Frazer
Schapiro
& Rich

Frazer Schapiro & Rich sc
Attorneys at Law

1110 N. Old World Third St
Suite 218
Milwaukee, WI 53203
Voice 414.347.9500
Fax 414.347.9455
www.fsrlaw.net

Received
4-3-2000

March 14, 2000

Ms. Debby Roszak
Wisconsin Department of Natural Resources
Southeast Regional Headquarters
2300 N. Dr. Martin Luther King Drive
Milwaukee, Wisconsin 53212-0436

RE: Key Products (Lynx Street Property)

Dear Ms. Roszak:

I am writing this letter on behalf of our client, Key Products, Inc. ("Key Products") and in response to your letter to Mr. Spencer Hintz, dated February 24, 2000. Please note for your records that Mr. Hintz is no longer with the company.

With regard to your substantive comments, please note that you are correct in pointing out that Mr. Meinburg has not submitted information on chemical usage and waste disposal at the former Key Products site on West Lynx Street, Milwaukee, Wisconsin. This information has been difficult to obtain.

Notwithstanding, it appears from your correspondence that you unaware of additional soil and groundwater sampling that have been performed by Key Products in 1999. Specifically, Key Products had its consultant put in two monitoring wells to evaluate potential offsite sources of contamination in June and July 1999. One well was placed to the east of the former Key Products Site, on property where K-W Manufacturing performs business. The second well was put to the west of the subject site. Significantly elevated concentrations of PCE (4,400,000 ug/kg) and TCE (2,000 ug/kg) were detected in soil on the K-W property. Groundwater exceedances for PCE were also detected. Groundwater elevation readings taken in the summer of 1999 indicated that groundwater flows in a southwesterly direction -- thus, the releases on the K-W site are not likely as a result of migration of contaminants from the Key Products site. On the other hand, there is substantial evidence to show there is migration of contaminants from off-site sources to the former Key Products site.

Additional soil sampling was performed on the K-W site in September 1999. PCE and TCE were detected in the soil. Enclosed for your file are results of soil and groundwater sampling performed in June, July and September 1999.

In short, there are indications of contaminant sources to the east of the Key Products site. This is not to say, however, that Key Products will discontinue efforts to define the extent of contamination attributable to any releases at the Site. Key Products is currently soliciting a proposal from its consultants with regard to next steps and we will keep you advised with our progress. Certainly, this is an inappropriate case for the DNR to issue an administrative cleanup order! Unless I hear otherwise, I will assume that no such order will be issued.

Thank you for your attention to this matter. Please give me a call if you have any questions.

Very truly yours,

FRAZER SCHAPIRO & RICH, S.C.

Karen Schapiro

Karen M. Schapiro

KMS/kb
Enclosures

cc: Barbara Grundl, DNR (w/enc.) ✓
Mr. Richard Meinburg (w/out enc.)
Mr. Ken Wein (w/out enc.)

KEY ENGINEERING GROUP LTD.
ENVIRONMENTAL ▪ CIVIL/GEOTECH ▪ COMPLIANCE

W66 N215 Commerce Court
Cedarburg, Wisconsin 53012
(262) 375-4750
(800) 645-7365
Fax (262) 375-9680

March 9, 2000

Ms. Debby Roszak
Wisconsin Department of Natural Resources
2300 North Dr. Martin Luther King Jr. Drive
Post Office Box 12436
Milwaukee, Wisconsin 53212-0436

Reference: *Investigation Results*
Former Key Products
8627-8633 West Lynx Street
Milwaukee, Wisconsin
WDNR FID #241437790 ERP
BRRTS #02-41-153233

KEY ENGINEERING GROUP, LTD.
File No. 0712007

Dear Ms. Roszak:

The purpose of this letter is to provide the Wisconsin Department of Natural Resources with the results of additional investigation conducted at the above referenced site by Key Engineering Group, Ltd. (KEY). The results of previous investigation activities at the site were documented in a July 23, 1998 letter titled *Results of Limited Site Investigation.*

Objective and Scope

The objective of the additional investigation activities was to further evaluate the source, degree and extent of groundwater contaminants previously detected adjacent to the south side of the site building.

The additional investigation activities included the drilling of two soil borings; the installation, development and sampling of two monitoring wells; the sampling of the existing monitoring well; surveying the monitoring wells; collecting groundwater elevation measurements; and advancing two soil probes.

Investigation Procedures

Two soil borings (MW-2 and MW-3) were drilled to the northeast and west of the previously installed monitoring well (MW-1) (and former excavation cavity) by Briohn Environmental Contractors, Inc. on June 25, 1999. The soil borings were converted to groundwater monitoring wells. MW-2 was located on the adjacent K-W Manufacturing and Engineering Corp. (K-W) property.

Two soil probes (GP-1 and GP-2) were advanced on the K-W property east of MW-1 and MW-2 on September 22, 1999. Additionally, a third soil probe was attempted further east of GP-1 and GP-2 to evaluate potential soil impacts associated with a metal scrap yard located east of the K-W property; however, probe refusal was encountered in this area at less than 1 foot below ground surface (bgs). The soil boring/monitoring well and soil probe locations are depicted on Figure 1.

The soil borings were drilled with a truck mounted drilling rig using hollow-stem, continuous flight augers. Soil samples were collected at 2½-foot intervals in accordance with American Society of Testing Materials D1586 *Standard Method for Penetration Test and Split-Barrel Sampling of Soil.* The soil borings were drilled to 18.5 feet bgs. The soil probes were advanced with a hand-held portable soil probe unit. GP-1 and GP-2 were advanced to 7 and 6 feet bgs, respectively; soil samples were collected at 2-foot intervals. Collected soil samples were classified in the field in accordance with the Unified Soil Classification System. Each soil sample was also field screened for the presence of volatile organic compounds (VOCs) with a photoionization detector (PID), and five soil samples were submitted to Great Lakes Analytical laboratory for analysis of VOCs. Soil boring/probe and sampling information, soil classification data and field screening results are documented on soil boring logs which are included in Attachment 1.

The groundwater monitoring wells were installed and developed in accordance with Chapter NR 141 of the Wisconsin Administrative Code. The wells were constructed using 2-inch diameter polyvinyl chloride (PVC) riser and screen. The wells were constructed using a 15-foot long factory cut PVC screen, which was placed from approximately 18 to 3 feet bgs. The filter pack, filter pack seal, annular space seal, and protective cover materials and placement met the NR 141 specifications. The wells were completed with a steel flush mounted protective cover sealed in concrete. The monitoring well construction and development forms are provided in Attachment 1. The newly installed and existing monitoring wells were surveyed to a site benchmark on June 25, 1999.

MW-2 and MW-3 were developed by pumping with a submersible pump. Following purging and groundwater recovery, the wells were sampled using Teflon® bailers. Collected groundwater samples were submitted under standard chain of custody procedures to Great Lakes Analytical laboratory for analysis of VOCs.

Soil boring cuttings and purged groundwater were contained in 55-gallon labeled drums and stored adjacent to the south side of the building. Three drums of investigation derived waste were removed from the site for disposal by One Step Environmental, Inc. on August 13, 1999.

Investigation Results

Soil conditions encountered generally consisted of brown to gray stiff to very stiff silty clay. Approximately 3 feet of fill material comprised of black silty clay with gravel and asphalt was encountered at MW-3.

The monitoring well and groundwater elevation data are summarized in Table 1 and a groundwater elevation contour map is included as Figures 2A and 2B.

Groundwater was measured at approximately 3 to 7 feet bgs prior to developing MW-2 and MW-3 and purging MW-1 on July 13, 1999. KEY measured groundwater elevations within each well again on July 28, 1999. On this date, the groundwater elevation in MW-1 was approximately 8 feet lower than prior to purging on July 13, 1999. The groundwater elevations in MW-2 and MW-3 were generally consistent with the July 13, 1999 measurements. Based on the consistency of groundwater levels between the three wells on July 13, 1999 and the apparent slow recharge of MW-1, the July 13, 1999 groundwater elevations appear representative of the static groundwater table at the site. The July 13, 1999 groundwater flow data indicates a southwesterly groundwater flow direction.

Groundwater depths in monitoring wells were measured at approximately 3 to 10 feet bgs at the time of soil probe activities on September 22, 1999. This groundwater elevation data indicates a southeasterly groundwater flow direction.

Soil sample field screening results indicated PID readings above background (1 instrument unit (i.u.)) for soil samples collected from MW-2 (2 to 218 i.u.). A "solvent-type" odor was observed at the sample depth interval of the 218 i.u. PID reading (6 to 8 feet bgs). The PID readings from MW-3 ranged from background levels to 14 i.u. The PID readings generally decreased with depth. The soil probe investigation field screening results indicated PID readings above background for soil samples collected from both GP-1 and GP-2 (2 to 77 i.u.). Soil sample field screening results are documented on the boring logs included in Attachment 1.

The soil sample analytical results are summarized in Table 2 and on Figure 3 and the Great Lakes Analytical laboratory reports and chain of custody documentation are included in Attachment 2. Soil sample analytical results previously collected by KEY and the previous consultant are also included on Figure 3.

The soil sample analytical results indicated that elevated concentrations of tetrachloroethene (PCE) (99,000 micrograms per kilogram (µg/kg)) and trichloroethene (TCE) (2,000 µg/kg) were detected at MW-2 at 3.5 to 5.5 feet bgs. PCE was detected at a concentration of 4,400,000 µg/kg at MW-2 at 6 to 8 feet bgs. PCE was detected at a concentration of 53 µg/kg at MW-3 at 3.5 to 5 feet bgs. The PCE concentrations detected at MW-2 exceeded the United States Environmental Protection Agency (USEPA) residential direct contact Preliminary Remediation Goal (PRG) (4,700 µg/kg). Each PCE and TCE concentration detected at MW-2 exceeded USEPA soil screening levels (SSL) for the protection of groundwater. It should be noted that each analyzed soil sample was collected from below the groundwater table.

The soil probe investigation soil sample analytical results indicated that PCE was detected at GP-1 and GP-2 at 2 to 4 feet bgs. TCE and cis-1,2-dichloroethene were also detected at GP-2. These concentrations did not exceed the USEPA PRGs; however, each detected concentration exceeded USEPA SSLs.

The groundwater sample analytical results are summarized in Table 3 and on Figure 4 and the Great Lakes Analytical laboratory report and chain of custody documentation are included in Attachment 3. The groundwater sample analytical results indicated that the highest concentrations of groundwater contaminants were detected in MW-1, located on-site adjacent to the former excavation cavity. PCE, TCE and cis-1,2 dichloroethene were detected at concentrations exceeding NR 140 enforcement standards (ESs) in MW-1. The contaminant concentrations in MW-1 have generally increased since KEY's December 31, 1997 sampling event (the PCE concentration increased by an order of magnitude). PCE was detected at a concentration slightly exceeding the NR 140 ES in MW-2 (off-site well). No contaminant concentrations detected in MW-3 exceeded NR 140 ESs.

Conclusions

Higher chlorinated volatile organic compounds (CVOC) concentrations were detected in saturated soil at MW-2 than in the vicinity of MW-1 (based on previous soil probe data). The high contaminant concentrations detected off-site at MW-2 may indicate that more than one contaminant release has occurred in the vicinity of MW-1 and MW-2, and that some of the contamination on the property may be attributable to an off-site source.

It should also be noted that the horizontal extent of groundwater contamination is generally defined in the apparent downgradient direction from the highest soil and groundwater concentrations (based on July 1999 groundwater elevation data); however, the horizontal extent of contamination is not defined to the north, south or east.

Based on the soil probe investigation results, there are indications that a contaminant source exists east of the site (CVOC concentrations were detected on the central portion of the K-W property in shallow soil).

Please call if you have any questions.

Sincerely,

KEY ENGINEERING GROUP, LTD.

Curtis M. Hoffart, CHMM
Project Scientist

Kenneth W. Wein, CHMM
Vice President

CMH/mas

Enclosures:	Table 1	Summary of Groundwater Elevation Data
	Table 2	Summary of Soil Sample Analytical Results
	Table 3	Summary of Groundwater Sample Analytical Results
	Figure 1	Site Layout
	Figure 2A	Groundwater Elevation Contour Map (July 13, 1999)
	Figure 2B	Groundwater Elevation Contour Map (September 22, 1999)
	Figure 3	Summary of Soil Sample Analytical Results
	Figure 4	Summary of Groundwater Sample Analytical Results
	Attachment 1	Soil Boring Logs
	Attachment 2	Laboratory Reports and Chain of Custody Documentation (Soil Samples)
	Attachment 3	Laboratory Reports and Chain of Custody Documentation (Groundwater Samples)

cc: Mr. Richard Meinburg, Key Products, Inc.
Ms. Karen Schapiro, Frazer Schapiro & Rich, S.C.

H:\PROJECTS\1997\0712007\LETTERS\030900.cmh.wpd

TABLE 1

SUMMARY OF GROUNDWATER ELEVATION DATA

FORMER KEY PRODUCTS
8627-8633 West Lynx Street
Milwaukee, Wisconsin

WELL NO.	TOP OF PVC ELEVATION (FEET*)	DATE	DEPTH TO GROUNDWATER (FEET)	GROUNDWATER ELEVATION (FEET)
MW-1	97.55	12/31/97	11.92	85.63
		7/13/99	3.82	93.73
		7/28/99	11.90	85.65
		9/22/99	9.95	87.60
MW-2	97.24	7/13/99	2.91	94.33
		7/28/99	2.58	94.66
		9/22/99	3.24	94.00
MW-3	98.04	7/13/99	6.61	91.43
		7/28/99	5.82	92.22
		9/22/99	6.13	91.91

Notes:
Survey performed by Key Engineering Group, Ltd. on June 25, 1999.
* - Relative to established benchmark.

TABLE 2

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS

FORMER KEY PRODUCTS

8627-8633 West Lynx Street
Milwaukee, Wisconsin

SAMPLE ID	MW-2		MW-3	GP-1	GP-2	PRG	SSL
Date Collected	6/25/99	6/25/99	6/25/99	9/22/99	9/22/99	NA	NA
Depth (feet)	3.5-5.5	6-8	3.5-5.5	2-4	2-4	NA	NA
PID (i.u.)	79	218	4	2	58	NA	NA
VOCs (µg/kg)							
Tetrachloroethene	99,000	4,400,000	53	880	1,600	4,700	3
Trichloroethene	2,000	<25,000	<25	<25	550	2,700	3
cis-1,2-Dichloroethene	<1,300	<25,000	<25	<25	420	42,000	20

Notes:
i.u. - instrument units
NA - not applicable
PID - photoionization detector
PRG - USEPA Region 9 residential direct contact Preliminary Remediation Goal
SSL - USEPA Region 9 soil screening level for the protection of groundwater (assuming no dilution)
µg/kg - micrograms per kilogram
VOCs - volatile organic compounds

TABLE 3

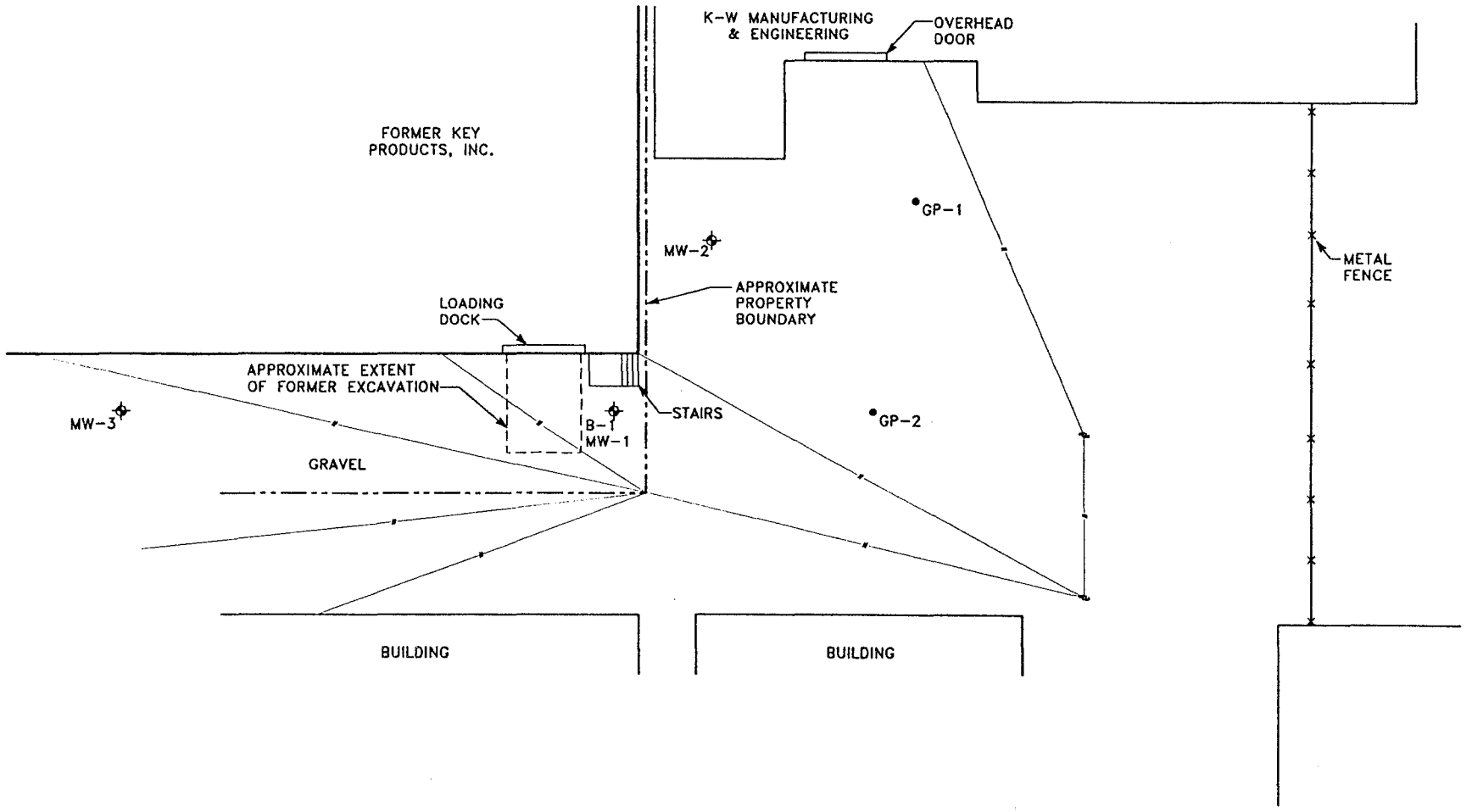
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS

FORMER KEY PRODUCTS

8627-8633 West Lynx Street
Milwaukee, Wisconsin

SAMPLE ID	MW-1		MW-2	MW-3	PAL	ES
Date Collected	12/31/97	7/13/99	7/13/99	7/13/99		
Detected VOCs (µg/l)						
Ethylbenzene	<0.50	<250	<0.50	1.5	140	700
Xylenes	<0.50	<250	<0.50	14	124	620
cis-1,2-Dichloroethene	**610**	**740**	1.4	<0.50	7	70
trans-1,2-Dichloroethene	3.9	<250	<0.50	<0.50	100	20
Trichloroethene	**120**	**400**	**0.80**	<0.50	0.5	5
Methylene chloride	<0.53	**430 B**	<0.53	<0.53	0.5	5
Tetrachloroethene	**4,100**	**24,000**	**14**	**2.0**	0.5	5
Vinyl chloride	**15**	<85	<0.17	<0.17	0.2	0.02

Notes:
Bold concentrations exceed NR 140 PAL
Shaded concentrations exceed NR 140 ES
B - the blank associated with this sample contained 91 ug/l of methylene choride
ES - NR 140 enforcement standard
PAL - NR 140 preventive action limit
µg/l - micrograms per liter
VOCs - volatile organic compounds



N

SOURCE: *Assessment Documentation Report* and other correspondence, Materials Management and Training, Ltd. September 19, 1997

LEGEND

- UTILITY POLE
- // OVERHEAD UTILITY
- MONITORING WELL LOCATION
- SOIL PROBE LOCATION

0 10 20

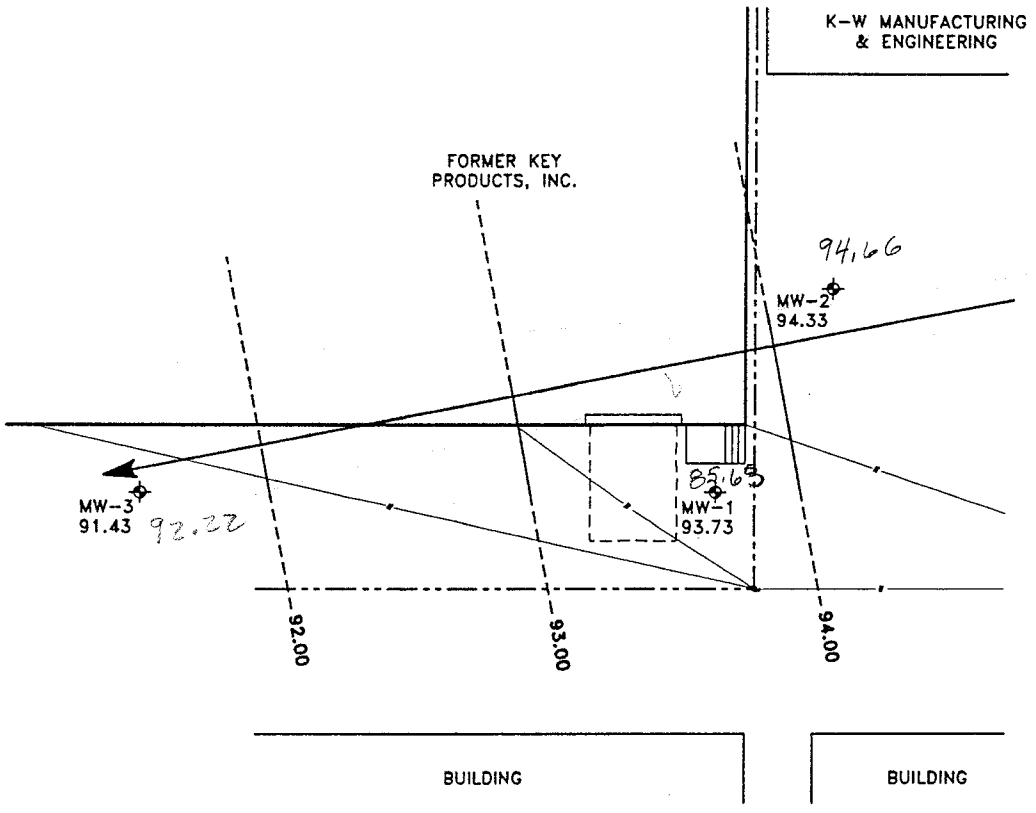
SCALE: 1"=20'

DRN. BY:	J.J.J.	DATE:	03/09/00
DSN. BY:	C.M.H.	FILE NO.:	0712007
CHK. BY:	C.M.H.	DWG. NO.:	7120072
REV. BY:	G.L.J.	SHEET NO.:	1

KEY ENGINEERING GROUP LTD.

FIGURE 1
SITE LAYOUT

FORMER KEY PRODUCTS, INC.
8627-8633 WEST LYNX ANVENUE
MILWAUKEE, WISCONSIN



LEGEND

- UTILITY POLE
- —//— OVERHEAD UTILITY
- MONITORING WELL LOCATION
- CI 1.0
- 91.43 GROUNDWATER ELEVATION ON JULY 13, 1999
- GROUNDWATER FLOW DIRECTION
- AVERAGE HYDRAULIC GRADIENT = 0.04

N

SOURCE: *Assessment Documentation Report* and other correspondence, Materials Management and Training, Ltd. September 19, 1997

0 10 20

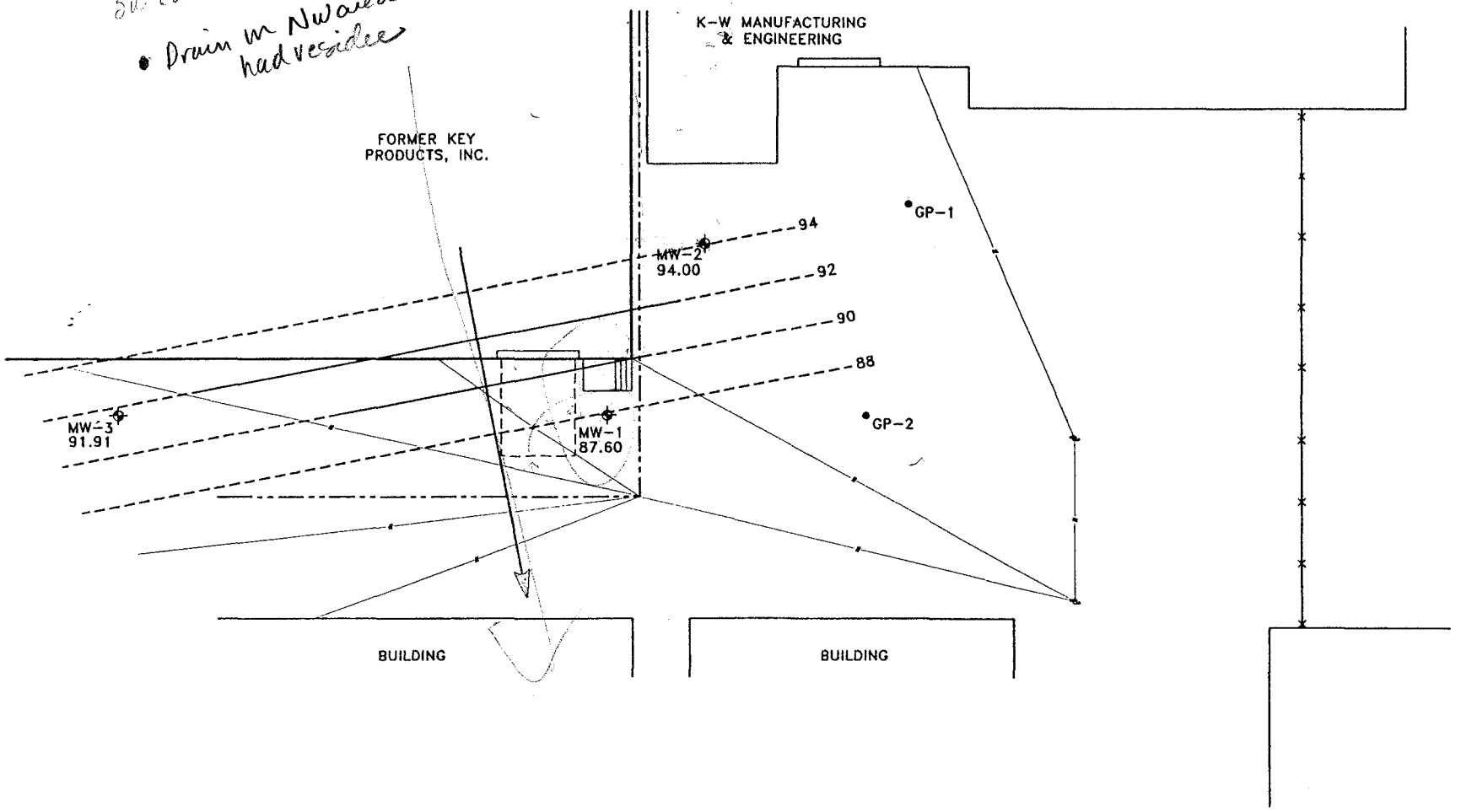
SCALE: 1"=20'

DRN. BY:	J.J.J.	DATE:	03/09/00
DSN. BY:	C.M.H.	FILE NO.:	0712007
CHK. BY:	C.M.H.	DWG. NO.:	7120073
REV. BY:	G.L.J.	SHEET NO.:	2A

KEY ENGINEERING GROUP LTD.

FIGURE 2A
GROUNDWATER ELEVATION CONTOUR MAP (JULY 13, 1999)

FORMER KEY PRODUCTS, INC.
8627-8633 WEST LYNX AVENUE
MILWAUKEE, WISCONSIN



SOURCE: *Assessment Documentation Report* and other correspondence, Materials Management and Training, Ltd. September 19, 1997

LEGEND

- UTILITY POLE
- // OVERHEAD UTILITY
- MONITORING WELL LOCATION
- • SOIL PROBE LOCATION
- 91.91 GROUNDWATER ELEVATION ON 9/22/99
- ← GROUNDWATER GLOW DIRECTION

0 10 20

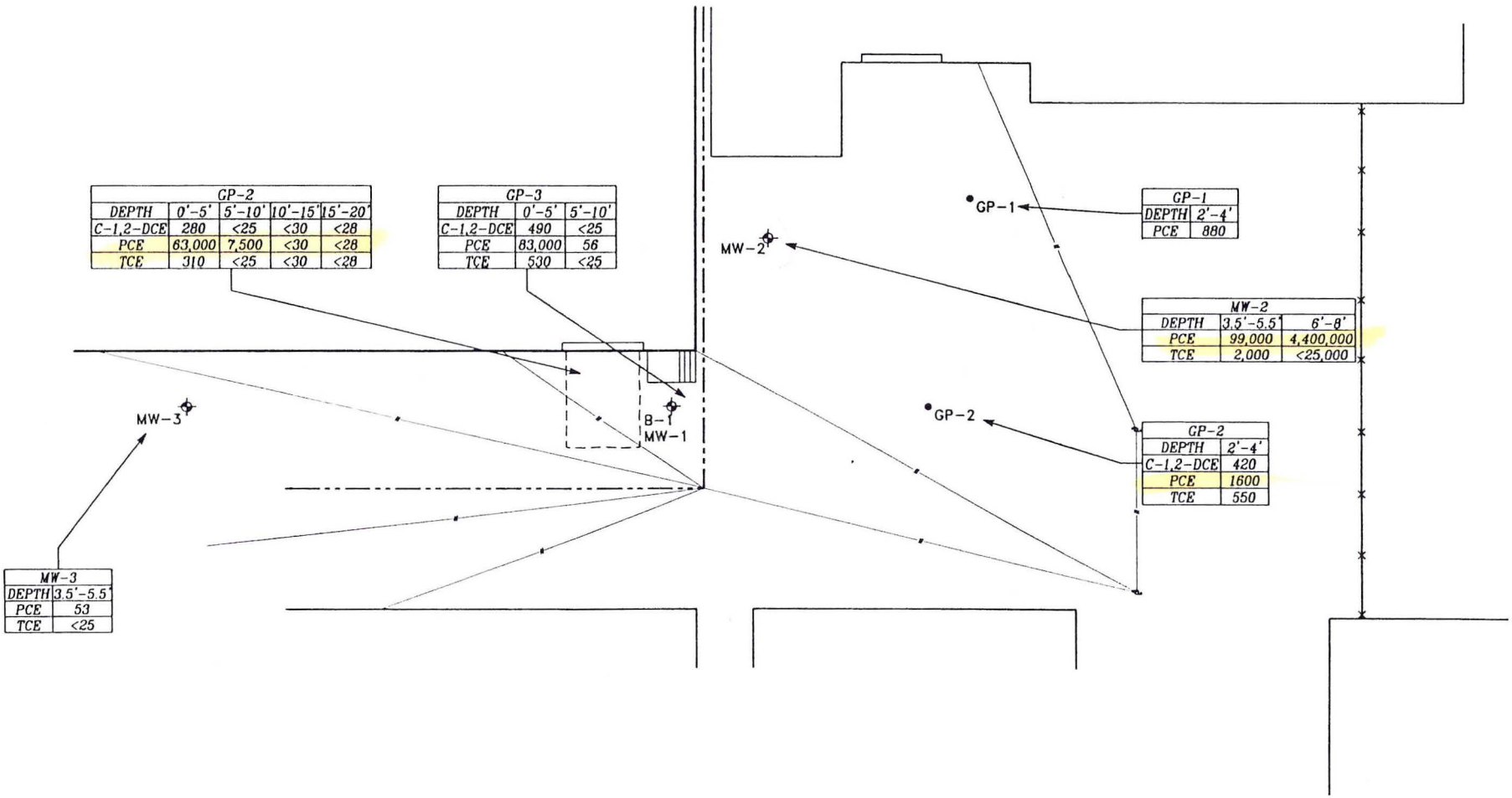
SCALE: 1"=20'

DRN. BY:	J.J.J.	DATE:	03/09/00
DSN. BY:	C.M.H.	FILE NO.:	0712007
CHK. BY:	C.M.H.	DWG. NO.:	7120076
REV. BY:	G.L.J.	SHEET NO.:	2B

KEY ENGINEERING GROUP LTD.

FIGURE 2B
GROUNDWATER ELEVATION CONTOUR MAP (SEPTEMBER 22, 1999)

FORMER KEY PRODUCTS, INC.
8627-8633 WEST LYNX ANVENUE
MILWAUKEE, WISCONSIN



NOTES

C-1,2-DCE: CIS-1,2-DICHLOROETHENE, ug/kg
PCE: TETRACHLOROETHENE, ug/kg
TCE: TRICHLOROETHENE, ug/kg
ug/kg: MICROGRMAS PER KILOGRAM
< : LESS THAN

LEGEND

- UTILITY POLE
- // OVERHEAD UTILITY
- MONITORING WELL LOCATION
- SOIL PROBE LOCATION

N

SOURCE: Assessment Documentation Report and other correspondence, Materials Management and Training, Ltd. September 19, 1997

0 10 20

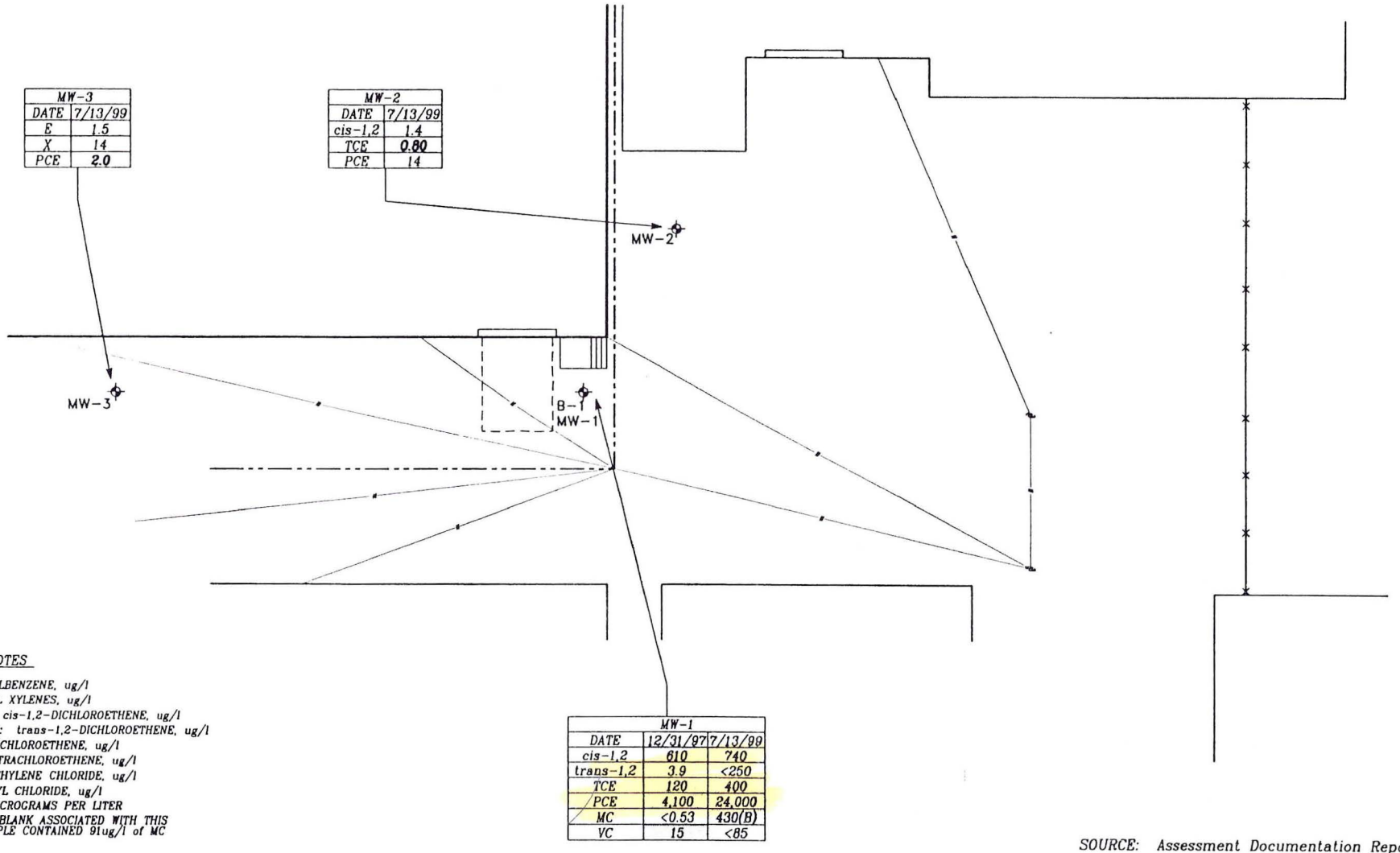
SCALE: 1"=20'

DRN. BY:	J.J.J.	DATE:	03/09/00
DSN. BY:	C.M.H.	FILE NO.:	0712007
CHK. BY:	C.M.H.	DWG. NO.:	07120073
REV. BY:	G.L.J.	SHEET NO.:	3

KEY ENGINEERING GROUP LTD.

FIGURE 3
SUMMARY OF SOIL SAMPLE ANAYLTICAL RESULTS

FORMER KEY PRODUCTS, INC.
8627-8633 WEST LYNX ANVENUE
MILWAUKEE, WISCONSIN



NOTES

E: ETHYLBENZENE, ug/l
X: TOTAL XYLENES, ug/l
cis-1,2: cis-1,2-DICHLOROETHENE, ug/l
trans-1,2: trans-1,2-DICHLOROETHENE, ug/l
TCE: TRICHLOROETHENE, ug/l
PCE: TETRACHLOROETHENE, ug/l
MC: METHYLENE CHLORIDE, ug/l
VC: VINYL CHLORIDE, ug/l
ug/l: MICROGRAMS PER LITER
B: THE BLANK ASSOCIATED WITH THIS SAMPLE CONTAINED 91ug/l of MC

LEGEND

- UTILITY POLE
- OVERHEAD UTILITY
- MONITORING WELL LOCATION
- CONCENTRATION WHICH ATTAINS OR EXCEEDS THE NR 140 ENFORCEMENT STANDARD (ES)
- 5 CONCENTRATION WHICH ATTAINS OR EXCEEDS THE NR 140 PREVENTIVE ACITON LIMIT (PAL)

SOURCE: Assessment Documentation Report and other correspondence, Materials Management and Training, Ltd. September 19, 1997

N

0 10 20

SCALE: 1"=20'

DRN. BY:	J.J.J.	DATE:	03/09/00
DSN. BY:	C.M.H.	FILE NO.:	0712007
CHK. BY:	C.M.H.	DWG. NO.:	7120072
REV. BY:	G.L.J.	SHEET NO.:	4

KEY ENGINEERING GROUP LTD.

FIGURE 4
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS

FORMER KEY PRODUCTS, INC.
8627-8633 WEST LYNX ANVENUE
MILWAUKEE, WISCONSIN

ATTACHMENT 1

State of Wisconsin
Department of Natural Resources

Route To:
☐ Solid Waste ☐ Haz. Waste
☐ Emergency Response ☐ Underground Tanks
☐ Wastewater ☐ Water Resources
☐ Other

SOIL BORING LOG INFORMATION
Form 4400-122 7-91

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Key Products, Inc.		MW-2

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
Briohn Environmental Drilling Services,Inc. (EDS) /Mark & Brian	6/25/99	6/25/99	HSA

DNR Facility Well No.	WI Unique Well No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
____	____ ____ ____ ____	MW-2	Feet	Feet	8.25 Inches

Boring Location
State Plane N, E S/C/N
SE 1/4 of NW 1/4 of Section 28 T 8 N,R 21 E
Lat ° ' "
Long ° ' "

Local Grid Location (If applicable)
☐ N ☐ E
Feet ☐ S Feet ☐ W

County	DNR County Code	Civil Town/City/ or Village
Milwaukee	41	Milwaukee

Sample Number	Sample Length (in) Recovered	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	Pocket Penetrometer
				Gravel										
1	15	3 4 4 5	1 2 3	Dark gray topsoil, organic horizon Light brown to brown, stiff silty CLAY	OH CL			2.1 *	9	Dry				
2	10	2 3 4 6	4 5	Brown stiff silty CLAY, mottling, some fine to course gravel	CL			79 *	10	Dry				
3	18	1 7 9 11	6 7 8	Light brown to brown, very stiff silty CLAY, trace of fine gravel, strong odor	CL			218 *	20	Moist				
4	22	4 7 9 13	9 10	Brown, very stiff, silty CLAY	CL			45	22	Moist				
5	24	4 5	11 12	Gray stiff to very stiff, silty CLAY, w/brown mottling	CL			25	17	Moist				

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Michelle L. Burton

Firm KEY ENGINEERING GROUP, LTD.
W66 N215 Commerce Court Cedarburg, WI 53012
Tel: (414)375-4750 Fax: (414)375-9680

This form is authorized by Chapters 144, 147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than $10 nor more than $5,000 for each violation. Fined not less than $10 or more than $100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A 7-91

Boring Number MW-2 Use only as an attachment to Form 4400-122. Page 2 of 2

Sample Number	Sample Length (in) Recovered	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Standard Penetration	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plastic Limit	Soil Properties: P 200	Pocket Penetrometer
		7	13											
		10												
6	12	4	14					20	15	Moist				
		5												
		7	15											
		8												
			16	Blind drilled										
			17											
			18	End of boring at 18.5 feet										

State of Wisconsin
Department of Natural Resources

Route To:
☐ Solid Waste ☐ Haz. Waste
☐ Emergency Response ☐ Underground Tanks
☐ Wastewater ☐ Water Resources
☐ Other

SOIL BORING LOG INFORMATION
Form 4400-122 7-91

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Key Products, Inc.		MW-3

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
Briohn Environmental Drilling Services,Inc. (EDS) /Mark & Brian	6/25/99	6/25/99	HSA

DNR Facility Well No.	WI Unique Well No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
___ ___ ___	___ ___ ___ ___ ___ ___	MW-3	Feet	Feet	8.25 Inches

Boring Location
State Plane N, E S/C/N
SE 1/4 of NW 1/4 of Section 28 T 8 N,R 21 E

Lat ° ' "
Long ° ' "

Local Grid Location (If applicable)
Feet ☐ N ☐ S Feet ☐ E ☐ W

County	DNR County Code	Civil Town/City/ or Village
Milwaukee	41	Milwaukee

Sample Number	Sample Length (in) Recovered	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	Pocket Penetrometer
			1	Gravel										
1	12	2 4 4 5	2	Black organic stiff silty CLAY, w/trace of coarse gravel, asphalt, some mottling (fill)				14	9	D/M				
			3											
2	22	1 3 5 7	4	Brown, stiff to very stiff silty CLAY w/greenish mottling, some fine to coarse gravel, iron staining				4 *	12	Moist				
			5											
3	10	3 6 8 9	6					8	17	Moist				
			7											
			8											
4	23	3 5 6 8	9					1.2	14	Moist				
			10											
5	24	2 5	11	Light brown to brown, very stiff silty CLAY w/greenish-gray mottling and				<1	16	Moist				
			12											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Michelle L. Burton

Firm: KEY ENGINEERING GROUP, LTD.
W66 N215 Commerce Court Cedarburg, WI 53012
Tel: (414)375-4750 Fax: (414)375-9680

This form is authorized by Chapters 144, 147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than $10 nor more than $5,000 for each violation. Fined not less than $10 or more than $100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A 7-91

Boring Number MW-3 Use only as an attachment to Form 4400-122. Page 2 of 2

Sample Number	Sample Length (in) Recovered	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Standard Penetration	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plastic Limit	Soil Properties: P 200	Pocket Penetrometer
		7 9	13	fine to coarse gravel.										
6	6	3 5 6 5	14 15	Grayish brown, stiff, silty CLAY w/fine to coarse gravel	CL			4.7	11	Moist				
			16 17 18	Blind drill										
				End of boring at 18.5 feet.										

State of Wisconsin
Department of Natural Resources

Route To:
☐ Solid Waste ☐ Haz. Waste
☐ Emergency Response ☐ Underground Tanks
☐ Wastewater ☐ Water Resources
☐ Other

SOIL BORING LOG INFORMATION
Form 4400-122 7-91

Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Key Products, Inc.		GP-1

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
Key Engineering Group, Ltd.	9/22/99	9/22/99	Geoprobe

DNR Facility Well No.	WI Unique Well No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet	Feet	1.50 Inches

Boring Location
State Plane N, E S/C/N
SE 1/4 of NW 1/4 of Section 28 T 8 N,R 21 E
Lat ° ' "
Long ° ' "

Local Grid Location (If applicable)
☐ N Feet ☐ E
☐ S Feet ☐ W

County	DNR County Code	Civil Town/City/ or Village
Milwaukee	41	Milwaukee

Sample Number	Sample Length (in) Recovered	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	Pocket Penetrometer
1	20		0	Gravel				<1		Moist				
			1	Brown, silty CLAY, possible fill	CL									
2	24		2	Brown to dark brown, silty CLAY	CL			2 *		Moist				
			3											
3	24		4					10		Mt/Wt				
			5											
4	2		6											
			7	Probe rejected at 7 feet * Sample submitted for laboratory analysis.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature D. Kort

Firm KEY ENGINEERING GROUP, LTD.
W66 N215 Commerce Court Cedarburg, WI 53012
Tel: (414)375-4750 Fax: (414)375-9680

This form is authorized by Chapters 144, 147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than $10 nor more than $5,000 for each violation. Fined not less than $10 or more than $100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats.

State of Wisconsin
Department of Natural Resources

Route To:
☐ Solid Waste ☐ Haz. Waste
☐ Emergency Response ☐ Underground Tanks
☐ Wastewater ☐ Water Resources
☐ Other

SOIL BORING LOG INFORMATION
Form 4400-122 7-91

Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Key Products, Inc.		GP-2

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
Key Engineering Group, Ltd.	9/22/99	9/22/99	Geoprobe

DNR Facility Well No.	WI Unique Well No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet	Feet	1.50 Inches

Boring Location
State Plane N, E S/C/N
SE 1/4 of NW 1/4 of Section 28 T 8 N,R 21 E
Lat ° ' "
Long ° ' "

Local Grid Location (If applicable)
☐ N ☐ E
Feet ☐ S Feet ☐ W

County	DNR County Code	Civil Town/City/ or Village
Milwaukee	41	Milwaukee

Sample Number	Sample Length (in) Recovered	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	Pocket Penetrometer
1	22		0–1	Gravel				<1		Moist				
			1–2	Brown, silty CLAY	CL									
2	16		2–3	Dark brown, silty CLAY	CL			58 *		Mt/Wt				
			3–4	Brown, silty CLAY with a trace of gravel	CL									
3	24		4–5					77		Wet				
			5–6											
			6	End of probe at 6 feet. * Sample submitted for laboratory analysis.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature

Firm KEY ENGINEERING GROUP, LTD.
W66 N215 Commerce Court Cedarburg, WI 53012
Tel: (414)375-4750 Fax: (414)375-9680

This form is authorized by Chapters 144, 147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than $10 nor more than $5,000 for each violation. Fined not less than $10 or more than $100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats.

Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 4-90

Facility/Project Name: Former Key Products, Inc.	Local Grid Location of Well: _____ ft. ☐N. ☐S. _____ ft. ☐E. ☐W.	Well Name: MW-2
Facility License, Permit or Monitoring Number:	Grid Origin Location: Lat. ° ' " Long. ° ' " or	Wis. Unique Well Number / DNR Well Number:
Type of Well: Water Table Observation Well ☒11; Piezometer ☐12	St. Plane _____ ft. N, _____ ft. E.	Date Well Installed: 06/25/1999
Distance Well Is From Waste/Source Boundary: ft.	Section Location of Waste/Source: SE 1/4 of NW 1/4 of Sec. 28 T. 8 N, R. 21 ☒E. ☐W.	Well Installed By: (Person's Name and Firm) Michelle Burton; Key Engineering Group
Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation _____ ft. MSL

C. Land surface elevation _____ ft. MSL

D. Surface seal, bottom _____ ft. MSL or 0.5 ft.

12. USC classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☒ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐50; Hollow Stem Auger ☒41; _____ Other ☐

15. Drilling fluid used: Water ☐02 Air ☐01; Drilling Mud ☐03 None ☒99

16. Drilling additives used? ☐ Yes ☒ No

Describe N/A

17. Source of water (attach analysis):
N/A

E. Bentonite seal, top _____ ft. MSL or 0.5 ft.

F. Fine sand, top _____ ft. MSL or - ft.

G. Filter pack, top _____ ft. MSL or 2.5 ft.

H. Screen joint, top _____ ft. MSL or 3.0 ft.

I. Well bottom _____ ft. MSL or 18.0 ft.

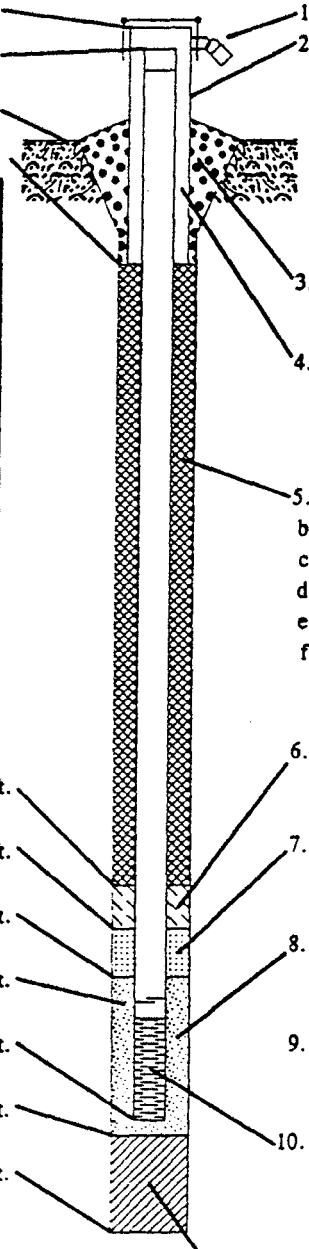
J. Filter pack, bottom _____ ft. MSL or 18.5 ft.

K. Borehole, bottom _____ ft. MSL or 18.5 ft.

L. Borehole, diameter 8.25 in.

M. O.D. well casing 2.37 in.

N. I.D. well casing 2.04 in.



1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 12.0 in.
b. Length: 1.0 ft.
c. Material: _____ Steel ☒04 Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____

3. Surface seal: Bentonite ☐30 Concrete ☒01 _____ Other ☐

4. Material between well casing and protective pipe:
Bentonite ☐30 Annular space seal ☐ Sand Other ☒

5. Annular space seal: a. Granular Bentonite ☐33
b. _____ Lbs/gal mud weight . . Bentonite-sand slurry ☐35
c. _____ Lbs/gal mud weight . . . Bentonite slurry ☐31
d. _____ % Bentonite . . . Bentonite-cement grout ☐50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐01 Tremie pumped ☐02 Gravity ☐08

6. Bentonite seal: a. Bentonite granules ☐33
b. ☐1/4 in. ☒3/8 in. ☐1/2 in. Bentonite pellets ☐32
c. Cetco pure gold chips Other ☒

7. Fine sand material: Manufacturer, product name and mesh size
a. -- ☒
b. Volume added -- ft^3

8. Filter pack material: Manufacturer, product name and mesh size
a. Red flint #30 ☒
b. Volume added _____ ft^3

9. Well casing: Flush threaded PVC schedule 40 ☒23
Flush threaded PVC schedule 80 ☐24
_____ Other ☐ ☒

10. Screen material: PVC ☒
a. Screen Type: Factory cut ☒11 Continuous slot ☐01 _____ Other ☐ ☒
b. Manufacturer Deitrich
c. Slot size: 0.001 in.
d. Slotted length: 15.0 ft.

11. Backfill material (below filter pack): None ☒14 _____ Other ☐ ☒

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Michelle L. Burton Firm: KEY ENGINEERING GROUP, LTD. Tel: (414) 375-4750
W66 N215 Commerce Court Cedarburg, WI 53012 Fax: (414) 375-9680

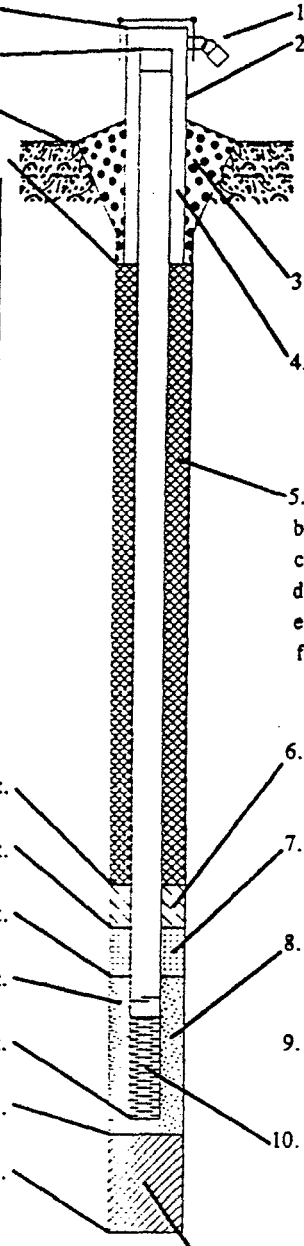
Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.

Department of Natural Resources — Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 4-90

Facility/Project Name: Former Key Products, Inc.	Local Grid Location of Well: _____ ft. ☐N. ☐S. _____ ft. ☐E. ☐W.	Well Name: MW-3
Facility License, Permit or Monitoring Number:	Grid Origin Location: Lat. ° ' " Long. ° ' " or St. Plane _____ ft. N, _____ ft. E.	Wis. Unique Well Number / DNR Well Number:
Type of Well: Water Table Observation Well ☒11; Piezometer ☐12	Section Location of Waste/Source: SE 1/4 of NW 1/4 of Sec. 28 T. 8 N. R. 21 ☒E. ☐W.	Date Well Installed: 06/25/1999
Distance Well Is From Waste/Source Boundary: ft.	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient; d ☐ Downgradient n ☐ Not Known	Well Installed By: (Person's Name and Firm) Michelle Burton; Key Engineering Group
Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No		



A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation _____ ft. MSL

C. Land surface elevation _____ ft. MSL

D. Surface seal, bottom _____ ft. MSL or 0.5 ft.

12. USC classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☒ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☒ 41; _____ Other ☐

15. Drilling fluid used: Water ☐ 02 Air ☐ 01; Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe N/A

17. Source of water (attach analysis): N/A

E. Bentonite seal, top _____ ft. MSL or 0.5 ft.

F. Fine sand, top _____ ft. MSL or - ft.

G. Filter pack, top _____ ft. MSL or 2.5 ft.

H. Screen joint, top _____ ft. MSL or 3.0 ft.

I. Well bottom _____ ft. MSL or 18.0 ft.

J. Filter pack, bottom _____ ft. MSL or 18.5 ft.

K. Borehole, bottom _____ ft. MSL or 18.5 ft.

L. Borehole, diameter 8.25 in.

M. O.D. well casing 2.37 in.

N. I.D. well casing 2.04 in.

1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 12.0 in.
b. Length: 1.0 ft.
c. Material: Steel ☒ 04; _____ Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____

3. Surface seal: Bentonite ☐ 30; Concrete ☒ 01; _____ Other ☐

4. Material between well casing and protective pipe:
Bentonite ☐ 30; Annular space seal ☐; Sand Other ☒

5. Annular space seal: a. Granular Bentonite ☐ 33
b. _____ Lbs/gal mud weight . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ☐ 08

6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite pellets ☐ 32
c. Cetco pure gold chips Other ☒

7. Fine sand material: Manufacturer, product name and mesh size
a. -
b. Volume added - ft^3

8. Filter pack material: Manufacturer, product name and mesh size
a. Red flint #30
b. Volume added _____ ft^3

9. Well casing: Flush threaded PVC schedule 40 ☒ 23; Flush threaded PVC schedule 80 ☐ 24; _____ Other ☐

10. Screen material: PVC
a. Screen Type: Factory cut ☒ 11; Continuous slot ☐ 01; _____ Other ☐
b. Manufacturer Deitrich
c. Slot size: 0.001 in.
d. Slotted length: 15.0 ft.

11. Backfill material (below filter pack): None ☒ 14; _____ Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Michelle L. Burton

Firm: KEY ENGINEERING GROUP, LTD.
W66 N215 Commerce Court Cedarburg, WI 53012

Tel: (414) 375-4750
Fax: (414) 375-9680

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT
Form 4400-113B Rev. 4-90

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ _____

Facility/Project Name	County	Well Name
Former Key Products, Inc.	Milwaukee	MW-2

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well Number
	41		

1. Can this well be purged dry? ☒ Yes ☐ No

2. Well development method:

surged with bailer and bailed	☐	41
surged with bailer and pumped	☐	61
surged with block and bailed	☐	42
surged with block and pumped	☐	62
surged with block, bailed, and pumped	☐	70
compressed air	☐	20
bailed only	☐	10
pumped only	☒	51
pumped slowly	☐	50
other _____	☐	

3. Time spent developing well 66 min.

4. Depth of well (from top of well casing) 17.21 ft.

5. Inside diameter of well 2.04 in.

6. Volume of water in filter pack and well casing 13.51 gal.

7. Volume of water removed from well 9.00 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added NA

10. Analysis performed on water added? ☐ Yes ☒ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 2.91 ft.	13.59 ft.
Date	b. 07/13/1999	07/13/1999
Time	c. 10:30 ☒ a.m. ☐ p.m.	11:36 ☒ a.m. ☐ p.m.
12. Sediment in well bottom	1.00 inches	0.00 inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15	Clear ☒ 20 Turbid ☐ 25
(Describe)	Slightly cloudy yellow water	Very slightly yellow water

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	mg/l	mg/l
15. COD	mg/l	mg/l

16. Additional comments on development:
Purged dry four times.

Well developed by: Person's Name and Firm

Name: Kris King

Firm: KEY ENGINEERING GROUP

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: _____

Print Initials: KT K

Firm: KEY ENGINEERING GROUP, LTD.

NOTE: Shaded areas are for DNR use only. See instructions for more information including a list of county codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT
Form 4400-113B Rev. 4-90

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ _____

Facility/Project Name	County	Well Name
Former Key Products, Inc.	Milwaukee	MW-3
Facility License, Permit or Monitoring Number	**County Code**	**Wis. Unique Well Number** / **DNR Well Number**
	41	

1. Can this well be purged dry? ☒ Yes ☐ No

2. Well development method:

surged with bailer and bailed	☐	41
surged with bailer and pumped	☐	61
surged with block and bailed	☐	42
surged with block and pumped	☐	62
surged with block, bailed, and pumped	☐	70
compressed air	☐	20
bailed only	☐	10
pumped only	☒	51
pumped slowly	☐	50
other _____	☐	

3. Time spent developing well 60 min.

4. Depth of well (from top of well casing) 17.99 ft.

5. Inside diameter of well 2.04 in.

6. Volume of water in filter pack and well casing 10.75 gal.

7. Volume of water removed from well 9.00 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added NA

10. Analysis performed on water added? ☐ Yes ☒ No
(If yes, attach results)

		Before Development	After Development
11. Depth to Water (from top of well casing)	a.	6.61 ft.	18.46 ft.
Date	b.	07/13/1999	07/13/1999
Time	c.	11:40 ☒ a.m. ☐ p.m.	12:40 ☐ a.m. ☒ p.m.
12. Sediment in well bottom		1.00 inches	0.00 inches
13. Water clarity		Clear ☐ 10 Turbid ☒ 15 (Describe) Slightly cloudy yellow water	Clear ☒ 20 Turbid ☐ 25 (Describe) Very slightly yellow water

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	mg/l	mg/l
15. COD	mg/l	mg/l

16. Additional comments on development:
Purged dry four times

Well developed by: Person's Name and Firm

Name: Kris King

Firm: KEY ENGINEERING GROUP

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Kris King

Print Initials: KTK

Firm: KEY ENGINEERING GROUP, LTD.

NOTE: Shaded areas are for DNR use only. See instructions for more information including a list of county codes.

ATTACHMENT 2

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

Date: July 13, 1999

Key Environmental Services, Inc. -- Cedarburg
W66 N215 Commerce Ct
Cedarburg, WI 53012
Attention: Curt Hoffart

Project: 0712007

Enclosed are the results from 3 soil samples and 1 liquid sample received at Great Lakes Analytical on June28, 1999. The requested analyses are listed below:

SAMPLE#	SAMPLE DESCRIPTION	DATE OF COLLECTION	TEST METHOD
9060497-01	Soil: MW-2 3.5-5.5	6/25/99	VOC, EPA 5030/8021 Percent Solids, EPA 7.3.3.1.5
9060497-02	Soil: MW-2 6-8	6/25/99	VOC, EPA 5030/8021 Percent Solids, EPA 7.3.3.1.5
9060497-03	Soil, MW-3 3.5-5.5	6/25/99	VOC, EPA 5030/8021 Percent Solids, EPA 7.3.3.1.5
9060497-04	Liquid: MeOH Blank	6/25/99	VOC, EPA 5030/8021

Please contact me if you have any questions. In the meantime, thank you for the opportunity to work with you on this project.

Very truly yours,

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director

Accreditations/Certifications: Illinois EPA-100261; New Jersey DEP-54001;
USACE; Wisconsin DNR-399917160

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

Key Environmental Services, Inc.	Client Project ID:	0712007	Sampled:	Jun 25, 1999
W66 N215 Commerce Ct	Sample Descript:	Soil: MW-2 3.5-5.5	Received:	Jun 28, 1999
Cedarburg, WI 53012	Analysis Method:	EPA 5030/8021		
Attention: Curt Hoffart	Lab Number:	9060497-01	Analyzed:	Jul 10, 1999
			Reported:	Jul 13, 1999

WDNR VOLATILE ORGANIC COMPOUNDS (5030/8021)

Analyte	Method Detection Limit µg/kg	Practical Quanitation Limit µg/kg	WDNR Reporting Limit µg/kg Wet Weight	Sample Results µg/kg Dry Weight
Benzene	2.6	8.1	1,300	N.D.
Bromobenzene	6.9	22	1,300	N.D.
Bromodichloromethane	5.1	16	1,300	N.D.
n-Butylbenzene	9.6	31	1,300	N.D.
sec-Butylbenzene	6.0	19	1,300	N.D.
tert-Butylbenzene	6.1	19	1,300	N.D.
Carbon tetrachloride	3.0	9.4	1,300	N.D.
Chlorobenzene	6.2	20	1,300	N.D.
Chloroethane	13	40	1,300	N.D.
Chloroform	3.8	12	1,300	N.D.
Chloromethane	8.1	26	1,300	N.D.
2-Chlorotoluene	6.7	21	1,300	N.D.
4-Chlorotoluene	9.8	31	1,300	N.D.
Dibromochloromethane	6.2	20	1,300	N.D.
1,2-Dibromo-3-chloropropane	11	34	1,300	N.D.
1,2-Dibromoethane	8.4	27	1,300	N.D.
1,2-Dichlorobenzene	5.4	17	1,300	N.D.
1,3-Dichlorobenzene	7.1	23	1,300	N.D.
1,4-Dichlorobenzene	7.6	24	1,300	N.D.
Dichlorodifluoromethane	11	35	1,300	N.D.
1,1-Dichloroethane	7.2	23	1,300	N.D.
1,2-Dichloroethane	2.3	7.5	1,300	N.D.
1,1-Dichloroethene	5.7	18	1,300	N.D.
cis-1,2-Dichloroethene	6.0	19	1,300	N.D.
trans-1,2-Dichloroethene	5.4	17	1,300	N.D.
1,2-Dichloropropane	3.6	12	1,300	N.D.
1,3-Dichloropropane	6.1	19	1,300	N.D.
2,2-Dichloropropane	9.3	30	1,300	N.D.
Di-Isopropyl-Ether	5.3	17	1,300	N.D.
Ethyl Benzene	3.5	11	1,300	N.D.

Accreditations/Certifications: Illinois EPA-100261; New Jersey DEP-54001;
USACE; Wisconsin DNR-999917160

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

Key Environmental Services, Inc.	Client Project ID:	0712007	Sampled:	Jun 25, 1999
W66 N215 Commerce Ct	Sample Descript:	Soil: MW-2 3.5-5.5	Received:	Jun 28, 1999
Cedarburg, WI 53012	Analysis Method:	EPA 5030/8021		
Attention: Curt Hoffart	Lab Number:	9060497-01	Analyzed:	Jul 10, 1999
			Reported:	Jul 13, 1999

WDNR VOLATILE ORGANIC COMPOUNDS (5030/8021)

Analyte	Method Detection Limit µg/kg	Practical Quanitation Limit µg/kg	WDNR Reporting Limit µg/kg Wet Weight	Sample Results µg/kg Dry Weight
Hexachlorobutadiene	16	51	1,300	N.D.
Isopropylbenzene	3.5	11	1,300	N.D.
p-Isopropyltoluene	9.8	31	1,300	N.D.
Methylene chloride	34	110	5,000	N.D.
Methyl-tert-Butyl-Ether	6.6	21	1,300	N.D.
Napthalene	7.4	24	1,300	N.D.
n-Propylbenzene	8.4	27	1,300	N.D.
1,1,2,2-Tetrachloroethane	8.9	28	1,300	N.D.
Tetrachloroethene	5.2	16	1,300	99,000
Toluene	3.4	11	1,300	N.D.
1,2,3-Trichlorobenzene	8.5	27	1,300	N.D.
1,2,4-Trichlorobenzene	7.3	23	1,300	N.D.
1,1,1-Trichloroethane	5.6	18	1,300	N.D.
1,1,2-Trichloroethane	4.6	15	1,300	N.D.
Trichloroethene	6.2	20	1,300	2,000
Trichlorofluoromethane	8.1	26	1,300	N.D.
1,2,4-Trimethylbenzene	5.0	16	1,300	N.D.
1,3,5-Trimethylbenzene	6.2	20	1,300	N.D.
Vinyl chloride	8.2	26	1,300	N.D.
Total Xylenes	6.6	21	1,300	N.D.

Analytes reported as N.D. were not present above the stated limit of reporting. Because matrix effects and/or other factors required additional sample dilution, reporting limits for this sample have been raised.

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director

906049701.KEY <3>

Accreditations/Certifications: Illinois EPA-100261; New Jersey DEP-54001;
USACE; Wisconsin DNR-999917160

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

Key Environmental Services, Inc. – Client Project ID: 0712007
W66 N215 Commerce Ct Sample Descript: Soil: MW-2 6-8
Cedarburg, WI 53012 Analysis Method: EPA 5030/8021
Attention: Curt Hoffart Lab Number: 9060497-02

Sampled: Jun 25, 1999
Received: Jun 28, 1999
Analyzed: Jul 10, 1999
Reported: Jul 13, 1999

WDNR VOLATILE ORGANIC COMPOUNDS (5030/8021)

Analyte	Method Detection Limit µg/kg	Practical Quanitation Limit µg/kg	WDNR Reporting Limit µg/kg Wet Weight	Sample Results µg/kg Dry Weight
Benzene	2.6	8.1	25,000	N.D.
Bromobenzene	6.9	22	25,000	N.D.
Bromodichloromethane	5.1	16	25,000	N.D.
n-Butylbenzene	9.6	31	25,000	N.D.
sec-Butylbenzene	6.0	19	25,000	N.D.
tert-Butylbenzene	6.1	19	25,000	N.D.
Carbon tetrachloride	3.0	9.4	25,000	N.D.
Chlorobenzene	6.2	20	25,000	N.D.
Chloroethane	13	40	25,000	N.D.
Chloroform	3.8	12	25,000	N.D.
Chloromethane	8.1	26	25,000	N.D.
2-Chlorotoluene	6.7	21	25,000	N.D.
4-Chlorotoluene	9.8	31	25,000	N.D.
Dibromochloromethane	6.2	20	25,000	N.D.
1,2-Dibromo-3-chloropropane	11	34	25,000	N.D.
1,2-Dibromoethane	8.4	27	25,000	N.D.
1,2-Dichlorobenzene	5.4	17	25,000	N.D.
1,3-Dichlorobenzene	7.1	23	25,000	N.D.
1,4-Dichlorobenzene	7.6	24	25,000	N.D.
Dichlorodifluoromethane	11	35	25,000	N.D.
1,1-Dichloroethane	7.2	23	25,000	N.D.
1,2-Dichloroethane	2.3	7.5	25,000	N.D.
1,1-Dichloroethene	5.7	18	25,000	N.D.
cis-1,2-Dichloroethene	6.0	19	25,000	N.D.
trans-1,2-Dichloroethene	5.4	17	25,000	N.D.
1,2-Dichloropropane	3.6	12	25,000	N.D.
1,3-Dichloropropane	6.1	19	25,000	N.D.
2,2-Dichloropropane	9.3	30	25,000	N.D.
Di-Isopropyl-Ether	5.3	17	25,000	N.D.
Ethyl Benzene	3.5	11	25,000	N.D.

Accreditations/Certifications: Illinois EPA-100261; New Jersey DEP-54001;
USACE: Wisconsin DNR-999917160

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

Key Environmental Services, Inc.	-- Client Project ID:	0712007	Sampled:	Jun 25, 1999
W66 N215 Commerce Ct	Sample Descript:	Soil: MW-2 6-8	Received:	Jun 28, 1999
Cedarburg, WI 53012	Analysis Method:	EPA 5030/8021		
Attention: Curt Hoffart	Lab Number:	9060497-02	Analyzed:	Jul 10, 1999
			Reported:	Jul 13, 1999

WDNR VOLATILE ORGANIC COMPOUNDS (5030/8021)

Analyte	Method Detection Limit µg/kg	Practical Quanitation Limit µg/kg	WDNR Reporting Limit µg/kg Wet Weight	Sample Results µg/kg Dry Weight
Hexachlorobutadiene	16	51	25,000	N.D.
Isopropylbenzene	3.5	11	25,000	N.D.
p-Isopropyltoluene	9.8	31	25,000	N.D.
Methylene chloride	34	110	100,000	N.D.
Methyl-tert-Butyl-Ether	6.6	21	25,000	N.D.
Napthalene	7.4	24	25,000	N.D.
n-Propylbenzene	8.4	27	25,000	N.D.
1,1,2,2-Tetrachloroethane	8.9	28	25,000	N.D.
Tetrachloroethene	5.2	16	25,000	4,400,000
Toluene	3.4	11	25,000	N.D.
1,2,3-Trichlorobenzene	8.5	27	25,000	N.D.
1,2,4-Trichlorobenzene	7.3	23	25,000	N.D.
1,1,1-Trichloroethane	5.6	18	25,000	N.D.
1,1,2-Trichloroethane	4.6	15	25,000	N.D.
Trichloroethene	6.2	20	25,000	N.D.
Trichlorofluoromethane	8.1	26	25,000	N.D.
1,2,4-Trimethylbenzene	5.0	16	25,000	N.D.
1,3,5-Trimethylbenzene	6.2	20	25,000	N.D.
Vinyl chloride	8.2	26	25,000	N.D.
Total Xylenes	6.6	21	25,000	N.D.

Analytes reported as N.D. were not present above the stated limit of reporting. Because matrix effects and/or other factors required additional sample dilution, reporting limits for this sample have been raised.

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director

906049701.KEY <3>

Accreditations/Certifications: Illinois EPA-100261; New Jersey DEP-54001;
USACE; Wisconsin DNR-999917160

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

Key Environmental Services, Inc.	Client Project ID:	0712007	Sampled:	Jun 25, 1999
W66 N215 Commerce Ct	Sample Descript:	Soil: MW-3 3.5-5.5	Received:	Jun 28, 1999
Cedarburg, WI 53012	Analysis Method:	EPA 5030/8021		
Attention: Curt Hoffart	Lab Number:	9060497-03	Analyzed:	Jun 12, 1999
			Reported:	Jun 13, 1999

WDNR VOLATILE ORGANIC COMPOUNDS (5030/8021)

Analyte	Method Detection Limit µg/kg	Practical Quanitation Limit µg/kg	WDNR Reporting Limit µg/kg Wet Weight	Sample Results µg/kg Dry Weight
Benzene	2.6	8.1	25	N.D.
Bromobenzene	6.9	22	25	N.D.
Bromodichloromethane	5.1	16	25	N.D.
n-Butylbenzene	9.6	31	25	N.D.
sec-Butylbenzene	6.0	19	25	N.D.
tert-Butylbenzene	6.1	19	25	N.D.
Carbon tetrachloride	3.0	9.4	25	N.D.
Chlorobenzene	6.2	20	25	N.D.
Chloroethane	13	40	25	N.D.
Chloroform	3.8	12	25	N.D.
Chloromethane	8.1	26	25	N.D.
2-Chlorotoluene	6.7	21	25	N.D.
4-Chlorotoluene	9.8	31	25	N.D.
Dibromochloromethane	6.2	20	25	N.D.
1,2-Dibromo-3-chloropropane	11	34	25	N.D.
1,2-Dibromoethane	8.4	27	25	N.D.
1,2-Dichlorobenzene	5.4	17	25	N.D.
1,3-Dichlorobenzene	7.1	23	25	N.D.
1,4-Dichlorobenzene	7.6	24	25	N.D.
Dichlorodifluoromethane	11	35	25	N.D.
1,1-Dichloroethane	7.2	23	25	N.D.
1,2-Dichloroethane	2.3	7.5	25	N.D.
1,1-Dichloroethene	5.7	18	25	N.D.
cis-1,2-Dichloroethene	6.0	19	25	N.D.
trans-1,2-Dichloroethene	5.4	17	25	N.D.
1,2-Dichloropropane	3.6	12	25	N.D.
1,3-Dichloropropane	6.1	19	25	N.D.
2,2-Dichloropropane	9.3	30	25	N.D.
Di-Isopropyl-Ether	5.3	17	25	N.D.
Ethyl Benzene	3.5	11	25	N.D.

Accreditations/Certifications: Illinois EPA-100261; New Jersey DEP-54001;
USACE; Wisconsin DNR-999917160

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

Key Environmental Services, Inc.	Client Project ID:	0712007	Sampled:	Jun 25, 1999
W66 N215 Commerce Ct	Sample Descript:	Soil: MW-3 3.5-5.5	Received:	Jun 28, 1999
Cedarburg, WI 53012	Analysis Method:	EPA 5030/8021		
Attention: Curt Hoffart	Lab Number:	9060497-03	Analyzed:	Jun 12, 1999
			Reported:	Jun 13, 1999

WDNR VOLATILE ORGANIC COMPOUNDS (5030/8021)

Analyte	Method Detection Limit µg/kg	Practical Quanitation Limit µg/kg	WDNR Reporting Limit µg/kg Wet Weight	Sample Results µg/kg Dry Weight
Hexachlorobutadiene	16	51	25	N.D.
Isopropylbenzene	3.5	11	25	N.D.
p-Isopropyltoluene	9.8	31	25	N.D.
Methylene chloride	34	110	100	N.D.
Methyl-tert-Butyl-Ether	6.6	21	25	N.D.
Napthalene	7.4	24	25	N.D.
n-Propylbenzene	8.4	27	25	N.D.
1,1,2,2-Tetrachloroethane	8.9	28	25	N.D.
Tetrachloroethene	5.2	16	25	53
Toluene	3.4	11	25	N.D.
1,2,3-Trichlorobenzene	8.5	27	25	N.D.
1,2,4-Trichlorobenzene	7.3	23	25	N.D.
1,1,1-Trichloroethane	5.6	18	25	N.D.
1,1,2-Trichloroethane	4.6	15	25	N.D.
Trichloroethene	6.2	20	25	N.D.
Trichlorofluoromethane	8.1	26	25	N.D.
1,2,4-Trimethylbenzene	5.0	16	25	N.D.
1,3,5-Trimethylbenzene	6.2	20	25	N.D.
Vinyl chloride	8.2	26	25	N.D.
Total Xylenes	6.6	21	25	N.D.

Analytes reported as N.D. were not present above the WDNR Reporting Limit IN WET WEIGHT as specified in Release News, Volume 4, Number 3, July 1994.

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director

906049701.KEY <7>

Accreditations/Certifications: Illinois EPA-100261; New Jersey DEP-54001;
USACE: Wisconsin DNR-999917160

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

Key Environmental Services, Inc. — Client Project ID: 0712007
W66 N215 Commerce Ct — Sample Descript: Liquid: MeOH Blank
Cedarburg, WI 53012 — Analysis Method: EPA 5030/8021
Attention: Curt Hoffart — Lab Number: 9060497-04

Sampled: Jun 25, 1999
Received: Jun 28, 1999
Analyzed: Jul 12, 1999
Reported: Jul 13, 1999

WDNR VOLATILE ORGANIC COMPOUNDS (5030/8021)

Analyte	Method Detection Limit µg/L	Practical Quanitation Limit µg/L	WDNR Reporting Limit µg/L	Sample Results µg/L
Benzene	2.6	8.1	25	N.D.
Bromobenzene	6.9	22	25	N.D.
Bromodichloromethane	5.1	16	25	N.D.
n-Butylbenzene	9.6	31	25	N.D.
sec-Butylbenzene	6.0	19	25	N.D.
tert-Butylbenzene	6.1	19	25	N.D.
Carbon tetrachloride	3.0	9.4	25	670
Chlorobenzene	6.2	20	25	1,100
Chloroethane	13	40	25	N.D.
Chloroform	3.8	12	25	N.D.
Chloromethane	8.1	26	25	N.D.
2-Chlorotoluene	6.7	21	25	N.D.
4-Chlorotoluene	9.8	31	25	N.D.
Dibromochloromethane	6.2	20	25	N.D.
1,2-Dibromo-3-chloropropane	11	34	25	N.D.
1,2-Dibromoethane	8.4	27	25	N.D.
1,2-Dichlorobenzene	5.4	17	25	N.D.
1,3-Dichlorobenzene	7.1	23	25	N.D.
1,4-Dichlorobenzene	7.6	24	25	1,100
Dichlorodifluoromethane	11	35	25	N.D.
1,1-Dichloroethane	7.2	23	25	N.D.
1,2-Dichloroethane	2.3	7.5	25	N.D.
1,1-Dichloroethene	5.7	18	25	N.D.
cis-1,2-Dichloroethene	6.0	19	25	N.D.
trans-1,2-Dichloroethene	5.4	17	25	N.D.
1,2-Dichloropropane	3.6	12	25	N.D.
1,3-Dichloropropane	6.1	19	25	N.D.
2,2-Dichloropropane	9.3	30	25	N.D.
Di-Isopropyl-Ether	5.3	17	25	N.D.
Ethyl Benzene	3.5	11	25	N.D.

Accreditations/Certifications: Illinois EPA-100261; New Jersey DEP-54001;
USACE: Wisconsin DNR-999917160

REAT
AKES
NALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

ıbs.com
:47) 808-7772

ıental Services, Inc. --	Client Project ID:	0712007	Sampled:	Jun 25, 1999
ɔmmerce Ct	Sample Descript:	Liquid: MeOH Blank	Received:	Jun 28, 1999
/I 53012	Analysis Method:	EPA 5030/8021		
:rt Hoffart	Lab Number:	9060497-04	Analyzed:	Jul 12, 1999
			Reported:	Jul 13, 1999

Jun 25, 1999
Jun 28, 1999

Jul 12, 1999
Jul 13, 1999

WDNR VOLATILE ORGANIC COMPOUNDS (5030/8021)

	Method Detection Limit µg/L	Practical Quanitation Limit µg/L		WDNR Reporting Limit µg/L		Sample Results µg/L
utadiene.....	16	51	.....	25	.....	N.D.
ızene.....	3.5	11	.....	25	.....	N.D.
ɔluene.....	9.8	31	.....	25	.....	N.D.
ıloride.....	34	110	.....	100	.....	N.D.
Butyl-Ether.....	6.6	21	.....	25	.....	N.D.
.....	7.4	24	.....	25	.....	N.D.
zene.....	8.4	27	.....	25	.....	N.D.
achloroethane.....	8.9	28	.....	25	.....	N.D.
ethene.....	5.2	16	.....	25	.....	N.D.
.....	3.4	11	.....	25	.....	N.D.
ɔrobenzene.....	8.5	27	.....	25	.....	N.D.
ɔrobenzene.....	7.3	23	.....	25	.....	N.D.
ɔroethane.....	5.6	18	.....	25	.....	N.D.
ɔroethane.....	4.6	15	.....	25	.....	N.D.
.ene.....	6.2	20	.....	25	.....	N.D.
ɔromethane.....	8.1	26	.....	25	.....	N.D.
thylbenzene.....	5.0	16	.....	25	.....	N.D.
thylbenzene.....	6.2	20	.....	25	.....	N.D.
de.....	8.2	26	.....	25	.....	N.D.
es.....	6.6	21	.....	25	.....	N.D.

eported as N.D. were not present above the WDNR Reporting Limit IN WET WEIGHT as specified in
ews, Volume 4, Number 3, July 1994.

AKES ANALYTICAL

Keeley
/ Director

906049701.KEY <9>

Accreditations/Certifications: Illinois EPA-100261; New Jersey DEP-54001;
USACE; Wisconsin DNR-999917160

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

Key Environmental Services, Inc.	Client Project ID:	0712007	Sampled:	Jun 25, 1999
W66 N215 Commerce Ct	Sample Descript:	Liquid: MeOH Blank	Received:	Jun 28, 1999
Cedarburg, WI 53012	Analysis Method:	EPA 5030/8021		
Attention: Curt Hoffart	Lab Number:	9060497-04	Analyzed:	Jul 12, 1999
			Reported:	Jul 13, 1999

WDNR VOLATILE ORGANIC COMPOUNDS (5030/8021)

Analyte	Method Detection Limit µg/L	Practical Quanitation Limit µg/L	WDNR Reporting Limit µg/L	Sample Results µg/L
Hexachlorobutadiene	16	51	25	N.D.
Isopropylbenzene	3.5	11	25	N.D.
p-Isopropyltoluene	9.8	31	25	N.D.
Methylene chloride	34	110	100	N.D.
Methyl-tert-Butyl-Ether	6.6	21	25	N.D.
Napthalene	7.4	24	25	N.D.
n-Propylbenzene	8.4	27	25	N.D.
1,1,2,2-Tetrachloroethane	8.9	28	25	N.D.
Tetrachloroethene	5.2	16	25	N.D.
Toluene	3.4	11	25	N.D.
1,2,3-Trichlorobenzene	8.5	27	25	N.D.
1,2,4-Trichlorobenzene	7.3	23	25	N.D.
1,1,1-Trichloroethane	5.6	18	25	N.D.
1,1,2-Trichloroethane	4.6	15	25	N.D.
Trichloroethene	6.2	20	25	N.D.
Trichlorofluoromethane	8.1	26	25	N.D.
1,2,4-Trimethylbenzene	5.0	16	25	N.D.
1,3,5-Trimethylbenzene	6.2	20	25	N.D.
Vinyl chloride	8.2	26	25	N.D.
Total Xylenes	6.6	21	25	N.D.

Analytes reported as N.D. were not present above the WDNR Reporting Limit IN WET WEIGHT as specified in Release News, Volume 4, Number 3, July 1994.

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director

906049701.KEY

Accreditations/Certifications: Illinois EPA-100261; New Jersey DEP-54001;
USACE; Wisconsin DNR-999917160

GREAT LAKES ANALYTICAL

CHAIN OF CUSTODY REPORT

1380 Busch Parkway
Buffalo Grove, IL 60089-4505
(847) 808-7766
FAX (847) 808-7772

20725 Watertown Road
Brookfield, WI 53501
(414) 798-1039
FAX (414) 798-1066

Client: Key Engineering Group Ltd
Address: W66 N215 Commerce Ct
Cedarburg, WI 53012
Report to: Curt Hoffarth Phone #: (414) 375-4765 Fax #: (414)

Bill To: SAIC (accounting)
Address:
State & Program:
Phone #: ( ) Fax #: ( )

TAT: (5 DAY) 4 DAY 3 DAY 2 DAY 1 DAY < 24 HRS.
DATE RESULTS NEEDED: 7-6-99
TEMPERATURE UPON RECEIPT: on ice
AIR BILL NO. GLAP1U

Project: 07127.007
Sampler: Michelle Burton
PO/Quote #: DK90615B

	FIELD ID, LOCATION	DATE COLLECTED	TIME COLLECTED	SAMPLE MATRIX	PRESERVATIVES	NO. CONTAINERS	TYPE CONTAINERS	VOC (8021)	ANALYSIS TYPE	SAMPLE CONTROL: CRACKED/BROKEN	SAMPLE CONTROL: IMPROPERLY SEALED	SAMPLE CONTROL: GOOD CONDITION	LABORATORY ID NUMBER
1	MW-2 (3½-5½)	6/25/99	855	Soil	MeOH	1	2oz	X				X	9906497-01
					—	1	4oz						
2	MW-2 (6-8)		900					X				X	9906497-02
3	MW-3 (3½-5½)		1125					X				X	9906497-03
4	~~MW-3 (13½-15½)~~		1155					X					Don't submit per CMH
5	MEOH Blank		1155	MeOH	MeOH	1	2oz	X				X	9906497-04
6													
7													
8													
9													
10													

RELINQUISHED Michelle Burton DATE 06/28/99 TIME 9:40
RECEIVED K Ostrander DATE 06/28/99 TIME 9:40
RELINQUISHED K Ostrander DATE 06/28/99 TIME
RECEIVED Amy Lessner DATE 6/28 TIME

COMMENTS:

JG9569.19E

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

Date: October 4, 1999

Key Environmental Services, Inc.
W66 N215 Commerce Ct
Cedarburg, WI 53012
Attention: Curt Hoffart

Project: Former Key Products

Enclosed are the results from 2 soil samples and 1 liquid sample received at Great Lakes Analytical on September 23, 1999. The requested analyses are listed below:

SAMPLE#	SAMPLE DESCRIPTION	DATE OF COLLECTION	TEST METHOD
B909414-01	Soil: GP-1	9/22/99	VOC, EPA 5030/8021
B909414-02	Soil: GP-2	9/22/99	VOC, EPA 5030/8021
B909414-03	Liquid: MeOH Blank	9/22/99	VOC, EPA 5030/8021

Please contact me if you have any questions. In the meantime, thank you for the opportunity to work with you on this project.

Very truly yours,

GREAT LAKES ANALYTICAL

S. Patel

Kevin W. Keeley
Laboratory Director

Accreditations/Certifications: Illinois EPA-100261; New Jersey DEP-54001;
USACE; Wisconsin DNR-999917160

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

Key Environmental Services, Inc.	Client Project ID:	Former Key Products	Sampled:	Sep 22, 1999
W66 N215 Commerce Ct	Sample Descript:	Soil: GP-1	Received:	Sep 23, 1999
Cedarburg, WI 53012	Analysis Method:	EPA 5030/8021		
Attention: Curt Hoffart	Lab Number:	B909414-01	Analyzed:	Sep 30, 1999
			Reported:	Oct 4, 1999

WDNR VOLATILE ORGANIC COMPOUNDS (5030/8021)

Analyte	Method Detection Limit µg/kg	Practical Quanitation Limit µg/kg	WDNR Reporting Limit µg/kg Wet Weight	Sample Results µg/kg Wet Weight
Benzene	2.6	8.1	25	N.D.
Bromobenzene	6.9	22	25	N.D.
Bromodichloromethane	5.1	16	25	N.D.
n-Butylbenzene	9.6	31	25	N.D.
sec-Butylbenzene	6.0	19	25	N.D.
tert-Butylbenzene	6.1	19	25	N.D.
Carbon tetrachloride	3.0	9.4	25	N.D.
Chlorobenzene	6.2	20	25	N.D.
Chloroethane	13	40	25	N.D.
Chloroform	3.8	12	25	N.D.
Chloromethane	8.1	26	25	N.D.
2-Chlorotoluene	6.7	21	25	N.D.
4-Chlorotoluene	9.8	31	25	N.D.
Dibromochloromethane	6.2	20	25	N.D.
1,2-Dibromo-3-chloropropane	11	34	25	N.D.
1,2-Dibromoethane	8.4	27	25	N.D.
1,2-Dichlorobenzene	5.4	17	25	N.D.
1,3-Dichlorobenzene	7.1	23	25	N.D.
1,4-Dichlorobenzene	7.6	24	25	N.D.
Dichlorodifluoromethane	11	35	25	N.D.
1,1-Dichloroethane	7.2	23	25	N.D.
1,2-Dichloroethane	2.3	7.5	25	N.D.
1,1-Dichloroethene	5.7	18	25	N.D.
cis-1,2-Dichloroethene	6.0	19	25	N.D.
trans-1,2-Dichloroethene	5.4	17	25	N.D.
1,2-Dichloropropane	3.6	12	25	N.D.
1,3-Dichloropropane	6.1	19	25	N.D.
2,2-Dichloropropane	9.3	30	25	N.D.
Di-Isopropyl-Ether	5.3	17	25	N.D.
Ethyl Benzene	3.5	11	25	N.D.

Accreditations/Certifications: Illinois EPA-100261; New Jersey DEP-54C01;
USACE; Wisconsin DNR-999917160

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

Key Environmental Services, Inc.	Client Project ID:	Former Key Products	Sampled:	Sep 22, 1999
W66 N215 Commerce Ct	Sample Descript:	Soil: GP-1	Received:	Sep 23, 1999
Cedarburg, WI 53012	Analysis Method:	EPA 5030/8021		
Attention: Curt Hoffart	Lab Number:	B909414-01	Analyzed:	Sep 30, 1999
			Reported:	Oct 4, 1999

WDNR VOLATILE ORGANIC COMPOUNDS (5030/8021)

Analyte	Method Detection Limit µg/kg	Practical Quanitation Limit µg/kg	WDNR Reporting Limit µg/kg Wet Weight	Sample Results µg/kg Wet Weight
Hexachlorobutadiene	16	51	25	N.D.
Isopropylbenzene	3.5	11	25	N.D.
p-Isopropyltoluene	9.8	31	25	N.D.
Methylene chloride	34	110	100	410B
Methyl-tert-Butyl-Ether	6.6	21	25	N.D.
Napthalene	7.4	24	25	N.D.
n-Propylbenzene	8.4	27	25	N.D.
1,1,2,2-Tetrachloroethane	8.9	28	25	N.D.
Tetrachloroethene	5.2	16	25	880
Toluene	3.4	11	25	N.D.
1,2,3-Trichlorobenzene	8.5	27	25	N.D.
1,2,4-Trichlorobenzene	7.3	23	25	N.D.
1,1,1-Trichloroethane	5.6	18	25	N.D.
1,1,2-Trichloroethane	4.6	15	25	N.D.
Trichloroethene	6.2	20	25	N.D.
Trichlorofluoromethane	8.1	26	25	N.D.
1,2,4-Trimethylbenzene	5.0	16	25	N.D.
1,3,5-Trimethylbenzene	6.2	20	25	N.D.
Vinyl chloride	8.2	26	25	N.D.
Total Xylenes	6.6	21	25	N.D.

Analytes reported as N.D. were not present above the WDNR Reporting Limit IN WET WEIGHT as specified in Release News, Volume 4, Number 3, July 1994.

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director

Please Note:
B= The blank associated with this sample contained 19 ppb of Methylene Chloride.

Accreditations/Certifications: Illinois EPA-100261; New Jersey DEP-54001;
USACE; Wisconsin DNR-999917160

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

Key Environmental Services, Inc.	Client Project ID:	Former Key Products	Sampled:	Sep 22, 1999
W66 N215 Commerce Ct	Sample Descript:	Soil: GP-2	Received:	Sep 23, 1999
Cedarburg, WI 53012	Analysis Method:	EPA 5030/8021		
Attention: Curt Hoffart	Lab Number:	B909414-02	Analyzed:	Sep 30, 1999
			Reported:	Oct 4, 1999

WDNR VOLATILE ORGANIC COMPOUNDS (5030/8021)

Analyte	Method Detection Limit µg/kg	Practical Quanitation Limit µg/kg	WDNR Reporting Limit µg/kg Wet Weight	Sample Results µg/kg Wet Weight
Benzene	2.6	8.1	25	N.D.
Bromobenzene	6.9	22	25	N.D.
Bromodichloromethane	5.1	16	25	N.D.
n-Butylbenzene	9.6	31	25	N.D.
sec-Butylbenzene	6.0	19	25	N.D.
tert-Butylbenzene	6.1	19	25	N.D.
Carbon tetrachloride	3.0	9.4	25	N.D.
Chlorobenzene	6.2	20	25	N.D.
Chloroethane	13	40	25	N.D.
Chloroform	3.8	12	25	N.D.
Chloromethane	8.1	26	25	N.D.
2-Chlorotoluene	6.7	21	25	N.D.
4-Chlorotoluene	9.8	31	25	N.D.
Dibromochloromethane	6.2	20	25	N.D.
1,2-Dibromo-3-chloropropane	11	34	25	N.D.
1,2-Dibromoethane	8.4	27	25	N.D.
1,2-Dichlorobenzene	5.4	17	25	N.D.
1,3-Dichlorobenzene	7.1	23	25	N.D.
1,4-Dichlorobenzene	7.6	24	25	N.D.
Dichlorodifluoromethane	11	35	25	N.D.
1,1-Dichloroethane	7.2	23	25	N.D.
1,2-Dichloroethane	2.3	7.5	25	N.D.
1,1-Dichloroethene	5.7	18	25	N.D.
cis-1,2-Dichloroethene	6.0	19	25	420
trans-1,2-Dichloroethene	5.4	17	25	N.D.
1,2-Dichloropropane	3.6	12	25	N.D.
1,3-Dichloropropane	6.1	19	25	N.D.
2,2-Dichloropropane	9.3	30	25	N.D.
Di-Isopropyl-Ether	5.3	17	25	N.D.
Ethyl Benzene	3.5	11	25	N.D.

Accreditations/Certifications: Illinois EPA-100261; New Jersey DEP-54CC*;
USACE; Wisconsin DNR-999917160

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

Key Environmental Services, Inc.	Client Project ID:	Former Key Products	Sampled:	Sep 22, 1999
W66 N215 Commerce Ct	Sample Descript:	Soil: GP-2	Received:	Sep 23, 1999
Cedarburg, WI 53012	Analysis Method:	EPA 5030/8021		
Attention: Curt Hoffart	Lab Number:	B909414-02	Analyzed:	Sep 30, 1999
			Reported:	Oct 4, 1999

WDNR VOLATILE ORGANIC COMPOUNDS (5030/8021)

Analyte	Method Detection Limit µg/kg	Practical Quanitation Limit µg/kg	WDNR Reporting Limit µg/kg Wet Weight	Sample Results µg/kg Wet Weight
Hexachlorobutadiene	16	51	25	N.D.
Isopropylbenzene	3.5	11	25	N.D.
p-Isopropyltoluene	9.8	31	25	N.D.
Methylene chloride	34	110	100	140B
Methyl-tert-Butyl-Ether	6.6	21	25	N.D.
Napthalene	7.4	24	25	N.D.
n-Propylbenzene	8.4	27	25	N.D.
1,1,2,2-Tetrachloroethane	8.9	28	25	N.D.
Tetrachloroethene	5.2	16	25	1,600
Toluene	3.4	11	25	N.D.
1,2,3-Trichlorobenzene	8.5	27	25	N.D.
1,2,4-Trichlorobenzene	7.3	23	25	N.D.
1,1,1-Trichloroethane	5.6	18	25	N.D.
1,1,2-Trichloroethane	4.6	15	25	N.D.
Trichloroethene	6.2	20	25	550
Trichlorofluoromethane	8.1	26	25	N.D.
1,2,4-Trimethylbenzene	5.0	16	25	N.D.
1,3,5-Trimethylbenzene	6.2	20	25	N.D.
Vinyl chloride	8.2	26	25	N.D.
Total Xylenes	6.6	21	25	N.D.

Analytes reported as N.D. were not present above the WDNR Reporting Limit IN WET WEIGHT as specified in Release News, Volume 4, Number 3, July 1994.

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director

Please Note:
B= The blank associated with this sample contained 19 ppb of Methylene Chloride.

Accreditations/Certifications: Illinois EPA-100281; New Jersey DEP-54001;
USACE; Wisconsin DNR-999917160

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

Key Environmental Services, Inc.	Client Project ID:	Former Key Products	Sampled:	Sep 22, 1999
W66 N215 Commerce Ct	Sample Descript:	Liquid: MeOH Blank	Received:	Sep 23, 1999
Cedarburg, WI 53012	Analysis Method:	EPA 5030/8021		
Attention: Curt Hoffart	Lab Number:	B909414-03	Analyzed:	Sep 30, 1999
			Reported:	Oct 4, 1999

WDNR VOLATILE ORGANIC COMPOUNDS (5030/8021)

Analyte	Method Detection Limit µg/kg	Practical Quanitation Limit µg/kg	WDNR Reporting Limit µg/kg Wet Weight	Sample Results µg/kg Dry Weight
Benzene	2.6	8.1	25	N.D.
Bromobenzene	6.9	22	25	N.D.
Bromodichloromethane	5.1	16	25	N.D.
n-Butylbenzene	9.6	31	25	N.D.
sec-Butylbenzene	6.0	19	25	N.D.
tert-Butylbenzene	6.1	19	25	N.D.
Carbon tetrachloride	3.0	9.4	25	N.D.
Chlorobenzene	6.2	20	25	N.D.
Chloroethane	13	40	25	N.D.
Chloroform	3.8	12	25	N.D.
Chloromethane	8.1	26	25	N.D.
2-Chlorotoluene	6.7	21	25	N.D.
4-Chlorotoluene	9.8	31	25	N.D.
Dibromochloromethane	6.2	20	25	N.D.
1,2-Dibromo-3-chloropropane	11	34	25	N.D.
1,2-Dibromoethane	8.4	27	25	N.D.
1,2-Dichlorobenzene	5.4	17	25	N.D.
1,3-Dichlorobenzene	7.1	23	25	N.D.
1,4-Dichlorobenzene	7.6	24	25	N.D.
Dichlorodifluoromethane	11	35	25	N.D.
1,1-Dichloroethane	7.2	23	25	N.D.
1,2-Dichloroethane	2.3	7.5	25	N.D.
1,1-Dichloroethene	5.7	18	25	N.D.
cis-1,2-Dichloroethene	6.0	19	25	N.D.
trans-1,2-Dichloroethene	5.4	17	25	N.D.
1,2-Dichloropropane	3.6	12	25	N.D.
1,3-Dichloropropane	6.1	19	25	N.D.
2,2-Dichloropropane	9.3	30	25	N.D.
Di-Isopropyl-Ether	5.3	17	25	N.D.
Ethyl Benzene	3.5	11	25	N.D.

Accreditations/Certifications: Illinois EPA-100261; New Jersey DEP-54001;
USACE; Wisconsin DNR-999917160

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

Key Environmental Services, Inc.	Client Project ID:	Former Key Products	Sampled:	Sep 22, 1999
W66 N215 Commerce Ct	Sample Descript:	Liquid: MeOH Blank	Received:	Sep 23, 1999
Cedarburg, WI 53012	Analysis Method:	EPA 5030/8021		
Attention: Curt Hoffart	Lab Number:	B909414-03	Analyzed:	Sep 30, 1999
			Reported:	Oct 4, 1999

WDNR VOLATILE ORGANIC COMPOUNDS (5030/8021)

Analyte	Method Detection Limit µg/kg	Practical Quanitation Limit µg/kg	WDNR Reporting Limit µg/kg Wet Weight	Sample Results µg/kg Dry Weight
Hexachlorobutadiene	16	51	25	N.D.
Isopropylbenzene	3.5	11	25	N.D.
p-Isopropyltoluene	9.8	31	25	N.D.
Methylene chloride	34	110	100	560B
Methyl-tert-Butyl-Ether	6.6	21	25	N.D.
Napthalene	7.4	24	25	N.D.
n-Propylbenzene	8.4	27	25	N.D.
1,1,2,2-Tetrachloroethane	8.9	28	25	N.D.
Tetrachloroethene	5.2	16	25	N.D.
Toluene	3.4	11	25	N.D.
1,2,3-Trichlorobenzene	8.5	27	25	N.D.
1,2,4-Trichlorobenzene	7.3	23	25	N.D.
1,1,1-Trichloroethane	5.6	18	25	N.D.
1,1,2-Trichloroethane	4.6	15	25	N.D.
Trichloroethene	6.2	20	25	N.D.
Trichlorofluoromethane	8.1	26	25	N.D.
1,2,4-Trimethylbenzene	5.0	16	25	N.D.
1,3,5-Trimethylbenzene	6.2	20	25	N.D.
Vinyl chloride	8.2	26	25	N.D.
Total Xylenes	6.6	21	25	N.D.

Analytes reported as N.D. were not present above the WDNR Reporting Limit IN WET WEIGHT as specified in Release News, Volume 4, Number 3, July 1994.

GREAT LAKES ANALYTICAL

S. Patel

Kevin W. Keeley
Laboratory Director

Please Note:
B= The blank associated with this sample contained 19 ppb of Methylene Chloride.

Accreditations: Certifications: Illinois EPA-100261; New Jersey DEP-54001;
USACE; Wisconsin DNR-999917160

GREAT LAKES ANALYTICAL

CHAIN OF CUSTODY REPORT

1380 Busch Parkway
Buffalo Grove, IL 60089-4505
(847) 808-7766
FAX (847) 808-7772

20725 Watertown Road
Brookfield, WI 53501
(414) 798-1030
FAX (414) 798-1066

Client: Key Engineering Group
Address: W66 N215 Commerce Ct
Cedarburg WI 53012
Report to: Curt Hoffart
Phone #: (414) 375-4750
Fax #: (414) 375-9680

Bill To: Acct-Dept
Address:
State & Program:
Phone #: ( )
Fax #: ( )

TAT: 5 DAY 4 DAY 3 DAY 2 DAY 1 DAY < 24 HRS.
DATE RESULTS NEEDED: 9-30-99
TEMPERATURE UPON RECEIPT:
AIR BILL NO. CLAP1U

Project: Former Key Products (07/2007)
Sampler: Daniel Kost
PO/Quote #: DK 9061-5B

	FIELD ID, LOCATION	DATE COLLECTED	TIME COLLECTED	SAMPLE MATRIX	PRESERVATIVES	NO. CONTAINERS	TYPE CONTAINERS	VOC	ANALYSIS TYPE	SAMPLE CONTROL: CRACKED/BROKEN	SAMPLE CONTROL: IMPROPERLY SEALED	SAMPLE CONTROL: GOOD CONDITION	LABORATORY ID NUMBER
1	GP-1 (2-4)	9/22/99	11:45	S	MeOH	1	2oz	X				X	B9909411-1
2	GP-2 (2-4)	9/22/99	1:00	S	MeOH	1	2oz	X				X	2
3	Methanol Blank	9/22/99	2:00		MeOH	1	2oz	X				X	3
4													
5													
6													
7													
8													
9													
10													

RELINQUISHED	DATE	RECEIVED	DATE	RELINQUISHED	DATE	RECEIVED	DATE
D. Kost	9/23/99	K Ottmann	9/23/99	K Ottmann	09/23/99	Tony Lessner	9-23-99
	9:40am		9:40am				2:40

COMMENTS:

PAGE OF

J3959196

W66 N215 Commerce Court
Cedarburg, Wisconsin 53012
Phone No. (414) 375-4750
Fax No. (414) 375-9680

ANALYTICAL DATA CHECK-IN FORM

KEY Project Name: FORMER KEY PRODUCTS KEY Project No.: 0712007

Project Manager: CURT HUFFART

Lab Name: GREAT LAKES ANALYTICAL Lab Project No.: 9070203-

Sample Matrix: Soil ☐ Water ☒ Other: _____

Soil Sample IDs:

Water Sample IDs:

MW-1	
MW-2	
MW-3	
TRIP	
FIELD	

Do the following items correspond to the chain of custody document:

Project Name and Number:	Yes ☒	No ☐
Date of Collection:	Yes ☒	No ☐
Sample ID Number(s):	Yes ☒	No ☐
Sample Type (Matrix):	Yes ☒	No ☐
Analysis Type and Method No.:	Yes ☒	No ☐
Correct Units per Method:	Yes ☒	No ☐

Compare each sample date of collection to lab sheet extraction and analysis date. Have appropriate holding times for each method been met? Yes ☒ No ☐

Is the chain of custody properly completed? Yes ☒ No ☐

Comments: _____

Data Check-in Performed by: _____ Date: 7/26/99

Note: This form is to be completed for each lab submittal and attached to the original lab data.

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

Date: July 21, 1999

Key Environmental Services, Inc.
W66 N215 Commerce Ct
Cedarburg, WI 53012
Attention: Curt Hoffart

Project: Former Key Products

Enclosed are the results from 5 water samples received at Great Lakes Analytical on July 14, 1999. The requested analyses are listed below:

SAMPLE#	SAMPLE DESCRIPTION	DATE OF COLLECTION	TEST METHOD
9070203-01	Water: MW-1	7/13/99	VOC's, EPA 5030/8021
9070203-02	Water: MW-2	7/13/99	VOC's, EPA 5030/8021
9070203-03	Water: MW-3	7/13/99	VOC's, EPA 5030/8021
9070203-04	Water: Trip	7/13/99	VOC's, EPA 5030/8021
9070203-05	Water: Field	7/13/99	VOC's, EPA 5030/8021

Please contact me if you have any questions. In the meantime, thank you for the opportunity to work with you on this project.

Very truly yours,

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director

Accreditations/Certifications: Illinois EPA-100261; New Jersey DEP-54001;
USACE; Wisconsin DNR-999917160

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

Key Environmental Services, Inc.	Client Project ID:	Former Key Products	Sampled:	Jul 13, 1999
W66 N215 Commerce Ct	Sample Descript:	Water: MW-1	Received:	Jul 14, 1999
Cedarburg, WI 53012	Analysis Method:	VOC's, EPA 5030/8021		
Attention: Curt Hoffart	Lab Number:	9070203-01	Analyzed:	Jul 19, 1999
			Reported:	Jul 21, 1999

VOLATILE ORGANIC COMPOUNDS (5030/8021)

Analyte	Detection Limit µg/L	Sample Results µg/L
Benzene	250	N.D.
Bromobenzene	250	N.D.
Bromodichloromethane	250	N.D.
n-Butylbenzene	250	N.D.
sec-Butylbenzene	250	N.D.
tert-Butylbenzene	250	N.D.
Carbon tetrachloride	250	N.D.
Chlorobenzene	250	N.D.
Chloroethane	250	N.D.
Chloroform	70	N.D.
Chloromethane	300	N.D.
2-Chlorotoluene	250	N.D.
4-Chlorotoluene	250	N.D.
Dibromochloromethane	250	N.D.
1,2-Dibromo-3-chloropropane	195	N.D.
1,2-Dibromoethane	190	N.D.
1,2-Dichlorobenzene	250	N.D.
1,3-Dichlorobenzene	250	N.D.
1,4-Dichlorobenzene	250	N.D.
Dichlorodifluoromethane	250	N.D.
1,1-Dichloroethane	250	N.D.
1,2-Dichloroethane	250	N.D.
1,1-Dichloroethene	250	N.D.
cis-1,2-Dichloroethene	250	740
trans-1,2-Dichloroethene	250	N.D.
1,2-Dichloropropane	250	N.D.
1,3-Dichloropropane	250	N.D.
2,2-Dichloropropane	250	N.D.
Di-Isopropyl-Ether	2,500	N.D.
Ethyl Benzene	250	N.D.
Hexachlorobutadiene	2,500	N.D.
Isopropylbenzene	250	N.D.
p-Isopropyltoluene	250	N.D.
Methylene chloride	265	430B
Methyl-tert-Butylether	100	N.D.

Accreditations/Certifications: Illinois EPA-100261; New Jersey DEP-54001;
USACE; Wisconsin DNR-999917160

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

Key Environmental Services, Inc.	Client Project ID:	Former Key Products	Sampled:	Jul 13, 1999
W66 N215 Commerce Ct	Sample Descript:	Water: MW-1	Received:	Jul 14, 1999
Cedarburg, WI 53012	Analysis Method:	VOC's, EPA 5030/8021		
Attention: Curt Hoffart	Lab Number:	9070203-01	Analyzed:	Jul 19, 1999
			Reported:	Jul 21, 1999

VOLATILE ORGANIC COMPOUNDS (5030/8021)

Analyte	Detection Limit µg/L	Sample Results µg/L
Naphthalene	1,000	N.D.
n-Propylbenzene	250	N.D.
1,1,2,2-Tetrachloroethane	175	N.D.
Tetrachloroethene	250	24,000
Toluene	250	N.D.
1,2,3-Trichlorobenzene	1,000	N.D.
1,2,4-Trichlorobenzene	1,000	N.D.
1,1,1-Trichloroethane	250	N.D.
1,1,2-Trichloroethane	80	N.D.
Trichloroethene	250	400
Trichlorofluoromethane	250	N.D.
1,2,4-Trimethylbenzene	500	N.D.
1,3,5-Trimethylbenzene	500	N.D.
Vinyl chloride	85	N.D.
Total Xylenes	250	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director

Please Note:
B= The blank associated with this sample contained 91 ppb of methylene chloride.

907020301.KEY <2>

Accreditations/Certifications: Illinois EPA-100261; New Jersey DEP-54001;
USACE; Wisconsin DNR-999917160

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

Key Environmental Services, Inc.	Client Project ID:	Former Key Products	Sampled:	Jul 13, 1999
W66 N215 Commerce Ct	Sample Descript:	Water: MW-2	Received:	Jul 14, 1999
Cedarburg, WI 53012	Analysis Method:	VOC's, EPA 5030/8021		
Attention: Curt Hoffart	Lab Number:	9070203-02	Analyzed:	Jul 19, 1999
			Reported:	Jul 21, 1999

VOLATILE ORGANIC COMPOUNDS (5030/8021)

Analyte	Detection Limit µg/L	Sample Results µg/L
Benzene	0.50	N.D.
Bromobenzene	0.50	N.D.
Bromodichloromethane	0.50	N.D.
n-Butylbenzene	0.50	N.D.
sec-Butylbenzene	0.50	N.D.
tert-Butylbenzene	0.50	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	0.50	N.D.
Chloroform	0.14	N.D.
Chloromethane	0.60	N.D.
2-Chlorotoluene	0.50	N.D.
4-Chlorotoluene	0.50	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dibromo-3-chloropropane	0.39	N.D.
1,2-Dibromoethane	0.38	N.D.
1,2-Dichlorobenzene	0.50	N.D.
1,3-Dichlorobenzene	0.50	N.D.
1,4-Dichlorobenzene	0.50	N.D.
Dichlorodifluoromethane	0.50	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	1.4
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
1,3-Dichloropropane	0.50	N.D.
2,2-Dichloropropane	0.50	N.D.
Di-Isopropyl-Ether	5.0	N.D.
Ethyl Benzene	0.50	N.D.
Hexachlorobutadiene	5.0	N.D.
Isopropylbenzene	0.50	N.D.
p-Isopropyltoluene	0.50	N.D.
Methylene chloride	0.53	N.D.
Methyl-tert-Butylether	0.20	N.D.

Accreditations/Certifications: Illinois EPA-100261; New Jersey DEP-54001;
USACE; Wisconsin DNR-999917160

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

Key Environmental Services, Inc.	Client Project ID:	Former Key Products	Sampled:	Jul 13, 1999
W66 N215 Commerce Ct	Sample Descript:	Water: MW-2	Received:	Jul 14, 1999
Cedarburg, WI 53012	Analysis Method:	VOC's, EPA 5030/8021		
Attention: Curt Hoffart	Lab Number:	9070203-02	Analyzed:	Jul 19, 1999
			Reported:	Jul 21, 1999

VOLATILE ORGANIC COMPOUNDS (5030/8021)

Analyte	Detection Limit µg/L	Sample Results µg/L
Naphthalene	2.0	N.D.
n-Propylbenzene	0.50	N.D.
1,1,2,2-Tetrachloroethane	0.35	N.D.
Tetrachloroethene	0.50	14
Toluene	0.50	N.D.
1,2,3-Trichlorobenzene	2.0	N.D.
1,2,4-Trichlorobenzene	2.0	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.16	N.D.
Trichloroethene	0.50	0.80
Trichlorofluoromethane	0.50	N.D.
1,2,4-Trimethylbenzene	1.0	N.D.
1,3,5-Trimethylbenzene	1.0	N.D.
Vinyl chloride	0.17	N.D.
Total Xylenes	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director

907020301.KEY <4>

Accreditations/Certifications: Illinois EPA-100261; New Jersey DEP-54001;
USACE; Wisconsin DNR-999917160

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

Key Environmental Services, Inc.	Client Project ID:	Former Key Products	Sampled:	Jul 13, 1999
W66 N215 Commerce Ct	Sample Descript:	Water: MW-3	Received:	Jul 14, 1999
Cedarburg, WI 53012	Analysis Method:	VOC's, EPA 5030/8021		
Attention: Curt Hoffart	Lab Number:	9070203-03	Analyzed:	Jul 19, 1999
			Reported:	Jul 21, 1999

VOLATILE ORGANIC COMPOUNDS (5030/8021)

Analyte	Detection Limit µg/L	Sample Results µg/L
Benzene	0.50	N.D.
Bromobenzene	0.50	N.D.
Bromodichloromethane	0.50	N.D.
n-Butylbenzene	0.50	N.D.
sec-Butylbenzene	0.50	N.D.
tert-Butylbenzene	0.50	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	0.50	N.D.
Chloroform	0.14	N.D.
Chloromethane	0.60	N.D.
2-Chlorotoluene	0.50	N.D.
4-Chlorotoluene	0.50	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dibromo-3-chloropropane	0.39	N.D.
1,2-Dibromoethane	0.38	N.D.
1,2-Dichlorobenzene	0.50	N.D.
1,3-Dichlorobenzene	0.50	N.D.
1,4-Dichlorobenzene	0.50	N.D.
Dichlorodifluoromethane	0.50	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
1,3-Dichloropropane	0.50	N.D.
2,2-Dichloropropane	0.50	N.D.
Di-Isopropyl-Ether	5.0	N.D.
Ethyl Benzene	0.50	1.5
Hexachlorobutadiene	5.0	N.D.
Isopropylbenzene	0.50	N.D.
p-Isopropyltoluene	0.50	N.D.
Methylene chloride	0.53	N.D.
Methyl-tert-Butylether	0.20	N.D.

Accreditations/Certifications: Illinois EPA-100261; New Jersey DEP-54001;
USACE; Wisconsin DNR-999917160

GREAT LAKES ANALYTICAL
1380 Busch Parkway
Buffalo Grove, Illinois 60089
Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

Key Environmental Services, Inc.	Client Project ID:	Former Key Products	Sampled:	Jul 13, 1999
W66 N215 Commerce Ct	Sample Descript:	Water: MW-3	Received:	Jul 14, 1999
Cedarburg, WI 53012	Analysis Method:	VOC's, EPA 5030/8021		
Attention: Curt Hoffart	Lab Number:	9070203-03	Analyzed:	Jul 19, 1999
			Reported:	Jul 21, 1999

VOLATILE ORGANIC COMPOUNDS (5030/8021)

Analyte	Detection Limit µg/L	Sample Results µg/L
Naphthalene	2.0	N.D.
n-Propylbenzene	0.50	N.D.
1,1,2,2-Tetrachloroethane	0.35	N.D.
Tetrachloroethene	0.50	2.0
Toluene	0.50	N.D.
1,2,3-Trichlorobenzene	2.0	N.D.
1,2,4-Trichlorobenzene	2.0	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.16	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
1,2,4-Trimethylbenzene	1.0	N.D.
1,3,5-Trimethylbenzene	1.0	N.D.
Vinyl chloride	0.17	N.D.
Total Xylenes	0.50	14

Analytes reported as N.D. were not present above the stated limit of detection.

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director

907020301.KEY <6>

Accreditations/Certifications: Illinois EPA-100261; New Jersey DEP-54001;
USACE; Wisconsin DNR-999917160

GREAT LAKES ANALYTICAL
1380 Busch Parkway
Buffalo Grove, Illinois 60089
Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

Key Environmental Services, Inc.	Client Project ID:	Former Key Products	Sampled:	Jul 13, 1999
W66 N215 Commerce Ct	Sample Descript:	Water: Trip	Received:	Jul 14, 1999
Cedarburg, WI 53012	Analysis Method:	VOC's, EPA 5030/8021		
Attention: Curt Hoffart	Lab Number:	9070203-04	Analyzed:	Jul 18-19, 1999
			Reported:	Jul 21, 1999

VOLATILE ORGANIC COMPOUNDS (5030/8021)

Analyte	Detection Limit µg/L	Sample Results µg/L
Benzene	0.50	N.D.
Bromobenzene	0.50	N.D.
Bromodichloromethane	0.50	N.D.
n-Butylbenzene	0.50	N.D.
sec-Butylbenzene	0.50	N.D.
tert-Butylbenzene	0.50	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	0.50	N.D.
Chloroform	0.14	N.D.
Chloromethane	0.60	N.D.
2-Chlorotoluene	0.50	N.D.
4-Chlorotoluene	0.50	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dibromo-3-chloropropane	0.39	N.D.
1,2-Dibromoethane	0.38	N.D.
1,2-Dichlorobenzene	0.50	N.D.
1,3-Dichlorobenzene	0.50	N.D.
1,4-Dichlorobenzene	0.50	N.D.
Dichlorodifluoromethane	0.50	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
1,3-Dichloropropane	0.50	N.D.
2,2-Dichloropropane	0.50	N.D.
Di-Isopropyl-Ether	5.0	N.D.
Ethyl Benzene	0.50	N.D.
Hexachlorobutadiene	5.0	N.D.
Isopropylbenzene	0.50	N.D.
p-Isopropyltoluene	0.50	N.D.
Methylene chloride	0.53	N.D.
Methyl-tert-Butylether	0.20	N.D.

Accreditations/Certifications: Illinois EPA-100261; New Jersey DEP-54CC1;
USACE; Wisconsin DNR-999917160

GREAT LAKES ANALYTICAL
1380 Busch Parkway
Buffalo Grove, Illinois 60089
Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

Key Environmental Services, Inc.	Client Project ID:	Former Key Products	Sampled:	Jul 13, 1999
W66 N215 Commerce Ct	Sample Descript:	Water: Trip	Received:	Jul 14, 1999
Cedarburg, WI 53012	Analysis Method:	VOC's, EPA 5030/8021		
Attention: Curt Hoffart	Lab Number:	9070203-04	Analyzed:	Jul 18-19, 1999
			Reported:	Jul 21, 1999

VOLATILE ORGANIC COMPOUNDS (5030/8021)

Analyte	Detection Limit µg/L	Sample Results µg/L
Naphthalene	2.0	N.D.
n-Propylbenzene	0.50	N.D.
1,1,2,2-Tetrachloroethane	0.35	N.D.
Tetrachloroethene	0.50	N.D.
Toluene	0.50	N.D.
1,2,3-Trichlorobenzene	2.0	N.D.
1,2,4-Trichlorobenzene	2.0	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.16	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
1,2,4-Trimethylbenzene	1.0	N.D.
1,3,5-Trimethylbenzene	1.0	N.D.
Vinyl chloride	0.17	N.D.
Total Xylenes	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director

907020301.KEY <8>

Accreditations/Certifications: Illinois EPA-100261; New Jersey DEP-54001;
USACE; Wisconsin DNR-999917160

GREAT LAKES ANALYTICAL
1380 Busch Parkway
Buffalo Grove, Illinois 60089
Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

Key Environmental Services, Inc.	Client Project ID:	Former Key Products	Sampled:	Jul 13, 1999
W66 N215 Commerce Ct	Sample Descript:	Water: Field	Received:	Jul 14, 1999
Cedarburg, WI 53012	Analysis Method:	VOC's, EPA 5030/8021		
Attention: Curt Hoffart	Lab Number:	9070203-05	Analyzed:	Jul 18-19, 1999
			Reported:	Jul 21, 1999

VOLATILE ORGANIC COMPOUNDS (5030/8021)

Analyte	Detection Limit µg/L	Sample Results µg/L
Benzene	0.50	N.D.
Bromobenzene	0.50	N.D.
Bromodichloromethane	0.50	N.D.
n-Butylbenzene	0.50	N.D.
sec-Butylbenzene	0.50	N.D.
tert-Butylbenzene	0.50	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	0.50	N.D.
Chloroform	0.14	N.D.
Chloromethane	0.60	N.D.
2-Chlorotoluene	0.50	N.D.
4-Chlorotoluene	0.50	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dibromo-3-chloropropane	0.39	N.D.
1,2-Dibromoethane	0.38	N.D.
1,2-Dichlorobenzene	0.50	N.D.
1,3-Dichlorobenzene	0.50	N.D.
1,4-Dichlorobenzene	0.50	N.D.
Dichlorodifluoromethane	0.50	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1.2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
1,3-Dichloropropane	0.50	N.D.
2,2-Dichloropropane	0.50	N.D.
Di-Isopropyl-Ether	5.0	N.D.
Ethyl Benzene	0.50	N.D.
Hexachlorobutadiene	5.0	N.D.
Isopropylbenzene	0.50	N.D.
p-Isopropyltoluene	0.50	N.D.
Methylene chloride	0.53	N.D.
Methyl-tert-Butylether	0.20	N.D.

Accreditations/Certifications: Illinois EPA-100261; New Jersey DEP-54001;
USACE; Wisconsin DNR-999917160

GREAT LAKES ANALYTICAL
1380 Busch Parkway
Buffalo Grove, Illinois 60089
Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

Key Environmental Services, Inc.	Client Project ID:	Former Key Products	Sampled:	Jul 13, 199
W66 N215 Commerce Ct	Sample Descript:	Water: Field	Received:	Jul 14, 199
Cedarburg, WI 53012	Analysis Method:	VOC's, EPA 5030/8021		
Attention: Curt Hoffart	Lab Number:	9070203-05	Analyzed:	Jul 18-19, 199
			Reported:	Jul 21, 199

VOLATILE ORGANIC COMPOUNDS (5030/8021)

Analyte	Detection Limit µg/L	Sample Results µg/L
Naphthalene	2.0	N.D.
n-Propylbenzene	0.50	N.D.
1,1,2,2-Tetrachloroethane	0.35	N.D.
Tetrachloroethene	0.50	N.D.
Toluene	0.50	N.D.
1,2,3-Trichlorobenzene	2.0	N.D.
1,2,4-Trichlorobenzene	2.0	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.16	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
1,2,4-Trimethylbenzene	1.0	N.D.
1,3,5-Trimethylbenzene	1.0	N.D.
Vinyl chloride	0.17	N.D.
Total Xylenes	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director

907020301.KEY <10>

Accreditations/Certifications: Illinois EPA-100261; New Jersey DEP-54001;
USACE; Wisconsin DNR-999917160

GREAT LAKES ANALYTICAL

CHAIN OF CUSTODY REPORT

1380 Busch Parkway
Buffalo Grove, IL 60089-4505
(847) 808-7766
FAX (847) 808-7772

20725 Watertown R
Brookfield, WI 53
(414) 798-1030
FAX (414) 798-18

Client: Key Engineering Group, LTD
Address: W66 N215 Commerce Ct
Cedarburg, WI 53012
Report to: Curt Hoffart
Phone #: (414) 375-4750
Fax #: (414) 375-9680

Bill To: Accounting
Address:
State & Program:
Phone #: ( )
Fax #: ( )

TAT: 5 DAY (3) 4 DAY 3 DAY 2 DAY 1 DAY < 24 HR
DATE RESULTS NEEDED: 7/21
TEMPERATURE UPON RECEIPT: ambient
AIR BILL NO. GLAP

Project: Former Key Products
Sampler: Kris King
PO/Quote #:

	FIELD ID, LOCATION	DATE COLLECTED	TIME COLLECTED	SAMPLE MATRIX	PRESERVATIVES	NO. CONTAINERS	TYPE CONTAINERS	VOC	SAMPLE CONTROL: CRACKED/BROKEN	MISSING/BROKEN SEALED	GOOD CONDITION	LABORATORY ID NUMBER
1	MW-1	7/13/99	am	GW	HCl	3	40ml	X			✓	9070203-0
2	MW-2					3		X			✓	9070203-0
3	MW-3					3		X			✓	9070203-0
4	Trip					1		X			✓	9070203-0
5	Field					1		X			✓	9070203-0
6												
7												
8												
9												
10												

RELINQUISHED	DATE	RECEIVED	DATE	RELINQUISHED	DATE	RECEIVED	DATE
[signature]	7/13/99 PM	[signature]	7/13/99 AM	[signature]	7/14/99 10AM	[signature]	7/14/99 10:00AM
[signature]	7/14/99	[signature]	7/14				

COMMENTS

PAGE 1 OF 1

JG9561196