



Infrastructure, buildings, environment, communications

Gina Keenan
Wisconsin Department of Natural Resources
2300 North Dr. Martin Luther King Drive
P.O. Box 12436
Milwaukee, Wisconsin 53212-0436

ARCADIS G&M, Inc.
126 North Jefferson Street
Suite 400
Milwaukee
Wisconsin 53202
Tel 414 276 7742
Fax 414 276 7603

ENVIRONMENT

Subject:

Request for Approval to Dispose of PCE-Impacted Drummed Soils, N. Getz
Property, West Allis, Wisconsin.
FID #268085840, ERR

Dear Ms. Keenan:

Date:
30 January 2004

This letter serves to address your letter to Mr. Norman Getz dated December 4, 2003, whereby the Wisconsin Department of Natural Resources (WDNR) granted approval for additional funds for remediation, and agreed to our proposal to manage certain soils at the Getz site in accordance with Chapter NR 718 as provided in the WDNR's "contained-in" policy. The December 4 letter specified that certain barrels of soil cuttings at the site would have to be managed as a listed hazardous waste because these soils contain PCE at concentrations exceeding the calculated Site-specific residual contaminant level (RCL) of 55 milligrams per kilogram (mg/kg).

Contact:
Jim Bannantine

Phone:
414 277 6230

In an electronic message, ARCADIS explained that the samples from the soil borings represented point locations and were not fully representative of the contents within each drum. We requested permission from you to collect representative samples from these two drums, and if the concentrations were below the calculated Site-specific RCL of 55 mg/kg, then we would manage the drums in accordance with the contained-in policy. You agreed to this plan in an electronic message on December 10, 2003.

ARCADIS collected representative soil samples from the drums labeled "MW-2" and "MW-3" on January 14, 2004, and submitted the soil samples for laboratory volatile organic compound analysis. A copy of the chain of custody form and the analytical results are included in Appendix A of this letter. The sample collected from MW-2 contained 9.16 mg/kg PCE and the sample from MW-3 contained 9.09 mg/kg PCE. Both of these concentrations are well below the site-specific RCL of 55 mg/kg.

Based on this information, ARCADIS requests WDNR concurrence that these soil drums be managed as a special waste in accordance with the WDNR contained-in policy.

Gina Keenan
30 January 2004

We appreciate your continued assistance with this project. To maintain our project schedule, we look forward to your review of this document at your earliest convenience. Should you have any questions or require any additional information, please contact us at your convenience.

Sincerely,

ARCADIS G&M, Inc.



James Bannantine, PG
Senior Hydrogeologist

Copies:

Mr. Donald P. Gallo - Reinhart Boerner Van Dueren, S.C.
Ms. Kristin Laine- City of West Allis

ANALYTICAL REPORT

Mr. Jim Bannantine
ARCADIS
126 N Jefferson Street
Suite 400
Milwaukee, WI 53202

01/26/2004

Job No: 04.00404


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The following samples were received by TestAmerica for analysis:

WI001027.0001 Getz

Sample Number	Sample Description	Date Taken	Date Received
556327	MW-2	01/14/2004	01/15/2004
556328	MW-3	01/14/2004	01/15/2004
556329	MeOH Blank	01/14/2004	01/15/2004

Soil results reported
on a dry weight basis.


Brian D. DeJong
Organic Operations Manager

ARCADIS
Job No: 04.00404

01/26/2004
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KEY TO DATA FLAGS

The attached sample(s) may have a result flag shown on the report. The following are the result flag definitions:

A = Analyzed/extracted past hold time
B = Blank is contaminated
C = Standard outside of control limits
D = Diluted for analysis
E = TCLP extraction outside of method required temperature range
F = Sample filtered in lab
G = Received past hold time
H = Late eluting hydrocarbons present
I = Improperly handled sample
J = Estimated concentration
L = Common lab solvent and contaminant
M = Matrix interference
P = Improperly preserved sample
Q = Result confirmed via re-analysis
S = Sediment present
T = Does not match typical pattern
W = BOD re-set due to missed dilution
X = Unidentified compound(s) present
Z = Internal standard outside limits
* = See Case Narrative

KEY TO ANALYST INITIALS

The attached sample(s) may have been analyzed by another certified laboratory. If a number appears in the Analyst Initials field, the following are the appropriate certifications (if the lab code does not appear below, that means that WDNR certification is not required for the work performed):

Lab Code	Certification Number
008	WDNR - 999766900
009	WDNR - 241293690
020	WDNR - 999447680
030	ILNELAC - 100230; WDNR - 998294430
060	ILNELAC - 100221; WDNR - 999447130
070	IA - 007; ILNELAC - 000668; MDH - 019-999-319; WDNR - 999917270
130	WDNR - 632021390
147	WDNR - 721026460
300	FLNELAC - 87358; IA - 131; MDH - 047-999-345; WDNR - 998020430
400	WDNR - 113133790
510	WDNR - 241249360
520	WDNR - 999518190; ILNELAC - 100439
700	WDNR - 113289110

TestAmerica Watertown WDNR - 128053530; IDNR - 294; MDH - 055-999-366; ND - R-046

For questions regarding this report, please contact Dan Milewsky or Warren Topel.

ANALYTICAL REPORT

Mr. Jim Bannantine
ARCADIS
126 N Jefferson Street
Suite 400
Milwaukee, WI 53202

01/26/2004
Job No: 04.00404
Sample No: 556327
Account No: 32050
Page 3 of 13

JOB DESCRIPTION: WI001027.0001 Getz
PROJECT DESCRIPTION: Soil Analysis
SAMPLE DESCRIPTION: MW-2
West Allis, WI

Date/Time Taken: 01/14/2004 10:55

Date Received: 01/15/2004

Parameter	Results	Units	Reporting	Method	Date	Prep/Run	
			Limit		Analyzed	Analyst	Batch
Solids, Total	88.4	%	n/a	SW 5035	01/19/2004	eml	5471
VOC - METHANOL - 8260B							
Benzene	<28	ug/kg	25	SW 8260B	01/21/2004	aba	2721
Bromobenzene	<28	ug/kg	25	SW 8260B	01/21/2004	aba	2721
Bromochloromethane	<40	ug/kg	35	SW 8260B	01/21/2004	aba	2721
Bromodichloromethane	<28	ug/kg	25	SW 8260B	01/21/2004	aba	2721
Bromoform	<28	ug/kg	25	SW 8260B	01/21/2004	aba	2721
Bromomethane	<113	ug/kg	100	SW 8260B	01/21/2004	aba	2721
n-Butylbenzene	<28	ug/kg	25	SW 8260B	01/21/2004	aba	2721
sec-Butylbenzene	<28	ug/kg	25	SW 8260B	01/21/2004	aba	2721
tert-Butylbenzene	<28	ug/kg	25	SW 8260B	01/21/2004	aba	2721
Carbon Tetrachloride	<28	ug/kg	25	SW 8260B	01/21/2004	aba	2721
Chlorobenzene	<28	ug/kg	25	SW 8260B	01/21/2004	aba	2721
Chlorodibromomethane	<28	ug/kg	25	SW 8260B	01/21/2004	aba	2721
Chloroethane	<57	ug/kg	50	SW 8260B	01/21/2004	aba	2721
Chloroform	<28	ug/kg	25	SW 8260B	01/21/2004	aba	2721
Chloromethane	<57	ug/kg	50	SW 8260B	01/21/2004	aba	2721
2-Chlorotoluene	<57	ug/kg	50	SW 8260B	01/21/2004	aba	2721
4-Chlorotoluene	<28	ug/kg	25	SW 8260B	01/21/2004	aba	2721
1,2-Dibromo-3-Chloropropane	<57	ug/kg	50	SW 8260B	01/21/2004	aba	2721
1,2-Dibromoethane (EDB)	<28	ug/kg	25	SW 8260B	01/21/2004	aba	2721
Dibromomethane	<28	ug/kg	25	SW 8260B	01/21/2004	aba	2721
1,2-Dichlorobenzene	<28	ug/kg	25	SW 8260B	01/21/2004	aba	2721
1,3-Dichlorobenzene	<28	ug/kg	25	SW 8260B	01/21/2004	aba	2721
1,4-Dichlorobenzene	<28	ug/kg	25	SW 8260B	01/21/2004	aba	2721
Dichlorodifluoromethane	<57	ug/kg	50	SW 8260B	01/21/2004	aba	2721
1,1-Dichloroethane	<28	ug/kg	25	SW 8260B	01/21/2004	aba	2721
1,2-Dichloroethane	<28	ug/kg	25	SW 8260B	01/21/2004	aba	2721
1,1-Dichloroethene	<28	ug/kg	25	SW 8260B	01/21/2004	aba	2721
cis-1,2-Dichloroethene	860	ug/kg	25	SW 8260B	01/21/2004	aba	2721
trans-1,2-Dichloroethene	<28	ug/kg	25	SW 8260B	01/21/2004	aba	2721
1,2-Dichloropropane	<28	ug/kg	25	SW 8260B	01/21/2004	aba	2721
1,3-Dichloropropane	<28	ug/kg	25	SW 8260B	01/21/2004	aba	2721
2,2-Dichloropropane	<28	ug/kg	25	SW 8260B	01/21/2004	aba	2721
1,1-Dichloropropene	<28	ug/kg	25	SW 8260B	01/21/2004	aba	2721
cis-1,3-Dichloropropene	<28	ug/kg	25	SW 8260B	01/21/2004	aba	2721
trans-1,3-Dichloropropene	<28	ug/kg	25	SW 8260B	01/21/2004	aba	2721
Di-isopropyl ether	<28	ug/kg	25	SW 8260B	01/21/2004	aba	2721
Ethylbenzene	<28	ug/kg	25	SW 8260B	01/21/2004	aba	2721

ANALYTICAL REPORT

Mr. Jim Bannantine
 ARCADIS
 126 N Jefferson Street
 Suite 400
 Milwaukee, WI 53202

01/26/2004
 Job No: 04.00404
 Sample No: 556327
 Account No: 32050
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JOB DESCRIPTION: WI001027.0001 Getz
 PROJECT DESCRIPTION: Soil Analysis
 SAMPLE DESCRIPTION: MW-2
 West Allis, WI

Date/Time Taken: 01/14/2004 10:55

Date Received: 01/15/2004

Parameter	Results	Units	Reporting	Method	Date	Analyst	Prep/Run
			Limit		Analyzed		Batch
Hexachlorobutadiene	<40	ug/kg	35	SW 8260B	01/21/2004	aba	2721
Isopropylbenzene	<28	ug/kg	25	SW 8260B	01/21/2004	aba	2721
p-Isopropyltoluene	<28	ug/kg	25	SW 8260B	01/21/2004	aba	2721
Methylene Chloride	<57	ug/kg	50	SW 8260B	01/21/2004	aba	2721
Methyl-t-butyl ether	<28	ug/kg	25	SW 8260B	01/21/2004	aba	2721
Naphthalene	<28	ug/kg	25	SW 8260B	01/21/2004	aba	2721
n-Propylbenzene	<28	ug/kg	25	SW 8260B	01/21/2004	aba	2721
Styrene	<28	ug/kg	25	SW 8260B	01/21/2004	aba	2721
1,1,1,2-Tetrachloroethane	<28	ug/kg	25	SW 8260B	01/21/2004	aba	2721
1,1,2,2-Tetrachloroethane	<28	ug/kg	25	SW 8260B	01/21/2004	aba	2721
Tetrachloroethene	9,160	ug/kg	25	SW 8260B	01/23/2004	aba	2723
Toluene	<28	ug/kg	25	SW 8260B	01/21/2004	aba	2721
1,2,3-Trichlorobenzene	<28	ug/kg	25	SW 8260B	01/21/2004	aba	2721
1,2,4-Trichlorobenzene	<28	ug/kg	25	SW 8260B	01/21/2004	aba	2721
1,1,1-Trichloroethane	<28	ug/kg	25	SW 8260B	01/21/2004	aba	2721
1,1,2-Trichloroethane	<40	ug/kg	35	SW 8260B	01/21/2004	aba	2721
Trichloroethene	38	ug/kg	25	SW 8260B	01/21/2004	aba	2721
Trichlorofluoromethane	<28	ug/kg	25	SW 8260B	01/21/2004	aba	2721
1,2,3-Trichloropropane	<113	ug/kg	100	SW 8260B	01/21/2004	aba	2721
1,2,4-Trimethylbenzene	<28	ug/kg	25	SW 8260B	01/21/2004	aba	2721
1,3,5-Trimethylbenzene	<28	ug/kg	25	SW 8260B	01/21/2004	aba	2721
Vinyl Chloride	<40	ug/kg	35	SW 8260B	01/21/2004	aba	2721
Xylenes, Total	<40	ug/kg	35	SW 8260B	01/21/2004	aba	2721
Surr: Dibromofluoromethane	104	%	82-112	SW 8260B	01/21/2004	aba	2721
Surr: Toluene-d8	106	%	91-106	SW 8260B	01/21/2004	aba	2721
Surr: Bromofluorobenzene	102	%	89-110	SW 8260B	01/21/2004	aba	2721

ANALYTICAL REPORT

Mr. Jim Bannantine
ARCADIS
126 N Jefferson Street
Suite 400
Milwaukee, WI 53202

01/26/2004
Job No: 04.00404
Sample No: 556328
Account No: 32050
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JOB DESCRIPTION: WI001027.0001 Getz
PROJECT DESCRIPTION: Soil Analysis
SAMPLE DESCRIPTION: MW-3
West Allis, WI

Date/Time Taken: 01/14/2004 11:05

Date Received: 01/15/2004

Parameter	Results	Units	Reporting Limit	Method	Date Analyzed	Prep/Run Analyst	Batch
Solids, Total	83.6	%	n/a	SW 5035	01/19/2004	eml	5471
VOC - METHANOL - 8260B							
Benzene	<30	ug/kg	25	SW 8260B	01/21/2004	aba	2721
Bromobenzene	<30	ug/kg	25	SW 8260B	01/21/2004	aba	2721
Bromochloromethane	<42	ug/kg	35	SW 8260B	01/21/2004	aba	2721
Bromodichloromethane	<30	ug/kg	25	SW 8260B	01/21/2004	aba	2721
Bromoform	<30	ug/kg	25	SW 8260B	01/21/2004	aba	2721
Bromomethane	<120	ug/kg	100	SW 8260B	01/21/2004	aba	2721
n-Butylbenzene	<30	ug/kg	25	SW 8260B	01/21/2004	aba	2721
sec-Butylbenzene	<30	ug/kg	25	SW 8260B	01/21/2004	aba	2721
tert-Butylbenzene	<30	ug/kg	25	SW 8260B	01/21/2004	aba	2721
Carbon Tetrachloride	<30	ug/kg	25	SW 8260B	01/21/2004	aba	2721
Chlorobenzene	<30	ug/kg	25	SW 8260B	01/21/2004	aba	2721
Chlorodibromomethane	<30	ug/kg	25	SW 8260B	01/21/2004	aba	2721
Chloroethane	<60	ug/kg	50	SW 8260B	01/21/2004	aba	2721
Chloroform	<30	ug/kg	25	SW 8260B	01/21/2004	aba	2721
Chloromethane	<60	ug/kg	50	SW 8260B	01/21/2004	aba	2721
2-Chlorotoluene	<60	ug/kg	50	SW 8260B	01/21/2004	aba	2721
4-Chlorotoluene	<30	ug/kg	25	SW 8260B	01/21/2004	aba	2721
1,2-Dibromo-3-Chloropropane	<60	ug/kg	50	SW 8260B	01/21/2004	aba	2721
1,2-Dibromoethane (EDB)	<30	ug/kg	25	SW 8260B	01/21/2004	aba	2721
Dibromomethane	<30	ug/kg	25	SW 8260B	01/21/2004	aba	2721
1,2-Dichlorobenzene	<30	ug/kg	25	SW 8260B	01/21/2004	aba	2721
1,3-Dichlorobenzene	<30	ug/kg	25	SW 8260B	01/21/2004	aba	2721
1,4-Dichlorobenzene	<30	ug/kg	25	SW 8260B	01/21/2004	aba	2721
Dichlorodifluoromethane	<60	ug/kg	50	SW 8260B	01/21/2004	aba	2721
1,1-Dichloroethane	<30	ug/kg	25	SW 8260B	01/21/2004	aba	2721
1,2-Dichloroethane	<30	ug/kg	25	SW 8260B	01/21/2004	aba	2721
1,1-Dichloroethene	<30	ug/kg	25	SW 8260B	01/21/2004	aba	2721
cis-1,2-Dichloroethene	<30	ug/kg	25	SW 8260B	01/21/2004	aba	2721
trans-1,2-Dichloroethene	<30	ug/kg	25	SW 8260B	01/21/2004	aba	2721
1,2-Dichloropropane	<30	ug/kg	25	SW 8260B	01/21/2004	aba	2721
1,3-Dichloropropane	<30	ug/kg	25	SW 8260B	01/21/2004	aba	2721
2,2-Dichloropropane	<30	ug/kg	25	SW 8260B	01/21/2004	aba	2721
1,1-Dichloropropene	<30	ug/kg	25	SW 8260B	01/21/2004	aba	2721
cis-1,3-Dichloropropene	<30	ug/kg	25	SW 8260B	01/21/2004	aba	2721
trans-1,3-Dichloropropene	<30	ug/kg	25	SW 8260B	01/21/2004	aba	2721
Di-isopropyl ether	<30	ug/kg	25	SW 8260B	01/21/2004	aba	2721
Ethylbenzene	<30	ug/kg	25	SW 8260B	01/21/2004	aba	2721

ANALYTICAL REPORT

Mr. Jim Bannantine
 ARCADIS
 126 N Jefferson Street
 Suite 400
 Milwaukee, WI 53202

01/26/2004
 Job No: 04.00404
 Sample No: 556328
 Account No: 32050
 Page 6 of 13

JOB DESCRIPTION: WI001027.0001 Getz
 PROJECT DESCRIPTION: Soil Analysis
 SAMPLE DESCRIPTION: MW-3
 West Allis, WI

Date/Time Taken: 01/14/2004 11:05

Date Received: 01/15/2004

Parameter	Results	Units	Reporting Limit	Method	Date Analyzed	Analyst	Prep/Run Batch
Hexachlorobutadiene	<42	ug/kg	35	SW 8260B	01/21/2004	aba	2721
Isopropylbenzene	<30	ug/kg	25	SW 8260B	01/21/2004	aba	2721
p-Isopropyltoluene	<30	ug/kg	25	SW 8260B	01/21/2004	aba	2721
Methylene Chloride	<60	ug/kg	50	SW 8260B	01/21/2004	aba	2721
Methyl-t-butyl ether	<30	ug/kg	25	SW 8260B	01/21/2004	aba	2721
Napthalene	<30	ug/kg	25	SW 8260B	01/21/2004	aba	2721
n-Propylbenzene	<30	ug/kg	25	SW 8260B	01/21/2004	aba	2721
Styrene	<30	ug/kg	25	SW 8260B	01/21/2004	aba	2721
1,1,1,2-Tetrachloroethane	<30	ug/kg	25	SW 8260B	01/21/2004	aba	2721
1,1,2,2-Tetrachloroethane	<30	ug/kg	25	SW 8260B	01/21/2004	aba	2721
Tetrachloroethene	9,090	ug/kg	25	SW 8260B	01/21/2004	aba	2721
Toluene	<30	ug/kg	25	SW 8260B	01/21/2004	aba	2721
1,2,3-Trichlorobenzene	<30	ug/kg	25	SW 8260B	01/21/2004	aba	2721
1,2,4-Trichlorobenzene	<30	ug/kg	25	SW 8260B	01/21/2004	aba	2721
1,1,1-Trichloroethane	<30	ug/kg	25	SW 8260B	01/21/2004	aba	2721
1,1,2-Trichloroethane	<42	ug/kg	35	SW 8260B	01/21/2004	aba	2721
Trichloroethene	227	ug/kg	25	SW 8260B	01/21/2004	aba	2721
Trichlorofluoromethane	<30	ug/kg	25	SW 8260B	01/21/2004	aba	2721
1,2,3-Trichloropropane	<120	ug/kg	100	SW 8260B	01/21/2004	aba	2721
1,2,4-Trimethylbenzene	<30	ug/kg	25	SW 8260B	01/21/2004	aba	2721
1,3,5-Trimethylbenzene	<30	ug/kg	25	SW 8260B	01/21/2004	aba	2721
Vinyl Chloride	<42	ug/kg	35	SW 8260B	01/21/2004	aba	2721
Xylenes, Total	<42	ug/kg	35	SW 8260B	01/21/2004	aba	2721
Surr: Dibromofluoromethane	106	%	82-112	SW 8260B	01/21/2004	aba	2721
Surr: Toluene-d8	103	%	91-106	SW 8260B	01/21/2004	aba	2721
Surr: Bromofluorobenzene	102	%	89-110	SW 8260B	01/21/2004	aba	2721

ANALYTICAL REPORT

Mr. Jim Bannantine
ARCADIS
126 N Jefferson Street
Suite 400
Milwaukee, WI 53202

01/26/2004
Job No: 04.00404
Sample No: 556329
Account No: 32050
Page 7 of 13

JOB DESCRIPTION: WI001027.0001 Getz
PROJECT DESCRIPTION: Soil Analysis
SAMPLE DESCRIPTION: MeOH Blank
West Allis, WI

Date/Time Taken: 01/14/2004 UNKNOWN Date Received: 01/15/2004

Parameter	Results	Units	Reporting Limit	Method	Date Analyzed	Prep/Run Analyst	Batch
VOC - METHANOL - 8260B							
Benzene	<25	ug/kg	25	SW 8260B	01/21/2004	aba	2721
Bromobenzene	<25	ug/kg	25	SW 8260B	01/21/2004	aba	2721
Bromochloromethane	<35	ug/kg	35	SW 8260B	01/21/2004	aba	2721
Bromodichloromethane	<25	ug/kg	25	SW 8260B	01/21/2004	aba	2721
Bromoform	<25	ug/kg	25	SW 8260B	01/21/2004	aba	2721
Bromomethane	<100	ug/kg	100	SW 8260B	01/21/2004	aba	2721
n-Butylbenzene	<25	ug/kg	25	SW 8260B	01/21/2004	aba	2721
sec-Butylbenzene	<25	ug/kg	25	SW 8260B	01/21/2004	aba	2721
tert-Butylbenzene	<25	ug/kg	25	SW 8260B	01/21/2004	aba	2721
Carbon Tetrachloride	<25	ug/kg	25	SW 8260B	01/21/2004	aba	2721
Chlorobenzene	<25	ug/kg	25	SW 8260B	01/21/2004	aba	2721
Chlorodibromomethane	<25	ug/kg	25	SW 8260B	01/21/2004	aba	2721
Chloroethane	<50	ug/kg	50	SW 8260B	01/21/2004	aba	2721
Chloroform	<25	ug/kg	25	SW 8260B	01/21/2004	aba	2721
Chloromethane	<50	ug/kg	50	SW 8260B	01/21/2004	aba	2721
2-Chlorotoluene	<50	ug/kg	50	SW 8260B	01/21/2004	aba	2721
4-Chlorotoluene	<25	ug/kg	25	SW 8260B	01/21/2004	aba	2721
1,2-Dibromo-3-Chloropropane	<50	ug/kg	50	SW 8260B	01/21/2004	aba	2721
1,2-Dibromoethane (EDB)	<25	ug/kg	25	SW 8260B	01/21/2004	aba	2721
Dibromomethane	<25	ug/kg	25	SW 8260B	01/21/2004	aba	2721
1,2-Dichlorobenzene	<25	ug/kg	25	SW 8260B	01/21/2004	aba	2721
1,3-Dichlorobenzene	<25	ug/kg	25	SW 8260B	01/21/2004	aba	2721
1,4-Dichlorobenzene	<25	ug/kg	25	SW 8260B	01/21/2004	aba	2721
Dichlorodifluoromethane	<50	ug/kg	50	SW 8260B	01/21/2004	aba	2721
1,1-Dichloroethane	<25	ug/kg	25	SW 8260B	01/21/2004	aba	2721
1,2-Dichloroethane	<25	ug/kg	25	SW 8260B	01/21/2004	aba	2721
1,1-Dichloroethene	<25	ug/kg	25	SW 8260B	01/21/2004	aba	2721
cis-1,2-Dichloroethene	<25	ug/kg	25	SW 8260B	01/21/2004	aba	2721
trans-1,2-Dichloroethene	<25	ug/kg	25	SW 8260B	01/21/2004	aba	2721
1,2-Dichloropropane	<25	ug/kg	25	SW 8260B	01/21/2004	aba	2721
1,3-Dichloropropane	<25	ug/kg	25	SW 8260B	01/21/2004	aba	2721
2,2-Dichloropropane	<25	ug/kg	25	SW 8260B	01/21/2004	aba	2721
1,1-Dichloropropene	<25	ug/kg	25	SW 8260B	01/21/2004	aba	2721
cis-1,3-Dichloropropene	<25	ug/kg	25	SW 8260B	01/21/2004	aba	2721
trans-1,3-Dichloropropene	<25	ug/kg	25	SW 8260B	01/21/2004	aba	2721
Di-isopropyl ether	<25	ug/kg	25	SW 8260B	01/21/2004	aba	2721
Ethylbenzene	<25	ug/kg	25	SW 8260B	01/21/2004	aba	2721
Hexachlorobutadiene	<35	ug/kg	35	SW 8260B	01/21/2004	aba	2721

ANALYTICAL REPORT

Mr. Jim Bannantine
ARCADIS
126 N Jefferson Street
Suite 400
Milwaukee, WI 53202

01/26/2004
Job No: 04.00404
Sample No: 556329
Account No: 32050
Page 8 of 13

JOB DESCRIPTION: WI001027.0001 Getz
PROJECT DESCRIPTION: Soil Analysis
SAMPLE DESCRIPTION: MeOH Blank
West Allis, WI

Date/Time Taken: 01/14/2004 UNKNOWN

Date Received: 01/15/2004

Parameter	Results	Units	Reporting	Method	Date	Analyst	Prep/Run
			Limit		Analyzed		Batch
Isopropylbenzene	<25	ug/kg	25	SW 8260B	01/21/2004	aba	2721
p-Isopropyltoluene	<25	ug/kg	25	SW 8260B	01/21/2004	aba	2721
Methylene Chloride	<50	ug/kg	50	SW 8260B	01/21/2004	aba	2721
Methyl-t-butyl ether	<25	ug/kg	25	SW 8260B	01/21/2004	aba	2721
Naphthalene	<25	ug/kg	25	SW 8260B	01/21/2004	aba	2721
n-Propylbenzene	<25	ug/kg	25	SW 8260B	01/21/2004	aba	2721
Styrene	<25	ug/kg	25	SW 8260B	01/21/2004	aba	2721
1,1,1,2-Tetrachloroethane	<25	ug/kg	25	SW 8260B	01/21/2004	aba	2721
1,1,2,2-Tetrachloroethane	<25	ug/kg	25	SW 8260B	01/21/2004	aba	2721
Tetrachloroethene	<25	ug/kg	25	SW 8260B	01/21/2004	aba	2721
Toluene	<25	ug/kg	25	SW 8260B	01/21/2004	aba	2721
1,2,3-Trichlorobenzene	<25	ug/kg	25	SW 8260B	01/21/2004	aba	2721
1,2,4-Trichlorobenzene	<25	ug/kg	25	SW 8260B	01/21/2004	aba	2721
1,1,1-Trichloroethane	<25	ug/kg	25	SW 8260B	01/21/2004	aba	2721
1,1,2-Trichloroethane	<35	ug/kg	35	SW 8260B	01/21/2004	aba	2721
Trichloroethene	<25	ug/kg	25	SW 8260B	01/21/2004	aba	2721
Trichlorofluoromethane	<25	ug/kg	25	SW 8260B	01/21/2004	aba	2721
1,2,3-Trichloropropane	<100	ug/kg	100	SW 8260B	01/21/2004	aba	2721
1,2,4-Trimethylbenzene	<25	ug/kg	25	SW 8260B	01/21/2004	aba	2721
1,3,5-Trimethylbenzene	<25	ug/kg	25	SW 8260B	01/21/2004	aba	2721
Vinyl Chloride	<35	ug/kg	35	SW 8260B	01/21/2004	aba	2721
Xylenes, Total	<35	ug/kg	35	SW 8260B	01/21/2004	aba	2721
Surr: Dibromofluoromethane	106	%	82-112	SW 8260B	01/21/2004	aba	2721
Surr: Toluene-d8	98	%	91-106	SW 8260B	01/21/2004	aba	2721
Surr: Bromofluorobenzene	96	%	89-110	SW 8260B	01/21/2004	aba	2721

QUALITY CONTROL REPORT
CONTINUING CALIBRATION VERIFICATION

01/26/2004

Mr. Jim Bannantine
ARCADIS
126 N Jefferson Street
Suite 400
Milwaukee, WI 53202

Job No: 04.00404
Account No: 32050

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Job Description: WI001027.0001 Getz

Parameter	Run Batch	True Value	Observed Value	Percent Recovery	Control Limits
VOC - METHANOL - 8260B					
Benzene	2721	50.0	50.5	101	85 - 115
Bromoform	2721	50.0	44.5	89	
Chlorobenzene	2721	50.0	52.5	105	85 - 115
Chloroform	2721	50.0	51.5	103	80 - 120
Chloromethane	2721	50.0	58.1	116	
1,1-Dichloroethane	2721	50.0	54.1	108	
1,1-Dichloroethene	2721	50.0	59.6	119	80 - 120
1,2-Dichloropropane	2721	50.0	55.6	111	80 - 120
Di-isopropyl ether	2721	50.0	51.8	104	
Ethylbenzene	2721	50.0	50.0	100	80 - 120
Methyl-t-butyl ether	2721	50.0	51.7	103	80 - 120
1,1,2,2-Tetrachloroethane	2721	50.0	52.8	106	
Toluene	2721	50.0	55.9	112	80 - 120
Trichloroethene	2721	50.0	50.1	100	
1,2,4-Trimethylbenzene	2721	50.0	51.4	103	
1,3,5-Trimethylbenzene	2721	50.0	53.5	107	
Vinyl Chloride	2721	50.0	53.1	106	80 - 120
Xylenes, Total	2721	150	160	107	
Surr: Dibromofluoromethane	2721	50.0	53.2	106	87 - 111
Surr: Toluene-d8	2721	50.0	55.5	111	88 - 110
Surr: Bromofluorobenzene	2721	50.0	57.5	115	90 - 108
VOC - METHANOL - 8260B					

QUALITY CONTROL REPORT

BLANKS

01/26/2004

Mr. Jim Bannantine
 ARCADIS
 126 N Jefferson Street
 Suite 400
 Milwaukee, WI 53202

Job No: 04.00404
 Account No: 32050

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Job Description: WI001027.0001 Getz

Parameter	Prep Batch	Run Batch	Blank Result	Reporting Limit	Units
VOC - METHANOL - 8260B					
Benzene		2721	<25	25	ug/kg
Bromobenzene		2721	<25	25	ug/kg
Bromochloromethane		2721	<35	35	ug/kg
Bromodichloromethane		2721	<25	25	ug/kg
Bromoform		2721	<25	25	ug/kg
Bromomethane		2721	<100	100	ug/kg
n-Butylbenzene		2721	<25	25	ug/kg
sec-Butylbenzene		2721	<25	25	ug/kg
tert-Butylbenzene		2721	<25	25	ug/kg
Carbon Tetrachloride		2721	<25	25	ug/kg
Chlorobenzene		2721	<25	25	ug/kg
Chlorodibromomethane		2721	<25	25	ug/kg
Chloroethane		2721	<50	50	ug/kg
Chloroform		2721	<25	25	ug/kg
Chloromethane		2721	<50	50	ug/kg
2-Chlorotoluene		2721	<50	50	ug/kg
4-Chlorotoluene		2721	<25	25	ug/kg
1,2-Dibromo-3-Chloropropane		2721	<50	50	ug/kg
1,2-Dibromoethane (EDB)		2721	<25	25	ug/kg
Dibromomethane		2721	<25	25	ug/kg
1,2-Dichlorobenzene		2721	<25	25	ug/kg
1,3-Dichlorobenzene		2721	<25	25	ug/kg
1,4-Dichlorobenzene		2721	<25	25	ug/kg
Dichlorodifluoromethane		2721	<50	50	ug/kg
1,1-Dichloroethane		2721	<25	25	ug/kg
1,2-Dichloroethane		2721	<25	25	ug/kg
1,1-Dichloroethene		2721	<25	25	ug/kg
cis-1,2-Dichloroethene		2721	<25	25	ug/kg
trans-1,2-Dichloroethene		2721	<25	25	ug/kg
1,2-Dichloropropane		2721	<25	25	ug/kg
1,3-Dichloropropane		2721	<25	25	ug/kg
2,2-Dichloropropane		2721	<25	25	ug/kg
1,1-Dichloropropene		2721	<25	25	ug/kg
cis-1,3-Dichloropropene		2721	<25	25	ug/kg
trans-1,3-Dichloropropene		2721	<25	25	ug/kg
Di-isopropyl ether		2721	<25	25	ug/kg

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

QUALITY CONTROL REPORT
BLANKS

01/26/2004

Mr. Jim Bannantine
ARCADIS
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Milwaukee, WI 53202

Job No: 04.00404
Account No: 32050

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Job Description: WI001027.0001 Getz

Parameter	Prep Batch	Run Batch	Blank Result	Reporting Limit	Units
Ethylbenzene		2721	<25	25	ug/kg
Hexachlorobutadiene		2721	<35	35	ug/kg
Isopropylbenzene		2721	<25	25	ug/kg
p-Isopropyltoluene		2721	<25	25	ug/kg
Methylene Chloride		2721	<50	50	ug/kg
Methyl-t-butyl ether		2721	<25	25	ug/kg
Naphthalene		2721	<25	25	ug/kg
n-Propylbenzene		2721	<25	25	ug/kg
Styrene		2721	<25	25	ug/kg
1,1,1,2-Tetrachloroethane		2721	<25	25	ug/kg
1,1,2,2-Tetrachloroethane		2721	<25	25	ug/kg
Tetrachloroethene		2721	<25	25	ug/kg
Toluene		2721	<25	25	ug/kg
1,2,3-Trichlorobenzene		2721	<25	25	ug/kg
1,2,4-Trichlorobenzene		2721	<25	25	ug/kg
1,1,1-Trichloroethane		2721	<25	25	ug/kg
1,1,2-Trichloroethane		2721	<35	35	ug/kg
Trichloroethene		2721	<25	25	ug/kg
Trichlorofluoromethane		2721	<25	25	ug/kg
1,2,3-Trichloropropane		2721	<100	100	ug/kg
1,2,4-Trimethylbenzene		2721	<25	25	ug/kg
1,3,5-Trimethylbenzene		2721	<25	25	ug/kg
Vinyl Chloride		2721	<35	35	ug/kg
Xylenes, Total		2721	<35	35	ug/kg
Surr: Dibromofluoromethane		2721	102.6	82-112	%
Surr: Toluene-d8		2721	108.4	91-106	%
Surr: Bromofluorobenzene		2721	103.4	89-110	%
VOC - METHANOL - 8260B					
Tetrachloroethene		2723	<25	25	ug/kg

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

QUALITY CONTROL REPORT
LABORATORY CONTROL STANDARD

01/26/2004

Mr. Jim Bannantine
ARCADIS
126 N Jefferson Street
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Milwaukee, WI 53202

Job No: 04.00404
Account No: 32050

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Job Description: WI001027.0001 Getz

Analyte	Prep	Run	LCS	Units	LCS	LCSD	LCS	LCSD	Relative	
	Batch	Batch					Percent	Percent		Control
	Number	Number	Amount		Result	Result	Recovery	Recovery	Limits	Difference
VOC - METHANOL - 8260B										
Benzene		2721	50.0	ug/kg	47.9	48.7	96	97	64 - 124	1.7
Chlorobenzene		2721	50.0	ug/kg	48.9	45.5	98	91	80 - 123	7.2
1,1-Dichloroethene		2721	50.0	ug/kg	56.1	49.1	112	98	43 - 141	13
Ethylbenzene		2721	50.0	ug/kg	51.2	44.5	102	89	79 - 122	14
Methyl-t-butyl ether		2721	50.0	ug/kg	43.1	50.5	86	101	55 - 137	16
Toluene		2721	50.0	ug/kg	50.4	46.0	101	92	78 - 120	9.1
Trichloroethene		2721	50.0	ug/kg	48.5	48.5	97	97	78 - 124	0.0
1,2,4-Trimethylbenzene		2721	50.0	ug/kg	53.9	46.7	108	93	75 - 128	14
1,3,5-Trimethylbenzene		2721	50.0	ug/kg	52.1	47.8	104	96	76 - 127	8.6
Xylenes, Total		2721	150	ug/kg	153	145	102	97	79 - 122	5.4
Surr: Dibromofluoromethane		2721	50.0	ug/L	52.9	53.4	106	107	87 - 111	0.9
Surr: Toluene-d8		2721	50.0	ug/L	52.2	48.4	104	97	88 - 110	7.6
Surr: Bromofluorobenzene		2721	50.0	ug/L	52.8	53.4	106	107	90 - 108	1.1
VOC - METHANOL - 8260B										

QUALITY CONTROL REPORT
DUPLICATES

Mr. Jim Bannantine
ARCADIS
126 N Jefferson Street
Suite 400
Milwaukee, WI 53202

01/26/2004

Job No: 04.00404
Account No: 32050

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Job Description: WI001027.0001 Getz

Parameter	Prep Batch Number	Run Batch Number	Sample Value	Duplicate Value	Units	RPD	Control Limit
Solids, Total		5471	91.2	91.4	%	0.2	
Solids, Total		5471	94.4	93.8	%	0.6	

Project Number/Name WI001027.0001/Getz

Project Location West Allis, WI

Laboratory Test America

Project Manager Jim Bannantine

Sampler(s)/Affiliation Jake Dowling/ARCADIS

04.00404

Sample ID/Location	Matrix	Date/Time Sampled	TIME Lab-ID	ANALYSIS / METHOD / SIZE						Remarks	Total
				1	2	3	4	5	6		
MW-2	S	1/14/2004	1055	1	1						2
MW-3	↓	↓	1105	1	1						2
MeOH Blank	L	↓	-	1							1

Sample Matrix: L = Liquid; S = Solid; A = Air Total No. of Bottles/Containers 5

Relinquished by: [Signature] Organization: ARCADIS Date 1/15/2004 Time 0730 Seal Intact? Yes

Received by: [Signature] Organization: TA Date 1/15/04 Time 1130 Seal Intact? Yes

Relinquished by: [Signature] Organization: TA Date 1/15/04 Time 1330 Seal Intact? Yes

Received by: [Signature] Organization: TA Date 1/15/04 Time 1330 Seal Intact? Yes

Special Instructions/Remarks: Please call Jim Bannantine @ (414) 276-7742 w/Any questions. Thank S!

Delivery Method: In Person Common Carrier Lab Courier Other