APPENDIX H

Laboratory Results and Summary

PCB ANALYTICAL RESULTS SUMMARY

Sample ID	Date Sampled	Chain of Custody #	Lab Id Sample #	Matrix	Unit	PCB Aroclor 1016	PCB Aroclor 1221	PCB Aroclor 1232	PCB Aroclor 1242	PCB Aroclor 1248	PCB Aroclor 1254	PCB Aroclor 1260
Well 2	12/18/2001	109471	0112641-01A	Liquid	mg/L	ND	ND	ND	ND	ND	ND	ND
Well 8	12/18/2001	109471	0112641-02A	Liquid	mg/L	ND	ND	ND	ND	ND	ND	ND
Well 12	12/18/2001	109471	0112641-03A	Liquid	mg/L	ND	ND	ND	ND	ND	ND	ND
Well 15	12/18/2001	109471	0112641-04A	Liquid	mg/L	ND	ND	ND	ND	ND	ND	ND
Decon Pad	12/3/2001	111864	0112014-01A	Soil	mg/Kg	ND	ND	ND	ND	ND	ND	0.93
112701J001 EXCAVTOR	11/27/2001	107178	0111722-01A	Wipe	ug, Total	ND	ND	ND	ND	ND	ND	ND
112701J002 ROLLER	11/27/2001	107178	0111722-02A	Wipe	ug, Total	ND	ND	ND	ND	ND	ND	ND
112701J003 AUGER	11/27/2001	107178	0111722-03A	Wipe	ug, Total	ND	ND	ND	ND	ND	ND	ND
Soil-01	10/18/2001	no ID #	0110669-01A	Soil	mg/Kg	ND	ND	ND	ND	ND	ND	6.72
Soil-02	10/18/2001	no ID #	0110669-02A	Soil	mg/Kg	ND	ND	ND	ND	ND	ND	3.17
Soil-03	10/18/2001	no ID #	0110669-03A	Soil	mg/Kg	ND	ND	ND	ND	ND	ND	2.49
Soil-04	10/18/2001	no ID #	0110669-04A	Soil	mg/Kg	ND	ND	ND	ND	ND	ND	2.53

Soil Analyses

REIC

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website: www.reiclabs.com

December 20, 2001

Mr. Gary Cooper
WASTE-TRON INC
RR 1 BOX 33B
POCA, WV 25159
TEL: (304) 687-2261
FAX (304) 755-1099

RE: Order No.: 0112552

Dear Mr. Gary Cooper,

REI Consultants Inc. received 1 sample on 12/14/01 for the analyses presented in the following report.

If you have any questions regarding these results, please do not hesitate to call.

Sincerely,

Vice President

CC:

REI Consultants Inc.

Date: 20-Dec-01

Client: WASTE-TRON INC
Client Sample ID: #1
Project:
Site ID:

Lab Order: 0112552
Lab ID: 0112552-01A
Collection Date: 12/14/01
Matrix: SOIL

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
pH		**METHODS OF SOIL ANALYSIS,2ND ED**					
pH	5.5	SU	NA	NA		12/17/01	CB
LIME REQUIREMENT		**METHODS OF SOIL ANALYSIS,2ND ED**					
Lime Requirement	1.8	ton/acre	NA	NA		12/17/01	CB
PLANT NUTRIENTS-DOUBLEACID EXTRACT		**SW6010B**					
Calcium	1,360	lbs/acre	NA	2.0		12/18/01	CRL
Magnesium	271	lbs/acre	NA	2.0		12/18/01	CRL
Phosphorus	ND	lbs/acre	NA	5.0		12/18/01	CRL
Potassium	215	lbs/acre	NA	5.0		12/18/01	CRL

Abbreviations:
ND - Not Detected at the PQL or MDL
PQL - Practical Quantitation Limit
MDL - Minimum Detection Limit
NA - Not Applicable

Qualifiers:
J - Analyte detected below PQL
S - Spike Recovery outside accepted recovery limits
E - Value above quantitation range
* - Value exceeds Maximum Contaminant Level

REI Consultants Inc. **Date:** 20-Dec-01

CLIENT: WASTE-TRON INC **Lab Order:** 0112552

Project:

Site ID:

Data Review

Approved: _____ 12-20-01

Inorganic Department Manager **Date**

Abbreviations:	ND - Not Detected at the PQL or MDL	**Qualifiers:**	J - Analyte detected below PQL
	PQL - Practical Quantitation Limit		S - Spike Recovery outside accepted recovery limits
	MDL - Minimum Detection Limit		E - Value above quantitation range
	NA - Not Applicable		* - Value exceeds Maximum Contaminant Level

REIC

CHAIN OF CUSTODY RECORD NO. 10 34

REI Consultants, Inc.
225 Industrial Park Rd.
P.O. Box 286, Beaver, WV 25813
Phone: 304-255-2500 or 800-999-0105
FAX: 304-255-2572
e-mail: rlabs@reiclabs.com

CLIENT: WASTE-TRON
ADDRESS:
CITY/STATE/ZIP: POCA
BILL TO:
CITY/STATE/ZIP:
PURCHASE ORDER #
QUOTE #

CONTACT PERSON: GARY COOPER
TELEPHONE #:
FAX #:
E-MAIL ADDRESS:
SITE ID & STATE:
PROJECT ID:
SAMPLER:

SAMPLE LOG AND ANALYSIS REQUEST

TURNAROUND TIME REQUIREMENTS
REGULAR: ✓
*RUSH: ___ 5-Day ___ 3-Day ___ 2-Day ___ 1-Day
*Rush work needs prior Laboratory approval and will include surcharges

PRESERVATIVES
0 No Preservative
1 Hydrochloric Acid
2 Nitric Acid
3 Sulfuric Acid
4 Sodium Thiosulfate
5 Sodium Hydroxide
6 Zinc Acetate
7 EDTA

PRESERVATIVE CODES — NOTE PRESERVATIVES →

SAMPLE ID	NO. & TYPE OF CONTAINERS	SAMPLING DATE / TIME	MATRIX	SAMPLE COMP / GRAB	ANALYSIS REQUESTED & METHOD	COMMENTS
#1	2-9oz	12/14			X X	

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	12-14-01 1600 Date/Time	Temperature Upon Arrival 2.0 °C	☐ FAX Results	☐ Email Results	

Mr. Gary Cooper

Waste-Tron Inc.

Project ID: USACE Shaffer Site, Minden WV-#4807

-Level II Data Package-

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- *Case Narrative*
- *Analytical Results*
- *Chain-of-Custody*
- *Level II QC Summary*

REI Consultants, Inc. PO Box 286 Beaver WV 25813 1-800-999-0105 fax: 1-304-255-2572 e-mail: rlabs@reiclabs.com

Waste-Tron Inc.

REIC Work Order: 0110669

Case Narrative

REI Consultants, Inc. PO Box 286 Beaver WV 25813 1-800-999-0105 fax: 1-304-255-2572 e-mail: rlabs@reiclabs.com

REI Consultants Inc. **Date:** *28-Nov-01*

CLIENT: WASTE-TRON INC
Project: 4807
Lab Order: 0110669

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references: Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition.

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives with the following exceptions:

PCBs by SW846 8082: The analytical batch matrix spike and matrix spike duplicate failed REIC's QC acceptance criteria. However, the laboratory control matrix spike performed with this same analytical batch was within REIC's QC acceptance ranges and is included with the QC summary. No other problems or anomalies were noted.

REI Consultants Inc.

Date: *28-Nov-01*

CLIENT: WASTE-TRON INC
Project: 4807
Lab Order: 0110669
Date Received: 10/22/2001

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
0110669-01A	01		10/18/2001
0110669-02A	02		10/18/2001
0110669-03A	03		10/18/2001
0110669-04A	04		10/18/2001

REI Consultants Inc.

Lab Order: 0110669
Client: WASTE-TRON INC
Project: 4807

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Batch	Prep Date	DF	Analysis Date
0110669-01A	01	10/18/2001	Soil	PCBS by 8082	11323	10/23/2001	100	10/25/2001
				PERCENT MOISTURE	R39063		1	10/25/2001
0110669-02A	02			PCBS by 8082	11323	10/23/2001	100	10/25/2001
				PERCENT MOISTURE	R39063		1	10/25/2001
0110669-03A	03			PCBS by 8082	11323	10/23/2001	10	10/25/2001
				PERCENT MOISTURE	R39063		1	10/25/2001
0110669-04A	04			PCBS by 8082	11323	10/23/2001	10	10/25/2001
				PERCENT MOISTURE	R39063		1	10/25/2001

Waste-Tron Inc.

REIC Work Order: 0110669

Analytical Results

REI Consultants, Inc. PO Box 286 Beaver WV 25813 1-800-999-0105 fax: 1-304-255-2572 e-mail: rlabs@reiclabs.com

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Post Office Box 286 • Beaver, WV 25813 • 800.999.0105

304.255.2500 • 304.255.2572(fax)

website: www.reiclabs.com

October 26, 2001

Mr. Gary Cooper
WASTE-TRON INC
RR 1 BOX 33B
POCA, WV 25159
TEL: (304) 755-8448
FAX (304) 755-1099

RE: 4807 Order No.: 0110669

Dear Mr. Gary Cooper,

REI Consultants Inc. received 4 samples on 10/22/2001 for the analyses presented in the following report.

If you have any questions regarding these results, please do not hesitate to call.

Sincerely,

Vice President

CC:

REI Consultants Inc.

Date: 26-Oct-01

Client:	WASTE-TRON INC	**Lab Order:**	0110669
Client Sample ID:	01	**Lab ID:**	0110669-01A
Project:	4807	**Collection Date:**	10/18/01
Site ID:	SHAFFER SITE MINDEN WV	**Matrix:**	SOIL

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
PERCENT MOISTURE		**SM2540 B**					
Percent Moisture	37	wt%	NA	0.5		10/25/01	TM
PCBS		**SW8082**					
Aroclor 1016	ND	mg/Kg	NA	2.91		10/25/01	LE
Aroclor 1221	ND	mg/Kg	NA	2.91		10/25/01	LE
Aroclor 1232	ND	mg/Kg	NA	2.91		10/25/01	LE
Aroclor 1242	ND	mg/Kg	NA	2.91		10/25/01	LE
Aroclor 1248	ND	mg/Kg	NA	2.91		10/25/01	LE
Aroclor 1254	ND	mg/Kg	NA	2.91		10/25/01	LE
Aroclor 1260	6.72	mg/Kg	NA	2.91		10/25/01	LE
Surr: Tetrachloro-m-xylene	34	%REC	NA	30-130		10/25/01	LE

Abbreviations:
ND - Not Detected at the PQL or MDL
PQL - Practical Quantitation Limit
MDL - Minimum Detection Limit
NA - Not Applicable

Qualifiers:
J - Analyte detected below PQL
S - Spike Recovery outside accepted recovery limits
E - Value above quantitation range
* - Value exceeds Maximum Contaminant Level

REI Consultants Inc.

Date: 26-Oct-01

Client:	WASTE-TRON INC	**Lab Order:**	0110669
Client Sample ID:	02	**Lab ID:**	0110669-02A
Project:	4807	**Collection Date:**	10/18/01
Site ID:	SHAFFER SITE MINDEN WV	**Matrix:**	SOIL

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
PERCENT MOISTURE		**SM2540 B**					
Percent Moisture	36	wt%	NA	0.5		10/25/01	TM
PCBS		**SW8082**					
Aroclor 1016	ND	mg/Kg	NA	2.88		10/25/01	LE
Aroclor 1221	ND	mg/Kg	NA	2.88		10/25/01	LE
Aroclor 1232	ND	mg/Kg	NA	2.88		10/25/01	LE
Aroclor 1242	ND	mg/Kg	NA	2.88		10/25/01	LE
Aroclor 1248	ND	mg/Kg	NA	2.88		10/25/01	LE
Aroclor 1254	ND	mg/Kg	NA	2.88		10/25/01	LE
Aroclor 1260	3.17	mg/Kg	NA	2.88		10/25/01	LE
Surr: Tetrachloro-m-xylene	39	%REC	NA	30-130		10/25/01	LE

Abbreviations:
ND - Not Detected at the PQL or MDL
PQL - Practical Quantitation Limit
MDL - Minimum Detection Limit
NA - Not Applicable

Qualifiers:
J - Analyte detected below PQL
S - Spike Recovery outside accepted recovery limits
E - Value above quantitation range
* - Value exceeds Maximum Contaminant Level

REI Consultants Inc.

Date: 26-Oct-01

Client:	WASTE-TRON INC	**Lab Order:**	0110669
Client Sample ID:	03	**Lab ID:**	0110669-03A
Project:	4807	**Collection Date:**	10/18/01
Site ID:	SHAFFER SITE MINDEN WV	**Matrix:**	SOIL

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
PERCENT MOISTURE		**SM2540 B**					
Percent Moisture	27	wt%	NA	0.5		10/25/01	TM
PCBS		**SW8082**					
Aroclor 1016	ND	mg/Kg	NA	0.95		10/25/01	LE
Aroclor 1221	ND	mg/Kg	NA	0.95		10/25/01	LE
Aroclor 1232	ND	mg/Kg	NA	0.95		10/25/01	LE
Aroclor 1242	ND	mg/Kg	NA	0.95		10/25/01	LE
Aroclor 1248	ND	mg/Kg	NA	0.95		10/25/01	LE
Aroclor 1254	ND	mg/Kg	NA	0.95		10/25/01	LE
Aroclor 1260	2.49	mg/Kg	NA	0.95		10/25/01	LE
Surr: Tetrachloro-m-xylene	121	%REC	NA	30-130		10/25/01	LE

Abbreviations:
ND - Not Detected at the PQL or MDL
PQL - Practical Quantitation Limit
MDL - Minimum Detection Limit
NA - Not Applicable

Qualifiers:
J - Analyte detected below PQL
S - Spike Recovery outside accepted recovery limits
E - Value above quantitation range
* - Value exceeds Maximum Contaminant Level

REI Consultants Inc.

Date: 26-Oct-01

Client:	WASTE-TRON INC	**Lab Order:**	0110669
Client Sample ID:	04	**Lab ID:**	0110669-04A
Project:	4807	**Collection Date:**	10/18/01
Site ID:	SHAFFER SITE MINDEN WV	**Matrix:**	SOIL

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
PERCENT MOISTURE		**SM2540 B**					
Percent Moisture	33	wt%	NA	0.5		10/25/01	TM
PCBS		**SW8082**					
Aroclor 1016	ND	mg/Kg	NA	0.96		10/25/01	LE
Aroclor 1221	ND	mg/Kg	NA	0.96		10/25/01	LE
Aroclor 1232	ND	mg/Kg	NA	0.96		10/25/01	LE
Aroclor 1242	ND	mg/Kg	NA	0.96		10/25/01	LE
Aroclor 1248	ND	mg/Kg	NA	0.96		10/25/01	LE
Aroclor 1254	ND	mg/Kg	NA	0.96		10/25/01	LE
Aroclor 1260	2.53	mg/Kg	NA	0.96		10/25/01	LE
Surr: Tetrachloro-m-xylene	108	%REC	NA	30-130		10/25/01	LE

Abbreviations:
ND - Not Detected at the PQL or MDL
PQL - Practical Quantitation Limit
MDL - Minimum Detection Limit
NA - Not Applicable

Qualifiers:
J - Analyte detected below PQL
S - Spike Recovery outside accepted recovery limits
E - Value above quantitation range
* - Value exceeds Maximum Contaminant Level

REI Consultants Inc.

Date: 26-Oct-01

CLIENT: WASTE-TRON INC
Lab Order: 0110669
Project: 4807
Site ID: SHAFFER SITE MINDEN WV

Data Review

Approved: Joseph Robertson
Organic Department Manager
10-26-01
Date

Abbreviations:	ND - Not Detected at the PQL or MDL	**Qualifiers:**	J - Analyte detected below PQL
	PQL - Practical Quantitation Limit		S - Spike Recovery outside accepted recovery limits
	MDL - Minimum Detection Limit		E - Value above quantitation range
	NA - Not Applicable		* - Value exceeds Maximum Contaminant Level

Waste-Tron Inc.

REIC Work Order: 0110669

Chain-of-Custody

REI Consultants, Inc. PO Box 286 Beaver WV 25813 1-800-999-0105 fax: 1-304-255-2572 e-mail: rlabs@reiclabs.com

Wastetron, Inc.
Rt. 1, Box 33-B
Poca, WV 25159
(304) 755-8448
(304) 755-1099 Fax

CHAIN CUSTODY

Date Requested

CLIENT NAME: USACE
PROJECT NAME: Shaffer Site
PROJECT LOCATION: Minden WV
PROJECT CONTACT: Lisa Humphyrs
PROJECT PHONE: 687-2261
PROJECT MANAGER: Gary Cooper
PROJECT NUMBER: 4807

Item #	Sample #	Date	Time	Composite	Grab	SAMPLE DESCRIPTION (INCLUDE MATRIX)	Number of Containers	REQUESTED ANALYSIS: PCB's	COMMENTS
1	01 A/B	10-18-01	4:15 4:20		✓	2 902 JARS / PCB 50:1			ASAP ~~FF~~ Call in results or fax in results
2	02 A/B	10-18-01	4:25 3:27		✓	2 902 JARS / PCB 50:1			
3	03 A/B	10-18-01	4:30 4:33		✓	2 902 JARS / PCB 50:1			
4	04 A/B	10-18-01	4:37 4:40		✓	2 902 JARS / PCB 50:1			

Relinquished by:	Date	Time:	Relinquished by:	Date	Time:	Relinquished by:	Date	Time:
	10-18-01	7:16		10-22-01	2:05			
Received by:	Date	Time:	Received by:	Date	Time:	Received by:	Date	Time:
	10-22-01	9:45		10/22/01				

Waste-Tron Inc.

REIC Work Order: 0110669

Level II QC Summary

REI Consultants, Inc. PO Box 286 Beaver WV 25813 1-800-999-0105 fax: 1-304-255-2572 e-mail: rlabs@reiclabs.com

Polychlorinated Biphenyls: 8082

Level II QC Summary

REI Consultants Inc.

Date: *19-Nov-01*

CLIENT: WASTE-TRON INC
Work Order: 0110669
Project: 4807

QC SUMMARY REPORT
Method Blank

Sample ID: **MB-11323** Batch ID: **11323** Test Code: **SW8082** Units: **mg/Kg** Analysis Date **10/25/01** Prep Date: **10/23/01**
Client ID: Run ID: **SVGC1_011025B** SeqNo: **484676**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.100									
Aroclor 1221	ND	0.100									
Aroclor 1232	ND	0.100									
Aroclor 1242	ND	0.100									
Aroclor 1248	ND	0.100									
Aroclor 1254	ND	0.100									
Aroclor 1260	ND	0.100									
Surr: Tetrachloro-m-xylene	0.07	0	0.066	0	106	30	130	0			

Qualifiers: ND - Not Detected at the PQL
J - Analyte detected below PQL
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

REI Consultants Inc.

Date: *19-Nov-01*

CLIENT: WASTE-TRON INC
Work Order: 0110669
Project: 4807

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID: **LCS-11323** Batch ID: **11323** Test Code: **SW8082** Units: **mg/Kg** Analysis Date **10/25/01** Prep Date: **10/23/01**

Client ID: Run ID: **SVGC1_011025B** SeqNo: **484677**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.387	0.100	0.333	0	116	70	130	0			
Surr: Tetrachloro-m-xylene	0.0623	0	0.066	0	94.4	30	130	0			

Qualifiers:

ND - Not Detected at the PQL

J - Analyte detected below PQL

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

REI Consultants Inc.

Date: *19-Nov-01*

CLIENT: WASTE-TRON INC
Work Order: 0110669
Project: 4807

QC SUMMARY REPORT

Approved By: _____ **Date:** 11-26-01
QC Officer

Qualifiers:
ND - Not Detected at the PQL
J - Analyte detected below PQL
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

Borrow Area

REIC

RESEARCH ENVIRONMENTAL & INDUSTRIAL CONSULTANTS, INC.

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304.255.2500 • 304.255.2572(fax)

website: www.reiclabs.com

October 24, 2001

Ms. Ruth Porter
WASTE-TRON INC
RR 1 BOX 33B
POCA, WV 25159
TEL: (304) 755-1077
FAX (304) 755-1099

RE: 4807

Order No.: 0110508

Dear Ms. Ruth Porter,

REI Consultants Inc. received 1 sample on 10/17/01 for the analyses presented in the following report.

If you have any questions regarding these results, please do not hesitate to call.

Sincerely,

Vice President

CC:

Ms. Julie Glockner

Waste-Tron Inc.

Project ID: 4807 (Mindon Borrow Area)

REI Job ID: 0110508

-Level III Data Package-

Index

- *Case Narrative*
- *Analytical Results*
- *Chain-of-Custody*
- *Level III QC Summary*

REI Consultants, Inc. PO Box 286 Beaver WV 25813 1-800-999-0105 fax: 1-304-255-2572 e-mail: rlabs@reiclabs.com

Waste-Tron Inc.

REIC Work Order: 0110508

Case Narrative

REI Consultants, Inc. PO Box 286 Beaver WV 25813 1-800-999-0105 fax: 1-304-255-2572 e-mail: rlabs@reiclabs.com

REI Consultants Inc. **Date:** 15-Jan-02

CLIENT: WASTE-TRON INC
Project: 4807
Lab Order: 0110508

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references: Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition.

It should be noted that all solid matrix samples are reported on an "as received" basis, as noted within the Level III QC summary. All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives, with the following exceptions:

Volatiles by SW846 8260B

1. The surrogate (4-Bromofluorobenzene) %Recovery exceeded REIC's established %Recovery control limits for the Client designated sample matrix spike (ID: SAMPLE DIRT A MS). The %Recoveries for the other surrogates and spiking compounds for this sample, as well as the accompanying batch matrix spike duplicate and laboratory control matrix spike were within REIC's established control limits.

Semivolatiles by SW846 8270C

1. The %Recovery of Pyrene reported for the analytical batch matrix spike duplicate exceeded REIC's established %Recovery control limits. The %Recoveries reported for the batch matrix spike and laboratory control matrix spike, however, were within REIC's established control limits and are included within the Level III QC summary.

2. The internal standard (IS: 1,4-Dichlorobenzene-d4) area reported for the analytical batch matrix spike duplicate exceeded the IS range calculated for the batch.

No other problems or anomalies were noted during analyses. Please consult following pages for further information pertaining to analysis dates, dilution factors (DF), etc.

REI Consultants Inc.

Date: *15-Jan-02*

CLIENT: WASTE-TRON INC
Project: 4807
Lab Order: 0110508
Date Received: 10/17/2001

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
0110508-01A	SAMPLE DIRT A		10/17/2001

REI Consultants Inc.

Lab Order: 0110508
Client: WASTE-TRON INC
Project: 4807

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Batch	Prep Date	DF	Analysis Date
0110508-01A	SAMPLE DIRT A	10/17/2001	Soil	ANTIMONY, Total	11264	10/18/2001	20	10/18/2001
				ARSENIC, Total	11264	10/18/2001	20	10/23/2001
				ICP METALS, TOTAL IN SOIL	11263	10/18/2001	10	10/24/2001
				ICP METALS, TOTAL IN SOIL	11263	10/18/2001	1	10/24/2001
				ICP METALS, TOTAL IN SOIL	11263	10/18/2001	1	10/24/2001
				ICP METALS, TOTAL IN SOIL	11263	10/18/2001	1	10/23/2001
				MERCURY, Total	11252	10/18/2001	1	10/23/2001
				SELENIUM, Total	11264	10/18/2001	1	10/22/2001
				SEMIVOLATILE ORGANICS	11290	10/21/2001	1	10/24/2001
				THALLIUM, Total	11264	10/18/2001	10	10/18/2001
				VOLATILES by GC/MS	R38858		1	10/19/2001

Waste-Tron Inc.

REIC Work Order: 0110508

Analytical Results

REI Consultants, Inc. PO Box 286 Beaver WV 25813 1-800-999-0105 fax: 1-304-255-2572 e-mail: rlabs@reiclabs.com

REIC

RESEARCH ENVIRONMENTAL & INDUSTRIAL CONSULTANTS, INC.

Post Office Box 286 • Beaver, WV 25813 • 800.999.0105
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website: www.reiclabs.com

Improving the environment, one client at a time...

October 24, 2001

Ms. Ruth Porter
WASTE-TRON INC
RR 1 BOX 33B
POCA, WV 25159
TEL: (304) 755-1077
FAX (304) 755-1099

RE: 4807 Order No.: 0110508

Dear Ms. Ruth Porter,

REI Consultants Inc. received 1 sample on 10/17/01 for the analyses presented in the following report.

If you have any questions regarding these results, please do not hesitate to call.

Sincerely,

Vice President

CC:

REI Consultants Inc.

Date: 24-Oct-01

Client:	WASTE-TRON INC	Lab Order:	0110508
Client Sample ID:	SAMPLE DIRT A	Lab ID:	0110508-01A
Project:	4807	Collection Date:	10/17/01
Site ID:	MINDEN BORROW AREA	Matrix:	SOIL

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
TOTAL METALS by ICP		**SW6010B**					
Beryllium	0.86	mg/Kg	NA	0.50		10/24/01	CRL
Cadmium	0.65	mg/Kg	NA	0.50		10/23/01	CRL
Chromium	17.3	mg/Kg	NA	2.50		10/23/01	CRL
Copper	22.6	mg/Kg	NA	2.50		10/24/01	CRL
Lead	15.7	mg/Kg	NA	5.00		10/23/01	CRL
Nickel	13.6	mg/Kg	NA	2.50		10/24/01	CRL
Silver	ND	mg/Kg	NA	2.50		10/23/01	CRL
Zinc	47.3	mg/Kg	NA	12.5		10/24/01	CRL
ANTIMONY, Total		**SW7041**					
Antimony	ND	mg/Kg	NA	5.00		10/18/01	DL
ARSENIC, Total		**SW7060A**					
Arsenic	10.6	mg/Kg	NA	5.00		10/23/01	DL
MERCURY, Total		**SW7471A**					
Mercury	ND	mg/Kg	NA	0.10		10/23/01	GD
SELENIUM, Total		**SW7740**					
Selenium	ND	mg/Kg	NA	0.500		10/22/01	JD
THALLIUM, Total		**SW7841**					
Thallium	ND	mg/Kg	NA	2.50		10/18/01	JD

Abbreviations:
ND - Not Detected at the PQL or MDL
PQL - Practical Quantitation Limit
MDL - Minimum Detection Limit
NA - Not Applicable

Qualifiers:
J - Analyte detected below PQL
S - Spike Recovery outside accepted recovery limits
E - Value above quantitation range
* - Value exceeds Maximum Contaminant Level

REI Consultants Inc.

Date: 24-Oct-01

Client:	WASTE-TRON INC	Lab Order:	0110508
Client Sample ID:	SAMPLE DIRT A	Lab ID:	0110508-01A
Project:	4807	Collection Date:	10/17/01
Site ID:	MINDEN BORROW AREA	Matrix:	SOIL

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
VOLATILE ORGANIC COMPOUNDS		**SW8260B**					
Acrolein	ND	µg/Kg	NA	10		10/19/01	TC
Acrylonitrile	ND	µg/Kg	NA	10		10/19/01	TC
Benzene	ND	µg/Kg	NA	2		10/19/01	TC
Bromodichloromethane	ND	µg/Kg	NA	2		10/19/01	TC
Bromoform	ND	µg/Kg	NA	2		10/19/01	TC
Bromomethane	ND	µg/Kg	NA	2		10/19/01	TC
Carbon tetrachloride	ND	µg/Kg	NA	2		10/19/01	TC
Chlorobenzene	ND	µg/Kg	NA	2		10/19/01	TC
Chloroethane	ND	µg/Kg	NA	2		10/19/01	TC
Chloroform	ND	µg/Kg	NA	2		10/19/01	TC
Chloromethane	ND	µg/Kg	NA	2		10/19/01	TC
Dibromochloromethane	ND	µg/Kg	NA	2		10/19/01	TC
1,1-Dichloroethane	ND	µg/Kg	NA	2		10/19/01	TC
1,2-Dichloroethane	ND	µg/Kg	NA	2		10/19/01	TC
1,1-Dichloroethene	ND	µg/Kg	NA	2		10/19/01	TC
trans-1,2-Dichloroethene	ND	µg/Kg	NA	2		10/19/01	TC
1,2-Dichloropropane	ND	µg/Kg	NA	2		10/19/01	TC
cis-1,3-Dichloropropene	ND	µg/Kg	NA	2		10/19/01	TC
trans-1,3-Dichloropropene	ND	µg/Kg	NA	2		10/19/01	TC
Ethylbenzene	ND	µg/Kg	NA	2		10/19/01	TC
Methylene chloride	ND	µg/Kg	NA	2		10/19/01	TC
1,1,2,2-Tetrachloroethane	ND	µg/Kg	NA	2		10/19/01	TC
Tetrachloroethene	ND	µg/Kg	NA	2		10/19/01	TC
Toluene	ND	µg/Kg	NA	2		10/19/01	TC
1,1,1-Trichloroethane	ND	µg/Kg	NA	2		10/19/01	TC
1,1,2-Trichloroethane	ND	µg/Kg	NA	2		10/19/01	TC
Trichloroethene	ND	µg/Kg	NA	2		10/19/01	TC
Vinyl chloride	ND	µg/Kg	NA	2		10/19/01	TC
Surr: 1,2-Dichloroethane-d4	109	%REC	NA	72-120		10/19/01	TC
Surr: 4-Bromofluorobenzene	97	%REC	NA	74-121		10/19/01	TC
Surr: Dibromofluoromethane	108	%REC	NA	75-120		10/19/01	TC
Surr: Toluene-d8	105	%REC	NA	81-117		10/19/01	TC

Abbreviations:
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Qualifiers:
J - Analyte detected below PQL
S - Spike Recovery outside accepted recovery limits
E - Value above quantitation range
* - Value exceeds Maximum Contaminant Level

REI Consultants Inc.

Date: 24-Oct-01

Client:	WASTE-TRON INC	**Lab Order:**	0110508
Client Sample ID:	SAMPLE DIRT A	**Lab ID:**	0110508-01A
Project:	4807	**Collection Date:**	10/17/01
Site ID:	MINDEN BORROW AREA	**Matrix:**	SOIL

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
SEMIVOLATILE ORGANIC COMPOUNDS		**SW8270C**					
Acenaphthene	ND	mg/Kg	NA	0.200		10/24/01	WP
Acenaphthylene	ND	mg/Kg	NA	0.200		10/24/01	WP
Anthracene	ND	mg/Kg	NA	0.200		10/24/01	WP
Benzidine	ND	mg/Kg	NA	0.200		10/24/01	WP
Benzo(a)anthracene	ND	mg/Kg	NA	0.200		10/24/01	WP
Benzo(a)pyrene	ND	mg/Kg	NA	0.200		10/24/01	WP
Benzo(b)fluoranthene	ND	mg/Kg	NA	0.200		10/24/01	WP
Benzo(g,h,i)perylene	ND	mg/Kg	NA	0.200		10/24/01	WP
Benzo(k)fluoranthene	ND	mg/Kg	NA	0.200		10/24/01	WP
Bis(2-chloroethoxy)methane	ND	mg/Kg	NA	0.200		10/24/01	WP
Bis(2-chloroethyl)ether	ND	mg/Kg	NA	0.200		10/24/01	WP
Bis(2-chloroisopropyl)ether	ND	mg/Kg	NA	0.200		10/24/01	WP
Bis(2-ethylhexyl)phthalate	ND	mg/Kg	NA	0.200		10/24/01	WP
4-Bromophenyl phenyl ether	ND	mg/Kg	NA	0.200		10/24/01	WP
Butyl benzyl phthalate	ND	mg/Kg	NA	0.200		10/24/01	WP
4-Chloro-3-methylphenol	ND	mg/Kg	NA	0.400		10/24/01	WP
2-Chloronaphthalene	ND	mg/Kg	NA	0.200		10/24/01	WP
2-Chlorophenol	ND	mg/Kg	NA	0.400		10/24/01	WP
4-Chlorophenyl phenyl ether	ND	mg/Kg	NA	0.200		10/24/01	WP
Chrysene	ND	mg/Kg	NA	0.200		10/24/01	WP
Dibenzo(a,h)anthracene	ND	mg/Kg	NA	0.200		10/24/01	WP
Di-n-butyl phthalate	ND	mg/Kg	NA	0.200		10/24/01	WP
1,2-Dichlorobenzene	ND	mg/Kg	NA	0.200		10/24/01	WP
1,3-Dichlorobenzene	ND	mg/Kg	NA	0.200		10/24/01	WP
1,4-Dichlorobenzene	ND	mg/Kg	NA	0.200		10/24/01	WP
3,3'-Dichlorobenzidine	ND	mg/Kg	NA	0.200		10/24/01	WP
2,4-Dichlorophenol	ND	mg/Kg	NA	0.400		10/24/01	WP
Diethyl phthalate	ND	mg/Kg	NA	0.200		10/24/01	WP
Dimethyl phthalate	ND	mg/Kg	NA	0.200		10/24/01	WP
2,4-Dimethylphenol	ND	mg/Kg	NA	0.400		10/24/01	WP
4,6-Dinitro-2-methylphenol	ND	mg/Kg	NA	0.400		10/24/01	WP
2,4-Dinitrophenol	ND	mg/Kg	NA	0.400		10/24/01	WP
2,4-Dinitrotoluene	ND	mg/Kg	NA	0.200		10/24/01	WP
2,6-Dinitrotoluene	ND	mg/Kg	NA	0.200		10/24/01	WP
Di-n-octyl phthalate	ND	mg/Kg	NA	0.200		10/24/01	WP
1,2-Diphenylhydrazine	ND	mg/Kg	NA	0.200		10/24/01	WP
Fluoranthene	ND	mg/Kg	NA	0.200		10/24/01	WP
Fluorene	ND	mg/Kg	NA	0.200		10/24/01	WP
Hexachlorobenzene	ND	mg/Kg	NA	0.200		10/24/01	WP
Hexachlorobutadiene	ND	mg/Kg	NA	0.200		10/24/01	WP

Abbreviations: ND - Not Detected at the PQL or MDL
PQL - Practical Quantitation Limit
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NA - Not Applicable

Qualifiers: J - Analyte detected below PQL
S - Spike Recovery outside accepted recovery limits
E - Value above quantitation range
* - Value exceeds Maximum Contaminant Level

REI Consultants Inc.

Date: 24-Oct-01

Client:	WASTE-TRON INC	**Lab Order:**	0110508
Client Sample ID:	SAMPLE DIRT A	**Lab ID:**	0110508-01A
Project:	4807	**Collection Date:**	10/17/01
Site ID:	MINDEN BORROW AREA	**Matrix:**	SOIL

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
Hexachlorocyclopentadiene	ND	mg/Kg	NA	0.200		10/24/01	WP
Hexachloroethane	ND	mg/Kg	NA	0.200		10/24/01	WP
Indeno(1,2,3-cd)pyrene	ND	mg/Kg	NA	0.200		10/24/01	WP
Isophorone	ND	mg/Kg	NA	0.200		10/24/01	WP
Naphthalene	ND	mg/Kg	NA	0.200		10/24/01	WP
Nitrobenzene	ND	mg/Kg	NA	0.200		10/24/01	WP
2-Nitrophenol	ND	mg/Kg	NA	0.400		10/24/01	WP
4-Nitrophenol	ND	mg/Kg	NA	0.400		10/24/01	WP
N-Nitrosodimethylamine	ND	mg/Kg	NA	0.200		10/24/01	WP
N-Nitrosodiphenylamine	ND	mg/Kg	NA	0.200		10/24/01	WP
N-Nitrosodi-n-propylamine	ND	mg/Kg	NA	0.200		10/24/01	WP
Pentachlorophenol	ND	mg/Kg	NA	0.400		10/24/01	WP
Phenanthrene	ND	mg/Kg	NA	0.200		10/24/01	WP
Phenol	ND	mg/Kg	NA	0.400		10/24/01	WP
Pyrene	ND	mg/Kg	NA	0.200		10/24/01	WP
1,2,4-Trichlorobenzene	ND	mg/Kg	NA	0.200		10/24/01	WP
2,4,6-Trichlorophenol	ND	mg/Kg	NA	0.400		10/24/01	WP
Surr: 2,4,6-Tribromophenol	86	%REC	NA	19-122		10/24/01	WP
Surr: 2-Fluorobiphenyl	62	%REC	NA	30-115		10/24/01	WP
Surr: 2-Fluorophenol	57	%REC	NA	25-121		10/24/01	WP
Surr: 4-Terphenyl-d14	88	%REC	NA	18-137		10/24/01	WP
Surr: Nitrobenzene-d5	64	%REC	NA	23-120		10/24/01	WP
Surr: Phenol-d5	79	%REC	NA	24-113		10/24/01	WP

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* - Value exceeds Maximum Contaminant Level

REI Consultants Inc. Date: 24-Oct-01

CLIENT:	WASTE-TRON INC	**Lab Order:**	0110508
Project:	4807		
Site ID:	MINDEN BORROW AREA		

Data Review

Approved: _____ 10-24-01
Inorganic Department Manager — Date

Approved: _____ 10-24-01
Organic Department Manager — Date

Abbreviations:	ND - Not Detected at the PQL or MDL	**Qualifiers:**	J - Analyte detected below PQL
	PQL - Practical Quantitation Limit		S - Spike Recovery outside accepted recovery limits
	MDL - Minimum Detection Limit		E - Value above quantitation range
	NA - Not Applicable		* - Value exceeds Maximum Contaminant Level

Waste-Tron Inc.

REIC Work Order: 0110508

Chain-of-Custody

REI Consultants, Inc. PO Box 286 Beaver WV 25813 1-800-999-0105 fax: 1-304-255-2572 e-mail: rlabs@reiclabs.com

REI Consultants, Inc.
225 Industrial Park Rd.
P.O. Box 286, Beaver, WV 25813
Phone: 304-255-2500 or 800-999-0105
FAX: 304-255-2572
e-mail: rlabs@reiclabs.com

CHAIN OF CUSTODY RECORD NO. 10155

CLIENT: USACE
ADDRESS: 502 8th St
CITY/STATE/ZIP: Huntington WV 25701
BILL TO: Wastefax Inc
CITY/STATE/ZIP: Poca WV 25159
PURCHASE ORDER # 4807
QUOTE #

CONTACT PERSON: Gary Cooper
TELEPHONE #: 304 755-8448
FAX #: 304 755 1099
E-MAIL ADDRESS: Mmeadows@WASTEFAX.com
SITE ID & STATE: Minden Borrow Area
PROJECT ID: 4807
SAMPLER: Gary Cooper

SAMPLE LOG AND ANALYSIS REQUEST

TURNAROUND TIME REQUIREMENTS
REGULAR: ___
*RUSH: (5-Day) 3-Day 2-Day 1-Day
*Rush work needs prior Laboratory approval and will include surcharges

PRESERVATIVES (NOTE PRESERVATIVES →)
0 No Preservative
1 Hydrochloric Acid
2 Nitric Acid
3 Sulfuric Acid
4 Sodium Thiosulfate
5 Sodium Hydroxide
6 Zinc Acetate
7 EDTA

PRESERVATIVE CODES

SAMPLE ID	NO. & TYPE OF CONTAINERS	SAMPLING DATE / TIME	MATRIX	SAMPLE COMP / GRAB	ANALYSIS REQUESTED & METHOD: RCRA Volatiles	RCRA Pesticides & Herbicides	RCRA Semi-Volatiles	RCRA Metals	Borrow Oak Hill	COMMENTS
Sample Dirt A	4/902	10/17/01 11:00 Am	Soil	Grab						Level III QC

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Gary Cooper	10-17-01 12:08-01						
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	10/17/01 12:08	Temperature Upon Arrival °C		☒ FAX Results	☒ Email Results

Waste-Tron Inc.

REIC Work Order: 0110508

Level III QC Summary

- **Volatiles by 8260B**
- **Semivolatiles by 8270C**
- **Metals SW846 6000/7000 Series**

REI Consultants, Inc. PO Box 286 Beaver WV 25813 1-800-999-0105 fax: 1-304-255-2572 e-mail: rlabs@reiclabs.com

Volatiles by SW846 8260B

Level III QC Summary

CLIENT SAMPLE NO.

SAMPLE DIRT A

Lab Name: REI Consultants Inc. Contract: _____

Lab Code: REIC Case No.: WAS001 SAS No.: _____ SDG No.: 0110508

Matrix: (soil/water) Soil Lab Sample ID: 0110508-01A

Sample wt/vol: 5 (g/mL) G Lab File ID: OCT1913.D

Level: (low/med) LOW Date Received: 10/17/01

% Moisture: not dec. Date Analyzed: 10/19/01

GC Column: VOCOL 60m ID: 32 (mm) Dilution Factor: 1.00

Extract Volume: _____ (µl)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µg/Kg	Q
107-02-8	Acrolein	10	U
107-13-1	Acrylonitrile	10	U
71-43-2	Benzene	2	U
75-27-4	Bromodichloromethane	2	U
75-25-2	Bromoform	2	U
74-83-9	Bromomethane	2	U
56-23-5	Carbon tetrachloride	2	U
108-90-7	Chlorobenzene	2	U
75-00-3	Chloroethane	2	U
67-66-3	Chloroform	2	U
74-87-3	Chloromethane	2	U
124-48-1	Dibromochloromethane	2	U
75-34-3	1,1-Dichloroethane	2	U
107-06-2	1,2-Dichloroethane	2	U
75-35-4	1,1-Dichloroethene	2	U
156-60-5	trans-1,2-Dichloroethene	2	U
78-87-5	1,2-Dichloropropane	2	U
10061-01-5	cis-1,3-Dichloropropene	2	U
10061-02-6	trans-1,3-Dichloropropene	2	U
100-41-4	Ethylbenzene	2	U
75-09-2	Methylene chloride	2	U
79-34-5	1,1,2,2-Tetrachloroethane	2	U
127-18-4	Tetrachloroethene	2	U
108-88-3	Toluene	2	U
71-55-6	1,1,1-Trichloroethane	2	U
79-00-5	1,1,2-Trichloroethane	2	U
79-01-6	Trichloroethene	2	U
75-01-4	Vinyl chloride	2	U

CLIENT SAMPLE NO.

SAMPLE DIRT AMS

Lab Name: REI Consultants Inc. Contract: _____

Lab Code: REIC Case No.: WAS001 SAS No.: _____ SDG No.: 0110508

Matrix: (soil/water) Soil Lab Sample ID: 0110508-01A MS

Sample wt/vol: 5 (g/mL) G Lab File ID: OCT1918.D

Level: (low/med) LOW Date Received: 10/17/01

% Moisture: not dec. Date Analyzed: 10/20/01

GC Column: VOCOL 60m ID: 32 (mm) Dilution Factor: 1.00

Extract Volume: _____ (µl)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µg/Kg	Q
71-43-2	Benzene	8	
108-90-7	Chlorobenzene	7	
75-35-4	1,1-Dichloroethene	9	
108-88-3	Toluene	8	
79-01-6	Trichloroethene	7	

CLIENT SAMPLE NO.

SAMPLE DIRT AMSD

Lab Name: REI Consultants Inc. Contract: _____

Lab Code: REIC Case No.: WAS001 SAS No.: _____ SDG No.: 0110508

Matrix: (soil/water) Soil Lab Sample ID: 0110508-01A MSD

Sample wt/vol: 5 (g/mL) G Lab File ID: OCT1919.D

Level: (low/med) LOW Date Received: 10/17/01

% Moisture: not dec. Date Analyzed: 10/20/01

GC Column: VOCOL 60m ID: 32 (mm) Dilution Factor: 1.00

Extract Volume: _____ (µl)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µg/Kg	Q
71-43-2	Benzene	8	
108-90-7	Chlorobenzene	7	
75-35-4	1,1-Dichloroethene	9	
108-88-3	Toluene	8	
79-01-6	Trichloroethene	7	

CLIENT SAMPLE NO.

BLANK 5.00G

Lab Name: REI Consultants Inc. Contract: _____

Lab Code: REIC Case No.: WAS001 SAS No.: _____ SDG No.: 0110508

Matrix: (soil/water) Soil Lab Sample ID: BLANK 5.00G

Sample wt/vol: 5 (g/mL) G Lab File ID: OCT1909.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 10/19/01

GC Column: VOCOL 60m ID: 32 (mm) Dilution Factor: 1.00

Extract Volume: _____ (µl)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µg/Kg	Q
78-93-3	2-Butanone	10	U
591-78-6	2-Hexanone	10	U
108-10-1	4-Methyl-2-pentanone	10	U
67-64-1	Acetone	10	U
107-02-8	Acrolein	10	U
107-13-1	Acrylonitrile	10	U
75-15-0	Carbon disulfide	10	U
74-88-4	Iodomethane	10	U
108-05-4	Vinyl acetate	10	U
71-43-2	Benzene	2	U
108-86-1	Bromobenzene	2	U
74-97-5	Bromochloromethane	2	U
75-27-4	Bromodichloromethane	2	U
75-25-2	Bromoform	2	U
74-83-9	Bromomethane	2	U
104-51-8	n-Butylbenzene	2	U
135-98-8	sec-Butylbenzene	2	U
98-06-6	tert-Butylbenzene	2	U
56-23-5	Carbon tetrachloride	2	U
108-90-7	Chlorobenzene	2	U
75-00-3	Chloroethane	2	U
67-66-3	Chloroform	2	U
74-87-3	Chloromethane	2	U
95-49-8	2-Chlorotoluene	2	U
106-43-4	4-Chlorotoluene	2	U
124-48-1	Dibromochloromethane	2	U
96-12-8	1,2-Dibromo-3-chloropropane	2	U
106-93-4	1,2-Dibromoethane	2	U
74-95-3	Dibromomethane	2	U
95-50-1	1,2-Dichlorobenzene	2	U
541-73-1	1,3-Dichlorobenzene	2	U
106-46-7	1,4-Dichlorobenzene	2	U
75-71-8	Dichlorodifluoromethane	2	U
75-34-3	1,1-Dichloroethane	2	U
107-06-2	1,2-Dichloroethane	2	U

CLIENT SAMPLE NO.

BLANK 5.00G

Lab Name: REI Consultants Inc. Contract: _____

Lab Code: REIC Case No.: WAS001 SAS No.: _____ SDG No.: 0110508

Matrix: (soil/water) Soil Lab Sample ID: BLANK 5.00G

Sample wt/vol: 5 (g/mL) G Lab File ID: OCT1909.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 10/19/01

GC Column: VOCOL 60m ID: 32 (mm) Dilution Factor: 1.00

Extract Volume: _____ (µl)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µg/Kg	Q
75-35-4	1,1-Dichloroethene	2	U
156-59-2	cis-1,2-Dichloroethene	2	U
156-60-5	trans-1,2-Dichloroethene	2	U
78-87-5	1,2-Dichloropropane	2	U
142-28-9	1,3-Dichloropropane	2	U
590-20-7	2,2-Dichloropropane	2	U
563-58-6	1,1-Dichloropropene	2	U
10061-01-5	cis-1,3-Dichloropropene	2	U
10061-02-6	trans-1,3-Dichloropropene	2	U
100-41-4	Ethylbenzene	2	U
87-68-3	Hexachlorobutadiene	2	U
98-82-8	Isopropylbenzene	2	U
99-87-6	4-Isopropyltoluene	2	U
75-09-2	Methylene chloride	2	U
91-20-3	Naphthalene	2	U
103-65-1	n-Propylbenzene	2	U
100-42-5	Styrene	2	U
630-20-6	1,1,1,2-Tetrachloroethane	2	U
79-34-5	1,1,2,2-Tetrachloroethane	2	U
127-18-4	Tetrachloroethene	2	U
108-88-3	Toluene	2	U
87-61-6	1,2,3-Trichlorobenzene	2	U
120-82-1	1,2,4-Trichlorobenzene	2	U
71-55-6	1,1,1-Trichloroethane	2	U
79-00-5	1,1,2-Trichloroethane	2	U
79-01-6	Trichloroethene	2	U
75-69-4	Trichlorofluoromethane	2	U
96-18-4	1,2,3-Trichloropropane	2	U
95-63-6	1,2,4-Trimethylbenzene	2	U
108-67-8	1,3,5-Trimethylbenzene	2	U
75-01-4	Vinyl chloride	2	U
95-47-6	o-Xylene	2	U
1330-20-7	m,p-Xylene	4	U

CLIENT SAMPLE NO.

LCS

Lab Name: REI Consultants Inc. Contract: _____

Lab Code: REIC Case No.: WAS001 SAS No.: _____ SDG No.: 0110508

Matrix: (soil/water) Soil Lab Sample ID: LCS

Sample wt/vol: 5 (g/mL) G Lab File ID: OCT1920.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 10/20/01

GC Column: VOCOL 60m ID: 32 (mm) Dilution Factor: 1.00

Extract Volume: _____ (µl)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µg/Kg	Q
78-93-3	2-Butanone	49	
591-78-6	2-Hexanone	47	
108-10-1	4-Methyl-2-pentanone	55	
67-64-1	Acetone	49	
75-15-0	Carbon disulfide	56	
74-88-4	Iodomethane	82	
108-05-4	Vinyl acetate	54	
71-43-2	Benzene	10	
108-86-1	Bromobenzene	10	
74-97-5	Bromochloromethane	11	
75-27-4	Bromodichloromethane	10	
75-25-2	Bromoform	11	
74-83-9	Bromomethane	12	
104-51-8	n-Butylbenzene	9	
135-98-8	sec-Butylbenzene	9	
98-06-6	tert-Butylbenzene	11	
56-23-5	Carbon tetrachloride	11	
108-90-7	Chlorobenzene	9	
75-00-3	Chloroethane	11	
67-66-3	Chloroform	10	
74-87-3	Chloromethane	11	
95-49-8	2-Chlorotoluene	9	
106-43-4	4-Chlorotoluene	9	
124-48-1	Dibromochloromethane	10	
96-12-8	1,2-Dibromo-3-chloropropane	11	
106-93-4	1,2-Dibromoethane	10	
74-95-3	Dibromomethane	11	
95-50-1	1,2-Dichlorobenzene	8	
541-73-1	1,3-Dichlorobenzene	8	
106-46-7	1,4-Dichlorobenzene	8	
75-71-8	Dichlorodifluoromethane	9	
75-34-3	1,1-Dichloroethane	11	
107-06-2	1,2-Dichloroethane	11	
75-35-4	1,1-Dichloroethene	11	
156-59-2	cis-1,2-Dichloroethene	10	

CLIENT SAMPLE NO.

LCS

Lab Name: REI Consultants Inc. Contract: _____

Lab Code: REIC Case No.: WAS001 SAS No.: _____ SDG No.: 0110508

Matrix: (soil/water) Soil Lab Sample ID: LCS

Sample wt/vol: 5 (g/mL) G Lab File ID: OCT1920.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 10/20/01

GC Column: VOCOL 60m ID: 32 (mm) Dilution Factor: 1.00

Extract Volume: _____ (µl)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µg/Kg	Q
156-60-5	trans-1,2-Dichloroethene	10	
78-87-5	1,2-Dichloropropane	10	
142-28-9	1,3-Dichloropropane	11	
590-20-7	2,2-Dichloropropane	10	
563-58-6	1,1-Dichloropropene	8	
10061-01-5	cis-1,3-Dichloropropene	9	
10061-02-6	trans-1,3-Dichloropropene	9	
100-41-4	Ethylbenzene	9	
87-68-3	Hexachlorobutadiene	9	
98-82-8	Isopropylbenzene	9	
99-87-6	4-Isopropyltoluene	8	
75-09-2	Methylene chloride	11	
91-20-3	Naphthalene	8	
103-65-1	n-Propylbenzene	9	
100-42-5	Styrene	7	
630-20-6	1,1,1,2-Tetrachloroethane	10	
79-34-5	1,1,2,2-Tetrachloroethane	12	
127-18-4	Tetrachloroethene	9	
108-88-3	Toluene	10	
87-61-6	1,2,3-Trichlorobenzene	7	
120-82-1	1,2,4-Trichlorobenzene	9	
71-55-6	1,1,1-Trichloroethane	11	
79-00-5	1,1,2-Trichloroethane	10	
79-01-6	Trichloroethene	10	
75-69-4	Trichlorofluoromethane	11	
96-18-4	1,2,3-Trichloropropane	12	
95-63-6	1,2,4-Trimethylbenzene	8	
108-67-8	1,3,5-Trimethylbenzene	11	
75-01-4	Vinyl chloride	11	
95-47-6	o-Xylene	9	
1330-20-7	m,p-Xylene	18	

SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: REI Consultants Inc. Contract: _____

Lab Code: REIC Case No.: WAS001 SAS No _____ SDG No.: 0110508

	EPA SAMPLE NO.	1 (BFB) #	2 (DBF) #	3 (DCE) #	4 (TOL) #					TOT OUT
01	BLANK 5.00G	100	109	110	107					0
02	ZZZZZ	101	108	110	103					0
03	ZZZZZ	103	109	106	107					0
04	ZZZZZ	106	106	107	105					0
05	SAMPLE DIRT A	97	108	109	105					0
06	ZZZZZ	102	107	106	105					0
07	ZZZZZ	98	106	109	106					0
08	ZZZZZ	103	103	103	106					0
09	SAMPLE DIRT A	100	105	104	105					0
10	SAMPLE DIRT AM	123 *	105	110	107					1
11	SAMPLE DIRT AM	114	103	108	105					0
12	LCS	115	107	108	99					0

			QC Limits
1	(BFB)	= 4-Bromofluorobenzene	74-121
2	(DBF)	= Dibromofluoromethane	75-120
3	(DCE)	= 1,2-Dichloroethane-d4	72-120
4	(TOL)	= Toluene-d8	81-117

Column to be used to flag recovery values

* Values outside of contract required QC limits

SYSTEM MONITORING SPIKE/DUPLICATE RECOVERY

Lab Name: REI Consultants Inc. Contract: _____

Lab Code: REIC Case No.: WAS00 SAS No.: _____ SDG No.: 0110508

Matrix Spike - Sample No.: SAMPLE DIRT A Level: (low/med) LOW

COMPOUND	SPIKE ADDED (µg/Kg)	SAMPLE CONCENTRATION (µg/Kg)	MS CONCENTRATION (µg/Kg)	MS % REC #	QC. LIMITS REC.
Benzene	10	0	8	83	70-130
Chlorobenzene	10	0	7	73	70-130
1,1-Dichloroethene	10	0	9	93	70-130
Toluene	10	0	8	82	70-130
Trichloroethene	10	0	7	72	70-130

COMPOUND	SPIKE ADDED (µg/Kg)	MSD CONCENTRATION (µg/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Benzene	10	8.31	83	1	30	70-130
Chlorobenzene	10	7.24	72	0	30	70-130
1,1-Dichloroethene	10	8.92	89	4	30	70-130
Toluene	10	8.06	81	2	30	70-130
Trichloroethene	10	7.08	71	2	30	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS: _____

3A

SYSTEM MONITORING SPIKE RECOVERY

Lab Name: REI Consultants Inc. Contract: _____

Lab Code: REIC Case No.: WAS00 SAS No.: _____ SDG No.: 0110508

Sample ID LCS Level: (low/med) LOW

COMPOUND	SPIKE ADDED (µg/Kg)	SAMPLE CONCENTRATION (µg/Kg)	SPIKE CONCENTRATION (µg/Kg)	SPIKE % REC #	QC. LIMITS REC.
2-Butanone	50	0	48.8	98	70-130
2-Hexanone	50	0	47.4	95	70-130
4-Methyl-2-pentanone	50	0	54.5	109	70-130
Acetone	50	0	49.3	99	70-130
Carbon disulfide	50	0	55.8	112	70-130
Iodomethane	100	0	82.3	82	70-130
Vinyl acetate	50	0	54.1	108	70-130
Benzene	10	0	9.98	100	70-130
Bromobenzene	10	0	10.1	101	70-130
Bromochloromethane	10	0	10.9	109	70-130
Bromodichloromethane	10	0	10.4	104	70-130
Bromoform	10	0	11.4	114	70-130
Bromomethane	10	0	12.3	123	70-130
n-Butylbenzene	10	0	8.85	89	70-130
sec-Butylbenzene	10	0	9.43	94	70-130
tert-Butylbenzene	10	0	10.7	107	70-130
Carbon tetrachloride	10	0	11.1	111	70-130
Chlorobenzene	10	0	9.45	95	70-130
Chloroethane	10	0	11.2	112	70-130
Chloroform	10	0	10.5	105	70-130
Chloromethane	10	0	11.5	115	70-130
2-Chlorotoluene	10	0	9.12	91	70-130
4-Chlorotoluene	10	0	8.83	88	70-130
Dibromochloromethane	10	0	10.2	102	70-130
1,2-Dibromo-3-chloropropane	10	0	10.7	107	70-130
1,2-Dibromoethane	10	0	10.2	102	70-130
Dibromomethane	10	0	10.7	107	70-130
1,2-Dichlorobenzene	10	0	7.98	80	70-130
1,3-Dichlorobenzene	10	0	8.13	81	70-130
1,4-Dichlorobenzene	10	0	8.11	81	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 66 outside limits

COMMENTS: _____

3A

SYSTEM MONITORING SPIKE RECOVERY

Lab Name: REI Consultants Inc. Contract:

Lab Code: REIC Case No.: WAS00 SAS No.: SDG No.: 0110508

Sample ID LCS Level: (low/med) LOW

Dichlorodifluoromethane	10	0	8.62	86	70-130
1,1-Dichloroethane	10	0	10.8	108	70-130
1,2-Dichloroethane	10	0	10.8	108	70-130
1,1-Dichloroethene	10	0	10.8	108	70-130
cis-1,2-Dichloroethene	10	0	10.2	102	70-130
trans-1,2-Dichloroethene	10	0	10.3	103	70-130
1,2-Dichloropropane	10	0	10.4	104	70-130
1,3-Dichloropropane	10	0	10.5	105	70-130
2,2-Dichloropropane	10	0	10.1	101	70-130
1,1-Dichloropropene	10	0	7.94	79	70-130
cis-1,3-Dichloropropene	10	0	8.77	88	70-130
trans-1,3-Dichloropropene	10	0	8.93	89	70-130
Ethylbenzene	10	0	8.99	90	70-130
Hexachlorobutadiene	10	0	8.84	88	70-130
Isopropylbenzene	10	0	9.2	92	70-130
4-Isopropyltoluene	10	0	8.17	82	70-130
Methylene chloride	10	0	10.5	105	70-130
Naphthalene	10	0	7.83	78	70-130
n-Propylbenzene	10	0	9.14	91	70-130
Styrene	10	0	7.38	74	70-130
1,1,1,2-Tetrachloroethane	10	0	10.2	102	70-130
1,1,2,2-Tetrachloroethane	10	0	12.2	122	70-130
Tetrachloroethene	10	0	8.56	86	70-130
Toluene	10	0	9.52	95	70-130
1,2,3-Trichlorobenzene	10	0	7.31	73	70-130
1,2,4-Trichlorobenzene	10	0	8.54	85	70-130
1,1,1-Trichloroethane	10	0	11.1	111	70-130
1,1,2-Trichloroethane	10	0	10.4	104	70-130
Trichloroethene	10	0	9.7	97	70-130
Trichlorofluoromethane	10	0	10.7	107	70-130
1,2,3-Trichloropropane	10	0	12.2	122	70-130
1,2,4-Trimethylbenzene	10	0	8.41	84	70-130
1,3,5-Trimethylbenzene	10	0	10.6	106	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 66 outside limits

COMMENTS:

3A

SYSTEM MONITORING SPIKE RECOVERY

Lab Name: REI Consultants Inc. Contract:

Lab Code: REIC Case No.: WAS00 SAS No.: SDG No.: 0110508

Sample ID LCS Level: (low/med) LOW

Vinyl chloride	10	0	10.8	108	70-130
o-Xylene	10	0	8.77	88	70-130
m,p-Xylene	20	0	17.7	89	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 66 outside limits

COMMENTS:

4A

SAMPLE NO.

BLANK 5.00G

VOLATILE METHOD BLANK SUMMARY

Lab Name: REI Consultants Inc. Contract: _____

Lab Code: REIC Case No.: WAS001 SAS No. _____ SDG No.: 0110508

Lab File ID: OCT1909.D Lab Sample ID: BLANK 5.00G

Date Analyzed: 10/19/01 Time Analyzed: 18:52

GC Column: VOCOL ID: 32 (mm) Heated Purge: (Y/N) N

Instrument ID: VOGCMS3

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	ZZZZZ	0110278-03a	OCT1910.D	19:36
02	ZZZZZ	0110278-04a	OCT1911.D	20:20
03	ZZZZZ	0110536-01a	OCT1912.D	21:04
04	SAMPLE DIRT A	0110508-01A	OCT1913.D	21:48
05	ZZZZZ	0110304-01a	OCT1914.D	22:31
06	ZZZZZ	0110304-02a	OCT1915.D	23:15
07	ZZZZZ	0110304-03a	OCT1916.D	23:59
08	SAMPLE DIRT A	0110508-01A DUP	OCT1917.D	0:43
09	SAMPLE DIRT AMS	0110508-01A MS	OCT1918.D	1:27
10	AMPLE DIRT AMS	0110508-01A MSD	OCT1919.D	2:11
11	LCS	LCS	OCT1920.D	2:55

COMMENTS: _____

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: REI Consultants Inc. Contract: _____

Lab Code: REIC Case No.: WAS001 SAS No.: _____ SDG No.: 0110508

Lab File ID: .D BFB Injection Date: 10/19/01

Instrument ID: VOGCMS3 BFB Injection Time: 11:18

GC Column: VOCOL 6 ID: 32 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	21.6
75	30.0 - 66.0% of mass 95	51.6
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	71.0
175	4.0 - 9.0% of mass 174	5.2 (7.3)1
176	93.0 - 101.0% of mass 174	71.0 (100.0)1
177	5.0 - 9.0% of mass 176	4.8 (6.8)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	8260soil L1	8260soil L1	OCT1901.D	10/19/01	13:02
02	8260soil L2	8260soil L2	OCT1902.D	10/19/01	13:46
03	8260soil L3	8260soil L3	OCT1903.D	10/19/01	14:29
04	8260soil L4	8260soil L4	OCT1904.D	10/19/01	15:13
05	8260soil L5	8260soil L5	OCT1905.D	10/19/01	15:57

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: REI Consultants Inc. Contract: _____

Lab Code: REIC Case No.: WAS001 SAS No.: _____ SDG No.: 0110508

Lab File ID: OCT1906.D BFB Injection Date: 10/19/01

Instrument ID: VOGCMS3 BFB Injection Time: 16:41

GC Column: VOCOL 6 ID: 32 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	20.8
75	30.0 - 66.0% of mass 95	50.0
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	5.8
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	75.0
175	4.0 - 9.0% of mass 174	5.0 (6.7)1
176	93.0 - 101.0% of mass 174	75.0 (100.0)1
177	5.0 - 9.0% of mass 176	4.2 (5.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	8260soil cc	8260soil cc	OCT1907.D	10/19/01	17:25
02	BLANK 5.00G	BLANK 5.00G	OCT1909.D	10/19/01	18:52
03	ZZZZZ	0110278-03a	OCT1910.D	10/19/01	19:36
04	ZZZZZ	0110278-04a	OCT1911.D	10/19/01	20:20
05	ZZZZZ	0110536-01a	OCT1912.D	10/19/01	21:04
06	SAMPLE DIRT A	0110508-01A	OCT1913.D	10/19/01	21:48
07	ZZZZZ	0110304-01a	OCT1914.D	10/19/01	22:31
08	ZZZZZ	0110304-02a	OCT1915.D	10/19/01	23:15
09	ZZZZZ	0110304-03a	OCT1916.D	10/19/01	23:59
10	SAMPLE DIRT A	0110508-01A DUP	OCT1917.D	10/20/01	0:43
11	SAMPLE DIRT AMS	0110508-01A MS	OCT1918.D	10/20/01	1:27
12	SAMPLE DIRT AMSD	0110508-01A MSD	OCT1919.D	10/20/01	2:11
13	LCS	LCS	OCT1920.D	10/20/01	2:55

6B

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: REI Consultants Inc. Contract:

Lab Code: REIC Case No.: WAS001 SAS No.: SDG No.: 0110508

Instrument ID: VOGCMS3 Calibration 10/19/01 10/19/01

Heated Purge: (Y/N) N Calibration Times: 13:02 15:57

GC Column: VOCOL 60m ID: 32 (mm)

LAB FILE ID: 8260soil OCT1901.D 8260soil OCT1902.D
8260soil OCT1903.D 8260soil OCT1904.D 8260soil OCT1905.D

COMPOUND		8260soil L1	8260soil L2	8260soil L3	8260soil L4	8260soil L5	RRF	% RSD	
2-Butanone		0.189	0.144	0.172	0.164	0.156	0.165	10.4	
2-Hexanone		0.814	0.590	0.744	0.730	0.681	0.712	11.7	
4-Methyl-2-pentanone		0.463	0.343	0.443	0.490	0.396	0.427	13.7	
Acetone		0.097	0.073	0.083	0.080	0.069	0.080	13.5	
Acrolein		0.022	0.015	0.016	0.016	0.017	0.017	16.0	
Acrylonitrile		0.082	0.048	0.061	0.069	0.080	0.068	20.9	
Carbon disulfide		0.828	0.644	0.836	0.840	0.785	0.787	10.5	
Iodomethane		0.236	0.211	0.225	0.247	0.203	0.224	8.0	
Vinyl acetate		0.092	0.078	0.087	0.094	0.089	0.088	7.0	
Benzene		1.477	1.412	1.397	1.161	1.428	1.375	9.0	
Bromobenzene		2.744	2.323	2.516	1.975	2.535	2.419	12.0	
Bromodichloromethane		0.453	0.448	0.420	0.362	0.396	0.416	9.1	
Bromoform	*	0.559	0.553	0.546	0.458	0.533	0.530	7.7	*
Bromomethane		0.142	0.105	0.093	0.084	0.101	0.105	21.1	
n-Butylbenzene		3.609	3.678	3.862	3.226	3.972	3.669	7.8	
sec-Butylbenzene		4.565	4.644	4.822	3.990	4.981	4.600	8.2	
tert-Butylbenzene		3.127	3.178	3.275	2.708	3.402	3.138	8.4	
Carbon tetrachloride		0.429	0.425	0.401	0.348	0.360	0.393	9.4	
Chlorobenzene	*	1.185	1.006	1.125	0.978	1.172	1.093	8.8	*
Chloroethane		0.262	0.260	0.238	0.187	0.207	0.231	14.4	
Chloroform	*	0.645	0.598	0.556	0.471	0.538	0.562	11.6	*
Chloromethane	*	0.361	0.406	0.412	0.261	0.364	0.361	16.7	*
2-Chlorotoluene		3.679	3.483	3.254	2.961	3.451	3.365	8.1	
4-Chlorotoluene		3.512	3.597	3.378	2.975	3.661	3.425	8.0	
Dibromochloromethane		0.435	0.399	0.401	0.377	0.409	0.404	5.2	
1,2-Dibromo-3-chloropropane		0.172	0.139	0.139	0.117	0.148	0.143	13.8	
1,2-Dibromoethane		0.361	0.326	0.331	0.305	0.347	0.334	6.4	
Dibromomethane		0.172	0.164	0.150	0.128	0.145	0.152	11.3	
1,2-Dichlorobenzene		1.669	1.583	1.633	1.330	1.632	1.569	8.8	
1,3-Dichlorobenzene		1.904	1.795	1.848	1.499	1.828	1.775	9.0	
1,4-Dichlorobenzene		2.035	1.822	1.875	1.502	1.816	1.810	10.7	
Dichlorodifluoromethane		0.318	0.239	0.298	0.265	0.268	0.278	11.2	
1,1-Dichloroethane	*	0.644	0.629	0.581	0.497	0.565	0.583	10.0	*
1,2-Dichloroethane		0.429	0.399	0.366	0.309	0.355	0.372	12.2	
1,1-Dichloroethene	*	0.485	0.467	0.437	0.369	0.419	0.435	10.3	*
cis-1,2-Dichloroethene		0.617	0.594	0.560	0.461	0.507	0.548	11.6	

6B

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: REI Consultants Inc. Contract:

Lab Code: REIC Case No.: WAS001 SAS No.: SDG No.: 0110508

Instrument ID: VOGCMS3 Calibration 10/19/01 10/19/01

Heated Purge: (Y/N) N Calibration Times: 13:02 15:57

GC Column: VOCOL 60m ID: 32 (mm)

LAB FILE ID: 8260soil OCT1901.D 8260soil OCT1902.D
8260soil OCT1903.D 8260soil OCT1904.D 8260soil OCT1905.D

COMPOUND		8260soil L1	8260soil L2	8260soil L3	8260soil L4	8260soil L5	RRF	% RSD	
trans-1,2-Dichloroethene		0.532	0.499	0.467	0.389	0.443	0.466	11.7	
1,2-Dichloropropane	*	0.387	0.378	0.357	0.311	0.363	0.359	8.2	*
1,3-Dichloropropane		0.768	0.679	0.678	0.621	0.705	0.690	7.7	
2,2-Dichloropropane		0.605	0.561	0.519	0.363	0.432	0.496	19.8	
1,1-Dichloropropene		0.639	0.612	0.622	0.550	0.719	0.628	9.6	
cis-1,3-Dichloropropene		0.539	0.537	0.509	0.454	0.521	0.512	6.7	
trans-1,3-Dichloropropene		0.706	0.662	0.692	0.642	0.738	0.688	5.4	
Ethylbenzene	*	2.203	2.001	2.231	1.950	2.309	2.139	7.2	*
Hexachlorobutadiene		0.475	0.495	0.496	0.455	0.560	0.496	8.0	
Isopropylbenzene		1.752	1.682	1.828	1.651	1.887	1.760	5.6	
4-Isopropyltoluene		3.476	3.615	3.773	3.152	3.888	3.581	8.0	
Methylene chloride		0.484	0.453	0.416	0.350	0.396	0.420	12.3	
Naphthalene		1.864	1.625	1.556	1.337	1.760	1.629	12.4	
n-Propylbenzene		6.594	6.420	6.734	5.408	7.114	6.454	9.9	
Styrene		1.113	0.908	1.032	0.830	1.037	0.984	11.5	
1,1,1,2-Tetrachloroethane		0.447	0.407	0.420	0.382	0.426	0.416	5.8	
1,1,2,2-Tetrachloroethane	*	1.083	1.057	0.980	0.795	0.933	0.970	11.8	*
Tetrachloroethene		0.495	0.441	0.484	0.437	0.550	0.481	9.6	
Toluene	*	2.116	1.848	2.021	1.798	2.237	2.004	9.1	*
1,2,3-Trichlorobenzene		0.804	0.762	0.745	0.639	0.791	0.748	8.8	
1,2,4-Trichlorobenzene		0.915	0.865	0.832	0.710	0.883	0.841	9.4	
1,1,1-Trichloroethane		0.552	0.529	0.505	0.423	0.437	0.489	11.6	
1,1,2-Trichloroethane		0.376	0.343	0.343	0.315	0.346	0.345	6.3	
Trichloroethene		0.367	0.357	0.346	0.299	0.360	0.346	7.9	
Trichlorofluoromethane		0.367	0.311	0.342	0.297	0.422	0.348	14.3	
1,2,3-Trichloropropane		0.277	0.266	0.256	0.207	0.246	0.250	10.8	
1,2,4-Trimethylbenzene		3.558	3.565	3.761	3.072	3.939	3.579	9.1	
1,3,5-Trimethylbenzene		4.671	4.490	4.682	3.811	5.083	4.547	10.2	
Vinyl chloride	*	0.188	0.192	0.181	0.126	0.154	0.205	9.98	*
o-Xylene		1.679	1.552	1.688	1.511	1.737	1.633	5.9	
m,p-Xylene		1.703	1.553	1.682	1.534	1.792	1.653	6.5	

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

6B

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: REI Consultants Inc. Contract:

Lab Code: REIC Case No.: WAS001 SAS No.: SDG No.: 0110508

Instrument ID: VOGCMS3 Calibration 10/19/01 10/19/01

Heated Purge: (Y/N) N Calibration Times: 13:02 15:57

GC Column: VOCOL 60m ID: 32 (mm)

LAB FILE ID: 8260soil OCT1901.D 8260soil OCT1902.D
8260soil OCT1903.D 8260soil OCT1904.D 8260soil OCT1905.D

COMPOUND	8260soil L1	8260soil L2	8260soil L3	8260soil L4	8260soil L5	RRF	% RSD
1,2-Dichloroethane-d4	0.284	0.283	0.248	0.252	0.237	0.261	8.2
4-Bromofluorobenzene	1.154	1.137	1.150	1.141	1.142	1.145	0.6
Dibromofluoromethane	0.265	0.265	0.257	0.259	0.241	0.257	3.8
Toluene-d8	1.389	1.271	1.401	1.500	1.500	1.412	6.7

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

CONTINUING CALIBRATION CHECK

Lab Name: REI Consultants Inc. Contract:

Lab Code: REIC Case No.: WAS001 SAS No.: _____ SDG No.: 0110508

Instrument ID: VOGCMS3 Calibration Date: 10/19/01 Time: 17:25

Lab File ID: OCT1907.D Init. Calib. Dates: 10/19/01 10/19/01

Heated Purge: (Y/N) N Init. Calib. Times: 13:02 15:57

GC Column: VOCOL 60m ID: 32 (mm)

COMPOUND	CURVE TYPE	RRF	RRF50	MIN RRF	%D	MAX %D	THEO CONC	RCVR CONC	%D²	MAX %D²	
2-Butanone	AVRG	0.165	0.151		-8.4						
2-Hexanone	AVRG	0.712	0.782		9.9						
4-Methyl-2-pentanone	AVRG	0.427	0.441		3.4						
Acetone	AVRG	0.080	0.084		4.2						
Acrolein	AVRG	0.017	0.015		-10.9						
Acrylonitrile	AVRG	0.068	0.077		13.8						
Carbon disulfide	AVRG	0.787	0.832		5.8						
Iodomethane	AVRG	0.224	0.250		11.4						
Vinyl acetate	AVRG	0.088	0.099		12.7						
Benzene	AVRG	1.375	1.507		9.6						
Bromobenzene	AVRG	2.419	2.501		3.4						
Bromochloromethane	AVRG	0.271	0.291		7.4						
Bromodichloromethane	AVRG	0.416	0.471		13.2						
Bromoform	AVRG	0.553	0.649	0.100	17.4						*
Bromomethane	AVRG	0.105	0.104		-1.4						
n-Butylbenzene	AVRG	3.669	3.942		7.4						
sec-Butylbenzene	AVRG	4.600	4.557		-0.9						
tert-Butylbenzene	AVRG	3.138	3.244		3.4						
Carbon tetrachloride	AVRG	0.410	0.474		15.6						
Chlorobenzene	AVRG	1.093	1.097	0.300	0.4						*
Chloroethane	AVRG	0.231	0.261		13.1						
Chloroform	AVRG	0.562	0.613		9.2	20.0					*
Chloromethane	AVRG	0.361	0.385	0.100	6.6						*
2-Chlorotoluene	AVRG	3.365	3.619		7.5						
4-Chlorotoluene	AVRG	3.425	3.414		-0.3						
Dibromochloromethane	AVRG	0.404	0.451		11.5						
1,2-Dibromo-3-chloropropan	AVRG	0.143	0.145		1.6						
1,2-Dibromoethane	AVRG	0.334	0.369		10.6						
Dibromomethane	AVRG	0.152	0.165		8.9						
1,2-Dichlorobenzene	AVRG	1.569	1.397		-11.0						
1,3-Dichlorobenzene	AVRG	1.775	1.655		-6.8						

CONTINUING CALIBRATION CHECK

Lab Name: REI Consultants Inc. Contract:

Lab Code: REIC Case No.: WAS001 SAS No.: _____ SDG No.: 0110508

Instrument ID: VOGCMS3 Calibration Date: 10/19/01 Time: 17:25

Lab File ID: OCT1907.D Init. Calib. Dates: 10/19/01 10/19/01

Heated Purge: (Y/N) N Init. Calib. Times: 13:02 15:57

GC Column: VOCOL 60m ID: 32 (mm)

COMPOUND	CURVE TYPE	RRF	RRF50	MIN RRF	%D	MAX %D	THEO CONC	RCVR CONC	%D²	MAX %D²	
1,4-Dichlorobenzene	AVRG	1.810	1.646		-9.0						
Dichlorodifluoromethane	AVRG	0.278	0.316		13.7						
1,1-Dichloroethane	AVRG	0.583	0.639	0.100	9.5						*
1,2-Dichloroethane	AVRG	0.372	0.404		8.7						
1,1-Dichloroethene	AVRG	0.435	0.496		13.8	20.0					*
cis-1,2-Dichloroethene	AVRG	0.548	0.607		10.9						
trans-1,2-Dichloroethene	AVRG	0.466	0.523		12.4						
1,2-Dichloropropane	AVRG	0.359	0.400		11.3	20.0					*
1,3-Dichloropropane	AVRG	0.690	0.768		11.3						
2,2-Dichloropropane	AVRG	0.496	0.455		-8.3						
1,1-Dichloropropene	AVRG	0.628	0.680		8.2						
cis-1,3-Dichloropropene	AVRG	0.512	0.568		10.9						
trans-1,3-Dichloropropene	AVRG	0.688	0.773		12.4						
Ethylbenzene	AVRG	2.139	2.216		3.6	20.0					*
Hexachlorobutadiene	AVRG	0.496	0.422		-14.9						
Isopropylbenzene	AVRG	1.760	1.773		0.8						
4-Isopropyltoluene	AVRG	3.581	3.391		-5.3						
Methylene chloride	AVRG	0.420	0.463		10.3						
Naphthalene	AVRG	1.629	1.629		0.0						
n-Propylbenzene	AVRG	6.454	6.699		3.8						
Styrene	AVRG	0.984	0.936		-4.9						
1,1,1,2-Tetrachloroethane	AVRG	0.416	0.442		6.2						
1,1,2,2-Tetrachloroethane	AVRG	0.970	1.091	0.300	12.5						*
Tetrachloroethene	AVRG	0.481	0.545		13.2						
Toluene	AVRG	2.004	2.147		7.1	20.0					*
1,2,3-Trichlorobenzene	AVRG	0.748	0.659		-12.0						
1,2,4-Trichlorobenzene	AVRG	0.841	0.925		10.0						
1,1,1-Trichloroethane	AVRG	0.489	0.553		13.0						
1,1,2-Trichloroethane	AVRG	0.345	0.382		10.9						
Trichloroethene	AVRG	0.346	0.391		13.2						
Trichlorofluoromethane	AVRG	0.348	0.390		12.1						

CONTINUING CALIBRATION CHECK

Lab Name: REI Consultants Inc. Contract:

Lab Code: REIC Case No.: WAS001 SAS No.: _____ SDG No.: 0110508

Instrument ID: VOGCMS3 Calibration Date: 10/19/01 Time: 17:25

Lab File ID: OCT1907.D Init. Calib. Dates: 10/19/01 10/19/01

Heated Purge: (Y/N) N Init. Calib. Times: 13:02 15:57

GC Column: VOCOL 60m ID: 32 (mm)

COMPOUND	CURVE TYPE	RRF	RRF50	MIN RRF	%D	MAX %D	THEO CONC	RCVR CONC	%D²	MAX %D²	
1,2,3-Trichloropropane	AVRG	0.250	0.301		20.0						
1,2,4-Trimethylbenzene	AVRG	3.579	3.476		-2.9						
1,3,5-Trimethylbenzene	AVRG	4.547	5.019		10.4						
Vinyl chloride	AVRG	0.205	0.174		-15.2	20.0					*
o-Xylene	AVRG	1.633	1.613		-1.2						
m,p-Xylene	AVRG	1.653	1.720		4.0						
1,2-Dichloroethane-d4	AVRG	0.261	0.289		10.8						
4-Bromofluorobenzene	AVRG	1.145	1.278		11.6						
Dibromofluoromethane	AVRG	0.257	0.265		3.1						
Toluene-d8	AVRG	1.412	1.409		-0.3						

INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: REI Consultants Inc. SDG No.: 0110508

Lab Code: REIC

Lab File ID (Standard): OCT1907.D Date Analyzed: 10/19/01

Instrument ID: VOGCMS3 Time Analyzed: 17:25

GC Column: VOCOL 60 ID: 32 (mm)

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #		
12 HOUR STD	715505	12.530	432650	19.130	152349	26.270		
UPPER LIMIT	1431010	13.030	865300	19.630	304698	26.770		
LOWER LIMIT	357753	12.030	216325	18.630	76175	25.770		
SAMPLE NO.								
01 BFB								
02 BLANK 5.00G	717386	12.53	396252	19.12	164280	26.26		
03 ZZZZZ	691790	12.53	397088	19.12	163129	26.26		
04 ZZZZZ	569763	12.53	314788	19.12	125631	26.26		
05 ZZZZZ	757457	12.53	419427	19.11	163251	26.26		
06 SAMPLE DIRT A	706939	12.53	397389	19.12	167315	26.25		
07 ZZZZZ	714568	12.52	399949	19.11	155504	26.26		
ZZZZ	705137	12.52	391063	19.11	164102	26.26		
ZZZZZ	829138	12.52	457553	19.11	170449	26.25		
10 SAMPLE DIRT A	797853	12.52	442633	19.11	169486	26.25		
11 SAMPLE DIRT AMS	689541	12.52	378776	19.11	135603	26.26		
12 SAMPLE DIRT AMSD	818453	12.52	463630	19.11	162122	26.25		
13 LCS	678415	12.52	409214	19.11	140159	26.25		

IS1 = Fluorobenzene

IS2 = Chlorobenzene-d5

IS3 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

Semivolatiles by SW846 8270C

Level III QC Summary

Form 1

CLIENT SAMPLE NO.

SAMPLE DIRT A

Lab Name: REI Consultants Inc. Contract: _____

Lab Code: REIC Case No.: WAS001 SAS No.: _____ SDG No.: 0110508

Matrix: (soil/water) Soil Lab Sample ID: 0110508-01A

Sample wt/vol: 30 (g/mL) G Lab File ID: OCT2405.D

Level: (low/med) LOW Date Received: 10/17/01

% Moisture: not dec. Date Analyzed: 10/24/01

GC Column: J&W DB5.625 ID: 25 (mm) Dilution Factor: 1.00

Extract Volume: 1000 (µl)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q
83-32-9	Acenaphthene	0.2	U
208-96-8	Acenaphthylene	0.2	U
120-12-7	Anthracene	0.2	U
92-87-5	Benzidine	0.2	U
56-55-3	Benzo(a)anthracene	0.2	U
50-32-8	Benzo(a)pyrene	0.2	U
205-99-2	Benzo(b)fluoranthene	0.2	U
191-24-2	Benzo(g,h,i)perylene	0.2	U
207-08-9	Benzo(k)fluoranthene	0.2	U
111-91-1	Bis(2-chloroethoxy)methane	0.2	U
111-44-4	Bis(2-chloroethyl)ether	0.2	U
108-60-1	Bis(2-chloroisopropyl)ether	0.2	U
117-81-7	Bis(2-ethylhexyl)phthalate	0.2	U
101-55-3	4-Bromophenyl phenyl ether	0.2	U
85-68-7	Butyl benzyl phthalate	0.2	U
59-50-7	4-Chloro-3-methylphenol	0.4	U
91-58-7	2-Chloronaphthalene	0.2	U
95-57-8	2-Chlorophenol	0.4	U
7005-72-3	4-Chlorophenyl phenyl ether	0.2	U
218-01-9	Chrysene	0.2	U
53-70-3	Dibenzo(a,h)anthracene	0.2	U
84-74-2	Di-n-butyl phthalate	0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	U
91-94-1	3,3´-Dichlorobenzidine	0.2	U
120-83-2	2,4-Dichlorophenol	0.4	U
84-66-2	Diethyl phthalate	0.2	U
131-11-3	Dimethyl phthalate	0.2	U
105-67-9	2,4-Dimethylphenol	0.4	U
534-52-1	4,6-Dinitro-2-methylphenol	0.4	U
51-28-5	2,4-Dinitrophenol	0.4	U
121-14-2	2,4-Dinitrotoluene	0.2	U
606-20-2	2,6-Dinitrotoluene	0.2	U
117-84-0	Di-n-octyl phthalate	0.2	U

CLIENT SAMPLE NO.

SAMPLE DIRT A

Lab Name: REI Consultants Inc. Contract: _____

Lab Code: REIC Case No.: WAS001 SAS No.: _____ SDG No.: 0110508

Matrix: (soil/water) Soil Lab Sample ID: 0110508-01A

Sample wt/vol: 30 (g/mL) G Lab File ID: OCT2405.D

Level: (low/med) LOW Date Received: 10/17/01

% Moisture: not dec. Date Analyzed: 10/24/01

GC Column: J&W DB5.625 ID: 25 (mm) Dilution Factor: 1.00

Extract Volume: 1000 (µl)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q
122-66-7	1,2-Diphenylhydrazine	0.2	U
206-44-0	Fluoranthene	0.2	U
86-73-7	Fluorene	0.2	U
118-74-1	Hexachlorobenzene	0.2	U
87-68-3	Hexachlorobutadiene	0.2	U
77-47-4	Hexachlorocyclopentadiene	0.2	U
67-72-1	Hexachloroethane	0.2	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.2	U
78-59-1	Isophorone	0.2	U
91-20-3	Naphthalene	0.2	U
98-95-3	Nitrobenzene	0.2	U
88-75-5	2-Nitrophenol	0.4	U
100-02-7	4-Nitrophenol	0.4	U
62-75-9	N-Nitrosodimethylamine	0.2	U
86-30-6	N-Nitrosodiphenylamine	0.2	U
621-64-7	N-Nitrosodi-n-propylamine	0.2	U
87-86-5	Pentachlorophenol	0.4	U
85-01-8	Phenanthrene	0.2	U
108-95-2	Phenol	0.4	U
129-00-0	Pyrene	0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.2	U
88-06-2	2,4,6-Trichlorophenol	0.4	U

CLIENT SAMPLE NO.

LCS

Lab Name: REI Consultants Inc. Contract: _____

Lab Code: REIC Case No.: WAS001 SAS No.: _____ SDG No.: 0110508

Matrix: (soil/water) Solid Lab Sample ID: LCS-11290

Sample wt/vol: 30 (g/mL) G Lab File ID: OCT2404.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 10/24/01

GC Column: J&W DB5.625 ID: 25 (mm) Dilution Factor: 1.00

Extract Volume: 1000 (µl)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q
83-32-9	Acenaphthene	1.44	
59-50-7	4-Chloro-3-methylphenol	3.24	
95-57-8	2-Chlorophenol	2.89	
106-46-7	1,4-Dichlorobenzene	1.30	
121-14-2	2,4-Dinitrotoluene	1.50	
100-02-7	4-Nitrophenol	2.95	
621-64-7	N-Nitrosodi-n-propylamine	1.39	
87-86-5	Pentachlorophenol	3.02	
108-95-2	Phenol	2.81	
129-00-0	Pyrene	1.82	
120-82-1	1,2,4-Trichlorobenzene	1.46	

CLIENT SAMPLE NO.

MB-11290

Lab Name: REI Consultants Inc. Contract: _____

ab Code: REIC Case No.: WAS001 SAS No.: _____ SDG No.: 0110508

Matrix: (soil/water) Solid Lab Sample ID: MB-11290

Sample wt/vol: 30 (g/mL) G Lab File ID: OCT2403.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 10/24/01

GC Column: J&W DB5.625 ID: 25 (mm) Dilution Factor: 1.00

Extract Volume: 1000 (µl)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q
83-32-9	Acenaphthene	0.3	U
208-96-8	Acenaphthylene	0.3	U
62-53-3	Aniline	0.3	U
120-12-7	Anthracene	0.3	U
92-87-5	Benzidine	0.3	U
56-55-3	Benzo(a)anthracene	0.3	U
50-32-8	Benzo(a)pyrene	0.3	U
205-99-2	Benzo(b)fluoranthene	0.3	U
191-24-2	Benzo(g,h,i)perylene	0.3	U
207-08-9	Benzo(k)fluoranthene	0.3	U
65-85-0	Benzoic acid	0.3	U
100-51-6	Benzyl alcohol	0.3	U
111-91-1	Bis(2-chloroethoxy)methane	0.3	U
111-44-4	Bis(2-chloroethyl)ether	0.3	U
108-60-1	Bis(2-chloroisopropyl)ether	0.3	U
117-81-7	Bis(2-ethylhexyl)phthalate	0.3	U
101-55-3	4-Bromophenyl phenyl ether	0.3	U
85-68-7	Butyl benzyl phthalate	0.3	U
106-47-8	4-Chloroaniline	0.3	U
59-50-7	4-Chloro-3-methylphenol	0.3	U
91-58-7	2-Chloronaphthalene	0.3	U
95-57-8	2-Chlorophenol	0.3	U
7005-72-3	4-Chlorophenyl phenyl ether	0.3	U
218-01-9	Chrysene	0.3	U
95-48-7	o-Cresol	0.3	U
53-70-3	Dibenzo(a,h)anthracene	0.3	U
132-64-9	Dibenzofuran	0.3	U
84-74-2	Di-n-butyl phthalate	0.3	U
95-50-1	1,2-Dichlorobenzene	0.3	U
541-73-1	1,3-Dichlorobenzene	0.3	U
106-46-7	1,4-Dichlorobenzene	0.3	U
91-94-1	3,3´-Dichlorobenzidine	0.3	U
120-83-2	2,4-Dichlorophenol	0.3	U
84-66-2	Diethyl phthalate	0.3	U
131-11-3	Dimethyl phthalate	0.3	U

CLIENT SAMPLE NO.

MB-11290

Lab Name: REI Consultants Inc. Contract: _____

Lab Code: REIC Case No.: WAS001 SAS No.: _____ SDG No.: 0110508

Matrix: (soil/water) Solid Lab Sample ID: MB-11290

Sample wt/vol: 30 (g/mL) G Lab File ID: OCT2403.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 10/24/01

GC Column: J&W DB5.625 ID: 25 (mm) Dilution Factor: 1.00

Extract Volume: 1000 (µl)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q
105-67-9	2,4-Dimethylphenol	0.3	U
534-52-1	4,6-Dinitro-2-methylphenol	0.3	U
51-28-5	2,4-Dinitrophenol	0.3	U
121-14-2	2,4-Dinitrotoluene	0.3	U
606-20-2	2,6-Dinitrotoluene	0.3	U
117-84-0	Di-n-octyl phthalate	0.3	U
122-66-7	1,2-Diphenylhydrazine	0.3	U
206-44-0	Fluoranthene	0.3	U
86-73-7	Fluorene	0.3	U
118-74-1	Hexachlorobenzene	0.3	U
87-68-3	Hexachlorobutadiene	0.3	U
77-47-4	Hexachlorocyclopentadiene	0.3	U
67-72-1	Hexachloroethane	0.3	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.3	U
78-59-1	Isophorone	0.3	U
91-57-6	2-Methylnaphthalene	0.3	U
91-20-3	Naphthalene	0.3	U
88-74-4	2-Nitroaniline	0.3	U
99-09-2	3-Nitroaniline	0.3	U
100-01-6	4-Nitroaniline	0.3	U
98-95-3	Nitrobenzene	0.3	U
88-75-5	2-Nitrophenol	0.3	U
100-02-7	4-Nitrophenol	0.3	U
62-75-9	N-Nitrosodimethylamine	0.3	U
86-30-6	N-Nitrosodiphenylamine	0.3	U
621-64-7	N-Nitrosodi-n-propylamine	0.3	U
87-86-5	Pentachlorophenol	0.3	U
85-01-8	Phenanthrene	0.3	U
108-95-2	Phenol	0.3	U
129-00-0	Pyrene	0.3	U
110-86-1	Pyridine	0.3	U
58-90-2	2,3,4,6-Tetrachlorophenol	0.3	U
120-82-1	1,2,4-Trichlorobenzene	0.3	U
95-95-4	2,4,5-Trichlorophenol	0.3	U
88-06-2	2,4,6-Trichlorophenol	0.3	U

CLIENT SAMPLE NO.

MS

Lab Name: REI Consultants Inc. Contract: _____

Lab Code: REIC Case No.: WAS001 SAS No.: _____ SDG No.: 0110508

Matrix: (soil/water) Solid Lab Sample ID: 0110351-02A MS

Sample wt/vol: 30.4 (g/mL) G Lab File ID: OCT2409.D

Level: (low/med) LOW Date Received: 10/11/01

% Moisture: not dec. Date Analyzed: 10/24/01

GC Column: J&W DB5.625 ID: 25 (mm) Dilution Factor: 1.00

Extract Volume: 1000 (µl)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q
83-32-9	Acenaphthene	1.36	
59-50-7	4-Chloro-3-methylphenol	3.16	
95-57-8	2-Chlorophenol	2.75	
106-46-7	1,4-Dichlorobenzene	1.24	
121-14-2	2,4-Dinitrotoluene	1.47	
100-02-7	4-Nitrophenol	3.05	
621-64-7	N-Nitrosodi-n-propylamine	1.38	
87-86-5	Pentachlorophenol	3.31	
108-95-2	Phenol	2.74	
129-00-0	Pyrene	1.75	
120-82-1	1,2,4-Trichlorobenzene	1.43	

CLIENT SAMPLE NO.

MSD

Lab Name: REI Consultants Inc. Contract: _____

Lab Code: REIC Case No.: WAS001 SAS No.: _____ SDG No.: 0110508

Matrix: (soil/water) Solid Lab Sample ID: 0110351-02A MSD

Sample wt/vol: 30.1 (g/mL) G Lab File ID: OCT2410.D

Level: (low/med) LOW Date Received: 10/11/01

% Moisture: not dec. Date Analyzed: 10/24/01

GC Column: J&W DB5.625 ID: 25 (mm) Dilution Factor: 1.00

Extract Volume: 1000 (µl)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q
83-32-9	Acenaphthene	1.39	
59-50-7	4-Chloro-3-methylphenol	3.31	
95-57-8	2-Chlorophenol	2.81	
106-46-7	1,4-Dichlorobenzene	1.22	
121-14-2	2,4-Dinitrotoluene	1.51	
100-02-7	4-Nitrophenol	3.11	
621-64-7	N-Nitrosodi-n-propylamine	1.40	
87-86-5	Pentachlorophenol	3.37	
108-95-2	Phenol	2.78	
129-00-0	Pyrene	1.93	
120-82-1	1,2,4-Trichlorobenzene	1.46	

SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: REI Consultants Inc. Contract: _____

Lab Code: REIC Case No.: WAS001 SAS No _____ SDG No.: 0110508

	EPA SAMPLE NO.	1 (2FP) #	2 (PHL) #	3 (TBP) #	4 (NBZ) #	5 (FBP) #	6 (4TP) #			TOT OUT
01	MB-11290	70.1	94.3	103	80.6	79.4	101			0
02	LCS	72.4	94.1	104	82.2	83.1	102			0
03	SAMPLE DIRT A	56.6	79	86.1	63.6	61.6	88.4			0
04	ZZZZZ	61.1	81.7	90.1	71.7	71.5	94.3			0
05	ZZZZZ	60	80.7	94.2	69.4	67.8	95.3			0
06	0110351-02A DUP	68.5	91.4	105	80.8	74.8	100			0
07	MS	69.6	91.5	103	82.3	81.1	99.2			0
08	MSD	67.3	90	103	77.4	74.1	101			0
09	ZZZZZ	58	81	92.3	65.5	67.8	91.2			0
10	ZZZZZ	56.7	83.9	95.5	65.3	67.7	95.7			0
11	ZZZZZ	58.9	79.5	88.9	68.4	66.8	86.7			0
12	ZZZZZ	60.1	81.8	91.9	65.8	66.2	92.6			0
13	ZZZZZ	51.1	71.7	85.3	53.6	58.3	88.3			0

			QC Limits
1	(2FP)	= 2-Fluorophenol	25-121
2	(PHL)	= Phenol-d5	24-113
3	(TBP)	= 2,4,6-Tribromophenol	19-122
4	(NBZ)	= Nitrobenzene-d5	23-120
5	(FBP)	= 2-Fluorobiphenyl	30-115
6	(4TP)	= 4-Terphenyl-d14	18-137

Column to be used to flag recovery values

* Values outside of contract required QC limits

SYSTEM MONITORING SPIKE/DUPLICATE RECOVERY

Lab Name: REI Consultants Inc. Contract: _____

Lab Code: REIC Case No.: WAS00 SAS No.: _____ SDG No.: 0110508

Matrix Spike - Sample No.: 45-3 10-12 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC #	QC. LIMITS REC.
Acenaphthene	1.65	0	1.36	83	47-145
4-Chloro-3-methylphenol	3.29	0	3.16	96	22-147
2-Chlorophenol	3.29	0	2.75	84	23-134
1,4-Dichlorobenzene	1.65	0	1.24	76	20-124
2,4-Dinitrotoluene	1.65	0	1.47	89	39-139
4-Nitrophenol	3.29	0	3.05	93	0-132
N-Nitrosodi-n-propylamine	1.65	0	1.38	84	0-230
Pentachlorophenol	3.29	0	3.31	101	14-176
Phenol	3.29	0	2.74	84	5-112
Pyrene	1.65	0	1.75	106	52-115
1,2,4-Trichlorobenzene	1.65	0	1.43	87	44-142

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	1.66	1.39	84	1	30	47-145
4-Chloro-3-methylphenol	3.32	3.31	100	4	30	22-147
2-Chlorophenol	3.32	2.81	85	1	30	23-134
1,4-Dichlorobenzene	1.66	1.22	73	3	30	20-124
2,4-Dinitrotoluene	1.66	1.51	91	2	30	39-139
4-Nitrophenol	3.32	3.11	94	1	30	0-132
N-Nitrosodi-n-propylamine	1.66	1.4	84	1	30	0-230
Pentachlorophenol	3.32	3.37	102	1	30	14-176
Phenol	3.32	2.78	84	0	30	5-112
Pyrene	1.66	1.93	116*	9	30	52-115
1,2,4-Trichlorobenzene	1.66	1.46	88	1	30	44-142

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 11 outside limits

Spike Recovery: 1 out of 22 outside limits

COMMENTS: _____

3A

SYSTEM MONITORING SPIKE RECOVERY

Lab Name: REI Consultants Inc. Contract:

Lab Code: REIC Case No.: WAS00 SAS No.: SDG No.: 0110508

Sample ID LCS Level: (low/med) LOW

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	SPIKE CONCENTRATION (mg/Kg)	SPIKE % REC #	QC. LIMITS REC.
Acenaphthene	1.67	0	1.44	86	47-145
4-Chloro-3-methylphenol	3.33	0	3.24	97	22-147
2-Chlorophenol	3.33	0	2.89	87	23-134
1,4-Dichlorobenzene	1.67	0	1.3	78	20-124
2,4-Dinitrotoluene	1.67	0	1.5	90	39-139
4-Nitrophenol	3.33	0	2.95	89	0-132
N-Nitrosodi-n-propylamine	1.67	0	1.39	83	0-230
Pentachlorophenol	3.33	0	3.02	91	14-176
Phenol	3.33	0	2.81	84	5-112
Pyrene	1.67	0	1.82	109	52-115
1,2,4-Trichlorobenzene	1.67	0	1.46	88	44-142

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 11 outside limits

COMMENTS:

EPA SAMPLE NO.

MB-11290

Lab Name: REI Consultants Inc. Contract: REI Consult

Lab Code: REIC Case No.: WAS001 SAS No. _____ SDG No.: 0110508

Lab File ID: OCT2403.D Lab Sample ID: MB-11290

Instrument ID: SVGCMS1 Date Extracted: 10/21/01

Matrix: (soil/water) SOIL Date Analyzed: 10/24/01

Level: (low/med) Time Analyzed: 11:12

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
1	LCS	LCS-11290	OCT2404.D	10/24/01
2	SAMPLE DIRT A	0110508-01A	OCT2405.D	10/24/01
3	ZZZZZ	0110351-01a	OCT2406.D	10/24/01
4	ZZZZZ	0110351-02a	OCT2407.D	10/24/01
5	110351-02A DU	0110351-02A DUP	OCT2408.D	10/24/01
6	MS	0110351-02A MS	OCT2409.D	10/24/01
7	MSD	0110351-02A MSD	OCT2410.D	10/24/01
8	ZZZZZ	0110351-03a	OCT2411.D	10/24/01
9	ZZZZZ	0110351-04a	OCT2412.D	10/24/01
10	ZZZZZ	0110351-05a	OCT2413.D	10/24/01
11	ZZZZZ	0110351-06a	OCT2414.D	10/24/01
12	ZZZZZ	0110351-07a	OCT2415.D	10/24/01

COMMENTS: _____

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: REI Consultants Inc. Contract: _____

Lab Code: REIC Case No.: WAS001 SAS No.: _____ SDG No.: 0110508

Lab File ID: OCT0101.D DFTPP Injection Date: 10/1/01

Instrument ID: SVGCMS1 DFTPP Injection Time: 14:09

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	34.8
68	Less than 2.0% of mass 69	0.2 (0.5)1
69	Mass 69 relative abundance	47.4
70	Less than 2.0% of mass 69	0.3 (0.5)1
127	25.0 - 75.0% of mass 198	49.1
197	Less than 1.0% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 - 9.0% of mass 198	7.4
275	10.0 - 30.0% of mass 198	24.9
365	Greater than 0.75% of mass 198	2.6
441	Present, but less than mass 443	10.3
442	40.0 - 110.0% of mass 198	69.0
443	15.0 - 24.0% of mass 442	13.5 (19.5)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	8270 L-1	8270 L-1	OCT0102.D	10/01/01	14:38
02	8270 L-2	8270 L-2	OCT0103.D	10/01/01	15:08
03	8270 L-3	8270 L-3	OCT0104.D	10/01/01	15:38
04	8270 L-4	8270 L-4	OCT0105.D	10/01/01	16:07
05	8270 L-5	8270 L-5	OCT0106.D	10/01/01	16:37

Form 6

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: REI Consultants Inc. Contract: REI Consultants I

Lab Code: REIC Case No.: WAS001 SAS No.: SDG No.: 0110508

Instrument ID: SVGCMS1 Calibration Dates: 10/1/01 10/1/01

Heated Purge: (Y/N) N Calibration Times: 14:38 16:37

GC Column: J&W DB5.625 ID: 25 (mm)

LAB FILE ID: 8270 L-1=OCT0102.D 8270 L-2=OCT0103.D 8270 L-3=OCT0104.D 8270 L-4=OCT0105.D 8270 L-5=OCT0106.D

COMPOUND	8270 L-1	8270 L-2	8270 L-3	8270 L-4	8270 L-5						$\overline{RRF}$	% RSD	R^2	
Acenaphthene *	1.2240831	1.2112608	1.2008215	1.1640536	1.151553						1.19035	2.61695	*	
Acenaphthylene	1.7990838	1.7064031	1.6796714	1.5987500	1.5576810						1.66832	5.66742		
Aniline	1.8997321	2.0034280	1.9019625	1.6641977	1.2054809						1.73496	18.5087		
Anthracene	1.1995984	1.158866	1.1434007	1.1190374	1.1170346						1.14759	2.95454		
Benzo(a)anthracene	1.2854564	1.2681685	1.2981963	1.2990042	1.2592404						1.28201	1.39137		
Benzo(a)pyrene *	1.3018348	1.2842546	1.2806394	1.2512689	1.2435491						1.27231	1.90656	*	
Benzo(b)fluoranthene	1.4357386	1.3879244	1.4225555	1.4573698	1.4441254						1.42954	1.85285		
Benzo(g,h,i)perylene	1.2568169	1.1987868	1.1866333	1.2167408	1.1636874						1.20453	2.90700		
Benzo(k)fluoranthene	1.3167121	1.2628097	1.3731692	1.4621010	1.4149791						1.36595	5.76020		
Benzoic acid	0.2441569	0.2104856	0.1983272	0.1653471	0.1245250						0.18857	24.1663		
Benzyl alcohol	1.6211883	1.5011932	1.3681199	1.2440085	1.1552309						1.37795	13.6733		
Bis(2-chloroethoxy)methane	0.4418814	0.4399402	0.4374878	0.4343987	0.4265690						0.43606	1.37512		
Bis(2-chloroethyl)ether	1.6257134	1.5018435	1.5800749	1.4837818	1.4766234						1.53361	4.29832		
Bis(2-chloroisopropyl)ether	1.4543359	1.4362259	1.448839	1.3582397	1.4374595						1.42702	2.74701		
Bis(2-ethylhexyl)phthalate	0.7959493	0.8057675	0.7395546	0.6754727	0.6324673						0.72984	10.3143		
4-Bromophenyl phenyl ether	0.1985730	0.201885	0.1943794	0.1918475	0.1868607						0.19471	2.99819		
Butyl benzyl phthalate	0.5732012	0.5946823	0.5283145	0.5051120	0.4415994						0.52858	11.3814		
4-Chloroaniline	0.4277169	0.4212525	0.4285641	0.4186502	0.3272804						0.40469	10.7437		
4-Chloro-3-methylphenol *	0.3942391	0.3626623	0.3483126	0.3384072	0.3171234						0.35215	8.17182	*	
2-Chloronaphthalene	1.1927807	1.2034416	1.1791019	1.1784869	1.1276368						1.17629	2.47453		
2-Chlorophenol	1.7718113	1.6578247	1.627236	1.5322867	1.466159						1.61106	7.31087		
4-Chlorophenyl phenyl ether	0.7952788	0.7522655	0.7407996	0.7201387	0.7378999						0.74928	3.76037		
Chrysene	1.200886	1.1999845	1.2666845	1.2720942	1.2601278						1.23996	2.92964		
o-Cresol	1.6821078	1.5756510	1.5077753	1.4153552	1.4486492						1.52591	6.98125		

Form 6

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: REI Consultants Inc. Contract: REI Consultants I

Lab Code: REIC Case No.: WAS001 SAS No.: SDG No.: 0110508

Instrument ID: SVGCMS1 Calibration Dates: 10/1/01 10/1/01

Heated Purge: (Y/N) N Calibration Times: 14:38 16:37

GC Column: J&W DB5.625 ID: 25 (mm)

LAB FILE ID: 8270 L-1=OCT0102.D 8270 L-2=OCT0103.D 8270 L-3=OCT0104.D 8270 L-4=OCT0105.D 8270 L-5=OCT0106.D

COMPOUND	8270 L-1	8270 L-2	8270 L-3	8270 L-4	8270 L-5						$\overline{RRF}$	% RSD	R^2	
m,p-Cresol	1.0877685	0.9911433	0.960015	0.8930357	0.8730023						0.96099	8.91249		
Dibenzo(a,h)anthracene	1.3250374	1.2378589	1.2207167	1.2518990	1.196923						1.24649	3.88796		
Dibenzofuran	1.8024792	1.7454912	1.7470646	1.7016381	1.6829616						1.73593	2.67509		
Di-n-butyl phthalate	1.4244896	1.2960921	1.2281749	1.1165104	1.0325862						1.21957	12.5367		
1,2-Dichlorobenzene	1.6512568	1.5912591	1.6493184	1.5891985	1.6287202						1.62195	1.8671		
1,3-Dichlorobenzene	1.7076511	1.646769	1.7025618	1.6580327	1.7153366						1.68607	1.85785		
1,4-Dichlorobenzene *	1.7500957	1.7117474	1.7789363	1.6845779	1.7674515						1.73856	2.27018	*	
2,4-Dichlorophenol *	0.3400976	0.3261612	0.3122744	0.3109155	0.3032446						0.31854	4.5875	*	
Diethyl phthalate	1.5425045	1.3859229	1.3921577	1.289949	1.2462864						1.37136	8.33064		
Dimethyl phthalate	1.5261230	1.4406375	1.3930559	1.3482288	1.2759395						1.3968	6.75654		
2,4-Dimethylphenol	0.4320850	0.4257894	0.4230477	0.4021949	0.4048384						0.41759	3.18308		
4,6-Dinitro-2-methylphenol	0.199358	0.1855055	0.1713392	0.1511373	0.1321758						0.16790	15.9495		
2,4-Dinitrophenol *	0.2915977	0.2396248	0.2114567	0.1756793	0.1496438						0.21360	25.9545	*	
2,4-Dinitrotoluene	0.5206688	0.4617632	0.4492442	0.4063768	0.3557253						0.43876	14.0920		
2,6-Dinitrotoluene	0.3637743	0.3409361	0.3163527	0.2910476	0.2576391						0.31395	13.2406		
Di-n-octyl phthalate *	1.5006704	1.3835681	1.3013769	1.1190735	0.9913708						1.25921	16.2229	*	
1,2-Diphenylhydrazine	1.4745156	1.3716199	1.3790033	1.3300261	1.2434924						1.35973	6.16214		
Fluoranthene *	1.5454326	1.3333232	1.3443093	1.2841588	1.2774073						1.35693	8.06199	*	
Fluorene	1.5484761	1.4397095	1.4567798	1.4229535	1.3881444						1.45121	4.13443		
Hexachlorobenzene	0.2271057	0.2280285	0.2279532	0.2274395	0.2209372						0.22629	1.33358		
Hexachlorobutadiene *	0.2175111	0.2215791	0.2244594	0.2244102	0.2113276						0.21986	2.52359	*	
Hexachlorocyclopentadiene *	0.3574847	0.4403994	0.4218510	0.3839555	0.3592643						0.39259	9.49614	*	
Hexachloroethane	0.6617786	0.6352228	0.6609139	0.6124256	0.6412309						0.64231	3.18075		

Form 6

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: REI Consultants Inc. Contract: REI Consultants I

Lab Code: REIC Case No.: WAS001 SAS No.: SDG No.: 0110508

Instrument ID: SVGCMS1 Calibration Dates: 10/1/01 10/1/01

Heated Purge: (Y/N) N Calibration Times: 14:38 16:37

GC Column: J&W DB5.625 ID: 25 (mm)

LAB FILE ID: 8270 L-1=OCT0102.D 8270 L-2=OCT0103.D 8270 L-3=OCT0104.D 8270 L-4=OCT0105.D 8270 L-5=OCT0106.D

COMPOUND	8270 L-1	8270 L-2	8270 L-3	8270 L-4	8270 L-5						$\overline{RRF}$	% RSD	R^2	
Indeno(1,2,3-cd)pyrene	1.5538177	1.3086985	1.4441740	1.2582536	1.1977048						1.35253	10.6948		
Isophorone	0.7748967	0.7503404	0.7133048	0.6851474	0.6094186						0.70662	9.09664		
2-Methylnaphthalene	0.8079596	0.7784334	0.7581225	0.780643	0.7528169						0.7756	2.81383		
Naphthalene	1.1012830	1.1058156	1.1065107	1.1312397	1.0987544						1.10872	1.17172		
2-Nitroaniline	0.3881161	0.3657737	0.3384885	0.3034106	0.2651269						0.33218	14.7639		
3-Nitroaniline	0.3907947	0.3544644	0.3384666	0.3107932	0.252014						0.32931	15.7897		
4-Nitroaniline	0.4576383	0.3825217	0.3765608	0.3296013	0.2969034						0.36865	16.5261		
Nitrobenzene	0.4069946	0.4063582	0.3938516	0.3948290	0.3849566						0.3974	2.34152		
2-Nitrophenol *	0.2205980	0.2127942	0.2040016	0.1917227	0.1794159						0.20171	8.15252	*	
4-Nitrophenol *	0.3659651	0.3134154	0.3014239	0.2772979	0.2478417						0.30119	14.6259	*	
N-Nitrosodimethylamine	0.8156679	0.7331698	0.7652434	0.7152947	0.6442355						0.73472	8.62192		
N-Nitrosodiphenylamine *	0.5637985	0.5841122	0.5766912	0.5628327	0.3457687						0.52664	19.2741	*	
N-Nitrosodi-n-propylamine *	1.2958449	1.2098542	1.1369588	1.0661402	1.0320408						1.14817	9.33519	*	
Pentachlorophenol *	0.1865271	0.1742828	0.1565311	0.1430210	0.1314027						0.15835	14.164	*	
Phenanthrene	1.1941115	1.1495511	1.1660827	1.1678639	1.1576415						1.16705	1.43933		
Phenol *	2.2986263	2.0874204	2.0196255	1.8978569	1.8597664						2.03266	8.59079	*	
Pyrene	1.0909888	1.2247448	1.2116496	1.2560132	1.1915751						1.19499	5.24513		
Pyridine	1.6044656	1.5018766	1.5180524	1.4007324	1.2543839						1.45590	9.19601		
2,3,4,6-Tetrachlorophenol	0.4229540	0.3860399	0.3618729	0.3405972	0.3073714						0.36377	12.077		
1,2,4-Trichlorobenzene	0.3473243	0.3449268	0.3586171	0.3445578	0.3602725						0.35114	2.18657		
2,4,5-Trichlorophenol	0.4350265	0.4063668	0.4278094	0.4091306	0.3838882						0.41244	4.86338		
2,4,6-Trichlorophenol *	0.4178474	0.4181602	0.3954107	0.3733503	0.3576624						0.39249	6.84822	*	
2-Fluorophenol	1.6498703	1.5547521	1.5037903	1.3819826	1.3097107						1.48002	9.16615		

Form 6

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: REI Consultants Inc. Contract: REI Consultants I

Lab Code: REIC Case No.: WAS001 SAS No.: SDG No.: 0110508

Instrument ID: SVGCMS1 Calibration Dates: 10/1/01 10/1/01

Heated Purge: (Y/N) N Calibration Times: 14:38 16:37

GC Column: J&W DB5.625 ID: 25 (mm)

LAB FILE ID: 8270 L-1=OCT0102.D 8270 L-2=OCT0103.D 8270 L-3=OCT0104.D 8270 L-4=OCT0105.D 8270 L-5=OCT0106.D

COMPOUND	8270 L-1	8270 L-2	8270 L-3	8270 L-4	8270 L-5						$\overline{RRF}$	% RSD	R^2
Phenol-d5	2.1573342	1.9522169	1.8763745	1.7603414	1.6799026						1.88523	9.79384	
2,4,6-Tribromophenol	0.1002209	0.0992865	0.0911508	0.0894939	0.0767177						0.09137	10.3719	
Nitrobenzene-d5	0.4115638	0.4091592	0.3915091	0.387798	0.3555902						0.39112	5.74115	
2-Fluorobiphenyl	1.3204452	1.3623724	1.3549836	1.3339127	1.3283166						1.34001	1.33547	
4-Terphenyl-d14	0.7694927	0.8642582	0.839177	0.8749170	0.8551713						0.84060	4.97938	

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

CONTINUING CALIBRATION CHECK

Lab Name: REI Consultants Inc. Contract: _____

Lab Code: REIC Case No.: WAS001 SAS No.: _____ SDG No.: 0110508

Instrument ID: SVGCMS1 Calibration Date: 10/24/01 Time: 10:44

Lab File ID: OCT2402.D Init. Calib. Dates: 10/1/01 10/1/01

Heated Purge: (Y/N) N Init. Calib. Times: 14:38 16:37

GC Column: J&W DB5.625 ID: 25 (mm)

COMPOUND	CURVE TYPE	RRF	RRF50	MIN RRF	%D	MAX %D	THEO CONC	RCVR CONC	%D²	MAX %D²	
Acenaphthene	AVRG	1.190	1.218		2.3	20.0					*
Acenaphthylene	AVRG	1.668	1.695		1.6						
Aniline	AVRG	1.735	1.870		7.8						
Anthracene	AVRG	1.148	1.165		1.5						
Benzo(a)anthracene	AVRG	1.282	1.279		-0.2						
Benzo(a)pyrene	AVRG	1.272	1.221		-4.1	20.0					*
Benzo(b)fluoranthene	AVRG	1.430	1.331		-6.9						
Benzo(g,h,i)perylene	AVRG	1.205	1.099		-8.7						
Benzo(k)fluoranthene	AVRG	1.366	1.404		2.8						
enzoic acid	AVRG	0.189	0.192		1.8						
Benzyl alcohol	AVRG	1.378	1.450		5.2						
Bis(2-chloroethoxy)methane	AVRG	0.436	0.438		0.5						
Bis(2-chloroethyl)ether	AVRG	1.534	1.459		-4.8						
Bis(2-chloroisopropyl)ether	AVRG	1.427	1.340		-6.1						
Bis(2-ethylhexyl)phthalate	AVRG	0.730	0.864		18.4						
4-Bromophenyl phenyl ether	AVRG	0.195	0.191		-1.7						
Butyl benzyl phthalate	AVRG	0.529	0.631		19.5						
4-Chloroaniline	AVRG	0.405	0.426		5.3						
4-Chloro-3-methylphenol	AVRG	0.352	0.389		10.3	20.0					*
2-Chloronaphthalene	AVRG	1.176	1.169		-0.6						
2-Chlorophenol	AVRG	1.611	1.584		-1.7						
4-Chlorophenyl phenyl ether	AVRG	0.749	0.774		3.3						
Chrysene	AVRG	1.240	1.188		-4.2						
o-Cresol	AVRG	1.526	1.566		2.6						
Dibenzo(a,h)anthracene	AVRG	1.246	1.121		-10.1						
Dibenzofuran	AVRG	1.736	1.814		4.5						
Di-n-butyl phthalate	AVRG	1.220	1.434		17.6						
1,2-Dichlorobenzene	AVRG	1.622	1.594		-1.7						
1,3-Dichlorobenzene	AVRG	1.686	1.701		0.9						
1,4-Dichlorobenzene	AVRG	1.739	1.717		-1.2	20.0					*
2,4-Dichlorophenol	AVRG	0.319	0.326		2.3	20.0					*

CONTINUING CALIBRATION CHECK

Lab Name: REI Consultants Inc. Contract: _____

Lab Code: REIC Case No.: WAS001 SAS No.: _____ SDG No.: 0110508

Instrument ID: SVGCMS1 Calibration Date: 10/24/01 Time: 10:44

Lab File ID: OCT2402.D Init. Calib. Dates: 10/1/01 10/1/01

Heated Purge: (Y/N) N Init. Calib. Times: 14:38 16:37

GC Column: J&W DB5.625 ID: 25 (mm)

COMPOUND	CURVE TYPE	RRF	RRF50	MIN RRF	%D	MAX %D	THEO CONC	RCVR CONC	%D²	MAX %D²	
Diethyl phthalate	AVRG	1.371	1.499		9.3						
Dimethyl phthalate	AVRG	1.397	1.433		2.6						
2,4-Dimethylphenol	AVRG	0.418	0.436		4.3						
4,6-Dinitro-2-methylphenol	AVRG	0.168	0.164		-2.1						
2,4-Dinitrophenol	AVRG	0.214	0.187	0.050	-12.5						*
2,4-Dinitrotoluene	AVRG	0.439	0.486		10.7						
2,6-Dinitrotoluene	AVRG	0.314	0.331		5.5						
Di-n-octyl phthalate	AVRG	1.259	1.372		9.0	20.0					*
1,2-Diphenylhydrazine	AVRG	1.360	1.512		11.2						
uoranthene	AVRG	1.357	1.356		-0.1	20.0					*
Fluorene	AVRG	1.451	1.488		2.5						
Hexachlorobenzene	AVRG	0.226	0.221		-2.2						
Hexachlorobutadiene	AVRG	0.220	0.234		6.2	20.0					*
Hexachlorocyclopentadiene	AVRG	0.393	0.381	0.050	-2.9						*
Hexachloroethane	AVRG	0.642	0.665		3.6						
Indeno(1,2,3-cd)pyrene	AVRG	1.353	1.053		-22.2						
Isophorone	AVRG	0.707	0.769		8.8						
2-Methylnaphthalene	AVRG	0.776	0.792		2.1						
Naphthalene	AVRG	1.109	1.127		1.6						
2-Nitroaniline	AVRG	0.332	0.357		7.5						
3-Nitroaniline	AVRG	0.329	0.350		6.2						
4-Nitroaniline	AVRG	0.369	0.389		5.5						
Nitrobenzene	AVRG	0.397	0.434		9.3						
2-Nitrophenol	AVRG	0.202	0.211		4.6	20.0					*
4-Nitrophenol	AVRG	0.301	0.309	0.050	2.6						*
N-Nitrosodimethylamine	AVRG	0.735	0.663		-9.7						
N-Nitrosodiphenylamine	AVRG	0.527	0.557		5.8	20.0					*
N-Nitrosodi-n-propylamine	AVRG	1.148	1.347	0.050	17.3						*
Pentachlorophenol	AVRG	0.158	0.132		-16.6	20.0					*
Phenanthrene	AVRG	1.167	1.184		1.4						
Phenol	AVRG	2.033	2.005		-1.4	20.0					*

CONTINUING CALIBRATION CHECK

Lab Name: REI Consultants Inc. Contract: _____

Lab Code: REIC Case No.: WAS001 SAS No.: _____ SDG No.: 0110508

Instrument ID: SVGCMS1 Calibration Date: 10/24/01 Time: 10:44

Lab File ID: OCT2402.D Init. Calib. Dates: 10/1/01 10/1/01

Heated Purge: (Y/N) N Init. Calib. Times: 14:38 16:37

GC Column: J&W DB5.625 ID: 25 (mm)

COMPOUND	CURVE TYPE	RRF	RRF50	MIN RRF	%D	MAX %D	THEO CONC	RCVR CONC	%D²	MAX %D²
Pyrene	AVRG	1.195	1.377		15.2					
Pyridine	AVRG	1.456	1.239		-14.9					
2,3,4,6-Tetrachlorophenol	AVRG	0.364	0.367		0.9					
1,2,4-Trichlorobenzene	AVRG	0.351	0.359		2.3					
2,4,5-Trichlorophenol	AVRG	0.412	0.423		2.4					
2,4,6-Trichlorophenol	AVRG	0.392	0.399		1.6	20.0				*
m,p-Cresol	AVRG	0.961	0.945		-1.7					
2-Fluorophenol	AVRG	1.480	1.457		-1.6					
Phenol-d5	AVRG	1.885	1.855		-1.6					
,4,6-Tribromophenol	AVRG	0.091	0.091		-0.6					
Nitrobenzene-d5	AVRG	0.391	0.427		9.1					
2-Fluorobiphenyl	AVRG	1.340	1.319		-1.6					
4-Terphenyl-d14	AVRG	0.841	0.975		16.0					

INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: REI Consultants Inc. SDG No.: 0110508

Lab Code: REIC

Lab File ID (Standard): OCT2402.D Date Analyzed: 10/24/01

Instrument ID: SVGCMS1 Time Analyzed: 10:44

GC Column: J&W DB5.6 ID: 25 (mm)

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #	IS4 AREA #	RT #
12 HOUR STD	29892	4.250	85210	7.230	175407	11.500	127754	5.460
UPPER LIMIT	59784	4.750	170420	7.730	350814	12.000	255508	5.960
LOWER LIMIT	14946	3.750	42605	6.730	87704	11.000	63877	4.960
SAMPLE NO.								
01 dftpp								
02 MB-11290	51510	4.25	134393	7.22	222678	11.50	210577	5.46
03 LCS	35780	4.25	92247	7.23	158694	11.50	145161	5.46
04 SAMPLE DIRT A	44494	4.25	115043	7.23	185402	11.50	178888	5.46
05 ZZZZZ	35230	4.25	89554	7.22	148260	11.49	142568	5.46
06 ZZZZZ	49368	4.25	121836	7.23	198238	11.50	192440	5.46
07 0110351-02A DUP	59079	4.25	150076	7.23	257697	11.50	232828	5.46
08 [illegible]	47486	4.25	117817	7.23	213230	11.49	187982	5.46
09 MSD	60655*	4.25	157507	7.23	261029	11.50	243790	5.46
10 ZZZZZ	41361	4.25	108214	7.22	176922	11.50	169842	5.46
11 ZZZZZ	39476	4.25	108799	7.23	182465	11.50	169885	5.46
12 ZZZZZ	46607	4.25	121707	7.23	209169	11.50	189108	5.46
13 ZZZZZ	43554	4.25	114327	7.22	195610	11.50	180142	5.46
14 ZZZZZ	39440	4.25	101468	7.22	177165	11.50	162768	5.46

IS1 = 1,4-Dichlorobenzene-d4
IS2 = Acenaphthene-d10
IS3 = Chrysene-d12
IS4 = Naphthalene-d8

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: REI Consultants Inc. SDG No.: 0110508

Lab Code: REIC

Lab File ID (Standard): OCT2402.D Date Analyzed: 10/24/01

Instrument ID: SVGCMS1 Time Analyzed: 10:44

GC Column: J&W DB5.6 ID: 25 (mm)

	IS5 AREA #	RT #	IS6 AREA #	RT #				
12 HOUR STD	144252	13.410	170450	8.740				
UPPER LIMIT	288504	13.910	340900	9.240				
LOWER LIMIT	72126	12.910	85225	8.240				
SAMPLE NO.								
01 dftpp								
02 MB-11290	192697	13.41	236372	8.74				
03 LCS	127624	13.41	163894	8.75				
04 SAMPLE DIRT A	152935	13.41	205914	8.75				
05 ZZZZZ	126249	13.41	160431	8.74				
06 ZZZZZ	164205	13.41	213493	8.74				
[illegible] 10351-02A DUP	216492	13.41	266895	8.74				
[illegible]	171737	13.41	211050	8.74				
09 MSD	217818	13.41	283672	8.74				
10 ZZZZZ	145220	13.41	189230	8.74				
11 ZZZZZ	154190	13.41	193627	8.74				
12 ZZZZZ	176177	13.41	219638	8.74				
13 ZZZZZ	166757	13.41	204844	8.74				
14 ZZZZZ	148233	13.41	182153	8.74				

IS5 = Perylene-d12

IS6 = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

Metals by SW846 6000/7000 Series

Level III QC Summary

U.S. EPA - CLP

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: REI Consultants Inc. Contract: Waste Tron

Lab Code: REIC Case No. 4807 SAS No.: Minden SDG No.: 0110508

SOW No.: ILM04.1

	Lab Sample ID.
SAMPLE DIRT A	0110508-01A
SAMPLE DIRT AD	0110508-01a
SAMPLE DIRT AS	0110508-01A

Were ICP interelement corrections applied? Yes/No NO

Were ICP background corrections applied? Yes/No YES

If yes-were raw data generated before application of background corrections? Yes/No YES

Comments:

Solid matrix samples reported on "as received" basis.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Angie M. Leef Name: Angie Leef

Date: 1-15-02 Title: QC Manager

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: REI Consultants Inc. Contract:

Lab Code: REIC Case No. SAS No.: SDG No.: 0110508

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)		M
Beryllium	100.0	96.20	96.2				98.00	98.0		P
Copper	1000.0	1028.00	102.8	1000.0	1021.00	102.1				P
Nickel	1000.0	1046.00	104.6	1000.0	1031.00	103.1				P
Zinc	1000.0	1013.00	101.3							P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: REI Consultants Inc. Contract:

Lab Code: REIC Case No. SAS No.: SDG No.: 0110508

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)		M
Beryllium										P
Copper										P
Nickel										P
Zinc				1000.0	1021.00	102.1	1100.00	110.0		P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: REI Consultants Inc. Contract:

Lab Code: REIC Case No. SAS No.: SDG No.: 0110508

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)		M
Cadmium	200.0	209.50	104.8	200.0	215.80	107.9				P
Chromium	1000.0	1055.00	105.5	1000.0	1077.00	107.7				P
Lead	2000.0	2131.00	106.6	2000.0	2178.00	108.9				P
Silver	250.0	253.40	101.4	250.0	261.60	104.6				P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: REI Consultants Inc. Contract:

Lab Code: REIC Case No. SAS No.: SDG No.: 0110508

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Arsenic	50.0	49.70	99.4	50.0	47.00	94.0	47.90	95.8	F

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: REI Consultants Inc. Contract:

Lab Code: REIC Case No. SAS No.: SDG No.: 0110508

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Antimony	20.0	20.00	100.0	20.0	22.00	110.0	18.10	90.5	F

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: REI Consultants Inc. Contract:

Lab Code: REIC Case No. SAS No.: SDG No.: 0110508

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Selenium	50.0	52.20	104.4	50.0	47.50	95.0			F

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: REI Consultants Inc. Contract:

Lab Code: REIC Case No. SAS No.: SDG No.: 0110508

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Thallium	10.0	11.00	110.0	10.0	10.30	103.0			F

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: REI Consultants Inc. Contract:

Lab Code: REIC Case No. SAS No.: SDG No.: 0110508

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration						M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)		
Mercury	10.0	10.50	105.0	10.0	10.20	102.0				CV

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

BLANKS

Lab Name: REI Consultants Inc. Contract:

Lab Code: REIC Case No. SAS No.: SDG No.: 0110508

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Cadmium	0.5	U	0.5	U					0.500	U	P
Chromium	2.5	U	2.5	U					2.500	U	P
Lead	5.0	U	5.0	U					5.000	U	P
Silver	2.5	U	2.5	U					2.500	U	P

BLANKS

Lab Name: REI Consultants Inc. Contract:

Lab Code: REIC Case No. SAS No.: SDG No.: 0110508

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Beryllium	0.5	U	0.5	U	0.5	U	0.5	U	0.500	U	P

BLANKS

Lab Name: REI Consultants Inc. Contract:

Lab Code: REIC Case No. SAS No.: SDG No.: 0110508

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
			0.5	U							

BLANKS

Lab Name: REI Consultants Inc. Contract:

Lab Code: REIC Case No. SAS No.: SDG No.: 0110508

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Copper	2.5	U	2.5	U	2.5	U	2.5	U	2.500	U	P
Nickel	2.5	U	2.5	U	2.5	U	2.5	U	2.500	U	P

BLANKS

Lab Name: REI Consultants Inc. Contract:

Lab Code: REIC Case No. SAS No.: SDG No.: 0110508

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
			2.5 2.5	U U							

BLANKS

Lab Name: REI Consultants Inc. Contract:

Lab Code: REIC Case No. SAS No.: SDG No.: 0110508

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Zinc	12.5	U	12.5	U	12.5	U	12.5	U	12.500	U	P

BLANKS

Lab Name: REI Consultants Inc. Contract:

Lab Code: REIC Case No. SAS No.: SDG No.: 0110508

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
			12.5	U							

Lab Name: REI Consultants Inc. Contract:

Lab Code: REIC Case No. SAS No.: SDG No.: 0110508

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Antimony	5.0	U	5.0	U	5.0	U			5.000	U	F

BLANKS

Lab Name: REI Consultants Inc. Contract:

Lab Code: REIC Case No. SAS No.: SDG No.: 0110508

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Arsenic	5.0	U	5.0	U	5.0	U			5.000	U	F

BLANKS

Lab Name: REI Consultants Inc. Contract:

Lab Code: REIC Case No. SAS No.: SDG No.: 0110508

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Mercury	0.1	U	0.1	U					0.100	U	CV

BLANKS

Lab Name: REI Consultants Inc. Contract:

Lab Code: REIC Case No. SAS No.: SDG No.: Q110508

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Selenium	0.5	U	0.5	U					0.500	U	F

BLANKS

Lab Name: REI Consultants Inc. Contract:

Lab Code: REIC Case No. SAS No.: SDG No.: 0110508

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Thallium	2.5	U	2.5	U					2.500	U	F

5A
SPIKE SAMPLE RECOVERY

CLIENT SAMP ID

AMPLE DIRT A

Lab Name: REI Consultants Inc. Contract: Waste T

Lab Code: REIC Case No. 4807 SAS No.: Minden SDG No.: 0110508

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 0.0 Lab Sample ID: 0110508-01A

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony	70-130	24.0000		0.0010	U	20.00	120.0		F
Arsenic	70-130	51.5000		10.6000		50.00	81.8		F
Beryllium	75-125	28.6250		0.8625		25.00	111.1		P
Cadmium	75-125	12.8900		0.6500		12.50	97.9		P
Chromium	75-125	64.7750		17.3025		50.00	94.9		P
Copper	75-125	75.6750		22.6275		50.00	106.1		P
Lead	75-125	64.1000		15.6850		50.00	96.8		P
Mercury	70-130	1.1400		0.0200	U	1.00	114.0		CV
Nickel	75-125	59.2750		13.5775		50.00	91.4		P
Selenium	70-130	11.6400		0.4850	J	10.00	111.6		F
Silver	75-125	12.9000		1.3525	J	12.50	92.4		P
Thallium	70-130	4.5500		0.1000	U	5.00	91.0		F
Zinc	75-125	594.0000		47.3000		500.00	109.3		P

Comments:

5B

POST DIGEST SPIKE SAMPLE RECOVERY

CLIENT SAMP ID

AMPLE DIRT A

Lab Name: REI Consultants Inc. Contract: Waste T

Lab Code: REIC Case No. 4807 SAS No.: Minden SDG No.: 0110508

Matrix (soil/water): SOIL Level (low/med): LOW

Lab Sample ID: 0110508-01A

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony	70-130	24.00		0.00	U	20.0	120.0		F
Arsenic	70-130	51.50		10.60		50.0	81.8		F
Thallium	70-130	4.55		0.10	U	5.0	91.0		F
Zinc	75-125	594.00		47.30		500.0	109.3		P

Comments:

6
DUPLICATES

CLIENT SAMP ID

SAMPLE DIRT

Lab Name: REI Consultants Inc. Contract: Waste

Lab Code: REIC Case 4807 SAS No.: Minden SDG No.: 0110508

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

Lab Sample ID: 0110508-01A

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Antimony	20.0	0.0010	U	0.0010	U	0.0		F
Arsenic	10.0	10.6000		12.0000		12.4		F
Beryllium		0.8625		0.8550		0.9		P
Cadmium	0.5	0.6500		0.5325		19.9		P
Chromium		17.3025		14.5000		17.6		P
Copper		22.6275		22.5175		0.5		P
Lead	5.0	15.6850		15.6850		0.0		P
Mercury	20.0	0.0200	U	0.0200	U	0.0		CV
Nickel		13.5775		13.2550		2.4		P
Selenium	20.0	0.500	U	0.500	U	0.0		F
Silver	20.0	2.50	U	2.50	U	0.0		P
Thallium	20.0	0.1000	U	0.1000	U	0.0		F
Zinc	12.5	47.3000		47.8250		1.1		P

LABORATORY CONTROL SAMPLE

Lab Name: REI Consultants Inc. Contract: Waste

Lab Code: REIC Case 4807 SAS No.: Minden SDG No.: 0110508

Solid LCS Source:

Aqueous LCS Source:

	Aqueous (ug/L)			Solid (mg/kg)				
Analyte	True	Found	%R	True	Found	C	Limits	%R
Mercury				1.0	1.1	80.0	120.0	110.0

LABORATORY CONTROL SAMPLE

Lab Name: REI Consultants Inc. Contract: Waste

Lab Code: REIC Case 4807 SAS No.: Minden SDG No.: 0110508

Solid LCS Source:

Aqueous LCS Source:

	Aqueous (ug/L)			Solid (mg/kg)				
Analyte	True	Found	%R	True	Found	C	Limits	%R
Beryllium				1.0	1.1	80.0	120.0	113.1
Cadmium				12.5	12.8	80.0	120.0	102.7
Chromium				50.0	52.6	80.0	120.0	105.2
Copper				50.0	54.1	80.0	120.0	108.1
Lead				50.0	51.0	80.0	120.0	102.1
Nickel				50.0	50.4	80.0	120.0	100.8
Silver				12.5	12.8	80.0	120.0	102.1
Zinc				2.0	2.0	80.0	120.0	95.0

LABORATORY CONTROL SAMPLE

Lab Name: REI Consultants Inc. Contract: Waste

Lab Code: REIC Case 4807 SAS No.: Minden SDG No.: 0110508

Solid LCS Source:

Aqueous LCS Source:

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Antimony				2.0	2.1		85.0	115.0	104.0
Arsenic				40.0	40.6		80.0	120.0	101.4
Selenium				10.0	10.1		80.0	120.0	100.6
Thallium				2.0	2.2		80.0	120.0	109.0

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: REI Consultants Inc. Contract: Waste T

Lab Code: REIC Case No. 4807 SAS No.: 4807 SDG No.: 0110508

ICP ID Number: Date: 2/9/01

Flame AA ID Number:

Furnace AA ID Number: 220Z 2

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Arsenic	193.7	BZ	0.5	0.002	F

Comments:

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: REI Consultants Inc. Contract: Waste T

Lab Code: REIC Case No. 4807 SAS No.: 4807 SDG No.: 0110508

ICP ID Number: Date: 2/5/01

Flame AA ID Number:

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Mercury	253.7	BD	0.1	0.02	C

Comments:

10
INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: REI Consultants Inc. Contract: Waste T

Lab Code: REIC Case No. 4807 SAS No.: 4807 SDG No.: 0110508

ICP ID Number: Date: 2/5/01

Flame AA ID Number:

Furnace AA ID Number: 220Z 2

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Antimony	217.6	BZ	0.5	0.001	F

Comments:

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: REI Consultants Inc. Contract: Waste T

Lab Code: REIC Case No. 4807 SAS No.: 4807 SDG No.: 0110508

ICP ID Number: Date: 2/6/01

Flame AA ID Number:

Furnace AA ID Number: 220Z 1

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Selenium	196	BZ	0.5	0.001	F

Comments:

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: REI Consultants Inc. Contract: Waste T

Lab Code: REIC Case No. 4807 SAS No.: 4807 SDG No.: 0110508

ICP ID Number: Date: 2/5/01

Flame AA ID Number:

Furnace AA ID Number: 220Z 1

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Thallium	276.8	BZ	0.3	0.1	F

Comments:

10
INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: REI Consultants Inc. Contract: Waste T

Lab Code: REIC Case No. 4807 SAS No.: 4807 SDG No.: 0110508

ICP ID Number: ATOMSCAN Date: 2/5/01

Flame AA ID Number:

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Beryllium	234.861		0.1	0.001	P
Cadmium	228.802		0.5	0.004	P
Chromium	267.716		2.5	0.01	P
Copper	324.754		2.5	0.005	P
Lead	220.353		12.0	0.03	P
Nickel	221.647		2.5	0.03	P
Silver	328.068		1.3	0.015	P
Zinc	213.856		1.3	0.002	p

Comments:

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ICP LINEAR RANGES

Lab Name: REI Consultants Inc. Contract: Waste T

Lab Code: REIC Case No. 4807 SAS No.: Minden SDG No.: 0110508

ICP ID Number: ATOMSCAN Date: 2/5/01

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Beryllium	2.00	2	P
Cadmium	2.00	4	P
Chromium	2.00	50	P
Copper	2.00	50	P
Lead	2.00	25	P
Nickel	2.00	50	P
Silver	2.00	5	P
Zinc	2.00	25	p

Comments:

PREPARATION LOG

Lab Name: REI Consultants Inc. Contract: Waste T

Lab Code: REIC Case No. 4807 SAS No.: Minden SDG No.: 0110508

Method: P

Lab Samp ID	EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)	Final Volume (mL)
LCS-11264	LCSS	10/18/01	2.00		100
LCS-11263	LCSS	10/18/01	2.00		50
MB-11264	PBS	10/18/01	2.00		100
MB-11263	PBS	10/18/01	2.00		50
0110508-01A	SAMPLE DIRT	10/18/01	2.00		50
0110508-01A	SAMPLE DIRT	10/18/01	2.00		50
0110508-01A	SAMPLE DIRT	10/18/01	2.00		50
0110508-01A	SAMPLE DIRT	10/18/01	2.00		50
0110519-04a	ZZZZZZ	10/18/01	2.00		50
0110519-04a	ZZZZZZ	10/18/01	2.00		50

PREPARATION LOG

Lab Name: REI Consultants Inc. Contract: Waste T

Lab Code: REIC Case No. 4807 SAS No.: Minden SDG No.: 0110508

Method: F

Lab Samp ID	EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)	Final Volume (mL)
0110508-01A	SAMPLE DIRT	10/18/01	2.00		100
0110508-01a	SAMPLE DIRT	10/18/01	2.00		100
0110508-01A	SAMPLE DIRT	10/18/01	2.00		100
0110508-01a	SAMPLE DIRT	10/18/01	2.00		100

PREPARATION LOG

Lab Name: REI Consultants Inc. Contract: Waste T

Lab Code: REIC Case No. 4807 SAS No.: Minden SDG No.: 0110508

Method: CV

Lab Samp ID	EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)	Final Volume (mL)
LCS-11252	LCSS	10/18/01	1.00		100
MB-11252	PBS	10/18/01	1.00		100
0110508-01A	SAMPLE DIRT	10/18/01	1.00		100
0110508-01a	SAMPLE DIRT	10/18/01	1.00		100
0110508-01a	SAMPLE DIRT	10/18/01	1.00		100

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ANALYSIS RUN LOG

Lab Name: REI Consultants Inc. Contract: Waste T

Lab Code: REIC Case No. 4807 SAS No.: Minden SDG No.: 0110508

Instrument ID Number: 220Z 1 Method: F

Start Date: 10/18/01 End Date: 10/18/01

EPA Sample No.	D/F	Time	% R	Analytes																						
				AL	SB	AS	BA	BE	CD	CA	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN.
S0	1	1511	0.0																			X			
S1	1	1513	0.0																			X			
S2	1	1515	0.0																			X			
S3	1	1517	0.0																			X			
ICV	1	1519	0.0																			X			
ICB	1	1521	0.0																			X			
PBS	1	1525	0.0																			X			
LCSS	1	1530	0.0																			X			
SAMPLE DI	10	1537	0.0																			X			
SAMPLE DI	1	1539	0.0																			X			
SAMPLE DI	1	1541	0.0																			X			
CCV	1	1543	0.0																			X			
CCB	1	1545	0.0																			X			

ANALYSIS RUN LOG

Lab Name: REI Consultants Inc. Contract: Waste T

Lab Code: REIC Case No. 4807 SAS No.: Minden SDG No.: 0110508

Instrument ID Number: 220Z 1 Method: F

Start Date: 10/22/01 End Date: 10/22/01

EPA Sample No.	D/F	Time	% R	Analytes																						
				AL	SB	AS	BA	BE	CD	CA	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1	1405	0.0																	X						
S1	1	1407	0.0																	X						
S2	1	1409	0.0																	X						
S3	1	1411	0.0																	X						
ICV	1	1413	0.0																	X						
ICB	1	1415	0.0																	X						
PBS	1	1419	0.0																	X						
LCSS	1	1421	0.0																	X						
SAMPLE DI	1	1423	0.0																	X						
SAMPLE DI	1	1425	0.0																	X						
SAMPLE DI	1	1427	0.0																	X						
CCV	1	1435	0.0																	X						
CCB	1	1437	0.0																	X						

ANALYSIS RUN LOG

Lab Name: REI Consultants Inc. Contract: Waste T

Lab Code: REIC Case No. 4807 SAS No.: Minden SDG No.: 0110508

Instrument ID Number: 220Z 2 Method: F

Start Date: 10/18/01 End Date: 10/18/01

EPA Sample No.	D/F	Time	% R	Analytes																						
				AL	SB	AS	BA	BE	CD	CA	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1	1518	0.0		X																					
S1	1	1520	0.0		X																					
S2	1	1522	0.0		X																					
S3	1	1524	0.0		X																					
ICV	1	1526	0.0		X																					
ICB	1	1529	0.0		X																					
PBS	1	1538	0.0		X																					
LCSS	1	1540	0.0		X																					
CCV	1	1548	0.0		X																					
CCB	1	1550	0.0		X																					
SAMPLE DI	1	1552	0.0		X																					
SAMPLE DI	20	1554	0.0		X																					
SAMPLE DI	1	1556	0.0		X																					
CCB	1	1606	0.0		X																					
CCV	1	1608	0.0		X																					

ANALYSIS RUN LOG

Lab Name: REI Consultants Inc. Contract: Waste T

Lab Code: REIC Case No. 4807 SAS No.: Minden SDG No.: 0110508

Instrument ID Number: 220Z 2 Method: F

Start Date: 10/23/01 End Date: 10/23/01

EPA Sample No.	D/F	Time	% R	Analytes																						
				AL	SB	AS	BA	BE	CD	CA	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1	0800	0.0			X																				
S1	1	0802	0.0			X																				
S2	1	0804	0.0			X																				
S3	1	0806	0.0			X																				
ICV	1	0808	0.0			X																				
ICB	1	0810	0.0			X																				
PBS	1	0818	0.0			X																				
LCSS	1	0826	0.0			X																				
CCV	1	0828	0.0			X																				
CCB	1	0830	0.0			X																				
SAMPLE DI	20	0840	0.0			X																				
SAMPLE DI	1	0842	0.0			X																				
SAMPLE DI	1	0844	0.0			X																				
CCB	1	0846	0.0			X																				
CCV	1	0848	0.0			X																				

ANALYSIS RUN LOG

Lab Name: REI Consultants Inc. Contract: Waste T

Lab Code: REIC Case No. 4807 SAS No.: Minden SDG No.: 0110508

Instrument ID Number: ATOMSCAN Method: P

Start Date: 10/23/01 End Date: 10/23/01

EPA Sample No.	D/F	Time	% R	Analytes																						
				AL	SB	AS	BA	BE	CD	CA	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
STD 1	1	1411	0.0						X		X			X							X					
STD 2	1	1415	0.0						X		X			X							X					
STD 4	1	1420	0.0						X		X			X							X					
ICB	1	1425	0.0						X		X			X							X					
ICV	1	1430	0.0						X		X			X							X					
PBS	1	1442	0.0						X		X			X							X					
LCSS	1	1448	0.0						X		X			X							X					
SAMPLE DI	1	1453	0.0						X		X			X							X					
SAMPLE DI	1	1504	0.0						X		X			X							X					
SAMPLE DI	1	1508	0.0						X		X			X							X					
CCB	1	1513	0.0						X		X			X							X					
CCV	1	1518	0.0						X		X			X							X					

ANALYSIS RUN LOG

Lab Name: REI Consultants Inc. Contract: Waste T

Lab Code: REIC Case No. 4807 SAS No.: Minden SDG No.: 0110508

Instrument ID Number: ATOMSCAN Method: P

Start Date: 10/24/01 End Date: 10/24/01

EPA Sample No.	D/F	Time	% R	Analytes																						
				AL	SB	AS	BA	BE	CD	CA	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
STD 1	1	0813	0.0									X						X						X	
STD 2	1	0816	0.0									X						X						X	
STD 4	1	0819	0.0									X						X						X	
ICB	1	0826	0.0									X						X							
ICV	1	0835	0.0									X						X							
PBS	1	0839	0.0									X						X							
LCSS	1	0842	0.0									X						X							
SAMPLE DI	1	0846	0.0									X						X							
SAMPLE DI	1	0849	0.0									X						X							
SAMPLE DI	1	0853	0.0									X						X							
CCB	1	0856	0.0									X						X							
CCV	1	0902	0.0									X						X							
BLANK	1	0906	0.0					X																	
STD 1	1	0909	0.0					X																	
STD 2	1	0914	0.0					X																	
STD 4	1	0916	0.0					X																	
ICB	1	0919	0.0					X																	
ICV	1	0926	0.0					X																	
PBS	1	0929	0.0					X																	
LCSS	1	0938	0.0					X																	
SAMPLE DI	1	0941	0.0					X																	
SAMPLE DI	1	0943	0.0					X																	
SAMPLE DI	1	0946	0.0					X																	
CCB	1	0949	0.0					X																	
CCV	1	0951	0.0					X																	
BLANK	1	0953	0.0																					X	
STD 1	1	0955	0.0																					X	
STD 2	1	0958	0.0																					X	
STD 4	1	1000	0.0																					X	
ICB	1	1002	0.0																					X	
ICV	1	1004	0.0																					X	
SAMPLE DI	10	1014	0.0																					X	
SAMPLE DI	1	1016	0.0																					X	
SAMPLE DI	1	1018	0.0																					X	
CCB	1	1020	0.0																					X	

ANALYSIS RUN LOG

Lab Name: REI Consultants Inc. Contract: Waste T

Lab Code: REIC Case No. 4807 SAS No.: Minden SDG No.: 0110508

Instrument ID Number: ATOMSCAN Method: P

Start Date: 10/24/01 End Date: 10/24/01

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CCV	1	1022	0.0																						X	
PBS	1	1027	0.0																						X	
LCSS	1	1029	0.0																						X	
CCB	1	1031	0.0																						X	
CCV	1	1033	0.0																						X	

ANALYSIS RUN LOG

Lab Name: REI Consultants Inc. Contract: Waste T

Lab Code: REIC Case No. 4807 SAS No.: Minden SDG No.: 0110508

Instrument ID Number: ATOMSCAN Method: P

Start Date: 10/24/01 End Date: 10/24/01

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
PBS	1	0000	0.0					X	X		X	X		X				X			X				X	
LCSS	1	0000	0.0					X	X		X	X		X				X			X				X	
ZZZZZZ	1	0000	0.0						X		X	X		X				X								
ZZZZZZ	1	0000	0.0						X		X	X		X				X								
ZZZZZZ	1	0000	0.0																						X	
ZZZZZZ	1	0000	0.0																						X	

ANALYSIS RUN LOG

Lab Name: REI Consultants Inc. Contract: Waste T

Lab Code: REIC Case No. 4807 SAS No.: Minden SDG No.: 0110508

Instrument ID Number: Spec20 Method: CV

Start Date: 10/23/01 End Date: 10/23/01

EPA Sample No.	D/F	Time	% R	Analytes																						
				AL	SB	AS	BA	BE	CD	CA	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1	0800	0.0														X									
S1	1	0802	0.0														X									
S2	1	0804	0.0														X									
S3	1	0806	0.0														X									
S4	1	0808	0.0														X									
S5	1	0810	0.0														X									
ICV	1	0812	0.0														X									
ICB	1	0814	0.0														X									
PBS	1	0820	0.0														X									
LCSS	1	0822	0.0														X									
SAMPLE DI	1	0824	0.0														X									
SAMPLE DI	1	0826	0.0														X									
SAMPLE DI	1	0828	0.0														X									
CCB	1	0830	0.0														X									
CCV	1	0832	0.0														X									

Well Purge Water

Mr. Gary Cooper

Waste-Tron Inc.

Project ID: Minden WV - #4807

-Level II Data Package-

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- *Case Narrative*
- *Analytical Results*
- *Chain-of-Custody*
- *Level II QC Summary*

REI Consultants, Inc. PO Box 286 Beaver WV 25813 1-800-999-0105 fax: 1-304-255-2572 e-mail: rlabs@reiclabs.com

Waste-Tron Inc.

REIC Work Order: 0112641

Case Narrative

REI Consultants, Inc. PO Box 286 Beaver WV 25813 1-800-999-0105 fax: 1-304-255-2572 e-mail: rlabs@reiclabs.com

REI Consultants Inc. **Date:** *08-Jan-02*

CLIENT: WASTE-TRON INC
Project: 4807
Lab Order: 0112641

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references: Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition.

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives. No problems or anomalies were noted during analyses. Please consult following pages for further information pertaining to analysis dates, dilution factors (DF), etc.

REI Consultants Inc.

Date: *07-Jan-02*

CLIENT: WASTE-TRON INC
Project: 4807
Lab Order: 0112641
Date Received: 12/19/01

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
0112641-01A	WELL 2		12/18/01
0112641-02A	WELL 6		12/18/01
0112641-03A	WELL 12		12/18/01
0112641-04A	WELL 14		12/18/01

Lab Order: 0112641
Client: WASTE-TRON INC
Project: 4807

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Batch	Prep Date	DF	Analysis Date
0112641-01A	WELL 2	12/18/01	Liquid	PCBS by 8082	12308	1/2/02	1	1/2/02
0112641-02A	WELL 6			PCBS by 8082	12308	1/2/02	1	1/2/02
0112641-03A	WELL 12			PCBS by 8082	12308	1/2/02	1	1/2/02
0112641-04A	WELL 14			PCBS by 8082	12308	1/2/02	1	1/2/02

Waste-Tron Inc.

REIC Work Order: 0112641

Analytical Results

REI Consultants, Inc. PO Box 286 Beaver WV 25813 1-800-999-0105 fax: 1-304-255-2572 e-mail: rlabs@reiclabs.com

REIC

RESEARCH ENVIRONMENTAL & INDUSTRIAL CONSULTANTS, INC.

Improving the environment, one client at a time...

Post Office Box 286 • Beaver, WV 25813 • 800.999.0105
304.255.2500 • 304.255.2572(fax)
website: www.reiclabs.com

January 03, 2002

Mr. Gary Cooper
WASTE-TRON INC
RR 1 BOX 33B
POCA, WV 25159
TEL: (304) 687-2261
FAX (304) 755-1099

RE: 4807 Order No.: 0112641

Dear Mr. Gary Cooper,

REI Consultants Inc. received 4 samples on 12/19/01 for the analyses presented in the following report.

If you have any questions regarding these results, please do not hesitate to call.

Sincerely,

Vice President

CC:

REI Consultants Inc.

Date: 03-Jan-02

Client: WASTE-TRON INC
Client Sample ID: WELL 2
Project: 4807
Site ID: MINDEN WV

Lab Order: 0112641
Lab ID: 0112641-01A
Collection Date: 12/18/01
Matrix: LIQUID

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
PCBS		**SW8082**					
Aroclor 1016	ND	mg/L	NA	0.00113		01/02/02	LE
Aroclor 1221	ND	mg/L	NA	0.00113		01/02/02	LE
Aroclor 1232	ND	mg/L	NA	0.00113		01/02/02	LE
Aroclor 1242	ND	mg/L	NA	0.00113		01/02/02	LE
Aroclor 1248	ND	mg/L	NA	0.00113		01/02/02	LE
Aroclor 1254	ND	mg/L	NA	0.00113		01/02/02	LE
Aroclor 1260	ND	mg/L	NA	0.00113		01/02/02	LE
Surr: Decachlorobiphenyl	104	%REC	NA	30-130		01/02/02	LE

Abbreviations:
ND - Not Detected at the PQL or MDL
PQL - Practical Quantitation Limit
MDL - Minimum Detection Limit
NA - Not Applicable

Qualifiers:
J - Analyte detected below PQL
S - Spike Recovery outside accepted recovery limits
E - Value above quantitation range
* - Value exceeds Maximum Contaminant Level

REI Consultants Inc.

Date: 03-Jan-02

Client: WASTE-TRON INC
Client Sample ID: WELL 6
Project: 4807
Site ID: MINDEN WV

Lab Order: 0112641
Lab ID: 0112641-02A
Collection Date: 12/18/01
Matrix: LIQUID

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
PCBS		**SW8082**					
Aroclor 1016	ND	mg/L	NA	0.00140		01/02/02	LE
Aroclor 1221	ND	mg/L	NA	0.00140		01/02/02	LE
Aroclor 1232	ND	mg/L	NA	0.00140		01/02/02	LE
Aroclor 1242	ND	mg/L	NA	0.00140		01/02/02	LE
Aroclor 1248	ND	mg/L	NA	0.00140		01/02/02	LE
Aroclor 1254	ND	mg/L	NA	0.00140		01/02/02	LE
Aroclor 1260	ND	mg/L	NA	0.00140		01/02/02	LE
Surr: Decachlorobiphenyl	114	%REC	NA	30-130		01/02/02	LE

Abbreviations:
ND - Not Detected at the PQL or MDL
PQL - Practical Quantitation Limit
MDL - Minimum Detection Limit
NA - Not Applicable

Qualifiers:
J - Analyte detected below PQL
S - Spike Recovery outside accepted recovery limits
E - Value above quantitation range
* - Value exceeds Maximum Contaminant Level

REI Consultants Inc.

Date: 03-Jan-02

Client: WASTE-TRON INC
Client Sample ID: WELL 12
Project: 4807
Site ID: MINDEN WV

Lab Order: 0112641
Lab ID: 0112641-03A
Collection Date: 12/18/01
Matrix: LIQUID

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
PCBS		**SW8082**					
Aroclor 1016	ND	mg/L	NA	0.00124		01/02/02	LE
Aroclor 1221	ND	mg/L	NA	0.00124		01/02/02	LE
Aroclor 1232	ND	mg/L	NA	0.00124		01/02/02	LE
Aroclor 1242	ND	mg/L	NA	0.00124		01/02/02	LE
Aroclor 1248	ND	mg/L	NA	0.00124		01/02/02	LE
Aroclor 1254	ND	mg/L	NA	0.00124		01/02/02	LE
Aroclor 1260	ND	mg/L	NA	0.00124		01/02/02	LE
Surr: Decachlorobiphenyl	124	%REC	NA	30-130		01/02/02	LE

Abbreviations:
ND - Not Detected at the PQL or MDL
PQL - Practical Quantitation Limit
MDL - Minimum Detection Limit
NA - Not Applicable

Qualifiers:
J - Analyte detected below PQL
S - Spike Recovery outside accepted recovery limits
E - Value above quantitation range
* - Value exceeds Maximum Contaminant Level

REI Consultants Inc.

Date: 03-Jan-02

Client: WASTE-TRON INC
Client Sample ID: WELL 14
Project: 4807
Site ID: MINDEN WV

Lab Order: 0112641
Lab ID: 0112641-04A
Collection Date: 12/18/01
Matrix: LIQUID

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
PCBS		**SW8082**					
Aroclor 1016	ND	mg/L	NA	0.00176		01/02/02	LE
Aroclor 1221	ND	mg/L	NA	0.00176		01/02/02	LE
Aroclor 1232	ND	mg/L	NA	0.00176		01/02/02	LE
Aroclor 1242	ND	mg/L	NA	0.00176		01/02/02	LE
Aroclor 1248	ND	mg/L	NA	0.00176		01/02/02	LE
Aroclor 1254	ND	mg/L	NA	0.00176		01/02/02	LE
Aroclor 1260	0.0137	mg/L	NA	0.00176		01/02/02	LE
Surr: Tetrachloro-m-xylene	110	%REC	NA	30-130		01/02/02	LE

Abbreviations:
ND - Not Detected at the PQL or MDL
PQL - Practical Quantitation Limit
MDL - Minimum Detection Limit
NA - Not Applicable

Qualifiers:
J - Analyte detected below PQL
S - Spike Recovery outside accepted recovery limits
E - Value above quantitation range
* - Value exceeds Maximum Contaminant Level

REI Consultants Inc. **Date:** 03-Jan-02

CLIENT: WASTE-TRON INC **Lab Order:** 0112641
Project: 4807
Site ID: MINDEN WV

Data Review

Approved: Joseph Robertson 1-3-02
Organic Department Manager Date

Abbreviations:	ND - Not Detected at the PQL or MDL	**Qualifiers:**	J - Analyte detected below PQL
	PQL - Practical Quantitation Limit		S - Spike Recovery outside accepted recovery limits
	MDL - Minimum Detection Limit		E - Value above quantitation range
	NA - Not Applicable		* - Value exceeds Maximum Contaminant Level

Waste-Tron Inc.

REIC Work Order: 0112641

Chain-of-Custody

REI Consultants, Inc. PO Box 286 Beaver WV 25813 1-800-999-0105 fax: 1-304-255-2572 e-mail: rlabs@reiclabs.com

REIC

CHAIN OF CUSTODY RECORD NO. 1 471

REI Consultants, Inc.
225 Industrial Park Rd.
P.O. Box 286, Beaver, WV 25813
Phone: 304-255-2500 or 800-999-0105
FAX: 304-255-2572
e-mail: rlabs@reiclabs.com

CLIENT: WASTETRON
ADDRESS:
CITY/STATE/ZIP:
BILL TO:
CITY/STATE/ZIP:
PURCHASE ORDER #
QUOTE #

CONTACT PERSON: GARY COOPER
TELEPHONE #: 753 6448
FAX #:
E-MAIL ADDRESS:
SITE ID & STATE: MINDEN WV
PROJECT ID: 4807
SAMPLER:

SAMPLE LOG AND ANALYSIS REQUEST

TURNAROUND TIME REQUIREMENTS
REGULAR: ✓
*RUSH: ___ 5-Day ___ 3-Day ___ 2-Day ___ 1-Day
*Rush work needs prior Laboratory approval and will include surcharges

PRESERVATIVES
0 No Preservative
1 Hydrochloric Acid
2 Nitric Acid
3 Sulfuric Acid
4 Sodium Thiosulfate
5 Sodium Hydroxide
6 Zinc Acetate
7 EDTA

PRESERVATIVE CODES — NOTE PRESERVATIVES →

SAMPLE ID	NO. & TYPE OF CONTAINERS	SAMPLING DATE / TIME	MATRIX	SAMPLE COMP / GRAB	ANALYSIS REQUESTED & METHOD	COMMENTS
WELL 2	1-CANNY JAR	12/18/01	LIQ	G	✓	MONITORING WELLS
WELL 6	"	"	"	"	✓	
WELL 12	"	"	"	"	✓	
WELL 14	"	"	"	"	✓	

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	12/19/01 8:30						
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Temperature Upon Arrival			
			12/19/01	2.4			

☐ FAX Results ☐ Email Results

8:30

Waste-Tron Inc.

REIC Work Order: 0112641

Level II QC Summary

REI Consultants, Inc. PO Box 286 Beaver WV 25813 1-800-999-0105 fax: 1-304-255-2572 e-mail: rlabs@reiclabs.com

Polychlorinated Biphenyls: 8082

Level II QC Summary

REI Consultants Inc.

Date: *07-Jan-02*

CLIENT: WASTE-TRON INC
Work Order: 0112641
Project: 4807

QC SUMMARY REPORT

Method Blank

Sample ID: **MB-12308** Batch ID: **12308** Test Code: **SW8082** Units: **mg/L** Analysis Date **1/2/02** Prep Date: **1/2/02**

Client ID: Run ID: **SVGC1_020102A** SeqNo: **510151**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.000500									
Aroclor 1221	ND	0.000500									
Aroclor 1232	ND	0.000500									
Aroclor 1242	ND	0.000500									
Aroclor 1248	ND	0.000500									
Aroclor 1254	ND	0.000500									
Aroclor 1260	ND	0.000500									
Surr: Tetrachloro-m-xylene	0.00255	0	0.002	0	128	30	130	0			

Qualifiers: ND - Not Detected at the PQL
J - Analyte detected below PQL
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

REI Consultants Inc.

Date: *07-Jan-02*

CLIENT: WASTE-TRON INC
Work Order: 0112641
Project: 4807

QC SUMMARY REPORT
Laboratory Control Spike - generic

Sample ID: **LCS-12308** Batch ID: **12308** Test Code: **SW8082** Units: **mg/L** Analysis Date **1/2/02** Prep Date: **1/2/02**
Client ID: Run ID: **SVGC1_020102A** SeqNo: **510171**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.00997	0.000500	0.01	0	99.7	70	130	0			
Surr: Tetrachloro-m-xylene	0.00256	0	0.002	0	128	30	130	0			

Sample ID: **LCSD-12308** Batch ID: **12308** Test Code: **SW8082** Units: **mg/L** Analysis Date **1/2/02** Prep Date: **1/2/02**
Client ID: Run ID: **SVGC1_020102A** SeqNo: **510172**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.0122	0.000500	0.01	0	122	70	130	0.00997	20.1	30	
Surr: Tetrachloro-m-xylene	0.00249	0	0.002	0	124	30	130	0.00256	0		

Qualifiers:
ND - Not Detected at the PQL
J - Analyte detected below PQL
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

REI Consultants Inc.

Date: *07-Jan-02*

CLIENT: WASTE-TRON INC
Work Order: 0112641
Project: 4807

QC SUMMARY REPORT

Approved By: _____ **Date:** 1-08-02
QC Officer

Qualifiers:
ND - Not Detected at the PQL
J - Analyte detected below PQL
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

Decontamination Pad

Mr. Gary Cooper

Waste-Tron Inc.

Project ID: Decon Pad, Minden WV-#4807

-Level II Data Package-

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- *Case Narrative*
- *Analytical Results*
- *Chain-of-Custody*
- *Level II QC Summary*

REI Consultants, Inc. PO Box 286 Beaver WV 25813 1-800-999-0105 fax: 1-304-255-2572 e-mail: rlabs@reiclabs.com

Waste-Tron Inc.

REIC Work Order: 0112014

Case Narrative

REI Consultants, Inc. PO Box 286 Beaver WV 25813 1-800-999-0105 fax: 1-304-255-2572 e-mail: rlabs@reiclabs.com

REI Consultants Inc. **Date:** *19-Dec-01*

CLIENT: WASTE-TRON INC
Project: DECON PAD
Lab Order: 0112014

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references: Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition.

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives. No problems or anomalies were noted. Please consult following pages for further information pertaining to analysis dates, dilution factors (DF), etc.

REI Consultants Inc.

Date: *18-Dec-01*

CLIENT: WASTE-TRON INC
Project: DECON PAD
Lab Order: 0112014
Date Received: 12/3/01

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
0112014-01A	DECON PAD		12/3/01

REI Consultants Inc.

Lab Order: 0112014
Client: WASTE-TRON INC
Project: DECON PAD

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Batch	Prep Date	DF	Analysis Date
0112014-01A	DECON PAD	12/3/01	Soil	PCBS by 8082	12052	12/10/01	1	12/12/01

Waste-Tron Inc.

REIC Work Order: 0112014

Analytical Results

REI Consultants, Inc. PO Box 286 Beaver WV 25813 1-800-999-0105 fax: 1-304-255-2572 e-mail: rlabs@reiclabs.com

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304.255.2500 • 304.255.2572(fax)

website: www.reiclabs.com

December 13, 2001

Mr. Gary Cooper
WASTE-TRON INC
RR 1 BOX 33B
POCA, WV 25159
TEL: (304) 687-2261
FAX (304) 755-1099

RE: DECON PAD Order No.: 0112014

Dear Mr. Gary Cooper,

REI Consultants Inc. received 1 sample on 12/3/01 for the analyses presented in the following report.

If you have any questions regarding these results, please do not hesitate to call.

Sincerely,

Vice President

CC:

REI Consultants Inc.

Date: 13-Dec-01

Client:	WASTE-TRON INC	**Lab Order:**	0112014
Client Sample ID:	DECON PAD	**Lab ID:**	0112014-01A
Project:	DECON PAD	**Collection Date:**	12/3/01
Site ID:	MINDEN WV	**Matrix:**	SOIL

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
PCBS		**SW8082**					
Aroclor 1016	ND	mg/Kg	NA	0.20		12/12/01	LE
Aroclor 1221	ND	mg/Kg	NA	0.20		12/12/01	LE
Aroclor 1232	ND	mg/Kg	NA	0.20		12/12/01	LE
Aroclor 1242	ND	mg/Kg	NA	0.20		12/12/01	LE
Aroclor 1248	ND	mg/Kg	NA	0.20		12/12/01	LE
Aroclor 1254	ND	mg/Kg	NA	0.20		12/12/01	LE
Aroclor 1260	0.93	mg/Kg	NA	0.20		12/12/01	LE
Surr: Tetrachloro-m-xylene	107	%REC	NA	30-130		12/12/01	LE

Abbreviations:
ND - Not Detected at the PQL or MDL
PQL - Practical Quantitation Limit
MDL - Minimum Detection Limit
NA - Not Applicable

Qualifiers:
J - Analyte detected below PQL
S - Spike Recovery outside accepted recovery limits
E - Value above quantitation range
* - Value exceeds Maximum Contaminant Level

REI Consultants Inc.

Date: 13-Dec-01

CLIENT: WASTE-TRON INC
Lab Order: 0112014
Project: DECON PAD
Site ID: MINDEN WV

Data Review

Approved: _____ 12-13-01
Organic Department Manager — Date

Abbreviations:	ND - Not Detected at the PQL or MDL	**Qualifiers:**	J - Analyte detected below PQL
	PQL - Practical Quantitation Limit		S - Spike Recovery outside accepted recovery limits
	MDL - Minimum Detection Limit		E - Value above quantitation range
	NA - Not Applicable		* - Value exceeds Maximum Contaminant Level

Waste-Tron Inc.

REIC Work Order: 0112014

Chain-of-Custody

REI Consultants, Inc. PO Box 286 Beaver WV 25813 1-800-999-0105 fax: 1-304-255-2572 e-mail: rlabs@reiclabs.com

CHAIN OF CUSTODY RECORD NO. 11 5

REIC

IEI Consultants, Inc.
225 Industrial Park Rd.
P.O. Box 286, Beaver, WV 25813
Phone: 304-255-2500 or 800-999-0105
FAX: 304-255-2572
e-mail: rlabs@reiclabs.com

CLIENT: Wastron
ADDRESS: Rt 2 Box 33 B
CITY/STATE/ZIP: Poca WV 25159
BILL TO: Wastron
CITY/STATE/ZIP:
PURCHASE ORDER # 4807
QUOTE #

CONTACT PERSON: Gary Cooper
TELEPHONE #: 304 755-8948
FAX #: 304 755-1099
E-MAIL ADDRESS:
SITE ID & STATE: Minden WV
PROJECT ID: Decon Pad
SAMPLER:

SAMPLE LOG AND ANALYSIS REQUEST

TURNAROUND TIME REQUIREMENTS
REGULAR: X
*RUSH: ___ 5-Day ___ 3-Day ___ 2-Day ___ 1-Day
*Rush work needs prior Laboratory approval and will include surcharges

PRESERVATIVES
0 No Preservative
1 Hydrochloric Acid
2 Nitric Acid
3 Sulfuric Acid
4 Sodium Thiosulfate
5 Sodium Hydroxide
6 Zinc Acetate
7 EDTA

PRESERVATIVE CODES
NOTE PRESERVATIVES →
ANALYSIS REQUESTED & METHOD

SAMPLE ID	NO. & TYPE OF CONTAINERS	SAMPLING DATE / TIME	MATRIX	SAMPLE COMP / GRAB	COMMENTS
Decon Pad	1 900z Jar	12-3-01 11:30 Am	Soil		

Gary Cooper — 12/3/01 1240 — Relinquished by: (Signature) — Date/Time — Received by: (Signature)

Relinquished by: (Signature) — Date/Time — Received by: (Signature) — 12/5/01 — Date/Time

Relinquished by: (Signature) — Date/Time — Received by: (Signature) — Date/Time

Temperature Upon Arrival 2.9 °C

☐ FAX Results ☐ Email Results

Waste-Tron Inc.

REIC Work Order: 0112014

Level II QC Summary

REI Consultants, Inc. PO Box 286 Beaver WV 25813 1-800-999-0105 fax: 1-304-255-2572 e-mail: rlabs@reiclabs.com

Polychlorinated Biphenyls: 8082

Level II QC Summary

REI Consultants Inc.

Date: *18-Dec-01*

CLIENT: WASTE-TRON INC
Work Order: 0112014
Project: DECON PAD

QC SUMMARY REPORT
Method Blank

Sample ID: **MB-12052** Batch ID: **12052** Test Code: **SW8082** Units: **mg/Kg** Analysis Date **12/12/01 12:02:51 AM** Prep Date: **12/10/01**
Client ID: Run ID: **SVGC1_011211C** SeqNo: **499801**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.100									
Aroclor 1221	ND	0.100									
Aroclor 1232	ND	0.100									
Aroclor 1242	ND	0.100									
Aroclor 1248	ND	0.100									
Aroclor 1254	ND	0.100									
Aroclor 1260	ND	0.100									
Surr: Tetrachloro-m-xylene	0.074	0	0.066	0	112	30	130	0			

Qualifiers:
ND - Not Detected at the PQL
J - Analyte detected below PQL
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

REI Consultants Inc.

Date: *18-Dec-01*

CLIENT: WASTE-TRON INC
Work Order: 0112014
Project: DECON PAD

QC SUMMARY REPORT
Sample Matrix Spike

Sample ID: **0112197-01A MS** Batch ID: **12052** Test Code: **SW8082** Units: **mg/Kg** Analysis Date **12/12/01 6:00:47 AM** Prep Date: **12/10/01**
Client ID: Run ID: **SVGC1_011211C** SeqNo: **499808**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.374	0.0993	0.3308	0	113	70	130	0			
Surr: Tetrachloro-m-xylene	0.0672	0	0.06556	0	103	30	130	0			

Sample ID: **0112197-01A MSD** Batch ID: **12052** Test Code: **SW8082** Units: **mg/Kg** Analysis Date **12/12/01 6:24:29 AM** Prep Date: **12/10/01**
Client ID: Run ID: **SVGC1_011211C** SeqNo: **499809**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.387	0.0993	0.3308	0	117	70	130	0.3742	3.48	30	
Surr: Tetrachloro-m-xylene	0.0679	0	0.06556	0	104	30	130	0.06722	0	0	

Qualifiers:
ND - Not Detected at the PQL
J - Analyte detected below PQL
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

REI Consultants Inc.

Date: *18-Dec-01*

CLIENT: WASTE-TRON INC
Work Order: 0112014
Project: DECON PAD

QC SUMMARY REPORT

Approved By: _____ **Date:** 12-19-01
QC Officer

Qualifiers:
ND - Not Detected at the PQL
J - Analyte detected below PQL
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

REIC

RESEARCH ENVIRONMENTAL & INDUSTRIAL CONSULTANTS, INC.

Improving the environment, one client at a time...

Post Office Box 286 • Beaver, WV 25813 • 800.999.0105

304.255.2500 • 304.255.2572(fax)

website: www.reiclabs.com

December 13, 2001

Mr. Gary Cooper
WASTE-TRON INC
RR 1 BOX 33B
POCA, WV 25159
TEL: (304) 687-2261
FAX (304) 755-1099

RE: DECON PAD Order No.: 0112014

Dear Mr. Gary Cooper,

REI Consultants Inc. received 1 sample on 12/3/01 for the analyses presented in the following report.

If you have any questions regarding these results, please do not hesitate to call.

Sincerely,

Vice President

CC:

REI Consultants Inc.

Date: 13-Dec-01

Client: WASTE-TRON INC
Client Sample ID: DECON PAD
Project: DECON PAD
Site ID: MINDEN WV

Lab Order: 0112014
Lab ID: 0112014-01A
Collection Date: 12/3/01
Matrix: SOIL

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
PCBS		**SW8082**					
Aroclor 1016	ND	mg/Kg	NA	0.20		12/12/01	LE
Aroclor 1221	ND	mg/Kg	NA	0.20		12/12/01	LE
Aroclor 1232	ND	mg/Kg	NA	0.20		12/12/01	LE
Aroclor 1242	ND	mg/Kg	NA	0.20		12/12/01	LE
Aroclor 1248	ND	mg/Kg	NA	0.20		12/12/01	LE
Aroclor 1254	ND	mg/Kg	NA	0.20		12/12/01	LE
Aroclor 1260	0.93	mg/Kg	NA	0.20		12/12/01	LE
Surr: Tetrachloro-m-xylene	107	%REC	NA	30-130		12/12/01	LE

Abbreviations:
ND - Not Detected at the PQL or MDL
PQL - Practical Quantitation Limit
MDL - Minimum Detection Limit
NA - Not Applicable

Qualifiers:
J - Analyte detected below PQL
S - Spike Recovery outside accepted recovery limits
E - Value above quantitation range
* - Value exceeds Maximum Contaminant Level

REI Consultants Inc.

Date: 13-Dec-01

CLIENT: WASTE-TRON INC
Lab Order: 0112014
Project: DECON PAD
Site ID: MINDEN WV

Data Review

Approved: _____ 12-13-01
Organic Department Manager — Date

Abbreviations:	ND - Not Detected at the PQL or MDL	**Qualifiers:**	J - Analyte detected below PQL
	PQL - Practical Quantitation Limit		S - Spike Recovery outside accepted recovery limits
	MDL - Minimum Detection Limit		E - Value above quantitation range
	NA - Not Applicable		* - Value exceeds Maximum Contaminant Level

CHAIN OF CUSTODY RECORD NO. 1 1864

REIC

REI Consultants, Inc.
225 Industrial Park Rd.
P.O. Box 286, Beaver, WV 25813
Phone: 304-255-2500 or 800-999-0105
FAX: 304-255-2572
e-mail: rlabs@reiclabs.com

CLIENT: Wastetron
ADDRESS: Rt2 Box 33B
CITY/STATE/ZIP: POCA WV 25159
BILL TO: Wastetron
CITY/STATE/ZIP:
PURCHASE ORDER # 4807
QUOTE #

CONTACT PERSON: Gary Cooper
TELEPHONE #: 304 755-8448
FAX #: 304 755-1099
E-MAIL ADDRESS:
SITE ID & STATE: Minden WV
PROJECT ID: Decon Pad
SAMPLER:

SAMPLE LOG AND ANALYSIS REQUEST

TURNAROUND TIME REQUIREMENTS
REGULAR: X
*RUSH: ___ 5-Day ___ 3-Day ___ 2-Day ___ 1-Day
*Rush work needs prior Laboratory approval and will include surcharges

PRESERVATIVES
0 No Preservative
1 Hydrochloric Acid
2 Nitric Acid
3 Sulfuric Acid
4 Sodium Thiosulfate
5 Sodium Hydroxide
6 Zinc Acetate
7 EDTA

PRESERVATIVE CODES — NOTE PRESERVATIVES →

SAMPLE ID	NO. & TYPE OF CONTAINERS	SAMPLING DATE / TIME	MATRIX	SAMPLE COMP / GRAB	ANALYSIS REQUESTED & METHOD	COMMENTS
Decon Pad	1 40z Jar	12-3-01 11:30 am	Soil		X	

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Mary Cooper	12/3/01 1240						
			12/3/01 17:40				

Temperature Upon Arrival 2.9 °C

☐ FAX Results ☐ Email Results

Equipment Wipe Samples

Mr. Gary Cooper

Waste-Tron Inc.

Project ID: USACE Shaffer Site, Minden WV-#4807

-Level II Data Package-

Index

- *Case Narrative*
- *Analytical Results*
- *Chain-of-Custody*
- *Level II QC Summary*

REI Consultants, Inc. PO Box 286 Beaver WV 25813 1-800-999-0105 fax: 1-304-255-2572 e-mail: rlabs@reiclabs.com

Waste-Tron Inc.

REIC Work Order: 0111722

Case Narrative

REI Consultants, Inc. PO Box 286 Beaver WV 25813 1-800-999-0105 fax: 1-304-255-2572 e-mail: rlabs@reiclabs.com

REI Consultants Inc. **Date:** 19-Dec-01

CLIENT: WASTE-TRON INC
Project: 4807
Lab Order: 0111722

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references: Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition.

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives. No problems were noted during analyses. Please consult following pages for further information pertaining to anlaysis dates, dilution factors (DF), etc.

REI Consultants Inc.

Date: *18-Dec-01*

CLIENT: WASTE-TRON INC
Project: 4807
Lab Order: 0111722
Date Received: 11/27/01

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
0111722-01A	112701J001 EXCAVTOR		11/27/01
0111722-02A	112701J002 ROLLER		11/27/01
0111722-03A	112701J003 AUGER		11/27/01

REI Consultants Inc.

DATES REPORT

Lab Order: 0111722
Client: WASTE-TRON INC
Project: 4807

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Batch	Prep Date	DF	Analysis Date
0111722-01A	112701J001 EXCAVTOR	11/27/01	Wipe	PCBS by 8082 (Wipe)	11868	11/28/01	1	11/28/01
0111722-02A	112701J002 ROLLER			PCBS by 8082 (Wipe)	11868	11/28/01	1	11/28/01
0111722-03A	112701J003 AUGER			PCBS by 8082 (Wipe)	11868	11/28/01	1	11/28/01

Waste-Tron Inc.

REIC Work Order: 0111722

Analytical Results

REI Consultants, Inc. PO Box 286 Beaver WV 25813 1-800-999-0105 fax: 1-304-255-2572 e-mail: rlabs@reiclabs.com

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Post Office Box 286 • Beaver, WV 25813 • 800.999.0105

304.255.2500 • 304.255.2572(fax)

website: www.reiclabs.com

November 30, 2001

Mr. Gary Cooper
WASTE-TRON INC
RR 1 BOX 33B
POCA, WV 25159
TEL: (304) 687-2261
FAX (304) 755-1099

RE: 4807 Order No.: 0111722

Dear Mr. Gary Cooper,

REI Consultants Inc. received 3 samples on 11/27/01 for the analyses presented in the following report.

If you have any questions regarding these results, please do not hesitate to call.

Sincerely,

Vice President

CC:

REI Consultants Inc.

Date: 30-Nov-01

Client:	WASTE-TRON INC	**Lab Order:**	0111722
Client Sample ID:	112701J001 EXCAVTOR	**Lab ID:**	0111722-01A
Project:	4807	**Collection Date:**	11/27/01
Site ID:	SHAFFER SITE MINDON WV	**Matrix:**	WIPE

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
SEMIVOLATILE ORGANIC COMPOUNDS-PCBS		**SW8082**					
Aroclor 1016	ND	µg, Total	NA	0.250		11/28/01	LE
Aroclor 1221	ND	µg, Total	NA	0.250		11/28/01	LE
Aroclor 1232	ND	µg, Total	NA	0.250		11/28/01	LE
Aroclor 1242	ND	µg, Total	NA	0.250		11/28/01	LE
Aroclor 1248	ND	µg, Total	NA	0.250		11/28/01	LE
Aroclor 1254	ND	µg, Total	NA	0.250		11/28/01	LE
Aroclor 1260	ND	µg, Total	NA	0.250		11/28/01	LE
Surr: tetrachloro-m-xylene	93	%REC	NA	30-130		11/28/01	LE

Abbreviations:
ND - Not Detected at the PQL or MDL
PQL - Practical Quantitation Limit
MDL - Minimum Detection Limit
NA - Not Applicable

Qualifiers:
J - Analyte detected below PQL
S - Spike Recovery outside accepted recovery limits
E - Value above quantitation range
* - Value exceeds Maximum Contaminant Level

REI Consultants Inc.

Date: 30-Nov-01

Client: WASTE-TRON INC
Client Sample ID: 112701J002 ROLLER
Project: 4807
Site ID: SHAFFER SITE MINDON WV

Lab Order: 0111722
Lab ID: 0111722-02A
Collection Date: 11/27/01
Matrix: WIPE

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
SEMIVOLATILE ORGANIC COMPOUNDS-PCBS		**SW8082**					
Aroclor 1016	ND	µg, Total	NA	0.250		11/28/01	LE
Aroclor 1221	ND	µg, Total	NA	0.250		11/28/01	LE
Aroclor 1232	ND	µg, Total	NA	0.250		11/28/01	LE
Aroclor 1242	ND	µg, Total	NA	0.250		11/28/01	LE
Aroclor 1248	ND	µg, Total	NA	0.250		11/28/01	LE
Aroclor 1254	ND	µg, Total	NA	0.250		11/28/01	LE
Aroclor 1260	ND	µg, Total	NA	0.250		11/28/01	LE
Surr: tetrachloro-m-xylene	63	%REC	NA	30-130		11/28/01	LE

Abbreviations:
ND - Not Detected at the PQL or MDL
PQL - Practical Quantitation Limit
MDL - Minimum Detection Limit
NA - Not Applicable

Qualifiers:
J - Analyte detected below PQL
S - Spike Recovery outside accepted recovery limits
E - Value above quantitation range
* - Value exceeds Maximum Contaminant Level

REI Consultants Inc.

Date: 30-Nov-01

Client:	WASTE-TRON INC	**Lab Order:**	0111722
Client Sample ID:	112701J003 AUGER	**Lab ID:**	0111722-03A
Project:	4807	**Collection Date:**	11/27/01
Site ID:	SHAFFER SITE MINDON WV	**Matrix:**	WIPE

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
SEMIVOLATILE ORGANIC COMPOUNDS-PCBS		**SW8082**					
Aroclor 1016	ND	µg, Total	NA	0.250		11/28/01	LE
Aroclor 1221	ND	µg, Total	NA	0.250		11/28/01	LE
Aroclor 1232	ND	µg, Total	NA	0.250		11/28/01	LE
Aroclor 1242	ND	µg, Total	NA	0.250		11/28/01	LE
Aroclor 1248	ND	µg, Total	NA	0.250		11/28/01	LE
Aroclor 1254	ND	µg, Total	NA	0.250		11/28/01	LE
Aroclor 1260	ND	µg, Total	NA	0.250		11/28/01	LE
Surr: tetrachloro-m-xylene	64	%REC	NA	30-130		11/28/01	LE

Abbreviations:
ND - Not Detected at the PQL or MDL
PQL - Practical Quantitation Limit
MDL - Minimum Detection Limit
NA - Not Applicable

Qualifiers:
J - Analyte detected below PQL
S - Spike Recovery outside accepted recovery limits
E - Value above quantitation range
* - Value exceeds Maximum Contaminant Level

REI Consultants Inc.

Date: 30-Nov-01

CLIENT: WASTE-TRON INC
Lab Order: 0111722
Project: 4807
Site ID: SHAFFER SITE MINDON WV

Data Review

Approved: _____ 11-30
Organic Department Manager
Date

Abbreviations:
ND - Not Detected at the PQL or MDL
PQL - Practical Quantitation Limit
MDL - Minimum Detection Limit
NA - Not Applicable

Qualifiers:
J - Analyte detected below PQL
S - Spike Recovery outside accepted recovery limits
E - Value above quantitation range
* - Value exceeds Maximum Contaminant Level

Waste-Tron Inc.

REIC Work Order: 0111722

Chain-of-Custody

REI Consultants, Inc. PO Box 286 Beaver WV 25813 1-800-999-0105 fax: 1-304-255-2572 e-mail: rlabs@reiclabs.com

REIC

CHAIN OF CUSTODY RECORD NO. 107-78

REI Consultants, Inc.
225 Industrial Park Rd.
P.O. Box 286, Beaver, WV 25813
Phone: 304-255-2500 or 800-999-0105
FAX: 304-255-2572
e-mail: rlabs@reiclabs.com

CLIENT: Wastetron Inc
ADDRESS: Rt 2 Box 33B
CITY/STATE/ZIP: Pca WV 25159
BILL TO: Same
CITY/STATE/ZIP:
PURCHASE ORDER #
QUOTE #

CONTACT PERSON: Gary Cooper
TELEPHONE #: 755-8446
FAX #: 755-1099
E-MAIL ADDRESS:
SITE ID & STATE: Shaffer Site Mapen WV
PROJECT ID: 4807
SAMPLER: James Goheen

SAMPLE LOG AND ANALYSIS REQUEST

TURNAROUND TIME REQUIREMENTS
REGULAR: —
*RUSH: — 5-Day, X 3-Day, — 2-Day, — 1-Day
*Rush work needs prior Laboratory approval and will include surcharges

PRESERVATIVES
0 No Preservative
1 Hydrochloric Acid
2 Nitric Acid
3 Sulfuric Acid
4 Sodium Thiosulfate
5 Sodium Hydroxide
6 Zinc Acetate
7 EDTA

PRESERVATIVE CODES — NOTE PRESERVATIVES →

SAMPLE ID	NO. & TYPE OF CONTAINERS	SAMPLING DATE / TIME	MATRIX	SAMPLE COMP / GRAB	ANALYSIS REQUESTED & METHOD	COMMENTS
112701J601	1-4oz	11-27	Wipes	G	✓	Excavator
112701J602	1-4oz	11	Wipes	G	✓	Roller
112701J603	1-4oz	11	Wipes	G	✓	Auger

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
James E Goheen	11/27	1:00PM					

Temperature Upon Arrival 2.9 °C

☒ FAX Results ☐ Email Results

Waste-Tron Inc.

REIC Work Order: 0111722

Level II QC Summary

REI Consultants, Inc. PO Box 286 Beaver WV 25813 1-800-999-0105 fax: 1-304-255-2572 e-mail: rlabs@reiclabs.com

Polychlorinated Biphenyls: 8082

Level II QC Summary

REI Consultants Inc.

Date: *18-Dec-01*

CLIENT: WASTE-TRON INC
Work Order: 0111722
Project: 4807

QC SUMMARY REPORT
Method Blank

Sample ID: **MB-11868** Batch ID: **11868** Test Code: **SW8082** Units: **µg, Total** Analysis Date **11/28/01** Prep Date: **11/28/01**
Client ID: Run ID: **SVGC1_011128A** SeqNo: **491287**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.250									
Aroclor 1221	ND	0.250									
Aroclor 1232	ND	0.250									
Aroclor 1242	ND	0.250									
Aroclor 1248	ND	0.250									
Aroclor 1254	ND	0.250									
Aroclor 1260	ND	0.250									
Surr: tetrachloro-m-xylene	1.95	0	2	0	97.5	30	130	0			

Qualifiers: ND - Not Detected at the PQL
J - Analyte detected below PQL
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

REI Consultants Inc.

Date: *18-Dec-01*

CLIENT: WASTE-TRON INC
Work Order: 0111722
Project: 4807

QC SUMMARY REPORT
Laboratory Control Spike - generic

Sample ID: LCS-11868	Batch ID: 11868	Test Code: SW8082	Units: µg, Total	Analysis Date 11/28/01	Prep Date: 11/28/01
Client ID:		Run ID: SVGC1_011128A		SeqNo: 491285	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	14.8	0.250	20	0	74	70	130	0			
Surr: tetrachloro-m-xylene	2.27	0	2	0	114	30	130	0			

Sample ID: LCSD-11868	Batch ID: 11868	Test Code: SW8082	Units: µg, Total	Analysis Date 11/28/01	Prep Date: 11/28/01
Client ID:		Run ID: SVGC1_011128A		SeqNo: 491286	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	14.6	0.250	20	0	73	70	130	14.8	1.36	30	
Surr: tetrachloro-m-xylene	2.24	0	2	0	112	30	130	2.27	0		

Qualifiers:
ND - Not Detected at the PQL
J - Analyte detected below PQL
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

REI Consultants Inc.

Date: *18-Dec-01*

CLIENT: WASTE-TRON INC
Work Order: 0111722
Project: 4807

QC SUMMARY REPORT

Approved By: _____ **Date:** 12-19-01
QC Officer

Qualifiers:
ND - Not Detected at the PQL
J - Analyte detected below PQL
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

REIC
RESEARCH ENVIRONMENTAL & INDUSTRIAL CONSULTANTS, INC.
EXCAVATOR, ROLLER, AUGERS
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304.255.2500 • 304.255.2572(fax)
website: www.reiclabs.com

Improving the environment, one client at a time...

November 30, 2001

Mr. Gary Cooper
WASTE-TRON INC
RR 1 BOX 33B
POCA, WV 25159
TEL: (304) 687-2261
FAX (304) 755-1099

RE: 4807 Order No.: 0111722

Dear Mr. Gary Cooper,

REI Consultants Inc. received 3 samples on 11/27/01 for the analyses presented in the following report.

If you have any questions regarding these results, please do not hesitate to call.

Sincerely,

Vice President

CC:

325B WALKER CAT Excavator
Track + Bucket

Date: 30-Nov-01

REI Consultants Inc.

Client: WASTE-TRON INC
Client Sample ID: 112701J001 EXCAVTOR
Project: 4807
Site ID: SHAFFER SITE MINDON WV

Lab Order: 0111722
Lab ID: 0111722-01A
Collection Date: 11/27/01
Matrix: WIPE

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
SEMIVOLATILE ORGANIC COMPOUNDS-PCBS		**SW8082**					
Aroclor 1016	ND	µg, Total	NA	0.250		11/28/01	LE
Aroclor 1221	ND	µg, Total	NA	0.250		11/28/01	LE
Aroclor 1232	ND	µg, Total	NA	0.250		11/28/01	LE
Aroclor 1242	ND	µg, Total	NA	0.250		11/28/01	LE
Aroclor 1248	ND	µg, Total	NA	0.250		11/28/01	LE
Aroclor 1254	ND	µg, Total	NA	0.250		11/28/01	LE
Aroclor 1260	ND	µg, Total	NA	0.250		11/28/01	LE
Surr: tetrachloro-m-xylene	93	%REC	NA	30-130		11/28/01	LE

Abbreviations:
ND - Not Detected at the PQL or MDL
PQL - Practical Quantitation Limit
MDL - Minimum Detection Limit
NA - Not Applicable

Qualifiers:
J - Analyte detected below PQL
S - Spike Recovery outside accepted recovery limits
E - Value above quantitation range
* - Value exceeds Maximum Contaminant Level

CS-563D Walker Cat Roller
Roller Leftside

REI Consultants Inc.

Date: 30-Nov-01

Client: WASTE-TRON INC
Client Sample ID: 112701J002 ROLLER
Project: 4807
Site ID: SHAFFER SITE MINDON WV

Lab Order: 0111722
Lab ID: 0111722-02A
Collection Date: 11/27/01
Matrix: WIPE

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
SEMIVOLATILE ORGANIC COMPOUNDS-PCBS		**SW8082**					
Aroclor 1016	ND	µg, Total	NA	0.250		11/28/01	LE
Aroclor 1221	ND	µg, Total	NA	0.250		11/28/01	LE
Aroclor 1232	ND	µg, Total	NA	0.250		11/28/01	LE
Aroclor 1242	ND	µg, Total	NA	0.250		11/28/01	LE
Aroclor 1248	ND	µg, Total	NA	0.250		11/28/01	LE
Aroclor 1254	ND	µg, Total	NA	0.250		11/28/01	LE
Aroclor 1260	ND	µg, Total	NA	0.250		11/28/01	LE
Surr: tetrachloro-m-xylene	63	%REC	NA	30-130		11/28/01	LE

Abbreviations:
ND - Not Detected at the PQL or MDL
PQL - Practical Quantitation Limit
MDL - Minimum Detection Limit
NA - Not Applicable

Qualifiers:
J - Analyte detected below PQL
S - Spike Recovery outside accepted recovery limits
E - Value above quantitation range
* - Value exceeds Maximum Contaminant Level

Triad's Augers
Sampled Bit + second Augers

REI Consultants Inc.

Date: 30-Nov-01

Client: WASTE-TRON INC
Client Sample ID: 112701J003 AUGER
Project: 4807
Site ID: SHAFFER SITE MINDON WV

Lab Order: 0111722
Lab ID: 0111722-03A
Collection Date: 11/27/01
Matrix: WIPE

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
SEMIVOLATILE ORGANIC COMPOUNDS-PCBS		**SW8082**					
Aroclor 1016	ND	µg, Total	NA	0.250		11/28/01	LE
Aroclor 1221	ND	µg, Total	NA	0.250		11/28/01	LE
Aroclor 1232	ND	µg, Total	NA	0.250		11/28/01	LE
Aroclor 1242	ND	µg, Total	NA	0.250		11/28/01	LE
Aroclor 1248	ND	µg, Total	NA	0.250		11/28/01	LE
Aroclor 1254	ND	µg, Total	NA	0.250		11/28/01	LE
Aroclor 1260	ND	µg, Total	NA	0.250		11/28/01	LE
Surr: tetrachloro-m-xylene	64	%REC	NA	30-130		11/28/01	LE

Abbreviations:
ND - Not Detected at the PQL or MDL
PQL - Practical Quantitation Limit
MDL - Minimum Detection Limit
NA - Not Applicable

Qualifiers:
J - Analyte detected below PQL
S - Spike Recovery outside accepted recovery limits
E - Value above quantitation range
* - Value exceeds Maximum Contaminant Level

REI Consultants Inc. **Date:** 30-Nov-01

CLIENT: WASTE-TRON INC **Lab Order:** 0111722
Project: 4807
Site ID: SHAFFER SITE MINDON WV

Data Review

Approved: _____ 11-30
Organic Department Manager **Date**

Abbreviations: ND - Not Detected at the PQL or MDL
PQL - Practical Quantitation Limit
MDL - Minimum Detection Limit
NA - Not Applicable

Qualifiers: J - Analyte detected below PQL
S - Spike Recovery outside accepted recovery limits
E - Value above quantitation range
* - Value exceeds Maximum Contaminant Level

REI Consultants, Inc.
225 Industrial Park Rd.
P.O. Box 286, Beaver, WV 25813
Phone: 304-255-2500 or 800-999-0105
FAX: 304-255-2572
e-mail: rlabs@reiclabs.com

CHAIN OF CUSTODY RECORD NO. 1071

CLIENT: Wastetron Inc
ADDRESS: Rt 2 Box 33B
CITY/STATE/ZIP: Pca WV 25159
BILL TO: Same
CITY/STATE/ZIP:
PURCHASE ORDER #
QUOTE #

CONTACT PERSON: Gary Cooper
TELEPHONE #: 755-8446
FAX #: 755-1099
E-MAIL ADDRESS:
SITE ID & STATE: Shaffer Site Mason WV
PROJECT ID: 4807
SAMPLER: James Gaheen

SAMPLE LOG AND ANALYSIS REQUEST

TURNAROUND TIME REQUIREMENTS
REGULAR: —
*RUSH: X 3-Day, — 2-Day, — 1-Day
*Rush work needs prior Laboratory approval and will include surcharges

PRESERVATIVES
0 No Preservative
1 Hydrochloric Acid
2 Nitric Acid
3 Sulfuric Acid
4 Sodium Thiosulfate
5 Sodium Hydroxide
6 Zinc Acetate
7 EDTA

PRESERVATIVE CODES — NOTE PRESERVATIVES →

SAMPLE ID	NO. & TYPE OF CONTAINERS	SAMPLING DATE / TIME	MATRIX	SAMPLE COMP / GRAB	ANALYSIS REQUESTED & METHOD	COMMENTS
112701J001	1-4oz	11-27	Wipes	G	✓	Excavator
112701J002	1-4oz	11	Wipes	G	✓	Roller
112701J003	1-4oz	11	Wipes	G	✓	Auger

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
James E Gaheen	11/27	1:00PM					
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Temperature Upon Arrival 29°C		X FAX Results	☐ Email Results

Mr. Gary Cooper

Waste-Tron Inc.

Project ID: USACE Shaffer Site, Minden WV-#4807

-Level II Data Package-

Index

REI Consultants, Inc. PO Box 286 Beaver WV 25813 1-800-999-0105 fax: 1-304-255-2572 e-mail: rlabs@reiclabs.com

Waste-Tron Inc.

REIC Work Order: 011565

Case Narrative

REI Consultants, Inc. PO Box 286 Beaver WV 25813 1-800-999-0105 fax: 1-304-255-2572 e-mail: rlabs@reiclabs.com

REI Consultants Inc. **Date:** *26-Nov-01*

CLIENT: WASTE-TRON INC
Project: 4807
Lab Order: 0111565

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references: Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition.

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives. No problems or anomalies were noted during analyses. Please see the following pages for further information pertaining to analyis dates, dillutions (DF), etc.

REI Consultants Inc.

Date: *26-Nov-01*

CLIENT: WASTE-TRON INC
Project: 4807
Lab Order: 0111565
Date Received: 11/16/2001

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
0111565-01A	111601 JG 01		11/16/2001
0111565-02A	111601 JG 02		11/16/2001

REI Consultants Inc.

Lab Order: 0111565
Client: WASTE-TRON INC
Project: 4807

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Prep Batch	Prep Date	DF	Analysis Date
0111565-01A	111601 JG 01	11/16/2001	Wipe	PCBS by 8082 (Wipe)	11766	11/19/2001	1	11/17/2001
0111565-02A	111601 JG 02			PCBS by 8082 (Wipe)	11766	11/19/2001	1	11/17/2001

Waste-Tron Inc.

REIC Work Order: 0111565

Analytical Results

REI Consultants, Inc. PO Box 286 Beaver WV 25813 1-800-999-0105 fax: 1-304-255-2572 e-mail: rlabs@reiclabs.com

REIC

RESEARCH ENVIRONMENTAL & INDUSTRIAL CONSULTANTS, INC.

Improving the environment, one client at a time...

Post Office Box 286 • Beaver, WV 25813 • 800.999.0105

304.255.2500 • 304.255.2572(fax)

website: www.reiclabs.com

November 19, 2001

Mr. Gary Cooper
WASTE-TRON INC
RR 1 BOX 33B
POCA, WV 25159
TEL: (304) 687-2261
FAX (304) 755-1099

RE: 4807 Order No.: 0111565

Dear Mr. Gary Cooper,

REI Consultants Inc. received 2 samples on 11/16/01 for the analyses presented in the following report.

If you have any questions regarding these results, please do not hesitate to call.

Sincerely,

Vice President

CC:

REI Consultants Inc.

Date: 19-Nov-01

Client: WASTE-TRON INC
Client Sample ID: 111601 JG 01
Project: 4807
Site ID: SHAFFER SITE MINDEN

Lab Order: 0111565
Lab ID: 0111565-01A
Collection Date: 11/16/01
Matrix: WIPE

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
SEMIVOLATILE ORGANIC COMPOUNDS-PCBS		**SW8082**					
Aroclor 1016	ND	µg, Total	NA	0.250		11/17/01	LE
Aroclor 1221	ND	µg, Total	NA	0.250		11/17/01	LE
Aroclor 1232	ND	µg, Total	NA	0.250		11/17/01	LE
Aroclor 1242	ND	µg, Total	NA	0.250		11/17/01	LE
Aroclor 1248	ND	µg, Total	NA	0.250		11/17/01	LE
Aroclor 1254	ND	µg, Total	NA	0.250		11/17/01	LE
Aroclor 1260	ND	µg, Total	NA	0.250		11/17/01	LE
Surr: tetrachloro-m-xylene	99	%REC	NA	30-130		11/17/01	LE

Abbreviations:
ND - Not Detected at the PQL or MDL
PQL - Practical Quantitation Limit
MDL - Minimum Detection Limit
NA - Not Applicable

Qualifiers:
J - Analyte detected below PQL
S - Spike Recovery outside accepted recovery limits
E - Value above quantitation range
* - Value exceeds Maximum Contaminant Level

REI Consultants Inc.

Date: 19-Nov-01

Client: WASTE-TRON INC
Client Sample ID: 111601 JG 02
Project: 4807
Site ID: SHAFFER SITE MINDEN

Lab Order: 0111565
Lab ID: 0111565-02A
Collection Date: 11/16/01
Matrix: WIPE

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
SEMIVOLATILE ORGANIC COMPOUNDS-PCBS		**SW8082**					
Aroclor 1016	ND	µg, Total	NA	0.250		11/17/01	LE
Aroclor 1221	ND	µg, Total	NA	0.250		11/17/01	LE
Aroclor 1232	ND	µg, Total	NA	0.250		11/17/01	LE
Aroclor 1242	ND	µg, Total	NA	0.250		11/17/01	LE
Aroclor 1248	ND	µg, Total	NA	0.250		11/17/01	LE
Aroclor 1254	ND	µg, Total	NA	0.250		11/17/01	LE
Aroclor 1260	ND	µg, Total	NA	0.250		11/17/01	LE
Surr: tetrachloro-m-xylene	107	%REC	NA	30-130		11/17/01	LE

Abbreviations:
ND - Not Detected at the PQL or MDL
PQL - Practical Quantitation Limit
MDL - Minimum Detection Limit
NA - Not Applicable

Qualifiers:
J - Analyte detected below PQL
S - Spike Recovery outside accepted recovery limits
E - Value above quantitation range
* - Value exceeds Maximum Contaminant Level

REI Consultants Inc. **Date:** 19-Nov-01

CLIENT: WASTE-TRON INC **Lab Order:** 0111565
Project: 4807
Site ID: SHAFFER SITE MINDEN

Data Review

Approved: _____ 11-19-01
Organic Department Manager Date

Abbreviations:	ND - Not Detected at the PQL or MDL	**Qualifiers:**	J - Analyte detected below PQL
	PQL - Practical Quantitation Limit		S - Spike Recovery outside accepted recovery limits
	MDL - Minimum Detection Limit		E - Value above quantitation range
	NA - Not Applicable		* - Value exceeds Maximum Contaminant Level

Waste-Tron Inc.

REIC Work Order: 0111565

Chain-of-Custody

REI Consultants, Inc. PO Box 286 Beaver WV 25813 1-800-999-0105 fax: 1-304-255-2572 e-mail: rlabs@reiclabs.com

CHAIN OF CUSTODY RECORD NO.

REI Consultants, Inc.
225 Industrial Park Rd.
P.O. Box 286, Beaver, WV 25813
Phone: 304-255-2500 or 800-999-0105
FAX: 304-255-2572
e-mail: rlabs@reiclabs.com

CLIENT: Wastetran Inc
ADDRESS: RT 2 BOX 33B
CITY/STATE/ZIP: Poca WV 25159
BILL TO: SAME
CITY/STATE/ZIP:
PURCHASE ORDER #
QUOTE #

CONTACT PERSON: GARY Cooper
TELEPHONE #: 755-8448
FAX #: 755-1099
E-MAIL ADDRESS:
SITE ID & STATE: Shaffer Site Minden
PROJECT ID: 4807
SAMPLER: James Gohera

SAMPLE LOG AND ANALYSIS REQUEST

TURNAROUND TIME REQUIREMENTS
REGULAR: ___
*RUSH: ___ 5-Day ___ 3-Day ___ 2-Day X 1-Day
*Rush work needs prior Laboratory approval and will include surcharges

PRESERVATIVES
0 No Preservative
1 Hydrochloric Acid
2 Nitric Acid
3 Sulfuric Acid
4 Sodium Thiosulfate
5 Sodium Hydroxide
6 Zinc Acetate
7 EDTA

PRESERVATIVE CODES
NOTE PRESERVATIVES → 0

ANALYSIS REQUESTED & METHOD: PCB 5030

SAMPLE ID	NO. & TYPE OF CONTAINERS	SAMPLING DATE / TIME	MATRIX	SAMPLE COMP / GRAB	COMMENTS
111601J6C1	1 - 40z	11/16/01	S	GRAB	INSIDE CAB
111601J6C2	1 - 40z	"	S	GRAB	Belly Pan

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	11/16 413P						
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Temperature Upon Arrival			
		[signature]	11-16-01 4:45	2.5 °C			

X FAX Results ☐ Email Results

Waste-Tron Inc.

REIC Work Order: 011565

Level II QC Summary

REI Consultants, Inc. PO Box 286 Beaver WV 25813 1-800-999-0105 fax: 1-304-255-2572 e-mail: rlabs@reiclabs.com

Polychlorinated Biphenyls: 8082

Level II QC Summary

REI Consultants Inc.

Date: *21-Nov-01*

CLIENT: WASTE-TRON INC
Work Order: 0111565
Project: 4807

QC SUMMARY REPORT
Method Blank

Sample ID: **MB-11766** Batch ID: **11766** Test Code: **SW8082** Units: **µg, Total** Analysis Date **11/17/01** Prep Date: **11/19/01**

Client ID: Run ID: **SVGC1_011117A** SeqNo: **485011**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.250									
Aroclor 1221	ND	0.250									
Aroclor 1232	ND	0.250									
Aroclor 1242	ND	0.250									
Aroclor 1248	ND	0.250									
Aroclor 1254	ND	0.250									
Aroclor 1260	ND	0.250									
Surr: decachlorobiphenyl	1.79	0	2	0	89.5	30	130	0			

Qualifiers: ND - Not Detected at the PQL
J - Analyte detected below PQL
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

REI Consultants Inc.

Date: *21-Nov-01*

CLIENT: WASTE-TRON INC
Work Order: 0111565
Project: 4807

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID: **LCS-11766** Batch ID: **11766** Test Code: **SW8082** Units: **µg, Total** Analysis Date **11/17/01** Prep Date: **11/19/01**
Client ID: Run ID: **SVGC1_011117A** SeqNo: **485014**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	9.33	0.250	10	0	93.3	70	130	0			
Surr: decachlorobiphenyl	1.58	0	2	0	79	30	130	0			

Sample ID: **LCSD-11766** Batch ID: **11766** Test Code: **SW8082** Units: **µg, Total** Analysis Date **11/17/01** Prep Date: **11/19/01**
Client ID: Run ID: **SVGC1_011117A** SeqNo: **485015**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	9.9	0.250	10	0	99	70	130	9.33	5.93	30	
Surr: decachlorobiphenyl	1.71	0	2	0	85.5	30	130	1.58	0		

Qualifiers:
ND - Not Detected at the PQL
J - Analyte detected below PQL
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

REI Consultants Inc.

Date: *21-Nov-01*

CLIENT: WASTE-TRON INC
Work Order: 0111565
Project: 4807

QC SUMMARY REPORT

Approved By: _____ **Date:** 11-26-01
QC Officer

Qualifiers:
ND - Not Detected at the PQL
J - Analyte detected below PQL
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits