Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories
A division of Thermo Analytical Inc.

For Lancaster Laboratories use only
Acct. # _____ Sample # _____

COOLER 75

Please print. Instructions on reverse side correspond with circled numbers.

Client: Chemical Land Holdings Acct. #: _____
Project Name/#: Ramesville RI/FS PWSID #: _____
Project Manager: Paul Dugan P.O.# _____
Sampler: MMM Quote #: _____
Name of state where samples were collected: Ohio

For lab use only
FSC: _____
SCR #: _____

Sample Identification	Date Collected	Time Collected	Matrix			Containers			TAL Metals	CN	TCL VOCs	TCL SVOCs	TCL Pest/PCBs	Hex Chrome			Remarks	
SW4-4 MSD	10/23/97	10:45	X			X		10	X	X	X	X	X	X			Metals/HexCr	
TRIP BLANK COOLER 75	10/23/97	16:48				X		2			X						Field Filtered	
GWDUP6	10/23/97	11:35	X			X		4		X		X		X				

Turnaround Time Requested (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: _____
Rush results requested by (please circle): Phone Fax
Phone #: _____ Fax #: _____

Data Package Options (please circle if requested)
QC Summary Type VI (Raw Data)
Type I (Tier I) GLP
Type II (Tier II) Other
Type III (NJ Red. Del.)
Type IV (CLP)

SDG Complete? Yes No

Site-specific QC required? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal Chain of Custody required? Yes No

Relinquished by:	Date	Time	Received by:	Date	Time
			Teresa Hyper	9/25	11:00
Teresa Hyper	10/23/97	18:00			

Analysis Request / Environmental Services Chain of Custody

Lancaster Laboratories
A division of Thermo Analytical Inc.

For Lancaster Laboratories use only
Acct. # _____ Sample # _____

COOLER 76

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: Chemical Land Holdings Acct. #: _____
Project Name/#: Paramesville RI/FS PWSID #: _____
Project Manager: Paul Dugas P.O.# _____
Sampler: MMM Quote #: _____
Name of state where samples were collected: Ohio

For lab use only
FSC: _____
SCR #: _____

(2) (3) (4) (5)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	TAL Metals	CN	TCL VOCs	TCL SVOCs	TCL Pest/PCBs	Hex Chrome			Remarks	
SW4-1	10/23/97	11:35	X			X		10	X	X	X	X	X	X			Metals/Hex	
TRIP BLANK COOLER 76	10/23/97	17:10				X		2			X						Chrome	
GW DUP 6	10/23/97	11:35	X			X		6	X		X		X				Field	
																	Filtered	

(6) **Turnaround Time Requested** (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: _____
Rush results requested by (please circle): Phone Fax
Phone #: _____ Fax #: _____

(7) **Data Package Options** (please circle if requested)
QC Summary — Type VI (Raw Data)
Type I (Tier I) — GLP
Type II (Tier II) — Other
Type III (NJ Red. Del.)
Type IV (CLP)

SDG Complete? Yes No

Site-specific QC required? Yes No
(If yes, indicate QC sample and submit triplicate volume.)

Internal Chain of Custody required? Yes No

(8)

Relinquished by:	Date	Time	Received by:	Date	Time
			Teresa C Hyper	9/23	
Teresa C Hyper	10/23	18:00			

Analysis Request/Environmental Services Chain of Custody

Lancaster Laboratories
A division of Thermo Analytical Inc.

For Lancaster Laboratories use only
Acct. # _____ Sample # _____

COOLER 77

Please print. Instructions on reverse side correspond with circled numbers.

Client: Chemical Land Holding Acct #: _____
Project Name/#: Parmenville RI/FS PWSID #: _____
Project Manager: Paul Dugas P.O.# _____
Sampler: MMM Quote #: _____
Name of state where samples were collected: Ohio

For lab use only
FSC: _____
SCR #: _____

Sample Identification	Date Collected	Time Collected	3			4			5 TAL Metals	CN	TCL VOCs	TCL SVOCs	TCL Pest/PCBs	Hex Chrome			Remarks
SW4-1 FB	10/23/97	11:35	X			X		9	X	X	X	X	X	X			
TRIP BLANK COOLER 77	10/23/97	17:20				X		2			X						
SW7-1	10/23/97	14:35	X			X		10	X	X	X	X	X	X			Metals/hex/CN field filtered

Turnaround Time Requested (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: _____
Rush results requested by (please circle): Phone Fax
Phone #: _____ Fax #: _____

Data Package Options (please circle if requested)
QC Summary Type VI (Raw Data)
Type I (Tier I) GLP
Type II (Tier II) Other
Type III (NJ Red. Del.)
Type IV (CLP)

SDG Complete? Yes No

Site-specific QC required? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal Chain of Custody required? Yes No

Relinquished by:	Date	Time	Received by:	Date	Time
			Teresa C Hagger	9/25	
Teresa C Hagger	10/23/97	18:00			

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories
A division of Thermo Analytical Inc.

For Lancaster Laboratories use only
Acct. # _____ Sample # _____

COOLER 78

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: Chemical Land Holdings Acct. #: _____
Project Name/#: Painesville RI/FS PWSID #: _____
Project Manager: Paul Dugas P.O.# _____
Sampler: MMM Quote #: _____
Name of state where samples were collected: Ohio

For lab use only
FSC:
SCR #:

(2) (3) (4) (5)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Potable (specify) / NPDES (specify)	Other	Total # of Containers	TAL Metals	CN	TCL VOCs	TCL SVOCs	TCL Pest/PCBs	Hex Chrome			Remarks	
SW01-3	10/23/97	13:35	X			X			10	X	X	X	X	X	X			Matrix Spike/Matrix Dup	
GL6-1A	10/23/97	16:05	X			X			2				X					field filtered	
TRIP BLANK COOLER 78	10/23/97	18:00				X			2			X							
GWDUP7	10/23/97	14:00	X			X			2				X						

(6) **Turnaround Time Requested** (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: _____
Rush results requested by (please circle): Phone Fax
Phone #: _____ Fax #: _____

(7) **Data Package Options** (please circle if requested)
QC Summary — Type VI (Raw Data)
Type I (Tier I) — GLP
Type II (Tier II) — Other
Type III (NJ Red. Del.)
Type IV (CLP)

SDG Complete? Yes No

Site-specific QC required? Yes No
(If yes, indicate QC sample and submit triplicate volume.)

Internal Chain of Custody required? Yes No

(8)

Relinquished by:	Date	Time	Received by:	Date	Time
			Teresa C Ryzner	9/23	
Teresa C Ryzner	10/23	18:00			

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories
A division of Thermo Analytical Inc.

For Lancaster Laboratories use only
Acct. # _____ Sample # _____

COOLER 79

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: Chemical Land Holdings Acct. #:
Project Name/#: Dumesville RI/FS PWSID #:
Project Manager: Paul Degoo P.O.#
Sampler: MMM Quote #:
Name of state where samples were collected: Ohio

For lab use only
FSC:
SCR #:

(2) (3) (4) (5)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of containers	TAL Metals	CN	TCL VOCs	TCL SVOCs	TCL Pest/PCBs	Hexchrome	Remarks
SW 7-3	10/23/97	14:00	X			X		10	X	X	X	X	X	X	Metals/Hex
GW DUP 7	10/23/97	14:00	X			X		8	X	X	X		X	X	Chrome
TRIP BLANK COOLER 79	10/23/97	8:00				X		2			X				field filtered

Turnaround Time Requested (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: _____
Rush results requested by (please circle): Phone Fax
Phone #: _____ Fax #: _____

Data Package Options (please circle if requested)
QC Summary Type VI (Raw Data)
Type I (Tier I) GLP
Type II (Tier II) Other
Type III (NJ Red. Del.)
Type IV (CLP)

SDG Complete? Yes No

Site-specific QC required? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal Chain of Custody required? Yes No

Relinquished by:	Date	Time	Received by:	Date	Time
			Teresa Pyper	9/25	
Teresa Pyper	10/23	18:30			

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories
A division of Thermo Analytical Inc.

For Lancaster Laboratories use only
Acct. # _____ Sample # _____

COOLER 80

Please print. Instructions on reverse side correspond with circled numbers.

Client: Chemical Land Holding Acct #: _____
Project Name/#: Painesville RI/FS PWSID #: _____
Project Manager: Paul Dugan P.O.# _____
Sampler: MMM Quote #: _____
Name of state where samples were collected: Ohio

For lab use only
FSC: _____
SCR #: _____

Sample Identification	Date Collected	Time Collected	Matrix (3)			Containers (4)			Analyses Requested (5)								Remarks
									TAL Metals CN		TCL VOCs	TCL SVOCs	TCL Pest/PCBs	Hex Chrome			
TRIP BLANK COOLER 80	10/23/97	18:10				X		2			X						
SW7-2 GR	10/23/97	15:15	X			X		10	X	X	X	X	X	X	X		Metals/Hex Chr
SW7-2	10/23/97	15:40	X			X		8	X	X	X	X		X			field filtered

Turnaround Time Requested (TAT) (please circle): (Normal) Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: _____
Rush results requested by (please circle): Phone Fax
Phone #: _____ Fax #: _____

Data Package Options (please circle if requested)
QC Summary Type VI (Raw Data)
Type I (Tier I) GLP
Type II (Tier II) Other
Type III (NJ Red. Del.)
Type IV (CLP)

SDG Complete? Yes (No)

Site-specific QC required? Yes No
(If yes, indicate QC sample and submit triplicate volume.)

Internal Chain of Custody required? Yes No

Relinquished by:	Date	Time	Received by:	Date	Time
			Teresa C Pryor	9/25	
Teresa C Pryor	10/23	18:40			

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories
A division of Thermo Analytical Inc.

For Lancaster Laboratories use only
Acct. # _____ Sample # _____

COOLER 81

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: Chemical Land Holdings Acct.#:
Project Name/#: Ramsoville RI/FS PWSID #:
Project Manager: Paul Dugas P.O.#:
Sampler: MMM Quote #:
Name of state where samples were collected: Ohio

For lab use only
FSC:
SCR #:

(2) (3) (4) (5)

Sample Identification	Date Collected	Time Collected	Matrix					Containers	TAL Metals	CN	TCL VOCs	TCL SVOCs	TCL Pest/PCBs	Volatile Chlorinated			Remarks	
SW7-3 FB	10/23/97	14:00	X			X		9	X	X	X	X	X	X			Field Blank	
TRIP BLANK COOLER 81	10/23/97	18:15				X		2			X							
SW7-2 MS	10/23/97	15:40	X			X		8	X	X	X	X		X				

Turnaround Time Requested (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: _____
Rush results requested by (please circle): Phone Fax
Phone #: _____ Fax #: _____

Data Package Options (please circle if requested)
QC Summary Type VI (Raw Data)
Type I (Tier I) GLP
Type II (Tier II) Other
Type III (NJ Red. Del.)
Type IV (CLP)

SDG Complete? Yes No

Site-specific QC required? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal Chain of Custody required? Yes No

Relinquished by:	Date	Time	Received by:	Date	Time
			Teresa C Dugas	9/25	
Teresa C Dugas	10/23	18:40			

Analysis Request / Environmental Services Chain of Custody

Lancaster Laboratories
A division of Thermo Analytical Inc.

For Lancaster Laboratories use only
Acct. # _____ Sample # _____

COOLER 82

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: Chemical Land Holding Acct.#:
Project Name/#: Plainesville RIFS PWSID #:
Project Manager: Paul Dugan P.O.# _____
Sampler: MMM Quote #: _____
Name of state where samples were collected: Ohio

For lab use only
FSC:
SCR #:

(2) (3) (4) (5) (6)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Potable Water	NPDES Water	Other	Total # of Containers	TAL Metals	CN	TCL VOCs	TCL SVOCs	TCL Pest/PCBs	Herb Cl. Acids			Remarks
SW7-2 MSD	10/23/97	15:40	X			X			2	X	X	X	X	X	X			Metals/Chem
SW7-2	10/23/97	15:40	X			X			2					X				Chr. Field
SW7-2 MS	10/23/97	15:40	X			X			2					X				Filtered
TRIP BLANK COOLER 82	10/23/97	18:30				X			2			X						

Turnaround Time Requested (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: _____
Rush results requested by (please circle): Phone Fax
Phone #: _____ Fax #: _____

Data Package Options (please circle if requested)
QC Summary Type VI (Raw Data)
Type I (Tier I) GLP
Type II (Tier II) Other
Type III (NJ Red. Del.)
Type IV (CLP)

SDG Complete? Yes No

Site-specific QC required? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal Chain of Custody required? Yes No

Relinquished by:	Date	Time	Received by:	Date	Time
			Teresa Hagan	10/23	[illegible]
Teresa Hagan	10/23	18:50			

Analysis Request/Environmental Services Chain of Custody

Lancaster Laboratories
A division of Thermo Analytical Inc.

For Lancaster Laboratories use only
Acct. # _____ Sample # _____

COOLER

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: Chemical Land Holdings Acct. #: 1
Project Name/#: Parnes Villeri/FS PWSID #:
Project Manager: Paul Dugas P.O.#
Sampler: TS / MMM Quote #:
Name of state where samples were collected: Ohio

(4) (5) (3)

For lab use only
FSC:
SCR #:

Sample Identification	Date Collected	Time Collected																		
Cooler 77																				
Cooler 78																				
Cooler 79																				
Cooler 80																				
Cooler 81																				
Cooler 82																				
Cooler 73																				
Cooler 74																				
Cooler 75																				
Cooler 76																				

Turnaround Time Requested (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: _____
Rush results requested by (please circle): Phone Fax
Phone #: _____ Fax #: _____

Data Package Options (please circle if requested)
QC Summary Type VI (Raw Data)
Type I (Tier I) GLP
Type II (Tier II) Other
Type III (NJ Red. Del.)
Type IV (CLP)

SDG Complete? Yes No

Site-specific QC required? Yes No
(If yes, indicate QC sample and submit triplicate volume.)

Internal Chain of Custody required? Yes No

Relinquished by:	Date	Time	Received by:	Date	Time
			Teresa Harper	9/25	
Teresa Harper	10/23	19:25	Chris Hughes	9/23	

Analysis Request / Environmental Services Chain of Custody

Lancaster Laboratories
A division of Thermo Analytical Inc.

Fed Ex 847357 2461

For Lancaster Laboratories use only
Acct. # _____ Sample # _____

COOLER 8 3

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: Chemical Land Holdings Acct. #:
Project Name/#: Painesville RI/FS PWSID #:
Project Manager: Paul Dugan P.O.#
Sampler: TCS Quote #:
Name of state where samples were collected: OHIO

For lab use only
FSC:
SCR #:

(2) (3) (4) (5)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water (Potable / NPDES)	Other	Total # of Containers	TAL Metals	CN	TCL VOCs	TCL SVOCs	TCL Pesticides	Herbicides			Remarks	
SL3	10/29/97	13:15	X			X		10	X	X	X	X	X	X			Metals/CN	
TRIP BLANK COOLER 3	10/29/97	13:15				X		2			X						Field Filtered	

Turnaround Time Requested (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: _____
Rush results requested by (please circle): Phone Fax
Phone #: _____ Fax #: _____

Data Package Options (please circle if requested)
QC Summary Type VI (Raw Data)
Type I (Tier I) GLP
Type II (Tier II) Other
Type III (NJ Red. Del.)
Type IV (CLP)

SDG Complete? Yes No

Site-specific QC required? Yes No
(If yes, indicate QC sample and submit triplicate volume.)

Internal Chain of Custody required? Yes No

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
			Teresa Pagan	9/25	
Teresa Pagan	10/29	17:00			

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories
A division of Thermo Analytical Inc.

Fed Ex #8417 5572 2483

For Lancaster Laboratories use only
Acct. # _____ Sample # _____

COOLER 84

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: Chemical Land Holding Acct. #:
Project Name/#: Painesville RIFS PWSID #:
Project Manager: Paul Durgan P.O.#
Sampler: O RS Quote #:
Name of state where samples were collected: OHIO

For lab use only
FSC:
SCR #:

(2) (3) (4) (5) (6)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water (Potable / Non-Potable)	Other	Total # of containers	TAL Metals	CN	TCL VOCs	TCL SVOCs	TCL Pest/PCBs	Herbicides			Remarks	
SL5	10/29/97	12:45	X			X		10	X	X	X	X	X	X			Matrix Spike	
TRIPBLANK COOLER 84	10/29/97	12:45				X		2			X						Field Filtered	

Turnaround Time Requested (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: _____
Rush results requested by (please circle): Phone Fax
Phone #: _____ Fax #: _____

Data Package Options (please circle if requested)
QC Summary Type VI (Raw Data)
Type I (Tier I) GLP
Type II (Tier II) Other
Type III (NJ Red. Del.)
Type IV (CLP)

SDG Complete? Yes No

Site-specific QC required? Yes No
(If yes, indicate QC sample and submit triplicate volume.)

Internal Chain of Custody required? Yes No

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
K Oamb	10/29/97	13:50	[illegible]	10/29	
[illegible]	10/29	17:00	[illegible]		

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories
A division of Thermo Analytical Inc.

FedEx 847357223 65

For Lancaster Laboratories use only
Acct. # _____ Sample # _____

COOLER 85

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: Chemical Land Holdings Acct. #: _____
Project Name/#: Paimesville KYES PWSID #: _____
Project Manager: Paul Dugan P.O.# _____
Sampler: TCS Quote #: _____
Name of state where samples were collected: Ohio

For lab use only
FSC: _____
SCR #: _____

(2) (3) (4) (5) (6)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	# of Containers	VOCs	Toluene	Total Priority Pollutant Scan					Remarks
TRIPLICATE COOLER 85	10/30/97	12:45				X		2	X	X	X					
TANK-1		12:45	X					9		X	X					Remainder of sample in Cooler 85

(7) **Turnaround Time Requested** (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: _____
Rush results requested by (please circle): Phone Fax
Phone #: _____ Fax #: _____

(8) **Data Package Options** (please circle if requested)
QC Summary Type VI (Raw Data)
Type I (Tier I) GLP
Type II (Tier II) Other
Type III (NJ Red. Del.)
Type IV (CLP)

SDG Complete? Yes No

Site-specific QC required? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal Chain of Custody required? Yes No

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
			Teresa C Ayers	10/30/97	
Teresa C Ayers	10/30/97	5:00			

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories
A division of Thermo Analytical Inc.

Fed Ex 8473572376

For Lancaster Laboratories use only
Acct. # _____ Sample # _____

COOLER 86

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: Chemical Land Holding Acct. #:
Project Name/#: Parnesville RI/FS PWSID #:
Project Manager: Paul Dugan P.O.#
Sampler: TCS Quote #:
Name of state where samples were collected: Ohio

For lab use only
FSC:
SCR #:

(2) (3) (4) (5) (6)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of containers	BOD (5-day)	TSS	Metals - Ascd Cr, Cu, Pb, Ni, Zn, Cd	CN	Hex Cr, Cyanide	Phenols	TKN	VOC	Remarks
TANK-1	10/30/97	12:45	X			X		6	X	X	X	X	X	X	X		Parnesville
TRIPBLANK COOLER 86	10/30/97	12:45				X		2								X	Sample
																	Cooler 85

(7) **Turnaround Time Requested** (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: _____
Rush results requested by (please circle): Phone Fax
Phone #: _____ Fax #: _____

(8) **Data Package Options** (please circle if requested)
QC Summary Type VI (Raw Data)
Type I (Tier I) GLP
Type II (Tier II) Other
Type III (NJ Red. Del.)
Type IV (CLP)

SDG Complete? Yes No

Site-specific QC required? Yes No
(If yes, indicate QC sample and submit triplicate volume.)

Internal Chain of Custody required? Yes No

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
			Teresa Dugan	10/30/97	5:00
Teresa Dugan	10/30/97	5:00			

Analysis Request/Environmental Services Chain of Custody

Lancaster Laboratories
A division of Thermo Analytical Inc.

FedEx 8473572380

For Lancaster Laboratories use only
Acct. # _____ Sample # _____

COOLER 87

Please print. Instructions on reverse side correspond with circled numbers.

Client: Chemical Land Holdings Acct. #: _____
Project Name/#: Painesville PH1 RI/FS PWSID #: _____
Project Manager: Paul Dugan P.O.# _____
Sampler: TCS/RJK/DWO Quote #: _____
Name of state where samples were collected: Ohio

For lab use only
FSC: _____
SCR #: _____

Sample Identification	Date Collected	Time Collected	Matrix (3)	Number of containers	TAL Metals CLP	TCL VOCs	TCL SVOCs	Hexavalent Chromium	TOC	TCL Pest/PCBs	Remarks
PBT 2	11/10/97 ~~16:00~~	16:00	X	11	X	X	X	X	X	X	CLP
PBCT	11/10/97	15:25	X	6	X		X			X	
TRIP BLANK COOLER 87	11/10/97	16:50		2			X				

Turnaround Time Requested (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: _____
Rush results requested by (please circle): Phone Fax
Phone #: _____ Fax #: _____

Data Package Options (please circle if requested)
QC Summary Type VI (Raw Data)
Type I (Tier I) GLP
Type II (Tier II) Other
Type III (NJ Red. Del.)
Type IV (CLP)

SDG Complete? Yes No

Site-specific QC required? Yes No
(If yes, indicate QC sample and submit triplicate volume.)

Internal Chain of Custody required? Yes No

Relinquished by:	Date	Time	Received by:	Date	Time
			Teresa C Bryan	9/20	
Teresa C Bryan	11/10/97	17:30			

Analysis Request/Environmental Services Chain of Custody

Lancaster Laboratories
A division of Thermo Analytical Inc.

Fed Ex 8 4 7 3 5 7 2 3 9 /

For Lancaster Laboratories use only
Acct. # _____ Sample # _____

COOLER 88

Please print. Instructions on reverse side correspond with circled numbers.

Client: Chemical Land Holdings Acct. #: _____
Project Name/#: Plain IRI PWSID #: _____
Project Manager: Paul Dugas P.O.# _____
Sampler: TCS / KJK / DBD Quote #: _____
Name of state where samples were collected: Ohio

For lab use only
FSC:
SCR #: 110314

Sample Identification	Date Collected	Time Collected	Matrix				Containers	TAL Metals	CAS	TCL VOCs	TCL SVOCs	TCL Pest/PCBs	Wet Chemistry	TOC	Remarks
PBOT	11/10/97	15:25	X			X	5		X		X		X	X	
ST 1	11/10/97	16:30	X			X	11	X	X	X	X	X	X	X	
TRIPBLANK COOLER 88		17:00				X	2			X					

Turnaround Time Requested (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: _____
Rush results requested by (please circle): Phone Fax
Phone #: _____ Fax #: _____

Data Package Options (please circle if requested)
QC Summary Type VI (Raw Data)
Type I (Tier I) GLP
Type II (Tier II) Other
Type III (NJ Red. Del.)
Type IV (CLP)

SDG Complete? Yes No

Site-specific QC required? Yes No
(If yes, indicate QC sample and submit triplicate volume.)

Internal Chain of Custody required? Yes No

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	9-29-97	1500	[signature]	9/30	
[signature]	11/19/97	17:20	[signature]		

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories
A division of Thermo Analytical Inc.

Fed Ex # 8473572402

For Lancaster Laboratories use only
Acct. # _____ Sample # _____

Cooler 89

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: Chemical Land Holdings Acct. #: _____
Project Name/#: Phase I R1 PWSID #: _____
Project Manager: Paul Dugas P.O.# _____
Sampler: TCS/RJK/DJO8 Quote #: _____
Name of state where samples were collected: Ohio

For lab use only
FSC: _____
SCR #: 110316

(2) (3) (4) (5) (6)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Matrix: Water	Matrix: Other	Total # of Containers	TPH Metals	CN	TCLP VOCs	TCLP SVOCs	TCLP Pesticides	Herbicides	TOC	Reactivity	Remarks
ST2	11/10/97	16:25	X			X		11	X	X	X	X	X	X	X		
PBT1	11/10/97	15:20	X		X			4	X	X	X	X	X	X	X	X	
TRIP BLANK COOLER 89	11/10/97	17:30				X		2			X						
PBCT2	11/10/97	16:15	X				X	3	X	X	X	X	X	X		X	

CLP

Note: PBT1 for TCLP VOCs and Metals also PBCT2 for TCLP VOCs & TCLP Metals & VOCs

(7) **Turnaround Time Requested** (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: _____
Rush results requested by (please circle): Phone Fax
Phone #: _____ Fax #: _____

(8) **Data Package Options** (please circle if requested)
QC Summary Type VI (Raw Data)
Type I (Tier I) GLP
Type II (Tier II) Other
Type III (NJ Red. Del.)
Type IV (CLP)

SDG Complete? Yes No

Site-specific QC required? Yes No
(If yes, indicate QC sample and submit triplicate volume.)

Internal Chain of Custody required? Yes No

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	9-29-97	1500	[signature]	9/30	[illegible]
[signature]	11/10	17:30			

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories
A division of Thermo Analytical Inc.

FedEx 8473572424

For Lancaster Laboratories use only
Acct. # _____ Sample # _____

COOLER 90

Please print. Instructions on reverse side correspond with circled numbers.

Client: Chemical Land Holdings Acct. #:
Project Name/#: Paulsville RIFS / IEM PWSID #:
Project Manager: Paul Dugas P.O.#
Sampler: TCS/DWO/RJC Quote #:
Name of state where samples were collected: Ohio

For lab use only
FSC:
SCR #: 1103146

Sample Identification	Date Collected	Time Collected	Matrix (3)	Analyses Requested (5)																Remarks
									TAL Metals	CN	TCL VOCs	TCL SVOCs	TCL Pest/PCBs	Hex Chrome	TOC	ASBESTOS	TCLP VOCs	TCLP Metals	Hydrocarbon Fingerprint	
BTP (MS/MSD also)	11/11/97	10:00	X			X	3		X	X	X	X	X	X	X	X	X	X		
RC2-1	11/11/97	11:30	X		X		11		X	X	X	X	X	X	X					
CRD1	11/11/97	14:45	X			X	1												X	
TRIP BLANK COOLER 90	11/11/97	16:15			X		2				X									
Note: Samples have strong odors																				Remainder of sample in Cooler 90

Turnaround Time Requested (TAT) (please circle): (Normal) Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: _____
Rush results requested by (please circle): Phone Fax
Phone #: _____ Fax #: _____

Data Package Options (please circle if requested)
QC Summary Type VI (Raw Data)
Type I (Tier I) GLP
Type II (Tier II) Other
Type III (NJ Red. Del.)
Type IV (CLP)

SDG Complete? Yes (No)

Site-specific QC required? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal Chain of Custody required? Yes No

Relinquished by:	Date	Time	Received by:	Date	Time
K. Smith	9-29-97	1500	Teresa C Ayres	9/30	
Teresa C Ayres	11/11/97	5:30			

Analysis Request / Environmental Services Chain of Custody

Lancaster Laboratories
A division of Thermo Analytical Inc.

Fed Ex # 847357243 5

For Lancaster Laboratories use only
Acct. # _____ Sample # _____

Cooler 91

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: Chemical Land Holdings Acct. #: _____
Project Name/#: Painesville R1/FS PWSID #: _____
Project Manager: Paul Dugal P.O.# _____
Sampler: TCS / DWO / PJR Quote #: _____
Name of state where samples were collected: Ohio

For lab use only
FSC: _____
SCR #: 110314

(2) (3) (4) (5)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Potable Water	Non-Potable Water	Other	Total # of Containers	CN	TCL VOCs	TCL SVOCs + TAL Metals	Hex Chromium	PCB	Asbestos	TCLP VOCs	TCLP Metals	TCLP Pest/PCBs	Remarks
BTP (MS/MSD also)	11/11/97	10:00	X				X		6	X	X	X	X	X	X	X	X	X	
TRIP BLANK COOLER 91	11/11/97	16:45				X			2		X								
Note - samples have strong odor																			

Turnaround Time Requested (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: _____
Rush results requested by (please circle): Phone Fax
Phone #: _____ Fax #: _____

Data Package Options (please circle if requested)
QC Summary Type VI (Raw Data)
Type I (Tier I) GLP
Type II (Tier II) Other
Type III (NJ Red. Del.)
Type IV (CLP)

SDG Complete? Yes No

Site-specific QC required? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal Chain of Custody required? Yes No

Relinquished by:	Date	Time	Received by:	Date	Time
K. Gutto	9-27-97	1500	Teresa C Ayres	9/30	
Teresa C Ayres	11/11/97	5:30			

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories
A division of Thermo Analytical Inc.

Fed Ex # 847357 2041

For Lancaster Laboratories use only
Acct. # _____ Sample # _____

COOLER 92

Please print. Instructions on reverse side correspond with circled numbers.

Client: Chemical Land Holdings Acct. #:
Project Name/#: Paineville RI/FS/IRA PWSID #:
Project Manager: Paul Dugal P.O.#
Sampler: DWO/FJH/TCS Quote #:
Name of state where samples were collected: Ohio

For lab use only
FSC:
SCR #: 1103627

Sample Identification	Date Collected	Time Collected	Matrix (4)					Analyses Requested (5)											Remarks
								TDL Metals	CN	TCL VOCs	TCL SVOCs	TCL Pesticides/PCBs	Herbicides	TOC	TCLP VOCs	TCLP Metals			
GB2-1	11/12/97	14:30	X			X		11	X	X	X	X	X	X	X	X			No Asbestos
SA2 DUP	11/12/97	14:30	X			X		5			X		X						
TRIP BLANK COOLER 92	11/12/97	16:30				X		2			X								

Turnaround Time Requested (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: _____
Rush results requested by (please circle): Phone Fax
Phone #: _____ Fax #: _____

Data Package Options (please circle if requested)
QC Summary Type VI (Raw Data)
Type I (Tier I) GLP
Type II (Tier II) Other
Type III (NJ Red. Del.)
Type IV (CLP)

SDG Complete? Yes No

Site-specific QC required? Yes No
(If yes, indicate QC sample and submit triplicate volume.)

Internal Chain of Custody required? Yes No

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	10-27-97	1330	[signature]	10/27	
[signature]	11/12/97	5:30	[signature]		

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories
A division of Thermo Analytical Inc.

FedEx 847357205 2

For Lancaster Laboratories use only
Acct. # _____ Sample # _____

Cooler 93

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: Chemical Land Holdings Acct. #:
Project Name/#: Parnesville PIF/IEP PWSID #:
Project Manager: Paul Dugas P.O.#
Sampler: DWO/TCS/RJK Quote #:
Name of state where samples were collected: Ohio

For lab use only
FSC:
SCR #: 1103129

(2) (3) (4) (5) (6)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water (drinking)	Other	Total # of Containers	TAL Metals	CN	TCL VOCs TCL SVOCs	Herbicide	TCL Pest/PCBs	TOC			Remarks	
SA2DUP	11/12/97	14:30	X			X		6	X	X	X	X		X				
GB2-1FB	11/12/97	14:00	X			X		6		X	X		X	X				
TRIP BLANK COOLER 93	11/12/97	16:40				X		2			X							

(7) **Turnaround Time Requested** (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: _____
Rush results requested by (please circle): Phone Fax
Phone #: _____ Fax #: _____

(8) **Data Package Options** (please circle if requested)
QC Summary Type VI (Raw Data)
Type I (Tier I) GLP
Type II (Tier II) Other
Type III (NJ Red. Del.)
Type IV (CLP)

SDG Complete? Yes No

Site-specific QC required? Yes No
(If yes, indicate QC sample and submit triplicate volume.)

Internal Chain of Custody required? Yes No

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
K. Gutt	10-7-97	1330	[illegible]	10/8	
[illegible]	11/12/97	8:30	[illegible]		

Analysis Request / Environmental Services Chain of Custody

Lancaster Laboratories
A division of Thermo Analytical Inc.

Fed Ex #847357241 3

For Lancaster Laboratories use only
Acct. # _____ Sample # _____

COOLER 94

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: Chemical Land Holdings Acct. #:
Project Name/#: Painesville RI/FS/IRM PWSID #:
Project Manager: Paul Dugas P.O.#
Sampler: SJS/RJK/DWO Quote #:
Name of state where samples were collected: Ohio

(4) Preservative

(5) Analyses Requested

For lab use only
FSC:
SCR #: 1038229

(2) (3)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Water	Soil	Total # of containers	TAL Metals	CN	TCL VOCs	TCL SVOCs	Pest-PCBs	Asbestos-TOS	TCLP Metals	TCLP VOCs		Remarks
GB2-1 FB	11/12/97	14:00	X		X		5	X	X	X							
TRIPBLANK COOLER 94	11/12/97	16:45			X		2		X								
PBVT 2	11/12/97	8:00	X			X	4	X	X	X	X	X	X	X	X		
WP 1/2	11/12/97	13:40		X	X		4	X	X	X	X	X	X	X	X		
WP 3	11/12/97	13:50	X			X	4	X	X	X	X	X	X	X	X		
PBVT 1	11/12/97	16:30	X			X	3	X	X	X	X	X	X	X	X		NO TOC/ASBESTOS

Pest/PCBs per Phone Conversation with Lab

(6) **Turnaround Time Requested** (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: _____
Rush results requested by (please circle): Phone Fax
Phone #: _____ Fax #: _____

(7) **Data Package Options** (please circle if requested)
QC Summary — Type VI (Raw Data)
Type I (Tier I) — GLP
Type II (Tier II) — Other
Type III (NJ Red. Del.)
Type IV (CLP)

SDG Complete? Yes No

Site-specific QC required? Yes No
(If yes, indicate QC sample and submit triplicate volume.)

Internal Chain of Custody required? Yes No

(8)

Relinquished by:	Date	Time	Received by:	Date	Time
K Dunto	10-29-97	1330	Teresa Gruber	10/29/97	
Teresa Gruber	11/12/97	5:30			

(9)

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 (717) 656-2300 Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client 2102 Rev. 7/95

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories
A division of Thermo Analytical Inc.

Fed Ex # 847357196 0

For Lancaster Laboratories use only
Acct. # _____ Sample # _____

COOLER 95

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: Chemical Land Holding Acct. #: _____
Project Name/#: Paulsville RI/FS PWSID #: _____
Project Manager: Paul Dugas P.O.# _____
Sampler: TCS Quote #: _____
Name of state where samples were collected: Ohio

For lab use only
FSC: _____
SCR #: 1103099

(2) (3) (4) (5)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Potable (check if applicable)	Other	Total # of Containers	TAL Metals	CN	TCL VOCs	TCL SVOCs	TCL Pest/PCBs	Hex Chrome	Asbestos	TCLP VOCs	TCLP Metals	Remarks
LC1-3	11/20/97	13:10	X			X			6	X	X	X	X	X	X				Metals: not Cr
LC1-2	11/20/97	13:20	X			X			2	X					X				Field Filtered
WP4	11/20/97	15:15		X	X				4	X	X	X	X	X	X	X	X	X	
TBCOOLER95	11/20/97	14:30				X			2			X							

(6) **Turnaround Time Requested** (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: _____
Rush results requested by (please circle): Phone Fax
Phone #: _____ Fax #: _____

(7) **Data Package Options** (please circle if requested)
QC Summary Type VI (Raw Data)
Type I (Tier I) GLP
Type II (Tier II) Other
Type III (NJ Red. Del.)
Type IV (CLP)

SDG Complete? Yes No

Site-specific QC required? Yes No
(If yes, indicate QC sample and submit triplicate volume.)

Internal Chain of Custody required? Yes No

(8) (9)

Relinquished by:	Date	Time	Received by:	Date	Time
K. Smith	10-7-97	1330	[illegible]	11/20	[illegible]
[illegible]	11/20	5:00	[illegible]		

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories
A division of Thermo Analytical Inc.

Fed Ex # 847357197 1

For Lancaster Laboratories use only
Acct. # _____ Sample # _____

COOLER 96

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: Chemical Land Holdings Acct. #:
Project Name/#: Painesville AVE SPWSID #:
Project Manager: Paul Dugas P.O.#
Sampler: TCS/MJC Quote #:
Name of state where samples were collected: Ohio

For lab use only
FSC:
SCR #: 110329

(2) (3) (4) (5) (6)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water (Potable / NPDES)	Other	Total # of Containers	TAL Metals	CN	TCL VOCs	TCL SVOCs	TCL Pest/PCBs	Hex Chrome			Remarks
LCI-1	11/20/97	12:00	X			X		10	X	X	X	X	X	X			Metals, Hex Cr
LCI-2	11/20/97	13:20	X			X		10	X	X	X	X	X				Field Filtered
TBCOOLER 96	11/20/97	14:30				X		2			X						

(7) **Turnaround Time Requested** (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: _____
Rush results requested by (please circle): Phone Fax
Phone #: _____ Fax #: _____

(8) **Data Package Options** (please circle if requested)
QC Summary Type VI (Raw Data)
Type I (Tier I) GLP
Type II (Tier II) Other
Type III (NJ Red. Del.)
Type IV (CLP)

SDG Complete? Yes No

Site-specific QC required? Yes No
(If yes, indicate QC sample and submit triplicate volume.)

Internal Chain of Custody required? Yes No

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
K. [illegible]	10-7-97	1330	[illegible]	10/8/97	[illegible]
[illegible]	11/20/97	5:00	[illegible]		

Analysis Request/Environmental Services Chain of Custody

Lancaster Laboratories
A division of Thermo Analytical Inc.

Red Ex # 8 473572030

For Lancaster Laboratories use only
Acct. # _____ Sample # _____

COOLER 97

Please print. Instructions on reverse side correspond with circled numbers.

Client: Chemical and Hobling Acct. #: _____
Project Name/#: Parmaville RI/FS PWSID #: _____
Project Manager: Paul Dugas P.O.# _____
Sampler: TCS/RJC Quote #: _____
Name of state where samples were collected: Ohio

For lab use only
FSC:
SCR #: 1103229

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Air	# of Containers	TAL Metals	CN	TCL VOCs	TCL SVOCs	Herbicides	Pesticides	Hex Chrome	TDS	Asbestos	TCLP VOCs	TCLP Metals	CATION/ANION SCAN	TOTAL PHOSPHORUS	Remarks
WP4 MS/MSD	11/18/97	15:15		X	X				5	X	X	X	X		X	X	X	X	X				
TB COOLER 97	11/20/97	16:00				X			2			X											
D1S	11/20/97	15:30	X				X		2			X	X							X	X		
D1L	11/20/97	16:25	X			X			7			X	X							X	X		
D2	11/20/97	15:50	X				X		1													X	

Turnaround Time Requested (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: _____
Rush results requested by (please circle): Phone Fax
Phone #: _____ Fax #: _____

Data Package Options (please circle if requested)
QC Summary Type VI (Raw Data)
Type I (Tier I) GLP
Type II (Tier II) Other
Type III (NJ Red. Del.)
Type IV (CLP)

SDG Complete? Yes No

Site-specific QC required? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal Chain of Custody required? Yes No

Relinquished by:	Date	Time	Received by:	Date	Time
L. Gunto	10-29-97	1330	Teresa C Ryer	10/29/97	1330
Teresa C Ryer					

Analysis Request / Environmental Services Chain of Custody

Lancaster Laboratories
A division of Thermo Analytical Inc.

Fed Ex # 8473572026

For Lancaster Laboratories use only
Acct. # _____ Sample # _____

COOLER 98

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: Chemical and Holdings Acct. #: _____
Project Name/#: Phase I RI - Paramesville PWSID #: _____
Project Manager: Paul Dugan P.O.# _____
Sampler: TCS Quote #: _____
Name of state where samples were collected: OHIO

For lab use only
FSC: _____
SCR #: 110516

(2) (3) (4) (5) (6)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Potable (Specify volume) NPDES	Water	Other	Total # of Containers	Hex Chrome - IC	Hex Chrome - ctrtd	Total Chrome	VOCs (TCL)					Remarks
TANK 2	11/24/97	13:40	X				X			X	X	X						
TANK 2 DUP	11/24/97	13:40	X				X			X	X	X						
TB COOLER 98	11/24/97	13:40	X				X		2				X					

Turnaround Time Requested (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: ASAP
Rush results requested by (please circle): Phone Fax
Phone #: _____ Fax #: _____

Data Package Options (please circle if requested)
QC Summary
Type I (Tier I)
Type II (Tier II)
Type III (NJ Red. Del.)
Type IV (CLP)
Type VI (Raw Data)
GLP
Other

SDG Complete? Yes No

Site-specific QC required? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal Chain of Custody required? Yes No

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	11-18-97	1500	[signature]	11/19/97	
[signature]	11/24/97	14:30	[signature]		

(9)

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories
A division of Thermo Analytical Inc.

Fed Ex # 8417357 1982

For Lancaster Laboratories use only
Acct. # _____ Sample # _____

COOLER 99

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: Chemical Land Holdings Acct. #: _____
Project Name/#: Painesville RI/FS PWSID #: _____
Project Manager: Paul Dugas P.O.# _____
Sampler: TCS Quote #: _____
Name of state where samples were collected: Ohio

For lab use only
FSC: _____
SCR #: 1103029

(2) (3) (4) (5) (6)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water (Potable / Non-Potable)	Other	Total # of Containers	TCL VOCs	Remarks
WP4A	12/15/97	11:30		X	X			3	X	MS/MSD ea 100
TB COOLER 99	12/15/97	11:30				X		2	X	

(7) **Turnaround Time Requested** (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: _____
Rush results requested by (please circle): Phone Fax
Phone #: _____ Fax #: _____

(8) **Data Package Options** (please circle if requested)
QC Summary Type VI (Raw Data)
Type I (Tier I) GLP
Type II (Tier II) Other
Type III (NJ Red. Del.)
Type IV (CLP)

SDG Complete? Yes No

Site-specific QC required? Yes No
(If yes, indicate QC sample and submit triplicate volume.)

Internal Chain of Custody required? Yes No

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	12/99	1330	[signature]	12/15/97	1330
[signature]	12/15/97	5:00	[signature]		

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories
A division of Thermo Analytical Inc.

Fed Ex # 8473571993

For Lancaster Laboratories use only
Acct. # _____ Sample # _____

COOLER 100

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: Chemical Land Holding Acct. #: _____
Project Name/#: Pamesville RI/FS PWSID #: _____
Project Manager: Paul Dugal P.O.# _____
Sampler: TCS Quote #: _____
Name of state where samples were collected: Ohio

For lab use only
FSC: _____
SCR #: 110943

(2) (3) (4) (5)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water (Potable / Non-Potable)	Other	Total # of Containers	TAL Metals	CN	TCL VOCs	TCL SVOCs	TCL Pest/PCBs	HPC Chrome	TOC	Remarks
SD1-1 FB	12/17/97	13:18	X			X		10	X	X	X	X	X	X	X	
TB COOLER 100	12/17/97	14:00				X		2			X					
SD1-1	12/16/97	14:30		X	X			2	X	X	X	X	X	X	X	
SED DUP 1	12/16/97	12:30		X	X			2	X	X	X	X	X	X	X	

(7) **Turnaround Time Requested** (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: _____
Rush results requested by (please circle): Phone Fax
Phone #: _____ Fax #: _____

(8) **Data Package Options** (please circle if requested)
QC Summary Type VI (Raw Data)
Type I (Tier I) GLP
Type II (Tier II) Other
Type III (NJ Red. Del.)
Type IV (CLP)

SDG Complete? Yes No

Site-specific QC required? Yes No
(If yes, indicate QC sample and submit triplicate volume.)

Internal Chain of Custody required? Yes No

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	12-17-97	1415	[signature]	12/17	
[signature]	12/17/97	1500	[signature]		

(9)

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories
A division of Thermo Analytical Inc.

FEDEX # 9004983364

For Lancaster Laboratories use only
Acct. # _____ Sample # _____

COOLER 101

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: Chemical Land Holding Acct. #: _____
Project Name/#: Pennsville RI/FS PWSID #: _____
Project Manager: Paul Dugas P.O.# _____
Sampler: TCS Quote #: _____
Name of state where samples were collected: Ohio

For lab use only
FSC: _____
SCR #: 1103629

(2) (3) (4) (5) (6)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Potable	Non-Potable	Other	Total # of Containers	TAL Metals	CN	TCL VOCs	TCL SVOCs	TCL Pest/PCBs	Hexachrome	TOC		Remarks	Discard after 30 days unless other arrangements made
SD2-1	12/16/0	12:30		X	X					2	X	X	X	X	X	X	X			
SD2-1 MS/MSD	12/16/0	12:30		X	X					2	X	X	X	X	X	X	X			
SD1-2	12/16/0	11:55		X	X					2	X	X	X	X	X	X	X			
SD2-2	12/16/0	13:10		X	X					2	X	X	X	X	X	X	X			
TB COOLER 101	12/17/0	14:30				X				2			X							

(7) **Turnaround Time Requested** (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: _____
Rush results requested by (please circle): Phone Fax
Phone #: _____ Fax #: _____

(8) **Data Package Options** (please circle if requested)
QC Summary Type VI (Raw Data)
Type I (Tier I) GLP
Type II (Tier II) Other
Type III (NJ Red. Del.)
Type IV (CLP)

SDG Complete? Yes No

Site-specific QC required? Yes No
(If yes, indicate QC sample and submit triplicate volume.)

Internal Chain of Custody required? Yes No

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
K Gupta	10-29	1330	[illegible]	10-29	1330
[illegible]	12/17	5:00	[illegible]		

APPENDIX H

SEEP SAMPLING FORMS

SEEP

~~GROUNDWATER~~ SAMPLE COLLECTION RECORD

Painesville Works Site

Painesville, Ohio

Project No.	W0021-001-19	Project Location	SA7 - CLH
~~Well I.D.~~	SEEP SL3	Date	10/29/97
Start Time	13:15	Finish Time	14:00

WATER LEVEL DATA (from top of casing)			
Total Well Depth (ft)		TOC Elevation (ft)	
Static Water Level (ft)		Well Diameter (in)	
Water Column Length (ft)		Well Volume (gal)	

N/A

WELL PURGING DATA

Equipment Used

Purge Method N/A

Volume (gallons)	pH (S.U.)	~~Eh~~ (mV) ORP	Specific Conductance ~~(u ohms)~~ mS/cm	Temperature (C)	Other (specify) color/turb
SL3	7.66	193.3	25	14.6	ltgray/ none

SAMPLE COLLECTION

Equipment Used none

QA/QC Samples Collected (If any) no

Sample No.	Preservative	Container Size and Type	Analysis Requested
SL3	various	10 containers	See chain

Comments

Sample Collector(s) TCS/MMM

SEEP

~~GROUNDWATER~~ SAMPLE COLLECTION RECORD

Painesville Works Site

Painesville, Ohio

Project No. W0021-001-32

~~Well I.D.~~ SEEP SL5

Start Time 12:40

Project Location SA7-Paines. Trustees

Date 10/29/97

Finish Time 13:10

WATER LEVEL DATA (from top of casing)			
Total Well Depth (ft)		TOC Elevation (ft)	
Static Water Level (ft)		Well Diameter (in)	
Water Column Length (ft)		Well Volume (gal)	

N/A

WELL PURGING DATA

Equipment Used

Purge Method

N/A

Volume (gallons)	pH (S.U.)	~~Eh~~ (mV) ORP	Specific Conductance ~~(µ ohms)~~ mS/cm	Temperature (C)	Other (specify) color / turb
SL5	7.88	177.2	9.3	13.5	lt. yellow / none

SAMPLE COLLECTION

Equipment Used none

QA/QC Samples Collected (If any) NO

Sample No.	Preservative	Container Size and Type	Analysis Requested
SL5	Various	10 containers	see chain

Comments

Sample Collector(s) TCS/MMM

APPENDIX G

SEDIMENT SAMPLING FORMS

SOIL SAMPLING RECORD

Painesville Works Site

Painesville, Ohio

Project No. W0021-001-25 Project Location SA 1 Lake Erie

Sample No. SD1-1 Date 12/16/97

Sample Point Description

N 41°45.572 depth to sed = 14.0 ft
W 81° 15.733

SAMPLE COLLECTION

Equipment Used 2' core sampler, boat, diver

QA/QC samples collected? ~~NO~~ yes, FB

Sample No.	Depth	Type of Material	Container Size	Analysis Requested
SD1-1	0-2	sediment	1 ~~32~~ oz, 1-4 oz	*
	* TAL	Metals,	TCL VOCs, TCL SVOCs,	
	TCL	Pest/PCBs,	TOC, hex Chrome	
	CN			

Comments

Sample collector (s) TCS

SOIL SAMPLING RECORD

Painesville Works Site

Painesville, Ohio

Project No. WOD01-001-2S

Project Location SA1 - Lake Erie

Sample No. SD1-2

Date 12/16/97

Sample Point Description

N 41°45.617
W 81°15.516

depth to sed = 16.7 ft

SAMPLE COLLECTION

Equipment Used 2' core sampler, boat, diver

QA/QC samples collected? NO

Sample No.	Depth	Type of Material	Container Size	Analysis Requested
SD1-2	0-2'	Sediment	1-32oz, 1-4oz	*
	*TAL metals, CN, TCL VOCs,			
	TCL SVOCs, TCL Pest/PCBs,			
	hex chrome, TOC			

Comments

Sample collector (s) TCS

SOIL SAMPLING RECORD

Painesville Works Site

Painesville, Ohio

Project No. W0021-001-26 Project Location SA2 - Lake Erie

Sample No. SD2-1 Date 12/16/97

Sample Point Description

N 41°45.631 depth to sed = 7.0 ft
W 81° 15.234

SAMPLE COLLECTION

Equipment Used 2' core sampler, boat, diver

QA/QC samples collected? yes - dup, MS/MSD

Sample No.	Depth	Type of Material	Container Size	Analysis Requested
SD2-1	0-2	sediment	1-32 oz, 1-4 oz	*
SD2-1 MS/MSD	0-2	Sediment	1-32 oz, 2-4 oz	*
SED DUP 1	0-2	sediment	1-32 oz, 1-4 oz	*
	* TAL	Metals, CN, TCL VOCs,		
	TCL	SVOCs,	TCL Pest/PCBs,	
	hex Chromo,		TOC	

Comments

Sample collector (s) TCS

APPENDIX F

GROUNDWATER SAMPLING FORMS

STUDY AREA 1

GROUNDWATER SAMPLE COLLECTION RECORD
Painesville Works Site
Painesville, Ohio

Project No. W0021-001-23

Project Location ASR site (Painesville)

Well I.D. ASRMW-1

Date 9/18/97

Start Time purge 7:50
sampled 9/22/97 12:00

Finish Time purge 8:50
sample 12:45

WATER LEVEL DATA (from top of casing)			
Total Well Depth (ft)	32.00	TOC Elevation (ft)	
Static Water Level (ft)	3.97	Well Diameter (in.)	2"
Water Column Length (ft)	29.03	Well Volume (gal.)	4.64

SWL 9/22 4.44

WELL PURGING DATA

Equipment Used disposable bailer

Purge Method bail

Volume (gallons)	pH (S.U.)	~~Eh (mV)~~ (mV) ORP	Specific Conductance mS/cm ~~(mohms)~~	Temperature (°C)	Other (specify) turbidity	color
start	6.6		8.5	16.5	NO	clear
~4.6	6.8		8.2	16.0	yes	grey
~9	6.8		7.6	15.9	yes	grey
~15	7.3		7.9	15.5	yes	grey
Sample 9/22	6.7		8.4	18.5		
Sample Final	6.92	196.3	8.4	19.8°		

SAMPLE COLLECTION

Equipment Used bailer

QA/QC Samples Collected (if any) ASRMW-1 MS/MSD

Sample No	Preservative	Container Size and Type	Analysis Requested
ASRMW1 —			
MS/MSD			

Comments recharge was high - never bailed dry @ 15 gallons
Sample Time: SWL 4.44 / AF: Sample 22.12'

Sample Collector(s)

29.03
16
17418
29.03

GROUNDWATER SAMPLE COLLECTION RECORD
Painesville Works Site
Painesville, Ohio

Project No. W0021-001-23 Project Location ASR site

Well I.D. ASR MW-2 Date 9/18/97

Start Time purge 8:20 Finish Time purge 9:00 am

9/22/97 sample 1:00

WATER LEVEL DATA (from top of casing)			
Total Well Depth (ft)	35.47	TOC Elevation (ft)	
Static Water Level (ft)	7.15	Well Diameter (in.)	2"
Water Column Length (ft)	28.32	Well Volume (gal.)	4.69

WELL PURGING DATA

Equipment Used bailer (disposable)

Purge Method bailer

Volume (gallons)	pH (S.U.)	Eh (mV) ORP	Specific Conductance (µohms) mS	Temperature (°C)	Other (specify) turbidity	color
start	6.6		21.0	16.5	yes	orang
~4.7	6.6		19.1	13.5	yes	grey
~9	6.7		19.3	13.5	yes	grey
~12	6.8		15.6	14.0	yes	grey
@Sample Time	6.8		18.0	11.5	ND	clear
Final	6.71	217.2	~~21.18~~ 18.0	21.1		

SAMPLE COLLECTION

Equipment Used bailer

QA/QC Samples Collected (if any)

Sample No	Preservative	Container Size and Type	Analysis Requested

Comments bailed dry @ 12 gallons
sampled 9/22/97 beginning SWL 7.23
ending SWL 27.21

Sample Collector(s)

529.32
16
17592
2932

GROUNDWATER SAMPLE COLLECTION RECORD
Painesville Works Site
Painesville, Ohio

Project No. W0021-001-23 Project Location ASR site

Well I.D. ASR MW-3 Date 9/17/97

Start Time purge 1:57 Finish Time purge : 2:30

9/22 sampled: 2:40 sampled: 3:00

WATER LEVEL DATA (from top of casing)			
Total Well Depth (ft)	42.24	TOC Elevation (ft)	-
Static Water Level (ft)	4.15	Well Diameter (in.)	2"
Water Column Length (ft)	38.09	Well Volume (gal.)	6.09

WELL PURGING DATA

Equipment Used disposable bailer

Purge Method bailer

Volume (gallons)	pH (S.U.)	Eh (mV) ORP	Specific Conductance (mS/cm ~~(µohms)~~)	Temperature (°C)	Other (specify) turbidity	color
Start	7.5		1.95	17.5	No	clear
6 gal	7.5		1.93	14.0	TURBID	BROWN
12 gal	7.5		2.4	14.6	TURBID	BROWN
17 gal	7.8		3.1	16.0	TURBID	GRAY
~~[illegible]~~/Sample	7.6		2.8	14.0	very light	cloudy
Final	7.52	173.5	2.8	18.4		

SAMPLE COLLECTION

Equipment Used DISP. BAILER

QA/QC Samples Collected (If any)

Sample No	Preservative	Container Size and Type	Analysis Requested

Comments Bailer dry @ 17 gal

* Sample taken 9/22 due to discharge time

9/22 Pre sample SWL 28.16' / After sampling SWL 33.23

Sample Collector(s) ~~Craig Shelton~~ Jamie Dickson

9/22 PID = Ø

38 09
16
22 854
38 09

GROUNDWATER SAMPLE COLLECTION RECORD
Painesville Works Site
Painesville, Ohio

Project No. W0021-001-23 Project Location ASR

Well I.D. ASR MW 4 Date 9/17/97

Start Time purge: 10:10 Finish Time purge- 10:55
Sample 1:00pm sample - 5:00pm

WATER LEVEL DATA (from top of casing)			
Total Well Depth (ft)	37.69	TOC Elevation (ft)	-
Static Water Level (ft)	5.55	Well Diameter (in.)	2"
Water Column Length (ft)	32.14	Well Volume (gal.)	5.14

WELL PURGING DATA

Equipment Used disposable bailer

Purge Method bailer

Volume (gallons)	pH (S.U.)	Eh (mV) ORP	Specific Conductance mS/cm (µohms)	Temperature (°C)	Other (specify) turbid	color
start	7.2		2.1	19.0	No	clear
~5.1	7.2		2.1	14.0	slight	tanish
~10	7.4		2.1	14.0	yes	orange
~15.5	7.56		2.2	14.5	yes	orange
* Sample	7.80	164.9	2.1	19.0		
Replicate	7.81	164.5	2.2	20.0		

SAMPLE COLLECTION

Equipment Used bailer

QA/QC Samples Collected (If any) dup/field blank JCB samples collected at same time as ASR MW-4

Sample No	Preservative	Container Size and Type	Analysis Requested
Dup GW1	HCl	40mL glass	volatiles (CLP)
	Na_2SO_3	1L amber glass	semi volatiles (CLP)
	$Na_2S_2O_3$	1L amber glass	Pesticides/PCBs (CLP)
	HNO_3	1L plastic	TAL metals
	NaOH	500mL plastic	Cyanide
	H_2SO_4	125 mL glass	TOC
	None	500 mL plastic	Hex. Chromium
ASRMW4 FB JCB			

Comments Sample readings taken in trailer at 4:00pm

Sample Collector(s) Jaime Dickson / Anne Warber / Craig Skiera

32.14
.16
192.84

GROUNDWATER SAMPLE COLLECTION RECORD
Painesville Works Site
Painesville, Ohio

Project No. W0021-001-23

Project Location ASR property

Well I.D. ASR MW-5

Date 9/17/97

Start Time purge - 8:30
sample - 9/18 12:30

Finish Time Finish Purge: 10:00
Take Sample: 1.20 9/18

WATER LEVEL DATA (from top of casing)			
Total Well Depth (ft)	39.91	TOC Elevation (ft)	
Static Water Level (ft)	9.47	Well Diameter (in.)	2"
Water Column Length (ft)	30.44	Well Volume (gal.)	4.88

WELL PURGING DATA

Equipment Used disposable bailer

Purge Method bail

Volume (gallons)	pH (S.U.)	~~Eh (mV)~~ ORP	Specific Conductance ~~(ohms)~~ mS/cm	Temperature (°C)	Other (specify) Turbidity	color
~4.9	6.7		6.2	14.9	turbid	brownish
~10	6.8		6.4	14.0	turbid	lt. brown
~15	6.9		2.4	15.0	turbid	grey
*Sample	7.28	81.8	5.4	14.0	None	

*Sample Rotameter in Tumber other Transport in cooler.

SAMPLE COLLECTION

Equipment Used bailer

QA/QC Samples Collected (if any)

Sample No	Preservative	Container Size and Type	Analysis Requested

Comments gray clay / sediment at bottom of purge buckets
* ~~[illegible] to sample [illegible]~~ * sample taken 9/18 due to recharge time of well.

Sample Collector(s) Jaime Dickson / Anne Warber

30.44
.16
182.64

GROUNDWATER SAMPLE COLLECTION RECORD
Painesville Works Site
Painesville, Ohio

Project No. W0021-001-23 Project Location ASR - site

Well I.D. ASR MW - 8 Date 9/18/97

Start Time purge 9:25 Finish Time purge 10:10

9/22 sample 3:10 sample 3:25

WATER LEVEL DATA (from top of casing)			
Total Well Depth (ft)	37.52	TOC Elevation (ft)	-
Static Water Level (ft)	7.27	Well Diameter (in.)	2"
Water Column Length (ft)	30.25	Well Volume (gal.)	4.84

WELL PURGING DATA

Equipment Used disposable bailer

Purge Method bailer

Volume (gallons)	pH (S.U.)	Eh (mV) ORP	Specific Conductance mS/cm (µohms)	Temperature (°C)	Other (specify) turbidity	color
start	7.1		3.4	18.0	No	clear
~5	7.0		3.3	14.0	light	cloudy
~10	6.9		3.1	14.5	Yes	grey
~13.5	7.1		3.1	14.0	Yes	grey
Sample	7.0		4.8	18.0	No	clear
Final	7.09	176.8	4.8	18.6°		

SAMPLE COLLECTION

Equipment Used bailer

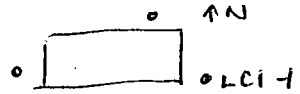
QA/QC Samples Collected (if any)

Sample No	Preservative	Container Size and Type	Analysis Requested

Comments bailed dry @ 14 gallons
Sampled 9/22: presample SWL: 8.24' / post sample SWL: 22.40'

Sample Collector(s)

30.25
16
181.50
30.25



GROUNDWATER SAMPLE COLLECTION RECORD

Painesville Works Site
Painesville, Ohio

Project No. WOD21-001-2S
Project Location SA1 - Lake City
Well I.D. LCI-1 (MW1)
Date 11/20/97
Start Time 7:00 1:00
Finish Time 7:49 1:15

WATER LEVEL DATA (from top of casing)			
Total Well Depth (ft)	14.81	TOC Elevation (ft)	-
Static Water Level (ft)	6.12	Well Diameter (in.)	1"
Water Column Length (ft)	8.69	Well Volume (gal.)	0.35

WELL PURGING DATA

Equipment Used peristaltic pump

Purge Method ~~peristaltic~~ pumping

Volume (gallons)	pH (S.U.)	~~Eh~~ (mV) ORP	Specific Conductance ~~(µohms)~~ mS/cm	Temperature (°C)	Other (specify) Color	Turbidity
INITIAL	6.59		1.10	8.8	Brown	very
20.35	6.61		1.36	9.2	Hbrown/gray	very
0.7	6.58		1.75	10.3	Hgray	slightly
1.05	6.59		1.88	10.3	cloudy	v. slightly
FINAL	7.18	218.3	2.0	18.5	~~Sh~~ cloudy/clear	slightly

SAMPLE COLLECTION

Equipment Used peristaltic pump

QA/QC Samples Collected (if any) none

Sample No	Preservative	Container Size and Type	Analysis Requested
LCI-1	Various	Various	See chain

Comments

Sample Collector(s) TS/RJK

GROUNDWATER SAMPLE COLLECTION RECORD
Painesville Works Site
Painesville, Ohio

Project No. WOD21-001-25

Project Location SFI - Lake County

Well I.D. LC1-2 (MW2)

Date 11/20/97

Start Time 7:50 13:15

Finish Time 8:05 13:45

WATER LEVEL DATA (from top of casing)			
Total Well Depth (ft)	17.75	TOC Elevation (ft)	
Static Water Level (ft)	7.35	Well Diameter (in.)	1"
Water Column Length (ft)	10.4	Well Volume (gal.)	0.42

WELL PURGING DATA

Equipment Used peristaltic pump

Purge Method pumping

Volume (gallons)	pH (S.U.)	~~Eh~~ (mV) ORP	Specific Conductance ~~(µohms)~~ µS/cm	Temperature (°C)	Other (specify) Color	turbidity
INITIAL	6.54		2.1	8.2	lt gray	turbid
~0.42	6.78		2.9	10.6	Cloudy	slightly
~0.84	6.81		2.8	11.1	Clear	none
~1.25	6.82		2.6	11.3	Clear	none
FINAL	7.43	215.6	3.0	18.3	Clear	none

SAMPLE COLLECTION

Equipment Used peristaltic pump

QA/QC Samples Collected (if any) none

Sample No	Preservative	Container Size and Type	Analysis Requested
LC1-2	Various	Various	See chain.

Comments

Sample Collector(s) TCS/RJK

GROUNDWATER SAMPLE COLLECTION RECORD
Painesville Works Site
Painesville, Ohio

Project No. W0021-001-2S

Project Location SA1 - Lake County

Well I.D. LC1-3 (MW3)

Date 11/20/97

Start Time 8:07
13:45

Finish Time 8:30
~~13~~ 14:00

WATER LEVEL DATA (from top of casing)			
Total Well Depth (ft)	13.27	TOC Elevation (ft)	
Static Water Level (ft)	3.23	Well Diameter (in.)	1" PVC
Water Column Length (ft)	10.04	Well Volume (gal.)	0.40

WELL PURGING DATA

Equipment Used peristaltic pump

Purge Method pumping

Volume (gallons)	pH (S.U.)	~~Eh~~ (mV) ORP	Specific Conductance ~~(µmhos)~~ mS/cm	Temperature (°C)	Other (specify) color	turbidity
INITIAL	8.45		1.53	7.5	brown/tan	very
0.4	8.27		1.56	10.4	lt gray	Slight
0.8	8.14		1.53	10.8	clear	none
1.2	8.05		1.50	10.8	clear	none
FINAL	8.00	208.6	1.65	17.7	clear	none

SAMPLE COLLECTION

Equipment Used peristaltic pump

QA/QC Samples Collected (if any) none

Sample No	Preservative	Container Size and Type	Analysis Requested
LC1-3	various	various	see chart

Comments weeds in well

Sample Collector(s) RJK/TCS

GROUNDWATER SAMPLE COLLECTION RECORD
Painesville Works Site
Painesville, Ohio

Project No. W0021-001-23 Project Location CLH

Well I.D. CL~~H~~ 1-1 Date 9/17/97

Start Time purge 11:05 sampled: Finish Time purge 12:10 sampled:

WATER LEVEL DATA (from top of casing)			
Total Well Depth (ft)	68.87	TOC Elevation (ft)	
Static Water Level (ft)	36.39	Well Diameter (in.)	2"
Water Column Length (ft)	34.48	Well Volume (gal.)	5.50

Readings from south side of well

WELL PURGING DATA

Equipment Used disposable bailer

Purge Method bailer

Volume (gallons)	pH (S.U.)	~~Eh (mV)~~ ORP	Specific Conductance (mS/cm ~~(mohms)~~)	Temperature (°C)	Other (specify) turbidity
start	8.0		1.25	14.0	NO
purged dry @ 4.5 gallons					
Final	7.92	155.0	2.00	18.0	No

Colo clea

clea

SAMPLE COLLECTION

Equipment Used bailer

QA/QC Samples Collected (if any)

Sample No	Preservative	Container Size and Type	Analysis Requested

Comments Purged dry @ 4.5 gall
* sampled taken ~~[illegible]~~ due to discharge

Sample Collector(s) Jaime Dickson CL1-1 collected 10/2/97

9/22 S.W.L. 54.27
10/2 S.W.L 44.63

34.48
16
205.48
34.48
[illegible]

GROUNDWATER SAMPLE COLLECTION RECORD
Painesville Works Site
Painesville, Ohio

Project No. W 0021-001-20 Project Location S.A.1 - NWRR

Well I.D. SW1-1 Date 10/21/97

Start Time 12:45 Finish Time 13:20

16:15 17:00

WATER LEVEL DATA (from top of casing)			
Total Well Depth (ft)	40.3	TOC Elevation (ft)	
Static Water Level (ft)	9.92	Well Diameter (in)	2"
Water Column Length (ft)	30.38	Well Volume (gal)	4.84

WELL PURGING DATA

Equipment Used disposable bailers

Purge Method bailing

Volume (gallons)	pH (S.U.)	~~Eh (mV)~~ COLOR	Specific Conductance ~~(u ohms)~~ mS/cm	Temperature (C)	Other (specify) TURBIDITY
INITIAL	6.97	clear	1.41	14.9	NONE
4.86 (-5)	7.73	lt. gray	1.94	12.5	slightly turbid
9.72 (-10)	7.71	gray	2.0	11.4	turbid
~~13:45~~ 58 (-15) TCS DRY	8.69	gray	1.99	11.9	turbid
FINAL	8.70		1.99	12.0	

ORP(mV) 180.4

SAMPLE COLLECTION

Equipment Used disposable bailers

QA/QC Samples Collected (If any) none

Sample No.	Preservative	Container Size and Type	Analysis Requested
SW1-1			
			TAL Metals CN
			TCL PCB/Pests,
			TCL VOCs, SVOCs,
			Hex Chrome

Comments NO DNAPL/LNAPL

Sample Collector(s) MMM/TCS

GROUNDWATER SAMPLE COLLECTION RECORD
Painesville Works Site
Painesville, Ohio

Project No. W0021-001-20
Project Location SA 1 NWER
Well I.D. SW1-2
Date 10/21/97
Start Time 13:25 / 16:00
Finish Time 14:00 / 16:15

WATER LEVEL DATA (from top of casing)			
Total Well Depth (ft)	32.25	TOC Elevation (ft)	
Static Water Level (ft)	9.89	Well Diameter (in)	2"
Water Column Length (ft)	22.36	Well Volume (gal)	3.58

WELL PURGING DATA

Equipment Used disposable bailers

Purge Method bailing

Volume (gallons)	pH (S.U.)	~~Eh (mV)~~ COLOR	Specific Conductance ~~(u ohms)~~ MS/cm	Temperature (C)	Other (specify) TURBIDITY	ORP (mV)
INITIAL	6.88	Clear	1.52	12.7	none	
3.5	7.05	lt gray	1.59	13.5	Slightly turbid	
7	7.12	gray/brown	1.57	12.3	turbid	
10.5	7.21	gray/brown	1.50	12.0	turbid	
FINAL	7.24		1.5	12.0		199.5

SAMPLE COLLECTION

Equipment Used disposable bailers

QA/QC Samples Collected (If any) NO

Sample No.	Preservative	Container Size and Type	Analysis Requested
SW1-2			

Comments NO LNAPL/DNAPL

Sample Collector(s) MMM / RS

GROUNDWATER SAMPLE COLLECTION RECORD
Painesville Works Site
Painesville, Ohio

Project No. W0021-001-21
Project Location SAI Tanner
Well I.D. SW1-3
Date 10/23/97
Start Time 8:45 / 13:30
Finish Time 9:30 / 13:45

WATER LEVEL DATA (from top of casing)			
Total Well Depth (ft)	36.55	TOC Elevation (ft)	
Static Water Level (ft)	14.13	Well Diameter (in)	2"
Water Column Length (ft)	22.42	Well Volume (gal)	3.59

WELL PURGING DATA

Equipment Used Mini-Purge

Purge Method pump

Volume (gallons)	pH (S.U.)	~~Eh (mV)~~ COLOR	Specific Conductance ~~(u ohms)~~ mS/cm	Temperature (C)	Other (specify) Turbidity	ORP (mV)
INITIAL	6.96	Clear	4.1	11.1	none	
4	7.00	lt. gray	4.5	11.3	sl. turbid	
8	7.03	lt gray	4.2	10.7	sl. turbid	
~~10~~ 12	7.15	lt. gray	4.4	10.0	turbid	
FINAL	7.15		4.4	10.2		202.5

SAMPLE COLLECTION

Equipment Used disposable bailer

QA/QC Samples Collected (If any) none

Sample No.	Preservative	Container Size and Type	Analysis Requested
SW1-3	Various	10 containers	See Chain

Comments NAPL / DNAPL

Sample Collector(s) MMM / TCS

GROUNDWATER SAMPLE COLLECTION RECORD
Painesville Works Site
Painesville, Ohio

Project No. W0021-001-22
Project Location SAI PVS
Well I.D. SW1-4
Date 10/22/97
Start Time 10:00 15:00
Finish Time 11:00 16:00

WATER LEVEL DATA (from top of casing)			
Total Well Depth (ft)	44.66	TOC Elevation (ft)	
Static Water Level (ft)	10.91	Well Diameter (in)	2"
Water Column Length (ft)	33.75	Well Volume (gal)	5.4

WELL PURGING DATA

Equipment Used disposable bailers

Purge Method bailing

Volume (gallons)	pH (S.U.)	~~Eh (mV)~~ COLOR	Specific Conductance ~~(u ohms)~~ mS/cm	Temperature (C)	Other (specify) Turbidity	ORP (mV)
INITIAL	8.22	clear	2.5	9.7	none	
5.4	7.56	lt gray	2.6	9.7	slightly turbid	
10.8	7.42	gray(dk)	2.5	9.9	very turbid	
DRY	7.46	v. dk gray	2.0	9.7	very turbid	
FINAL	7.48		2.0	10.1		191.2

SAMPLE COLLECTION

Equipment Used bailer (disposable)

QA/QC Samples Collected (If any) none

Sample No.	Preservative	Container Size and Type	Analysis Requested
SW1-4		10 containers	
	note: Split w/ Mike Leyden for PVS		

Comments NO LNAPL/DNAPL

Sample Collector(s) MMM/TCS

GROUNDWATER SAMPLE COLLECTION RECORD
Painesville Works Site
Painesville, Ohio

Project No. W0021-001-23 | Project Location ASR
Well I.D. SW1-5 (ASR) | Date 9/23/97 / 9/24/97
Start Time 8:00 | Finish Time 9:15

WATER LEVEL DATA (from top of casing)			
Total Well Depth (ft)	41.6	TOC Elevation (ft)	
Static Water Level (ft)	10.27	Well Diameter (in)	
Water Column Length (ft)		Well Volume (gal)	

WELL PURGING DATA

Equipment Used: Keck Pump

Purge Method: Pumped dry

Volume (gallons)	pH (S.U.)	~~Eh~~ (mV) ORP	Specific Conductance ~~(u ohms)~~ mS/cm	Temperature (C)	Other (specify) Turb / Color
Start	8.8	—	1.09	20°	No / Clear
5	9.1	—	1.18	14°	yes / grey
10	9.4	—	1.13	14°	yes / grey
12	9.0	—	1.08	14°	yes / grey
Sample	8.1	—	.199	20°	No / greyish
~~Sample~~ Final	8.31	151.3	.199	18.9°	
Replicate	8.29	151.2	.199	20.0°	

SAMPLE COLLECTION

Equipment Used: Disposable Bailer

QA/QC Samples Collected (If any): None

Sample No.	Preservative	Container Size and Type	Analysis Requested
SW1-5			

Comments: Sample Taken on 9/24/97 @ 1530
SWL Before Sample 10.88
SWL After Sample 25.63

Sample Collector(s)

GROUNDWATER SAMPLE COLLECTION RECORD
Painesville Works Site
Painesville, Ohio

Project No. W0021-001-24
Project Location SAI - Dartron
Well I.D. SW1-6
Date 10/22/97 / 10/23/97
Start Time 9:15 / 8:15
Finish Time 9:30 / 8:45

WATER LEVEL DATA (from top of casing)			
Total Well Depth (ft)	19.05	TOC Elevation (ft)	
Static Water Level (ft)	10.49	Well Diameter (in)	2"
Water Column Length (ft)	8.56	Well Volume (gal)	1.37

WELL PURGING DATA

Equipment Used bailer (disposable)

Purge Method bailing

Volume (gallons)	pH (S.U.)	~~Eh (mV)~~ COLOR	Specific Conductance ~~(u ohms)~~ uS/cm	Temperature (C)	~~Other (specify)~~ Turbidity	ORP (mV)
INITIAL	7.29	lt gray	1.12	10.9	slightly turbid	
1.4	7.22	lt gray	1.24	11.7	turbid	
2.8	7.32	lt gray	1.19	12.1	turbid	
4.2	7.39 ~~7.25~~	gray	1.14	12.1 ~~10.5~~	turbid	
FINAL	7.39		1.14	12.1		110.0

SAMPLE COLLECTION

Equipment Used bailer (disposable)

QA/QC Samples Collected (If any) none

Sample No.	Preservative	Container Size and Type	Analysis Requested
SW1-6	various	10 containers	see chain

Comments note - well pressurized when opened

Sample Collector(s) TCS/MMM

GROUNDWATER SAMPLE COLLECTION RECORD
Painesville Works Site
Painesville, Ohio

Project No. ~~SW~~ W0021-001-34 Project Location Chemsford SA1
Well I.D. SW1-7 Date 10/22/97
Start Time 11:10 Finish Time 12:10
16:00 16:30

WATER LEVEL DATA (from top of casing)			
Total Well Depth (ft)	36.5	TOC Elevation (ft)	
Static Water Level (ft)	11.2	Well Diameter (in)	2"
Water Column Length (ft)	25.3	Well Volume (gal)	4.05

WELL PURGING DATA

Equipment Used disposable bailer

Purge Method bailing

Volume (gallons)	pH (S.U.)	~~Eh (mV)~~ COLOR	Specific Conductance ~~(u ohms)~~ mS/cm	Temperature (C)	Other (specify) Turbidity	ORP (mV)
INITIAL	7.34	clear	2.5	10.5	none	
4	7.56	clear	2.5	9.7	none	
8	7.50	clear	2.3	9.0	sl. turbid	
12	7.79	lt gray	2.2	10.0	turbid	
FINAL	7.80		2.2	11.0		204.7

SAMPLE COLLECTION

Equipment Used disposable bailer

QA/QC Samples Collected (If any) none

Sample No.	Preservative	Container Size and Type	Analysis Requested
SW1-7		10 containers	

Comments NO DNAPL / LNAPL

Sample Collector(s) MMM / TCS

GROUNDWATER SAMPLE COLLECTION RECORD
Painesville Works Site
Painesville, Ohio

Project No. W0021-001-24 | Project Location Dartron SA 1
Well I.D. Dart B-1 | Date 9/29/19
Start Time 1235 | Finish Time

WATER LEVEL DATA (from top of casing)			
Total Well Depth (ft)	20.34	TOC Elevation (ft)	
Static Water Level (ft)	5.43	Well Diameter (in)	2"
Water Column Length (ft)	14.91	Well Volume (gal)	~~4 gal~~ 2.8 gal

WELL PURGING DATA

Equipment Used Disposable Bailer

Purge Method Bailer

Volume (gallons)	pH (S.U.)	Eh (mV) ORP	Specific Conductance (u ohms)	Temperature (C)	Other (specify) Turb / Color
Initial	6.9	—	2090	20°	No / Clear
2.5	6.8	—	2200	18°	No / Clear
5.0	6.8	—	2200	17°	No / Grey
6.0	6.9	—	2100	16°	yes / Grey
Final	7.72	132.6	1950	19	Slight / Grey

SAMPLE COLLECTION

Equipment Used Bailer (Disposable)

QA/QC Samples Collected (If any) —

Sample No.	Preservative	Container Size and Type	Analysis Requested

Comments Dry @ 6.0 Gal
SWL Before - 12.54
SWL after - Dry

Sample Collector(s) JD, MM

GROUNDWATER SAMPLE COLLECTION RECORD
Painesville Works Site
Painesville, Ohio

Project No. W0021-001-24 Project Location SA 1 DAETRON
Well I.D. DAET B-~~49~~ 2 Date 9/24/97
Start Time 1334 Finish Time

WATER LEVEL DATA (from top of casing)			
Total Well Depth (ft)	20.34	TOC Elevation (ft)	
Static Water Level (ft)	5.58	Well Diameter (in)	2"
Water Column Length (ft)	14.72	Well Volume (gal)	1.8 gal

WELL PURGING DATA

Equipment Used

Purge Method

Volume (gallons)	pH (S.U.)	Eh (mV) ORP	Specific Conductance (u ohms)	Temperature (C)	Other (specify) TURB / Color
Initial	7.1	—	1990	17	No / Brown
3	7.1	—	2100	17	No / Brown
6	7.1	—	2000	16	Slight / Grey
Final	7.95	125.7	5000	17	No / Clear

SAMPLE COLLECTION

Equipment Used Bailer

QA/QC Samples Collected (If any)

Sample No.	Preservative	Container Size and Type	Analysis Requested

Comments Dry – 6 gallons
Before – 14.65
After –

Sample Collector(s) JD, MM

15
.164

GROUNDWATER SAMPLE COLLECTION RECORD
Painesville Works Site
Painesville, Ohio

Project No. W0021-001-24 Project Location SA 1 - Dartron
Well I.D. Dart B-4 Date 9/29/97
Start Time 1214 Finish Time

WATER LEVEL DATA (from top of casing)			
Total Well Depth (ft)	13.35	TOC Elevation (ft)	
Static Water Level (ft)	4.46	Well Diameter (in)	2
Water Column Length (ft)	8.89	Well Volume (gal)	

WELL PURGING DATA

Equipment Used Disposable Bailer

Purge Method Bailer

Volume (gallons)	pH (S.U.)	Eh (mV) ORP	Specific Conductance (u ohms)	Temperature (C)	Other (specify) Turb / color
initial	8.5	—	690 ~~ej~~	20	yes / Grey
1.5	8.5	—	720 ~~ej~~	19	yes / Grey
3	8.2	—	720 ~~ej~~	18	yes / Grey
3.5	8.2	—	690 ~~ej~~	18	yes / Grey
Final	8.63	91.9	790	19	yes / Grey

SAMPLE COLLECTION

Equipment Used

QA/QC Samples Collected (If any)

Sample No.	Preservative	Container Size and Type	Analysis Requested

Comments Dry @ 3.5
Water 8.19

Sample Collector(s) JD / MM

3
8.89
0.164
3556

GROUNDWATER SAMPLE COLLECTION RECORD
Painesville Works Site
Painesville, Ohio

Project No. W0021-001-24 | Project Location Dartron SA 1
Well I.D. Dart B-5 | Date 9/29/97
Start Time 1120 | Finish Time

WATER LEVEL DATA (from top of casing)			
Total Well Depth (ft)	15.13	TOC Elevation (ft)	
Static Water Level (ft)	5.21	Well Diameter (in)	2
Water Column Length (ft)	9.92	Well Volume (gal)	~~1.64~~ 1.64

WELL PURGING DATA

Equipment Used Disposable Bailer

Purge Method Bailer

Volume (gallons)	pH (S.U.)	Eh (mV) ORP	Specific Conductance (u ohms)	Temperature (C)	Other (specify) Turb / color
Initial	6.8		1.81 mS/cm	19	Slight / Grey
1.6	6.8		1.73 mS/cm	18	yes / Grey-Brown
2.5	6.9		1.78 mS/cm	18	yes / Grey-Brown
5.0	7.0		1.80 "	15	yes / Grey-Brown
			+.8		
Final	7.47	~~-144.3~~ 132.0	1.89 mS/cm	19	yes / Grey

SAMPLE COLLECTION

Equipment Used

QA/QC Samples Collected (If any)

Sample No.	Preservative	Container Size and Type	Analysis Requested

Comments Purged well Dry @ 5 gallons
SWL - before - 5.48

Sample Collector(s) JD/MM

GROUNDWATER SAMPLE COLLECTION RECORD
Painesville Works Site
Painesville, Ohio

Project No. W0021-001-24 Project Location SA. 1 Dustion
Well I.D. DuT B-6 Date 9/29/97
Start Time 1152 Finish Time

WATER LEVEL DATA (from top of casing)			
Total Well Depth (ft)	19.80	TOC Elevation (ft)	
Static Water Level (ft)	4.00	Well Diameter (in)	2"
Water Column Length (ft)	~~14.80~~ 10.8	Well Volume (gal)	1.7

WELL PURGING DATA

Equipment Used Disposable Bailer

Purge Method Bailer

Volume (gallons)	pH (S.U.)	Eh (mV) ORP	Specific Conductance (u ohms)	Temperature (C)	Other (specify) TURB / Color
initial	8.0	—	4400	19	yes / Grey
2	8.4	—	4600	18	yes / Grey
4	8.4	—	3890	17	yes / Grey
5.25	8.1	—	3700	16	yes / Grey
Final	11.24	-149.3	1000	19	yes / Grey

SAMPLE COLLECTION

Equipment Used

QA/QC Samples Collected (If any)

Sample No.	Preservative	Container Size and Type	Analysis Requested

Comments Dry @ 5.25 gal
Swl before - 7.57

Sample Collector(s) DD / MM

GROUNDWATER SAMPLE COLLECTION RECORD
Painesville Works Site
Painesville, Ohio

Project No.	W0021-001-24	Project Location	SA 1 Dartron
Well I.D.	8 Dartron 40	Date	9/24/97
Start Time	1312	Finish Time	

WATER LEVEL DATA (from top of casing)			
Total Well Depth (ft)	12.95	TOC Elevation (ft)	
Static Water Level (ft)	4.95	Well Diameter (in)	2"
Water Column Length (ft)	~~12.95~~ 8.0	Well Volume (gal)	1.32

WELL PURGING DATA

Equipment Used: Disposable Bailer

Purge Method: Bailer

Volume (gallons)	pH (S.U.)	Eh (mV) ORP	Specific Conductance (u ohms)	Temperature (C)	Other (specify) Turb / Color
Initial	6.3	—	17,700	16	No / Clear
1.5	6.3	—	16 900	16	yes / yellow
3	6.4	—	19000	16	yes / yellow-Brown
4.5	6.5	—	19 600	15	yes / Brown
					~~Slight / Grey~~
Final	6.90	40.7	19300	16	Slight / Grey

SAMPLE COLLECTION

Equipment Used: Bailer

QA/QC Samples Collected (If any)

Sample No.	Preservative	Container Size and Type	Analysis Requested

Comments: Dry @ 5 gallons
Before = 9.57

Sample Collector(s): JD/MM

5 3
.164
8
1316

GROUNDWATER SAMPLE COLLECTION RECORD
Painesville Works Site
Painesville, Ohio

Project No. W0021-001-24 Project Location S.A.I Dartron
Well I.D. DMT 47 Date 9/29/97
Start Time 1435 Finish Time

WATER LEVEL DATA (from top of casing)			
Total Well Depth (ft)	~~5.42~~ 9.97	TOC Elevation (ft)	
Static Water Level (ft)	~~4.7~~ 5.92	Well Diameter (in)	
Water Column Length (ft)	~~4.5~~ 4.55	Well Volume (gal)	1 gal

WELL PURGING DATA

Equipment Used

Purge Method

Volume (gallons)	pH (S.U.)	~~Eh~~ ORP (mV)	Specific Conductance (u ohms)	Temperature (C)	Other (specify) Turb / Color
Initial	7.0	—	2200	20	yes / Grey
1	7.1	—	2300	19	↓
2	7.1	—	2300	18	↓
3	7.1	—	2300	18	↓
Final	7.56	116.2	2300	19	Slight / Grey

SAMPLE COLLECTION

Equipment Used

QA/QC Samples Collected (If any)

Sample No.	Preservative	Container Size and Type	Analysis Requested

Comments Purge Dry @ 3.5 gallons
SWL Before - 5.43

Sample Collector(s) JD / MM

GROUNDWATER SAMPLE COLLECTION RECORD
Painesville Works Site
Painesville, Ohio

Project No.	W0021-001-24	Project Location	SA 1 DARTRON
Well I.D.	DART 49	Date	9/29/97
Start Time	1410	Finish Time	

WATER LEVEL DATA (from top of casing)			
Total Well Depth (ft)	9.92	TOC Elevation (ft)	
Static Water Level (ft)	5.17	Well Diameter (in)	2"
Water Column Length (ft)	4.75	Well Volume (gal)	1 Gal

WELL PURGING DATA

Equipment Used Disposable Bailer

Purge Method Bailer

Volume (gallons)	pH (S.U.)	Eh (mV) ORP	Specific Conductance (u ohms)	Temperature (C)	Other (specify) TURB /Color
Initial	7.9	—	1560	20	yes / Grey
1	7.9	—	1600	20	yes / Grey
2	7.9	—	1490	18	yes / Grey
3	7.9	—	1480	18	yes / Grey
Final	7.12	39.3	2200	19	yes / Grey-yellow

SAMPLE COLLECTION

Equipment Used

QA/QC Samples Collected (If any)

Sample No.	Preservative	Container Size and Type	Analysis Requested

Comments Sml Before ~ ~~5.13~~

Sample Collector(s) JD /MM

STUDY AREA 2

GROUNDWATER SAMPLE COLLECTION RECORD
Painesville Works Site
Painesville, Ohio

Project No. WC021-001-26 | Project Location S.A.2 - Scapler/Ace
Well I.D. SW2-1 | Date 10/21/97
Start Time 10:35 15:00 | Finish Time 11:30 ~~15:45~~ 15:45

WATER LEVEL DATA (from top of casing)			
Total Well Depth (ft)	44.54	TOC Elevation (ft)	
Static Water Level (ft)	19.86	Well Diameter (in)	2"
Water Column Length (ft)	24.86	Well Volume (gal)	3.95

WELL PURGING DATA

Equipment Used: disposable bailer

Purge Method: bailing

Volume (gallons)	pH (S.U.)	Rep	~~Eh (mV)~~ COLOR	Specific Conductance ~~(u ohms)~~ mS/cm	Rep	Temperature (C)	Other (specify) TURBIDITY	ORP (MV)
INITIAL	11.1	N/A	Clear	3.3	3.3	130	Not turbid	
3.95	6.72	6.70	cloudy	3.5	3.4	~~14.0~~ 13.5	slightly turbid	
7.9	7.64	7.64	greyish	3.1	3.1	12.4	turbid	
10 ~~11.85~~ DRY	7.88	7.88	gray	2.7	2.66	11.9	very turbid	
FINAL	7.90	7.91		2.7				

249.8 ~~24~~ TCS

SAMPLE COLLECTION

Equipment Used: disposable bailer

QA/QC Samples Collected (If any): GWDUP 5; FB

Sample No.	Preservative	Container Size and Type	Analysis Requested
GWDUP5			
SW2-1FB			
SW2-1			

Comments: NO LNAPL/DNAPL, NOTE: INITIAL pH NOT ACCURATE - pH meter NOT FUNCTIONING

Sample Collector(s): MMM / TCS

GROUNDWATER SAMPLE COLLECTION RECORD
Painesville Works Site
Painesville, Ohio

Project No. W0021-001-26 Project Location S.A.2 - Scapter/Ace
Well I.D. SW 2-2 Date ~~10/20/97~~ 10/21/97 TCS
Start Time 9:10 Finish Time 10:25
14:00 15:00

WATER LEVEL DATA (from top of casing)			
Total Well Depth (ft)	36.38	TOC Elevation (ft)	
Static Water Level (ft)	12.82	Well Diameter (in)	2"
Water Column Length (ft)	23.56	Well Volume (gal)	3.77

WELL PURGING DATA

Equipment Used disposable bailers

Purge Method bailing

Volume (gallons)	pH (S.U.)	~~Eh (mV)~~ COLOR	Specific Conductance ~~(u ohms)~~ mS/cm	Temperature (C)	Other (specify) TURBIDITY	ORP (mV)
INITIAL	7.3	clear	1.53	13°	NONE	
3.77	7.9	cloudy gray	1.77	12°	Slight	
7.54	7.7	gray	2.2	12°	turbid	
11.3	7.5	dk gray	1.76	13°	very turbid	
14.3 DRY	7.9	gray	1.78	12°	very turbid	
			1.78			
FINAL	7.92		→	12.40		251.1

SAMPLE COLLECTION

Equipment Used disposable bailer

QA/QC Samples Collected (If any) yes MS/MSD

Sample No.	Preservative	Container Size and Type	Analysis Requested
SW2-2			
SW2-2MS			
SW2-2MSD			

Comments NO LNAPL/DNAPL

Sample Collector(s) TCS / MMM

STUDY AREA 3

GROUNDWATER SAMPLE COLLECTION RECORD
Painesville Works Site
Painesville, Ohio

Project No. W0021-001-19 Project Location CLH

Well I.D. CL3-1 Date 9-23-97

Start Time purge 11:00 Finish Time purge 12:00

9/24 sample 8:30 sample 9:05

WATER LEVEL DATA (from top of casing)			
Total Well Depth (ft)	52.65	TOC Elevation (ft)	
Static Water Level (ft)	7.77	Well Diameter (in)	2"
Water Column Length (ft)	45.88	Well Volume (gal)	7.14

WELL PURGING DATA

Equipment Used pump

Purge Method pump

Volume (gallons)	pH (S.U.)	~~Eh~~ (mV) ORP	Specific Conductance mS/cm ~~(u ohms)~~	Temperature (C)	Other (specify) turbidity	color
start	6.3		23	17°	slight	rust colored particles suspended in clear liquid
~7	6.4		21	15°	No - clear	
~14	6.3		23	13.5°	No - clear	
~21	6.7		21	14°	slight - cloudy	
Sample	6.3		22	13.5°	No Clear	
Final	6.41	133.5	22	16.2°		

SAMPLE COLLECTION

Equipment Used bailer (disposable)

QA/QC Samples Collected (If any)

GW Dup 2 - same as CL3-1 bottles & analysis

Sample No.	Preservative	Container Size and Type	Analysis Requested

Comments Sample collected 9/24

SWL Before sample: 8.28 / After sample: 15.07

Sample Collector(s) JD / AW

45.88
.16
25528
4588
7.1408

GROUNDWATER SAMPLE COLLECTION RECORD
Painesville Works Site
Painesville, Ohio

Project No. W0021-001-19 Project Location CLH

Well I.D. CL3-2 Date 9-23-97

Start Time purge 1200 Finish Time purge 12:50

9/24 sample 9:05 sample 9:40

WATER LEVEL DATA (from top of casing)			
Total Well Depth (ft)	45.82	TOC Elevation (ft)	
Static Water Level (ft)	9.82	Well Diameter (in)	2"
Water Column Length (ft)	36.00	Well Volume (gal)	5.76

WELL PURGING DATA

Equipment Used pump

Purge Method pump

Volume (gallons)	pH (S.U.)	~~Eh~~ (mV) ORP	Specific Conductance mS/cm ~~(µ ohms)~~	Temperature (C)	Other (specify) Turbidity	color
start	10.1		11.3	12	NO	clear
5.75	6.4		44	14	slight	red particles
11.50	6.3		44	13.5	No	clear
13.50	6.4		43	14°	yes	red
17.25	6.4		44	14°	NO	clear
Sample	6.5		43	14°	NO	clear
Final	6.60	70.4	43	16.4°		

SAMPLE COLLECTION

Equipment Used bailer (disposable)

QA/QC Samples Collected (If any) MS/MSD - same as above

Sample No.	Preservative	Container Size and Type	Analysis Requested

Comments Sample collected 9/24

SWL Before sample: 10.75 After sample: 16.87

Sample Collector(s)

36.00
16
2160 0
3600
5.7600

GROUNDWATER SAMPLE COLLECTION RECORD
Painesville Works Site
Painesville, Ohio

Project No. W0021-001-19 Project Location CLIT
Well I.D. CL3-4 Date 9-23-97
Start Time purge 14:40 Finish Time purge 15:25
Sample 10:20 Sample 10:40

WATER LEVEL DATA (from top of casing)			
Total Well Depth (ft)	47.28	TOC Elevation (ft)	
Static Water Level (ft)	18.26	Well Diameter (in)	2"
Water Column Length (ft)	29.02	Well Volume (gal)	4.64

WELL PURGING DATA

Equipment Used pump

Purge Method pump

Volume (gallons)	pH (S.U.)	~~Eh (mV)~~ ORP	Specific Conductance mS/cm ~~(µ ohms)~~	Temperature (C)	Other (specify) Turbidity	color
Start	6.6		9.9	15°	very light	red particle
4.6	6.5		12.0	13°	No	clear
9.0	6.5		12.2	13°	No	clear
13.6	6.6		11.8	13°	No	clear
Sample	6.5		11.5	14°	No	clear
Final	6.75	129.1	11.5	15.9		

SAMPLE COLLECTION

Equipment Used bailer / disposable

QA/QC Samples Collected (If any)

Sample No.	Preservative	Container Size and Type	Analysis Requested

Comments Sample collected 9/24
SWL Before sample: 20.14 / After sample: 22.12

Sample Collector(s) AW / JD

29.02
16
17+12
2902
4.6432

GROUNDWATER SAMPLE COLLECTION RECORD
Painesville Works Site
Painesville, Ohio

Project No. W0021-001-19 Project Location CLH
Well I.D. CL3-5 Date 9-23-97
Start Time purge 15:25 Finish Time purge 16:00
9/24 sample 10:40 sample 10:50

WATER LEVEL DATA (from top of casing)			
Total Well Depth (ft)	47.23	TOC Elevation (ft)	
Static Water Level (ft)	18.64	Well Diameter (in)	2"
Water Column Length (ft)	28.59	Well Volume (gal)	4.57

WELL PURGING DATA

Equipment Used pump

Purge Method pump

Volume (gallons)	pH (S.U.)	~~Eh~~ (mV) ORP	Specific Conductance mS/cm ~~(µ ohms)~~	Temperature (C)	Other (specify) Turbidity	color
Start	6.9		4.5	16°	very light	red particle
4.60	6.8		5.4	13°	No	clear
9.00	6.8		5.4	13°	No	clear
13.6	6.8		5.3	13°	yes	cloudy
Sample	6.7		5.4	17°	No	clear
Final	7.00	241.1	5.4	16.6		

SAMPLE COLLECTION

Equipment Used bailer

QA/QC Samples Collected (If any)

Sample No.	Preservative	Container Size and Type	Analysis Requested

Comments Sample taken 9/24
SWL Before sample: 20.27 / After Sample: 21.70

Sample Collector(s) AW/J.D.

28.59
16
171.54
2859

GROUNDWATER SAMPLE COLLECTION RECORD
Painesville Works Site
Painesville, Ohio

Project No. WC021-001-19 Project Location CLH
Well I.D. CL3-6 Date 9-23-97
Start Time purge 16:00 sample 13:00 Finish Time purge 16:30 sample

WATER LEVEL DATA (from top of casing)			
Total Well Depth (ft)	49.31	TOC Elevation (ft)	
Static Water Level (ft)	15.62	Well Diameter (in)	2"
Water Column Length (ft)	31.79	Well Volume (gal)	5.08

WELL PURGING DATA

Equipment Used pump

Purge Method pump

Volume (gallons)	pH (S.U.)	~~Eh~~ (mV) ORP	Specific Conductance mS/cm ~~(u ohms)~~	Temperature (C)	Other (specify) Turbidity	color
start	7.1	–	1.75	17	very light	red particles
5	6.8	–	2.4	14°	NO	clear
10	6.8	–	2.7	13°	NO	clear
15	6.9	–	2.6	13°	Yes	lots of red particles
Sample	6.7	–	2.7	17°	NO	clear
Final	7.12	181.4	2.7	19.3		

SAMPLE COLLECTION

Equipment Used bailer.

QA/QC Samples Collected (If any) CL3-6 F.B - Dist. H_2O Only

Sample No.	Preservative	Container Size and Type	Analysis Requested

Comments Sample taken 9/24
SWL Before sample: 17.52 / After sample: 22.48

Sample Collector(s) AW / JD.

31.79
16
19074
3179
508.4

STUDY AREA 4

GROUNDWATER SAMPLE COLLECTION RECORD
Painesville Works Site
Painesville, Ohio

Project No. WOD 21-001-19
Project Location SK4 - CLH
Well I.D. SW4-1
Date 10/22/97 / 10/23/97
Start Time 13:30 / 11:30
Finish Time 14:00 / 12:15

WATER LEVEL DATA (from top of casing)			
Total Well Depth (ft)	38.92	TOC Elevation (ft)	
Static Water Level (ft)	27.71	Well Diameter (in)	2"
Water Column Length (ft)	11.21	Well Volume (gal)	1.79

WELL PURGING DATA

Equipment Used disposable bailer

Purge Method bailing

Volume (gallons)	pH (S.U.)	~~Eh (mV)~~ COLOR	Specific Conductance ~~(u ohms)~~ mS/cm	Temperature (C)	Other (specify) Turbidity	ORP (mV)
INITIAL	11.58	Clear	4.1	8.8	v.slight turb.	
2	11.63	dk gray	3.7	9.4	v turbid	
4	11.73	dk gray	4.1	9.0	v. turbid	
5 + Dry	11.78	dk gray	4.0	9.0	v. turbid	
FINAL	11.78		4.0	9.1		-66.6
Rep	11.8			9.1		-63.9

SAMPLE COLLECTION

Equipment Used disposable bailer

QA/QC Samples Collected (If any) yes - [illegible] FB

Sample No.	Preservative	Container Size and Type	Analysis Requested
SW4-1	various	10 containers	See Chain
~~SW~~			
GWDUP6			
SW4-1 FB			

Comments

Sample Collector(s) MWM/TCS

GROUNDWATER SAMPLE COLLECTION RECORD
Painesville Works Site
Painesville, Ohio

Project No. W0021-001-31
Project Location SA 4 - Grantham
Well I.D. SW4-4
Date 10/22/97 / 10/23/97
Start Time 13:00 / 10:40
Finish Time 13:30 / 11:20

WATER LEVEL DATA (from top of casing)			
Total Well Depth (ft)	25.84	TOC Elevation (ft)	
Static Water Level (ft)	14.21	Well Diameter (in)	2"
Water Column Length (ft)	11.63	Well Volume (gal)	1.86

WELL PURGING DATA

Equipment Used disposable bailers

Purge Method bailing

Volume (gallons)	pH (S.U.)	~~Eh (mV)~~ COLOR	Specific Conductance (~~u ohms~~) mS/cm	Temperature (C)	Other (specify) Turbidity	ORP (mV)
INITIAL	9.32	DK GRAY/BROWN	3.1	9.1	very turbid	
2	9.26	DK GR/BR	2.5	9.1	very turbid	
4	9.19	Dark brown/gray	2.6	9.4	very turbid	
6	8.94	Dark brown	2.5	9.4	very turbid	
FINAL	8.95		2.5	9.4		48.9

SAMPLE COLLECTION

Equipment Used disposable bailer

QA/QC Samples Collected (If any) yes - MS/MSD

Sample No.	Preservative	Container Size and Type	Analysis Requested
SW4-4	Various	10 containers	See Chain
SW4-4 MS		↓	↓
SW4-4 MSD			

Comments

Sample Collector(s) MMM/TCS

STUDY AREA 5

GROUNDWATER SAMPLE COLLECTION RECORD
Painesville Works Site
Painesville, Ohio

Project No.	W0021-001-19	Project Location	SAS
Well I.D.	CLS-1	Date	10/1/97
Start Time	0835	Finish Time	~~0950~~ 1327

WATER LEVEL DATA (from top of casing)			
Total Well Depth (ft)	41.03	TOC Elevation (ft)	
Static Water Level (ft)	31.56	Well Diameter (in)	2
Water Column Length (ft)	9.47	Well Volume (gal)	1.6

WELL PURGING DATA

Equipment Used Disposable Bailer

Purge Method Bailer

Volume (gallons)	pH (S.U.)	~~Eh~~ ORP (mV)	Specific Conductance (u ohms)	Temperature (C)	Other (specify) Color / Turb
Initial	12.3	—	13300	13	Clear / Slight
1.5	12.4	—	15100	13	Clear / None
3.0	12.5	—	14300	13	Clear / None
5.0	12.6	—	13300	13	Clear / None
Final	12.59	-68.4	12300	13	Clear / None

SAMPLE COLLECTION

Equipment Used Bailer

QA/QC Samples Collected (If any) CLS-1 MS/MSD

Sample No.	Preservative	Container Size and Type	Analysis Requested

Comments

Sample Collector(s) CLS-1 JD/MM

GROUNDWATER SAMPLE COLLECTION RECORD
Painesville Works Site
Painesville, Ohio

Project No.	W0021-001-19	Project Location	SAS
Well I.D.	CLS-2	Date	10/1/97
Start Time	1435	Finish Time	1520

WATER LEVEL DATA (from top of casing)			
Total Well Depth (ft)	10.50	TOC Elevation (ft)	
Static Water Level (ft)	4.88	Well Diameter (in)	2"
Water Column Length (ft)	5.62	Well Volume (gal)	1

WELL PURGING DATA

Equipment Used Disposable Bailer

Purge Method Bailer

Volume (gallons)	pH (S.U.)	~~Eh~~ (mV) ORP	Specific Conductance (u ohms)	Temperature (C)	Other (specify) Turb / color
Initial	7.7	—	7400	15	Slight / Clear
1	7.7	—	7600	14	No / Clear
2	7.7	—	7500	14	No / Clear
3	7.7	—	7600	14	No / Clear
Final	7.82	120.5	7000	14	No / Clear
Replicate	7.83	120.6			

SAMPLE COLLECTION

Equipment Used Bailer

QA/QC Samples Collected (If any) CLS-2FB, GW Dup 3

Sample No.	Preservative	Container Size and Type	Analysis Requested

Comments

Sample Collector(s) JD / MM CLS-2

STUDY AREA 6

GROUNDWATER SAMPLE COLLECTION RECORD

Painesville Works Site

Painesville, Ohio

Project No. W0021-001-19 Project Location SA 6

Well I.D. CL6-1 Date 9/25/97

Start Time purge 0800 sample Finish Time purge 9:00 sample

WATER LEVEL DATA (from top of casing)			
Total Well Depth (ft)	25.88	TOC Elevation (ft)	
Static Water Level (ft)	13.35	Well Diameter (in)	2"
Water Column Length (ft)	12.53	Well Volume (gal)	2.03

WELL PURGING DATA

Equipment Used Pump

Purge Method Pump

Volume (gallons)	pH (S.U.)	Eh (mV) ORP	Specific Conductance ~~(u ohms)~~	Temperature (C)	Other (specify) TURB / COLOR
initial	6.9	—	>23 mS/cm	13	Clear / grey
2	7.1	—	> 24 mS/cm	13	yes / grey
~4 well dry	7.6	—	> 25 mS/cm	13	yes / grey
Sample	7.1	—	25 mS/cm	16	No / Clear
Final	7.06	2.5	~~25 mS/cm~~		No / Clear

SAMPLE COLLECTION

Equipment Used Bailer (Disposable)

QA/QC Samples Collected (If any) Field Blank CL6-1 F.B.

Sample No.	Preservative	Container Size and Type	Analysis Requested

Comments Sample Taken 9/29/97 @ 1615

Sample Collector(s) JD / MM

12.53
0.164
5012
7318
1253
2.03492

GROUNDWATER SAMPLE COLLECTION RECORD
Painesville Works Site
Painesville, Ohio

Project No. W0021-001-19 Project Location CLH

Well I.D. CL-6-1A Date 9/25/97

Start Time purge 0800 Finish Time 10:80
Sample sample

WATER LEVEL DATA (from top of casing)			
Total Well Depth (ft)	18.93	TOC Elevation (ft)	
Static Water Level (ft)	13.42	Well Diameter (in)	2"
Water Column Length (ft)	5.51	Well Volume (gal)	0.904

WELL PURGING DATA

Equipment Used bailer

Purge Method bailer

Volume (gallons)	pH (S.U.)	Eh (mV) 0.28	Specific Conductance mS/cm ~~(u ohms)~~	Temperature (C)	Other (specify) ~~turb~~ / color	color
initial	10.3	—	7.200	14°	None / Dark yellow green	yellow Gree
~1 gall	11.6		7.9	14°	NO	fluorescen green
Final	10.50	45.2	7.7	14°	No / yellow-green	

SAMPLE COLLECTION

Equipment Used Bailer

QA/QC Samples Collected (If any) —

Sample No.	Preservative	Container Size and Type	Analysis Requested

Comments * Like Radiator Fluid - probably HexChrome
Dry @ ~1 gallon

Sample Collector(s) JD, MM 9/30/97 1530

5.51
0.164
2204
3306
551

GROUNDWATER SAMPLE COLLECTION RECORD
Painesville Works Site
Painesville, Ohio

Project No. WSU21-001-19 Project Location SA 6 - CLH

Well I.D. CL6-1A Date 10/22/97 / 10/23/97

Start Time 18.00 / 16:45 Finish Time 18:30 / 17:00

WATER LEVEL DATA (from top of casing)			
Total Well Depth (ft)	18.95	TOC Elevation (ft)	
Static Water Level (ft)	13.7	Well Diameter (in)	2"
Water Column Length (ft)	5.25	Well Volume (gal)	0.84

WELL PURGING DATA

Equipment Used minipumper

Purge Method pump

Volume (gallons)	pH (S.U.)	~~Eh (mV)~~ color	Specific Conductance ~~(u ohms)~~ mS/cm	Temperature (C)	Other (specify) Turbidity
INITIAL	11.33	yellow/green	7.4	9.5	none
~~.75 gal~~ DRY	10.90	yellow/green	7.7	10.5	none

SAMPLE COLLECTION

Equipment Used disposable bailer

QA/QC Samples Collected (If any) none

Sample No.	Preservative	Container Size and Type	Analysis Requested
CL6-1A	Na_2SO_3	2 - 1L amber	TCLSVOCs

Comments

Sample Collector(s) MMM / TCS

GROUNDWATER SAMPLE COLLECTION RECORD
Painesville Works Site
Painesville, Ohio

Project No. W0021-001-19 Project Location CLH
Well I.D. CL6-2 Date 9-24-97
Start Time purge 17:00 sample Finish Time purge 17:20 sample

WATER LEVEL DATA (from top of casing)			
Total Well Depth (ft)	39.14	TOC Elevation (ft)	
Static Water Level (ft)	38.16	Well Diameter (in)	2"
Water Column Length (ft)	0.98	Well Volume (gal)	.157

WELL PURGING DATA

Equipment Used disposable bailer

Purge Method bailer

Volume (gallons)	pH (S.U.)	~~Eh~~ (mV) ORP	Specific Conductance mS/m ~~(u ohms)~~	Temperature (C)	Other (specify) Turbidity	color
start	7.2		3.3	15.5	Yes	milky yellow

SAMPLE COLLECTION

Equipment Used

QA/QC Samples Collected (If any)

Sample No.	Preservative	Container Size and Type	Analysis Requested

Comments * Well only contains .157 gallons of water
— bailed dry w/ 1/3 bailer (1/12 gallon)
Well empty NOT Sampled
insufficient Water well Dry

Sample Collector(s)

4
.98
.16
1588
98

GROUNDWATER SAMPLE COLLECTION RECORD
Painesville Works Site
Painesville, Ohio

Project No. WOD21-001-19 Project Location CLH

Well I.D. CLe-3 Date 9-25-97

Start Time purge 11:00 sample 2:30 Finish Time purge 11:15 sample 2:55

WATER LEVEL DATA (from top of casing)			
Total Well Depth (ft)	18.92	TOC Elevation (ft)	
Static Water Level (ft)	18.11	Well Diameter (in)	2"
Water Column Length (ft)	.81	Well Volume (gal)	.13

WELL PURGING DATA

Equipment Used bailer

Purge Method bailer

Volume (gallons)	pH (S.U.)	~~Eh~~ (mV) ORP	Specific Conductance ~~mS/cm (µ ohms)~~	Temperature (C)	Other (specify) Turbidity	color
Start	10.7	–	22	16°	No	iced tea
.2	10.8	–	23	14°	NO	iced tea
.4	11.2	–	23	14	No	iced tea
.8	11.4	–	24	14	NO	iced tea
1	11.4	–	25	14	No	iced tea
Sample	11.2	–	25	14°	"	"
Final	11.22	19.5				

SAMPLE COLLECTION

Equipment Used bailer

QA/QC Samples Collected (If any)

Sample No.	Preservative	Container Size and Type	Analysis Requested

Comments SWL before sample: 18.12 / after: 18.15

Sample Collector(s)

.81
.16
486
81

GROUNDWATER SAMPLE COLLECTION RECORD
Painesville Works Site
Painesville, Ohio

Project No. W0021-001-19 Project Location CLH

Well I.D. CL6-4 Date 9-25-97

Start Time purge 11:30 sample 3:10 Finish Time purge 11:55 sample 3:35

WATER LEVEL DATA (from top of casing)			
Total Well Depth (ft)	19.25	TOC Elevation (ft)	
Static Water Level (ft)	7.48	Well Diameter (in)	2"
Water Column Length (ft)	11.77	Well Volume (gal)	1.9

WELL PURGING DATA

Equipment Used bailer

Purge Method bailer

Volume (gallons)	pH (S.U.)	~~Eh~~ (mV) ORP	Specific Conductance ~~(u ohms)~~ mS/m	Temperature (C)	Other (specify) Turbidity	Color
start	12.6	–	27	17°	No	ice tea/yellow
~2	13.0	–	28	16°	No	"
~4	13.0	–	30	16°	NO	"
~6	13.0	–	29	16°	NO	"
Sample	12.8	–	28	16°	No	"
final	12.83	-43.5				

SAMPLE COLLECTION

Equipment Used bailer

QA/QC Samples Collected (If any)

Sample No.	Preservative	Container Size and Type	Analysis Requested

Comments PID ~ 90 in well / 1 in breathing zone
Rusty color liquid w/ bright yellow "sheen" - odd smell (ammonia? ferrous?) SWL Before: 7.29 After: 8:31

Sample Collector(s)

.4 u
11.77
16
7062
1177
18832

GROUNDWATER SAMPLE COLLECTION RECORD
Painesville Works Site
Painesville, Ohio

Project No. W0021-001-19 Project Location

Well I.D. CL6-5 Date 9-23-97

Start Time purge 10:15 Finish Time purge 11:00

Sample 1:40 9/25/97 Sample 2:05 9/25/97

WATER LEVEL DATA (from top of casing)			
Total Well Depth (ft)	62.75	TOC Elevation (ft)	
Static Water Level (ft)	27.21	Well Diameter (in)	2"
Water Column Length (ft)	35.54	Well Volume (gal)	5.68

WELL PURGING DATA

Equipment Used pump

Purge Method pump

Volume (gallons)	pH (S.U.)	~~Eh~~ (mV) ORP	Specific Conductance mS/cm ~~(u ohms)~~	Temperature (C)	Other (specify) Turbidity	color
start	7.5	–	1.90	17.5	No	clear
5.5	7.8	–	2.00	16.0	yes	grey
Final	9.19	118.4	2200	16	No	clear

SAMPLE COLLECTION

Equipment Used Bailer

QA/QC Samples Collected (If any)

Sample No.	Preservative	Container Size and Type	Analysis Requested

Comments purged dry @ ~6 gallons
Depth before 34.62
after 46.25

Sample Collector(s) JD / AL

35.54
16
21324
3554
5.6864

GROUNDWATER SAMPLE COLLECTION RECORD
Painesville Works Site
Painesville, Ohio

Project No. WOD21-001-19 Project Location CLH

Well I.D. CL6-6 Date 9-25-97

Start Time purge 10:00 sample 2:20 Finish Time purge 10:55 sample: 2:30

WATER LEVEL DATA (from top of casing)			
Total Well Depth (ft)	7.90	TOC Elevation (ft)	
Static Water Level (ft)	3.45	Well Diameter (in)	2"
Water Column Length (ft)	4.45	Well Volume (gal)	.71

WELL PURGING DATA

Equipment Used bailer

Purge Method bailer

Volume (gallons)	pH (S.U.)	~~Eh~~ (mV) ORP	Specific Conductance mS/cm ~~(u ohms)~~	Temperature (C)	Other (specify) Turbidity	color
start	6.9		2.5	17.5	No	clear
~1 gal	6.9		2.3	16	slight	rusty
~2 gal	6.8		2.8	16	yes	lt. orange
~3 gal	6.9		2.8	16	yes	lt. orange
sample	7.2		2.4	16	slight	orange/brn
Final	7.28	155.3				

SAMPLE COLLECTION

Equipment Used bailer

QA/QC Samples Collected (If any)

Sample No.	Preservative	Container Size and Type	Analysis Requested

Comments SWL before sample 3.62 / after: 3.58

Sample Collector(s) JD/AW

4.45
16
2670
445
.71 20

GROUNDWATER SAMPLE COLLECTION RECORD
Painesville Works Site
Painesville, Ohio

Project No.	WD021-001-19	Project Location	S.A.6 - CLH
Well I.D.	CL6-7	Date	10/2/97
Start Time	0800	Finish Time	

WATER LEVEL DATA (from top of casing)			
Total Well Depth (ft)	10.75	TOC Elevation (ft)	
Static Water Level (ft)	4.92	Well Diameter (in)	2"
Water Column Length (ft)	5.83	Well Volume (gal)	~ 1

WELL PURGING DATA

Equipment Used: Disposable Bailers

Purge Method: Bailer

Volume (gallons)	pH (S.U.)	~~Eh~~ (mV) ORP	Specific Conductance (u ohms)	Temperature (C)	Other (specify) Turb / color
initial	6.7	–	10500	18	Clear / None
1	7.2	–	3000	18	Slight / Brown yellow
2	7.1	–	5200	18	No / Clear
3	7.2	–	4300	18	No / Clear
Final	7.46	23.3	5600	18	No / Clear

15.

SAMPLE COLLECTION

Equipment Used: Disposable Bailer

QA/QC Samples Collected (If any): –

Sample No.	Preservative	Container Size and Type	Analysis Requested

Comments

Sample Collector(s): JD / MM

GROUNDWATER SAMPLE COLLECTION RECORD
Painesville Works Site
Painesville, Ohio

Project No.	W0021-001-19	Project Location	SA 6
Well I.D.	CL6-8	Date	10/1/97
Start Time	1030	Finish Time	1315

WATER LEVEL DATA (from top of casing)			
Total Well Depth (ft)	16.30	TOC Elevation (ft)	
Static Water Level (ft)	6.83	Well Diameter (in)	2"
Water Column Length (ft)	9.47	Well Volume (gal)	~1.5

WELL PURGING DATA

Equipment Used: Disposable Bailers

Purge Method: Bailer

Volume (gallons)	pH (S.U.)	Eh (mV)	Specific Conductance (u ohms)	Temperature (C)	Other (specify) Turb / Color
Initial	7.9	—	23000	18	No / yellow
1.5	8.6	—	44000	15	No / yellow
3	8.7	—	47000	14	Slight / yellow
4.5	8.9	—	47000	14	Slight / yellow
Final	8.87	87.2	49,000	14	No / yellow

SAMPLE COLLECTION

Equipment Used: Disposable Bailer

QA/QC Samples Collected (If any): CL6-8 MS/MSD

Sample No.	Preservative	Container Size and Type	Analysis Requested

Comments: * Watch for snake - None found

Sample Collector(s): JD / MM CL6-8

GROUNDWATER SAMPLE COLLECTION RECORD
Painesville Works Site
Painesville, Ohio

Project No.	W0021-001-19	Project Location	S.A.6-CLH
Well I.D.	CL6-9	Date	10/2/97
Start Time	0855	Finish Time	

WATER LEVEL DATA (from top of casing)			
Total Well Depth (ft)	12.76	TOC Elevation (ft)	
Static Water Level (ft)	6.81	Well Diameter (in)	2"
Water Column Length (ft)	5.95	Well Volume (gal)	~1 gal

WELL PURGING DATA

Equipment Used: Disposable Bailer

Purge Method: Bailer

Volume (gallons)	pH (S.U.)	Eh (mV)	Specific Conductance (u ohms)	Temperature (C)	Other (specify) TURB/color
initial	11.6	—	6600	14	No/clear
1	11.8	—	7200	14	No/clear
2	11.9	—	8300	14	No/clear
3	12.0	—	8709	14	No/clear
Final	~~[illegible]~~ 9.49	606.6	8500	14	No/clear
Replicate	~~[illegible]~~ 9.80	70.1		15.2	

SAMPLE COLLECTION

Equipment Used: Bailer

QA/QC Samples Collected (If any): GW Dup 4 SA6

Sample No.	Preservative	Container Size and Type	Analysis Requested

Comments

Sample Collector(s): JD/MM

STUDY AREA 7

GROUNDWATER SAMPLE COLLECTION RECORD
Painesville Works Site
Painesville, Ohio

Project No. WQD21-001-32
Project Location SA7 – Paines Twp
Well I.D. SW7-2
Date ~~10/22/97~~ TCS 10/23/97
Start Time 14:50
Finish Time 15:15
15:40
16:30

WATER LEVEL DATA (from top of casing)			
Total Well Depth (ft)	11.75	TOC Elevation (ft)	
Static Water Level (ft)	6.03	Well Diameter (in)	2"
Water Column Length (ft)	5.72	Well Volume (gal)	.92

WELL PURGING DATA

Equipment Used disposable bailer

Purge Method bailing

Volume (gallons)	pH (S.U.)	~~Eh (mV)~~ COLOR	Specific Conductance ~~(u ohms)~~ mS/cm	Temperature (C)	Other (specify) Turbidity	ORP
INITIAL	6.61	clear	3.2	11.5	none	
1	6.71	lt brown/gray	3.4	11.6	sl. turbid	
2	6.66	lt brown	3.5	11.7	turbid	
3	6.79	lt brown	3.7	12.1	turbid	168.2

SAMPLE COLLECTION

Equipment Used disposable bailer

QA/QC Samples Collected (If any) MS/MSD

Sample No.	Preservative	Container Size and Type	Analysis Requested
SW7-2		10 Containers	see chain
	Various		
SW7-2MS			
SW7-2MSD			

Comments

Sample Collector(s) MMM/TCS

SURFACE

~~GROUNDWATER~~ SAMPLE COLLECTION RECORD

Painesville Works Site

Painesville, Ohio

Project No. WOD21-001-32 Project Location SA7-Paines Twp

Well I.D. SW7-2 G.R. (Grand River) Date 10/23/97

Start Time 15:15 Finish Time 15:40

WATER LEVEL DATA (from top of casing)			
Total Well Depth (ft)		TOC Elevation (ft)	
Static Water Level (ft)		Well Diameter (in)	
Water Column Length (ft)		Well Volume (gal)	

N/A

WELL PURGING DATA

Equipment Used N/A

Purge Method N/A

Volume (gallons) SAMPLE	pH (S.U.)	~~Eh (mV)~~ COLOR	Specific Conductance (~~u ohms~~) mS/cm	Temperature (C)	Other (specify) turbidity	ORP(mv)
SW7-2GR	7.18	lt. yellow/clear	0.86	10.1	none	166.5

SAMPLE COLLECTION

Equipment Used 5 gallon bucket

QA/QC Samples Collected (If any) NO

Sample No.	Preservative	Container Size and Type	Analysis Requested
SW7-2GR	Various	10 containers	See chain (same as GW)

Comments

Sample Collector(s) MMM/TCS

GROUNDWATER SAMPLE COLLECTION RECORD
Painesville Works Site
Painesville, Ohio

Project No. WOD21-001-33
Project Location SA7 – Nacelle
Well I.D. SW7-3
Date 10/22/97
Start Time 14:15
13:50
Finish Time 14:45
14:30

WATER LEVEL DATA (from top of casing)			
Total Well Depth (ft)	18.6	TOC Elevation (ft)	
Static Water Level (ft)	9.6	Well Diameter (in)	2"
Water Column Length (ft)	9	Well Volume (gal)	1.44

WELL PURGING DATA

Equipment Used mini-purger

Purge Method pump

Volume (gallons)	pH (S.U.)	~~Eh (mV)~~ COLOR	Specific Conductance ~~(u ohms)~~ mS/cm	Temperature (C)	Other (specify) Turbidity	ORP (mV)
INITIAL	6.72	LT GRAY	1.61	11.2	Slight turbid	
1.5	6.80	lt gray	1.61	11.2	turbid	
3	6.64	lt gray	1.49	11.7	turbid	
4.5	6.60	lt gray	1.54	12.8	turbid	
FINAL	6.61		1.54	12.9		195.8
REP	6.60			13.0		195.1

SAMPLE COLLECTION

Equipment Used disposable bailer

QA/QC Samples Collected (If any) yes – FB, GWDUP7

Sample No.	Preservative	Container Size and Type	Analysis Requested
SW7-3	various	10 containers	See chain
SW7-3 FB			
GWDUP7			

Comments

Sample Collector(s) MRM / TLS

GROUNDWATER SAMPLE COLLECTION RECORD
Painesville Works Site
Painesville, Ohio

Project No. W0021-001-33
Project Location SA 7 - Naceele
Well I.D. SW7-4
Date 10/23/97
Start Time 9:45
14:30
Finish Time 10:15
14:45

WATER LEVEL DATA (from top of casing)			
Total Well Depth (ft)	18.72	TOC Elevation (ft)	
Static Water Level (ft)	7.50	Well Diameter (in)	2"
Water Column Length (ft)	11.27	Well Volume (gal)	1.80

WELL PURGING DATA

Equipment Used mini purger

Purge Method pump

Volume (gallons)	pH (S.U.)	~~Eh (mV)~~ COLOR	Specific Conductance ~~(u ohms)~~ mS/cm	Temperature (C)	Other (specify) Turbidity	ORP (mV)
INITIAL	6.98	clear	10.5	11.5	none	
2	7.00	lt gray	11.1	13.4	Slightly turbid	
4	6.88	lt gray/cl	11.7	12.5	Slightly turbid	
~~6~~				~~11.7~~ JCS		
6	6.96	lt gray/cl	10.9	13.1	slightly	
FINAL	6.96		10.9	13.1		167.2

SAMPLE COLLECTION

Equipment Used disposable bailer

QA/QC Samples Collected (If any) NO

Sample No.	Preservative	Container Size and Type	Analysis Requested
SW7-4	various	10 containers	see chain

Comments NO LNAPL/DNAPL

Sample Collector(s) MMM/JCS

APPENDIX E

MONITORING WELL INSPECTION FORMS

STUDY AREA 1

ASR-MW-1

9/18/97
CWS

WELL INTEGRITY INFORMATION FORM

- Is the well locked? YES
- What is the condition of the protective casing? NONE - PVC RISER ONLY
- Does the well have an identification label on it? "/" ON CAP
- Does the well have any discharge or electrical conduits attached to it? NO
- Is there any evidence of visual damage or tampering? YES - WELL IS VERY LOOSE.
- Are there any cracks or settlement in the casing seal? NO
- Are there any cracks or settlement in the concrete cap (if present)? NO, BUT CONCRETE IS "FREE" FROM GROUND & IS LOOSE (SUSPENDED F/ WELL)
- Is there any soil washouts or ground depressions around the well? NO
- What is the organic vapor reading on the well riser pipe? 0.0 w/PID
- Record depth to water. 3.97'
- Are there any immiscible layers? NO LNAPL OR DNAPL
- Record depth to bottom of well. 32.00
- Is the bottom hard or silted? HARD
- Compare field observations to well construction log if available.

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ASRMW-2

9/18/97
aw

WELL INTEGRITY INFORMATION FORM

- Is the well locked? yes
- What is the condition of the protective casing? NONE - 2" PVC RISER ONLY
- Does the well have an identification label on it? "2"
- Does the well have any discharge or electrical conduits attached to it? NO
- Is there any evidence of visual damage or tampering? NO
- Are there any cracks or settlement in the casing seal? NO
- Are there any cracks or settlement in the concrete cap (if present)? NO
- Is there any soil washouts or ground depressions around the well? NO
- What is the organic vapor reading on the well riser pipe? Ø.Ø w/ PID.
- Record depth to water. 7.15'
- Are there any immiscible layers? NO LNAPL OR DNAPL
- Record depth to bottom of well. 35.47
- Is the bottom hard or silted? hard
- Compare field observations to well construction log if available.

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ASR-MW-3

9/17/97
CMS

WELL INTEGRITY INFORMATION FORM

- Is the well locked? YES
- What is the condition of the protective casing? NONE - PVC RISER ONLY
- Does the well have an identification label on it? "MW-3" ON CAP
- Does the well have any discharge or electrical conduits attached to it? NO
- Is there any evidence of visual damage or tampering? NO
- Are there any cracks or settlement in the casing seal? NO
- Are there any cracks or settlement in the concrete cap (if present)? NO
- Is there any soil washouts or ground depressions around the well? NO
- What is the organic vapor reading on the well riser pipe? 0 w/PID
- Record depth to water. 4.15'
- Are there any immiscible layers? NO LNAPL OR DNAPL
- Record depth to bottom of well. 42.24
- Is the bottom hard or silted? ~~YE~~ SILTED
- Compare field observations to well construction log if available.

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ASR MW-4

9/17/97
CWS

WELL INTEGRITY INFORMATION FORM

- Is the well locked? YES - HAD TO CUT - BHE WILL REPLACE
- What is the condition of the protective casing? NONE - PVC RISER ONLY
- Does the well have an identification label on it? "MW-4" PERMANENT MARKER
- Does the well have any discharge or electrical conduits attached to it? NO
- Is there any evidence of visual damage or tampering? NO
- Are there any cracks or settlement in the casing seal? NO
- Are there any cracks or settlement in the concrete cap (if present)? NO
- Is there any soil washouts or ground depressions around the well? NO
- What is the organic vapor reading on the well riser pipe? 0.0 w/PID
- Record depth to water. 5.55
- Are there any immiscible layers? NO LNAPL OR DNAPL
- Record depth to bottom of well. 37.69
- Is the bottom hard or silted? HARD
- Compare field observations to well construction log if available.

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