EPA Region 5 Records Ctr.
253009

Quanterra
Environmental Services

Date: 02/16/00
Time: 16:50:44
(Mountain Time)

From: Jeff Smith
Quanterra
4101 Shuffel Drive NW
North Canton, OH 44720

voice: 330-497-9396
fax: 330-497-0772

To: Scott Shane
Ohio EPA-Central Office

614-8368795

Number of Pages
Including Cover Sheet: 03

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The following fax completes the multiple transmittals.
Quote Number: 034212
Project Number:
Project Name/Site: QCO011900-1SIU

Scott,

Attached is the data for the samples we spoke about earlier today. I believe there is some additional mathematical recombination needing to be performed on some of the VOC's. I will have this confirmed in the morning and notify you if any more results will be reported.

Thanks,
Jeff

Quanterra
Environmental Services

Date: 02/16/00
Time: 16:26:52
(Mountain Time)

From: Jeff Smith
Quanterra
4101 Shuffel Drive NW
North Canton, OH 44720

voice: 330-497-9396
fax: 330-497-0772

To: Scott Shane
Ohio EPA-Central Office

614-8368795

Number of Pages
Including Cover Sheet: 31

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The following fax has been segmented into multiple transmittals.
Quote Number: 034212
Project Number:
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Scott,

Attached is the data for the samples we spoke about earlier today. I believe there is some additional mathematical recombination needing to be performed on some of the VOC's. I will have this confirmed in the morning and notify you if any more results will be reported.

Thanks,
Jeff

QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Ohio EPA-Central Office
QCO011900-1SIU

Lot #: A0AZ10214 Date Reported: 2/16/00

Client Sample ID: DRUM3 (BT3)
Sample #: 001 Date Sampled: 01/19/00 Date Received: 01/19/00 Matrix: WASTE

PARAMETER		RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Inductively Coupled Plasma (ICP) Metals TCLP						In Review
Silver	TCLP	ND G	0.51	mg/L	SW846 6010B	
Silver	TCLP	ND G	1.0	mg/L	SW846 6010B	
Arsenic	TCLP	ND G	0.95	mg/L	SW846 6010B	
Arsenic	TCLP	ND G	30.0	mg/L	SW846 6010B	
Barium	TCLP	ND	10.0	mg/L	SW846 6010B	
Barium	TCLP	ND	10.0	mg/L	SW846 6010B	
Cadmium	TCLP	ND G	0.11	mg/L	SW846 6010B	
Cadmium	TCLP	ND G	1.0	mg/L	SW846 6010B	
Chromium	TCLP	ND G	0.52	mg/L	SW846 6010B	
Chromium	TCLP	4.1	2.0	mg/L	SW846 6010B	
Lead	TCLP	40.4	0.65	mg/L	SW846 6010B	
Lead	TCLP	1460	50.0	mg/L	SW846 6010B	
Selenium	TCLP	ND G	0.63	mg/L	SW846 6010B	
Selenium	TCLP	ND G	25.0	mg/L	SW846 6010B	
Silver	TCLP	ND	0.50	mg/L	SW846 6010B	
Arsenic	TCLP	ND	0.50	mg/L	SW846 6010B	
Barium	TCLP	0.029 B	10.0	mg/L	SW846 6010B	
Cadmium	TCLP	0.020 B	0.10	mg/L	SW846 6010B	
Chromium	TCLP	ND	0.50	mg/L	SW846 6010B	
Lead	TCLP	18.3	2.5	mg/L	SW846 6010B	
Selenium	TCLP	ND	0.25	mg/L	SW846 6010B	
Mercury in Solid Waste (Manual Cold-Vapor) TCLP						In Review
Mercury	TCLP	ND G	0.0024	mg/L	SW846 7471A	
Mercury	TCLP	ND G	0.033	mg/L	SW846 7471A	
Mercury	TCLP	ND	0.0020	mg/L	SW846 7471A	

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.
B Estimated result. Result is less than RL.

PCBs by SW-846 8082						Reviewed
Aroclor 1016		ND	20000	ug/kg	SW846 8082	
Aroclor 1221		ND	20000	ug/kg	SW846 8082	
Aroclor 1232		ND	20000	ug/kg	SW846 8082	
Aroclor 1242		ND	20000	ug/kg	SW846 8082	
Aroclor 1248		ND	20000	ug/kg	SW846 8082	

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Ohio EPA-Central Office

Lot #: A0A210214 QC0011900-1SIU Date Reported: 2/16/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: DRUM3 (BT3)					
Sample #: 001 Date Sampled: 01/19/00 Date Received: 01/19/00 Matrix: WASTE					
PCBs by SW-846 8082					Reviewed
Aroclor 1254	ND	20000	ug/kg	SW846 8082	
Aroclor 1260	ND	20000	ug/kg	SW846 8082	

Elevated reporting limits. The reporting limits are elevated due to matrix interference.

Volatile Organics by GC/MS TCLP					In Review
Benzene	0.30 J	1.2	mg/L	SW846 8260B	
Carbon tetrachloride	ND	1.2	mg/L	SW846 8260B	
Chlorobenzene	ND	1.2	mg/L	SW846 8260B	
Chloroform	ND	1.2	mg/L	SW846 8260B	
1,2-Dichloroethane	ND	1.2	mg/L	SW846 8260B	
1,1-Dichloroethylene	ND	1.2	mg/L	SW846 8260B	
Methyl ethyl ketone	3.1 B	2.5	mg/L	SW846 8260B	
Tetrachloroethylene	ND	1.2	mg/L	SW846 8260B	
Trichloroethylene	ND	1.2	mg/L	SW846 8260B	
Vinyl chloride	ND	2.5	mg/L	SW846 8260B	

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Semivolatile Organic Compounds by GC/MS TCLP					Reviewed
o-Cresol	ND	36	mg/L	SW846 8270C	
m-Cresol & p-Cresol	ND	41	mg/L	SW846 8270C	
1,4-Dichlorobenzene	ND	36	mg/L	SW846 8270C	
2,4-Dinitrotoluene	ND	36	mg/L	SW846 8270C	
Hexachlorobenzene	ND	36	mg/L	SW846 8270C	
Hexachlorobutadiene	ND	36	mg/L	SW846 8270C	
Hexachloroethane	ND	36	mg/L	SW846 8270C	
Nitrobenzene	ND	36	mg/L	SW846 8270C	
Pentachlorophenol	ND	71	mg/L	SW846 8270C	
Pyridine	ND	71	mg/L	SW846 8270C	
2,4,5-Trichlorophenol	ND	36	mg/L	SW846 8270C	
2,4,6-Trichlorophenol	ND	36	mg/L	SW846 8270C	

(Continued on next page)

QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Ohio EPA-Central Office
QCO011900-1SIU

Lot #: A0A210214 Date Reported: 2/16/00

Client Sample ID: DRUM3 (BT3)
Sample #: 001 Date Sampled: 01/19/00 Date Received: 01/19/00 Matrix: WASTE

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Semivolatile Organic Compounds by GC/MS TCLP					Reviewed
o-Cresol	ND	2000	mg/L	SW846 8270C	
m-Cresol & p-Cresol	ND	4000	mg/L	SW846 8270C	
1,4-Dichlorobenzene	ND	2000	mg/L	SW846 8270C	
2,4-Dinitrotoluene	ND	2000	mg/L	SW846 8270C	
Hexachlorobenzene	ND	2000	mg/L	SW846 8270C	
Hexachlorobutadiene	ND	2000	mg/L	SW846 8270C	
Hexachloroethane	ND	2000	mg/L	SW846 8270C	
Nitrobenzene	ND	2000	mg/L	SW846 8270C	
Pentachlorophenol	ND	4000	mg/L	SW846 8270C	
Pyridine	ND	4000	mg/L	SW846 8270C	
2,4,5-Trichlorophenol	ND	2000	mg/L	SW846 8270C	
2,4,6-Trichlorophenol	ND	2000	mg/L	SW846 8270C	
Semivolatile Organic Compounds by GC/MS TCLP					Reviewed
o-Cresol	ND	5.0	mg/L	SW846 8270C	
m-Cresol & p-Cresol	ND	10	mg/L	SW846 8270C	
1,4-Dichlorobenzene	ND	5.0	mg/L	SW846 8270C	
2,4-Dinitrotoluene	ND	5.0	mg/L	SW846 8270C	
Hexachlorobenzene	ND	5.0	mg/L	SW846 8270C	
Hexachlorobutadiene	ND	5.0	mg/L	SW846 8270C	
Hexachloroethane	ND	5.0	mg/L	SW846 8270C	
Nitrobenzene	ND	5.0	mg/L	SW846 8270C	
Pentachlorophenol	ND	10	mg/L	SW846 8270C	
Pyridine	ND	10	mg/L	SW846 8270C	
2,4,5-Trichlorophenol	ND	5.0	mg/L	SW846 8270C	
2,4,6-Trichlorophenol	ND	5.0	mg/L	SW846 8270C	
Inorganic Analysis					Reviewed
Cyanide, Total	ND	0.50	mg/kg	SW846 9012A	
Pensky-Martens Method for Determining Ignitability	>180		deg F	SW846 1010	
Soil and Waste pH	7.0		No Units	SW846 9045C	
Acid-insoluble Sulfide	ND	50	mg/kg	SW846 9030A	

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

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Ohio EPA-Central Office

Lot #: A0A210214 QC0011900-1SIU Date Reported: 2/16/00

Client Sample ID: DRUM10 (BT10)
Sample #: 002 Date Sampled: 01/19/00 Date Received: 01/19/00 Matrix: WASTE

PARAMETER		RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Inductively Coupled Plasma (ICP) Metals TCLP						In Review
Silver	TCLP	ND G	50.0	mg/L	SW846 6010B	
Arsenic	TCLP	ND G	50.0	mg/L	SW846 6010B	
Barium	TCLP	403 B,G	1000	mg/L	SW846 6010B	
Cadmium	TCLP	ND G	10.0	mg/L	SW846 6010B	
Chromium	TCLP	1.1 B,G	50.0	mg/L	SW846 6010B	
Lead	TCLP	7.0	1.0	mg/L	SW846 6010B	
Selenium	TCLP	ND G	25.0	mg/L	SW846 6010B	
Mercury in Solid Waste (Manual Cold-Vapor) TCLP						In Review
Mercury	TCLP	ND G	0.033	mg/L	SW846 7471A	

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.
B Estimated result. Result is less than RL.

PCBs by SW-846 8082						Reviewed
Aroclor 1016		ND	1000	ug/kg	SW846 8082	
Aroclor 1221		ND	1000	ug/kg	SW846 8082	
Aroclor 1232		ND	1000	ug/kg	SW846 8082	
Aroclor 1242		ND	1000	ug/kg	SW846 8082	
Aroclor 1248		ND	1000	ug/kg	SW846 8082	
Aroclor 1254		ND	1000	ug/kg	SW846 8082	
Aroclor 1260		ND	1000	ug/kg	SW846 8082	
Volatile Organics by GC/MS TCLP						In Review
Benzene		ND	31	mg/L	SW846 8260B	
Carbon tetrachloride		ND	31	mg/L	SW846 8260B	
Chlorobenzene		ND	31	mg/L	SW846 8260B	
Chloroform		ND	31	mg/L	SW846 8260B	
1,2-Dichloroethane		ND	31	mg/L	SW846 8260B	
1,1-Dichloroethylene		ND	31	mg/L	SW846 8260B	
Methyl ethyl ketone		9.1 J,B	62	mg/L	SW846 8260B	
Tetrachloroethylene		ND	31	mg/L	SW846 8260B	
Trichloroethylene		ND	31	mg/L	SW846 8260B	
Vinyl chloride		ND	62	mg/L	SW846 8260B	

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

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Ohio EPA-Central Office
QCO011900-13IU

Lot #: A0A210214 Date Reported: 2/16/00

Client Sample ID: DRUM10 (BT10)
Sample #: 002 Date Sampled: 01/19/00 Date Received: 01/19/00 Matrix: WASTE

Volatile Organics by GC/MS TCLP — In Review

J Estimated result. Result is less than RL.
B Method blank contamination. The associated method blank contains the target analyte at a reportable level.
Elevated reporting limits due to TICs.

Semivolatile Organic Compounds by GC/MS TCLP — Reviewed

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
o-Cresol	ND	1200	mg/L	SW846 8270C
m-Cresol & p-Cresol	ND	2500	mg/L	SW846 8270C
1,4-Dichlorobenzene	ND	1200	mg/L	SW846 8270C
2,4-Dinitrotoluene	ND	1200	mg/L	SW846 8270C
Hexachlorobenzene	ND	1200	mg/L	SW846 8270C
Hexachlorobutadiene	ND	1200	mg/L	SW846 8270C
Hexachloroethane	ND	1200	mg/L	SW846 8270C
Nitrobenzene	ND	1200	mg/L	SW846 8270C
Pentachlorophenol	ND	2500	mg/L	SW846 8270C
Pyridine	ND	2500	mg/L	SW846 8270C
2,4,5-Trichlorophenol	ND	1200	mg/L	SW846 8270C
2,4,6-Trichlorophenol	ND	1200	mg/L	SW846 8270C

Inorganic Analysis — Reviewed

Cyanide, Total	ND	0.50	mg/kg	SW846 9012A
Pensky-Martens Method for Determining Ignitability	>180		deg F	SW846 1010
Soil and Waste pH	7.0		No Units	SW846 9045C
Acid-insoluble Sulfide	ND	50	mg/kg	SW846 9030A

Client Sample ID: DRUM23 (BT23)
Sample #: 003 Date Sampled: 01/19/00 Date Received: 01/19/00 Matrix: WASTE

Inductively Coupled Plasma (ICP) Metals TCLP — In Review

Silver	TCLP	ND G	5.0	mg/L	SW846 6010B
Arsenic	TCLP	2.4 B,G	5.0	mg/L	SW846 6010B

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

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Ohio EPA-Central Office

Lot #: A0A210214 QC0011900-1SIU Date Reported: 2/16/00

PARAMETER		RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Client Sample ID: DRUM23 (BT23)					
Sample #: 003 Date Sampled: 01/19/00 Date Received: 01/19/00 Matrix: WASTE					
Barium	TCLP	ND G	100	mg/L	SW846 6010B
Cadmium	TCLP	ND G	1.0	mg/L	SW846 6010B
Chromium	TCLP	ND G	5.0	mg/L	SW846 6010B
Lead	TCLP	ND G	5.0	mg/L	SW846 6010B
Selenium	TCLP	ND G	2.5	mg/L	SW846 6010B
Mercury in Solid Waste (Manual Cold-Vapor) TCLP					In Review
Mercury	TCLP	0.0048	0.0020	mg/L	SW846 7471A

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

B Estimated result. Result is less than RL.

PCBs by SW-846 8082					Reviewed
Aroclor 1016		ND	1000	ug/kg	SW846 8082
Aroclor 1221		ND	1000	ug/kg	SW846 8082
Aroclor 1232		ND	1000	ug/kg	SW846 8082
Aroclor 1242		ND	1000	ug/kg	SW846 8082
Aroclor 1248		ND	1000	ug/kg	SW846 8082
Aroclor 1254		ND	1000	ug/kg	SW846 8082
Aroclor 1260		ND	1000	ug/kg	SW846 8082
Volatile Organics by GC/MS TCLP					In Review
Benzene		ND	0.12	mg/L	SW846 8260B
Carbon tetrachloride		ND	0.12	mg/L	SW846 8260B
Chlorobenzene		ND	0.12	mg/L	SW846 8260B
Chloroform		ND	0.12	mg/L	SW846 8260B
1,2-Dichloroethane		ND	0.12	mg/L	SW846 8260B
1,1-Dichloroethylene		ND	0.12	mg/L	SW846 8260B
Methyl ethyl ketone		1.0	0.25	mg/L	SW846 8260B
Tetrachloroethylene		ND	0.12	mg/L	SW846 8260B
Trichloroethylene		ND	0.12	mg/L	SW846 8260B
Vinyl chloride		ND	0.25	mg/L	SW846 8260B

Elevated reporting limits due to TICs.

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

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Ohio EPA-Central Office
QC0011900-1SIU

Lot #: A0A210214 Date Reported: 2/16/00

Client Sample ID: DRUM23 (BT23)
Sample #: 003 Date Sampled: 01/19/00 Date Received: 01/19/00 Matrix: WASTE

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Semivolatile Organic Compounds by GC/MS TCLP					Reviewed
o-Cresol	ND	250	mg/L	SW846 8270C	
m-Cresol & p-Cresol	ND	500	mg/L	SW846 8270C	
1,4-Dichlorobenzene	ND	250	mg/L	SW846 8270C	
2,4-Dinitrotoluene	ND	250	mg/L	SW846 8270C	
Hexachlorobenzene	ND	250	mg/L	SW846 8270C	
Hexachlorobutadiene	ND	250	mg/L	SW846 8270C	
Hexachloroethane	ND	250	mg/L	SW846 8270C	
Nitrobenzene	ND	250	mg/L	SW846 8270C	
Pentachlorophenol	ND	500	mg/L	SW846 8270C	
Pyridine	ND	500	mg/L	SW846 8270C	
2,4,5-Trichlorophenol	ND	250	mg/L	SW846 8270C	
2,4,6-Trichlorophenol	ND	250	mg/L	SW846 8270C	
Inorganic Analysis					Reviewed
Cyanide, Total	ND	0.50	mg/kg	SW846 9012A	
Pensky-Martens Method for Determining Ignitability	>180		deg F	SW846 1010	
Soil and Waste pH	7.0		No Units	SW846 9045C	
Acid-insoluble Sulfide	140	50	mg/kg	SW846 9030A	

Client Sample ID: DRUM26 (BT26)
Sample #: 004 Date Sampled: 01/19/00 Date Received: 01/19/00 Matrix: WASTE

Inductively Coupled Plasma (ICP) Metals TCLP						In Review
Silver	TCLP	ND	0.50	mg/L	SW846 6010B	
Arsenic	TCLP	ND	0.50	mg/L	SW846 6010B	
Barium	TCLP	0.024 B	10.0	mg/L	SW846 6010B	
Cadmium	TCLP	ND	0.10	mg/L	SW846 6010B	
Chromium	TCLP	0.23 B	0.50	mg/L	SW846 6010B	
Lead	TCLP	151	10.0	mg/L	SW846 6010B	
Selenium	TCLP	ND	0.25	mg/L	SW846 6010B	
Mercury in Solid Waste (Manual Cold-Vapor) TCLP						In Review
Mercury	TCLP	0.0041	0.0020	mg/L	SW846 7471A	

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

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Ohio EPA-Central Office

Lot #: A0A210214 QC0011900-1SIU Date Reported: 2/16/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: DRUM26 (BT26)					
Sample #: 004 Date Sampled: 01/19/00 Date Received: 01/19/00 Matrix: WASTE					
Semivolatile Organic Compounds by GC/MS TCLP					Reviewed
Hexachloroethane	ND	25	mg/L	SW846 8270C	
Nitrobenzene	ND	25	mg/L	SW846 8270C	
Pentachlorophenol	ND	50	mg/L	SW846 8270C	
Pyridine	ND	50	mg/L	SW846 8270C	
2,4,5-Trichlorophenol	ND	25	mg/L	SW846 8270C	
2,4,6-Trichlorophenol	ND	25	mg/L	SW846 8270C	
Inorganic Analysis					Reviewed
Cyanide, Total	ND	0.50	mg/kg	SW846 9012A	
Soil and Waste pH	7.0		No Units	SW846 9045C	
Acid-insoluble Sulfide	ND	50	mg/kg	SW846 9030A	
Client Sample ID: DRUM14 (BT14)					
Sample #: 005 Date Sampled: 01/19/00 Date Received: 01/19/00 Matrix: WASTE					
Inductively Coupled Plasma (ICP) Metals TCLP					In Review
Silver TCLP	ND	0.50	mg/L	SW846 6010B	
Arsenic TCLP	ND	0.50	mg/L	SW846 6010B	
Barium TCLP	0.0077 B	10.0	mg/L	SW846 6010B	
Cadmium TCLP	ND	0.10	mg/L	SW846 6010B	
Chromium TCLP	ND	0.50	mg/L	SW846 6010B	
Lead TCLP	13.0	2.5	mg/L	SW846 6010B	
Selenium TCLP	ND	0.25	mg/L	SW846 6010B	
Mercury in Solid Waste (Manual Cold-Vapor) TCLP					In Review
Mercury TCLP	ND	0.0020	mg/L	SW846 7471A	

B Estimated result. Result is less than RL.

Volatile Organics by GC/MS TCLP					In Review
Benzene	ND	2.5	mg/L	SW846 8260B	
Carbon tetrachloride	ND	2.5	mg/L	SW846 8260B	
Chlorobenzene	ND	2.5	mg/L	SW846 8260B	
Chloroform	ND	2.5	mg/L	SW846 8260B	

(Continued on next page)

QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Ohio EPA-Central Office
QC0011900-1SIU

Lot #: A0A210214 Date Reported: 2/16/00

Client Sample ID: DRUM26 (BT26)
Sample #: 004 Date Sampled: 01/19/00 Date Received: 01/19/00 Matrix: WASTE

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Mercury in Solid Waste (Manual Cold-Vapor) TCLP					In Review

B Estimated result. Result is less than RL.

PCBs by SW-846 8082					Reviewed
Aroclor 1016	ND	1000	ug/kg	SW846 8082	
Aroclor 1221	ND	1000	ug/kg	SW846 8082	
Aroclor 1232	ND	1000	ug/kg	SW846 8082	
Aroclor 1242	ND	1000	ug/kg	SW846 8082	
Aroclor 1248	ND	1000	ug/kg	SW846 8082	
Aroclor 1254	ND	1000	ug/kg	SW846 8082	
Aroclor 1260	ND	1000	ug/kg	SW846 8082	

Volatile Organics by GC/MS TCLP					In Review
Benzene	ND	250	mg/L	SW846 8260B	
Carbon tetrachloride	ND	250	mg/L	SW846 8260B	
Chlorobenzene	ND	250	mg/L	SW846 8260B	
Chloroform	ND	250	mg/L	SW846 8260B	
1,2-Dichloroethane	ND	250	mg/L	SW846 8260B	
1,1-Dichloroethylene	ND	250	mg/L	SW846 8260B	
Methyl ethyl ketone	950 B	500	mg/L	SW846 8260B	
Tetrachloroethylene	ND	250	mg/L	SW846 8260B	
Trichloroethylene	ND	250	mg/L	SW846 8260B	
Vinyl chloride	ND	500	mg/L	SW846 8260B	

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.
Elevated reporting limits due to ICs.

Semivolatile Organic Compounds by GC/MS TCLP					Reviewed
o-Cresol	ND	25	mg/L	SW846 8270C	
m-Cresol & p-Cresol	ND	50	mg/L	SW846 8270C	
1,4-Dichlorobenzene	ND	25	mg/L	SW846 8270C	
2,4-Dinitrotoluene	ND	25	mg/L	SW846 8270C	
Hexachlorobenzene	ND	25	mg/L	SW846 8270C	
Hexachlorobutadiene	ND	25	mg/L	SW846 8270C	

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Lot #: A0A210214 OC0011900-1SIU Date Reported: 2/16/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Client Sample ID: DRUM14 (BT14)				
Sample #: 005 Date Sampled: 01/19/00 Date Received: 01/19/00 Matrix: WASTE				
Volatile Organics by GC/MS TCLP				In Review
1,2-Dichloroethane	ND	2.5	mg/L	SW846 8260B
1,1-Dichloroethylene	ND	2.5	mg/L	SW846 8260B
Methyl ethyl ketone	11 B	5.0	mg/L	SW846 8260B
Tetrachloroethylene	ND	2.5	mg/L	SW846 8260B
Trichloroethylene	ND	2.5	mg/L	SW846 8260B
Vinyl chloride	ND	5.0	mg/L	SW846 8260B

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.
Elevated reporting limits due to TICs.

Semivolatile Organic Compounds by GC/MS TCLP				Reviewed
o-Cresol	ND	0.50	mg/L	SW846 8270C
m-Cresol & p-Cresol	ND	1.0	mg/L	SW846 8270C
1,4-Dichlorobenzene	ND	0.50	mg/L	SW846 8270C
2,4-Dinitrotoluene	ND	0.50	mg/L	SW846 8270C
Hexachlorobenzene	ND	0.50	mg/L	SW846 8270C
Hexachlorobutadiene	ND	0.50	mg/L	SW846 8270C
Hexachloroethane	ND	0.50	mg/L	SW846 8270C
Nitrobenzene	ND	0.50	mg/L	SW846 8270C
Pentachlorophenol	ND	1.0	mg/L	SW846 8270C
Pyridine	ND	1.0	mg/L	SW846 8270C
2,4,5-Trichlorophenol	ND	0.50	mg/L	SW846 8270C
2,4,6-Trichlorophenol	ND	0.50	mg/L	SW846 8270C

Client Sample ID: DRUM15 (BT15)					
Sample #: 006 Date Sampled: 01/19/00 Date Received: 01/19/00 Matrix: WASTE					
Inductively Coupled Plasma (ICP) Metals TCLP					In Review
Silver	TCLP	ND	0.50	mg/L	SW846 6010B
Arsenic	TCLP	ND	0.50	mg/L	SW846 6010B
Barium	TCLP	0.11 B	10.0	mg/L	SW846 6010B
Cadmium	TCLP	ND	0.10	mg/L	SW846 6010B

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Ohio EPA-Central Office

Lot #: A0A210214 QC0011900-1SIU Date Reported: 2/16/00

PARAMETER		RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: DRUM15 (BT15)						
Sample #: 006 Date Sampled: 01/19/00 Date Received: 01/19/00 Matrix: WASTE						
Chromium	TCLP	ND	0.50	mg/L	SW846 6010B	
Lead	TCLP	ND	0.50	mg/L	SW846 6010B	
Selenium	TCLP	ND	0.25	mg/L	SW846 6010B	
Mercury in Solid Waste (Manual Cold-Vapor) TCLP						In Review
Mercury	TCLP	ND	0.0020	mg/L	SW846 7471A	

B Estimated result. Result is less than RL.

PCBs by SW-846 8082						Reviewed
Aroclor 1016		ND	1000	ug/kg	SW846 8082	
Aroclor 1221		ND	1000	ug/kg	SW846 8082	
Aroclor 1232		ND	1000	ug/kg	SW846 8082	
Aroclor 1242		ND	1000	ug/kg	SW846 8082	
Aroclor 1248		ND	1000	ug/kg	SW846 8082	
Aroclor 1254		ND	1000	ug/kg	SW846 8082	
Aroclor 1260		ND	1000	ug/kg	SW846 8082	
Volatile Organics by GC/MS TCLP						In Review
Benzene		ND	1.2	mg/L	SW846 8260B	
Carbon tetrachloride		ND	1.2	mg/L	SW846 8260B	
Chlorobenzene		ND	1.2	mg/L	SW846 8260B	
Chloroform		ND	1.2	mg/L	SW846 8260B	
1,2-Dichloroethane		ND	1.2	mg/L	SW846 8260B	
1,1-Dichloroethylene		ND	1.2	mg/L	SW846 8260B	
Methyl ethyl ketone		2.8 B	2.5	mg/L	SW846 8260B	
Tetrachloroethylene		ND	1.2	mg/L	SW846 8260B	
Trichloroethylene		ND	1.2	mg/L	SW846 8260B	
Vinyl chloride		ND	2.5	mg/L	SW846 8260B	

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.
Elevated reporting limits due to TICs.

Semivolatile Organic Compounds by GC/MS TCLP						Reviewed
o-Cresol		ND	10	mg/L	SW846 8270C	

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Lot #: A0A210214 QC0011900-1SIU Date Reported: 2/16/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: DRUM15 (BT15)					
Sample #: 006 Date Sampled: 01/19/00 Date Received: 01/19/00 Matrix: WASTE					
Semivolatile Organic Compounds by GC/MS TCLP					Reviewed
m-Cresol & p-Cresol	ND	20	mg/L	SW846 8270C	
1,4-Dichlorobenzene	ND	10	mg/L	SW846 8270C	
2,4-Dinitrotoluene	ND	10	mg/L	SW846 8270C	
Hexachlorobenzene	ND	10	mg/L	SW846 8270C	
Hexachlorobutadiene	ND	10	mg/L	SW846 8270C	
Hexachloroethane	ND	10	mg/L	SW846 8270C	
Nitrobenzene	ND	10	mg/L	SW846 8270C	
Pentachlorophenol	ND	20	mg/L	SW846 8270C	
Pyridine	ND	20	mg/L	SW846 8270C	
2,4,5-Trichlorophenol	ND	10	mg/L	SW846 8270C	
2,4,6-Trichlorophenol	ND	10	mg/L	SW846 8270C	
Inorganic Analysis					Reviewed
Cyanide, Total	ND	0.50	mg/kg	SW846 9012A	
Pensky-Martens Method for Determining Ignitability	>180		deg F	SW846 1010	
Soil and Waste pH	8.0		No Units	SW846 9045C	
Acid-insoluble Sulfide	64	50	mg/kg	SW846 9030A	
Client Sample ID: DRUM17 (BT17)					
Sample #: 007 Date Sampled: 01/19/00 Date Received: 01/19/00 Matrix: WASTE					
Inductively Coupled Plasma (ICP) Metals TCLP					In Review
Silver TCLP	ND G	50.0	mg/L	SW846 6010B	
Arsenic TCLP	ND G	50.0	mg/L	SW846 6010B	
Barium TCLP	0.64 B,G	1000	mg/L	SW846 6010B	
Cadmium TCLP	ND G	10.0	mg/L	SW846 6010B	
Chromium TCLP	ND G	50.0	mg/L	SW846 6010B	
Lead TCLP	3.6 B,G	50.0	mg/L	SW846 6010B	
Selenium TCLP	ND G	25.0	mg/L	SW846 6010B	
Mercury in Solid Waste (Manual Cold-Vapor) TCLP					In Review
Mercury TCLP	ND G	0.033	mg/L	SW846 7471A	

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Ohio EPA-Central Office
QCO011900-1SIU

Lot #: A0A210214 Date Reported: 2/16/00

Client Sample ID: DRUM17 (BT17)
Sample #: 007 Date Sampled: 01/19/00 Date Received: 01/19/00 Matrix: WASTE

Mercury in Solid Waste (Manual Cold-Vapor) TCLP — In Review

B Estimated result. Result is less than RL.

PCBs by SW-846 8082 — Reviewed

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Aroclor 1016	ND	** 100000	ug/kg	SW846 8082
Aroclor 1221	ND	** 100000	ug/kg	SW846 8082
Aroclor 1232	ND	** 100000	ug/kg	SW846 8082
Aroclor 1242	ND	** 100000	ug/kg	SW846 8082
Aroclor 1248	ND	** 100000	ug/kg	SW846 8082
Aroclor 1254	ND	** 100000	ug/kg	SW846 8082
Aroclor 1260	ND	** 100000	ug/kg	SW846 8082

Elevated reporting limits. The reporting limits are elevated due to matrix interference.
Results or reporting limits flagged with a ** have not been corrected for dry weight.

Volatile Organics by GC/MS TCLP — In Review

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Benzene	ND	1.2	mg/L	SW846 8260B
Carbon tetrachloride	ND	1.2	mg/L	SW846 8260B
Chlorobenzene	0.25 J	1.2	mg/L	SW846 8260B
Chloroform	ND	1.2	mg/L	SW846 8260B
1,2-Dichloroethane	ND	1.2	mg/L	SW846 8260B
1,1-Dichloroethylene	ND	1.2	mg/L	SW846 8260B
Methyl ethyl ketone	2.5 B	2.5	mg/L	SW846 8260B
Tetrachloroethylene	ND	1.2	mg/L	SW846 8260B
Trichloroethylene	ND	1.2	mg/L	SW846 8260B
Vinyl chloride	ND	2.5	mg/L	SW846 8260B

J Estimated result. Result is less than RL.
B Method blank contamination. The associated method blank contains the target analyte at a reportable level.
Elevated reporting limits due to TICs.

Semivolatile Organic Compounds by GC/MS TCLP — Reviewed

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
o-Cresol	ND	1200	mg/L	SW846 8270C
m-Cresol & p-Cresol	ND	2500	mg/L	SW846 8270C

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Lot #: A0A210214 QC0011900-1SIU Date Reported: 2/16/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: DRUM17 (BT17)					
Sample #: 007 Date Sampled: 01/19/00 Date Received: 01/19/00 Matrix: WASTE					
Semivolatile Organic Compounds by GC/MS TCLP					Reviewed
1,4-Dichlorobenzene	ND	1200	mg/L	SW846 8270C	
2,4-Dinitrotoluene	ND	1200	mg/L	SW846 8270C	
Hexachlorobenzene	ND	1200	mg/L	SW846 8270C	
Hexachlorobutadiene	ND	1200	mg/L	SW846 8270C	
Hexachloroethane	ND	1200	mg/L	SW846 8270C	
Nitrobenzene	ND	1200	mg/L	SW846 8270C	
Pentachlorophenol	ND	2500	mg/L	SW846 8270C	
Pyridine	ND	2500	mg/L	SW846 8270C	
2,4,5-Trichlorophenol	ND	1200	mg/L	SW846 8270C	
2,4,6-Trichlorophenol	ND	1200	mg/L	SW846 8270C	
Inorganic Analysis					Reviewed
Cyanide, Total	ND	0.50	mg/kg	SW846 9012A	
Pensky-Martens Method for Determining Ignitability	>180		deg F	SW846 1010	
Soil and Waste pH	7.0		No Units	SW846 9045C	
Acid-insoluble Sulfide	ND	50	mg/kg	SW846 9030A	
Client Sample ID: DRUM18 (BT18)					
Sample #: 008 Date Sampled: 01/19/00 Date Received: 01/19/00 Matrix: WASTE					
Inductively Coupled Plasma (ICP) Metals TCLP					In Review
Silver TCLP	ND	0.50	mg/L	SW846 6010B	
Arsenic TCLP	ND	0.50	mg/L	SW846 6010B	
Barium TCLP	0.0079 B	10.0	mg/L	SW846 6010B	
Cadmium TCLP	ND	0.10	mg/L	SW846 6010B	
Chromium TCLP	ND	0.50	mg/L	SW846 6010B	
Lead TCLP	25.7	2.5	mg/L	SW846 6010B	
Selenium TCLP	ND	0.25	mg/L	SW846 6010B	
Mercury in Solid Waste (Manual Cold-Vapor) TCLP					In Review
Mercury TCLP	0.00024 B	0.0020	mg/L	SW846 7471A	

B Estimated result. Result is less than RL.

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Ohio EPA-Central Office
QC0011900-1SIU

Lot #: A0A210214 Date Reported: 2/16/00

Client Sample ID: DRUM18 (BT18)
Sample #: 008 Date Sampled: 01/19/00 Date Received: 01/19/00 Matrix: WASTE

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
PCBs by SW-846 8082					Reviewed
Aroclor 1016	ND	1000	ug/kg	SW846 8082	
Aroclor 1221	ND	1000	ug/kg	SW846 8082	
Aroclor 1232	ND	1000	ug/kg	SW846 8082	
Aroclor 1242	ND	1000	ug/kg	SW846 8082	
Aroclor 1248	ND	1000	ug/kg	SW846 8082	
Aroclor 1254	ND	1000	ug/kg	SW846 8082	
Aroclor 1260	ND	1000	ug/kg	SW846 8082	
Volatile Organics by GC/MS TCLP					In Review
Benzene	ND	6.2	mg/L	SW846 8260B	
Carbon tetrachloride	ND	6.2	mg/L	SW846 8260B	
Chlorobenzene	ND	6.2	mg/L	SW846 8260B	
Chloroform	ND	6.2	mg/L	SW846 8260B	
1,2-Dichloroethane	ND	6.2	mg/L	SW846 8260B	
1,1-Dichloroethylene	ND	6.2	mg/L	SW846 8260B	
Methyl ethyl ketone	28 B	12	mg/L	SW846 8260B	
Tetrachloroethylene	ND	6.2	mg/L	SW846 8260B	
Trichloroethylene	ND	6.2	mg/L	SW846 8260B	
Vinyl chloride	ND	12	mg/L	SW846 8260B	

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.
Elevated reporting limits due to TICs.

Semivolatile Organic Compounds by GC/MS TCLP					Reviewed
o-Cresol	ND	2.5	mg/L	SW846 8270C	
m-Cresol & p-Cresol	ND	5.0	mg/L	SW846 8270C	
1,4-Dichlorobenzene	ND	2.5	mg/L	SW846 8270C	
2,4-Dinitrotoluene	ND	2.5	mg/L	SW846 8270C	
Hexachlorobenzene	ND	2.5	mg/L	SW846 8270C	
Hexachlorobutadiene	ND	2.5	mg/L	SW846 8270C	
Hexachloroethane	ND	2.5	mg/L	SW846 8270C	
Nitrobenzene	ND	2.5	mg/L	SW846 8270C	
Pentachlorophenol	ND	5.0	mg/L	SW846 8270C	
Pyridine	ND	5.0	mg/L	SW846 8270C	

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

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Ohio EPA-Central Office
QC0011900-1SIU

Lot #: A0A210214 Date Reported: 2/16/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: DRUM18 (BT18)					
Sample #: 008 Date Sampled: 01/19/00 Date Received: 01/19/00 Matrix: WASTE					
Semivolatile Organic Compounds by GC/MS TCLP					Reviewed
2,4,5-Trichlorophenol	ND	2.5	mg/L	SW846 8270C	
2,4,6-Trichlorophenol	ND	2.5	mg/L	SW846 8270C	
Inorganic Analysis					Reviewed
Cyanide, Total	ND	0.50	mg/kg	SW846 9012A	
Pensky-Martens Method for Determining Ignitability	74		deg F	SW846 1010	
Soil and Waste pH	7.0		No Units	SW846 9045C	
Acid-insoluble Sulfide	72	50	mg/kg	SW846 9030A	
Client Sample ID: DRUM20 (BT20) TOP LAYER					
Sample #: 009 Date Sampled: 01/19/00 Date Received: 01/19/00 Matrix: WASTE					
Inductively Coupled Plasma (ICP) Metals TCLP					In Review
Silver TCLP	ND G	0.58	mg/L	SW846 6010B	
Silver TCLP	ND G	1.0	mg/L	SW846 6010B	
Arsenic TCLP	ND G	5.4	mg/L	SW846 6010B	
Arsenic TCLP	ND G	30.0	mg/L	SW846 6010B	
Barium TCLP	ND	10.0	mg/L	SW846 6010B	
Barium TCLP	ND	10.0	mg/L	SW846 6010B	
Cadmium TCLP	ND G	0.25	mg/L	SW846 6010B	
Cadmium TCLP	ND G	1.0	mg/L	SW846 6010B	
Chromium TCLP	ND G	0.75	mg/L	SW846 6010B	
Chromium TCLP	3.0	2.0	mg/L	SW846 6010B	
Lead TCLP	ND G	2.1	mg/L	SW846 6010B	
Lead TCLP	ND G	10.0	mg/L	SW846 6010B	
Selenium TCLP	ND G	4.3	mg/L	SW846 6010B	
Selenium TCLP	ND G	25.0	mg/L	SW846 6010B	
Silver TCLP	ND	0.50	mg/L	SW846 6010B	
Arsenic TCLP	ND	0.50	mg/L	SW846 6010B	
Barium TCLP	0.030 B	10.0	mg/L	SW846 6010B	
Cadmium TCLP	ND	0.10	mg/L	SW846 6010B	
Chromium TCLP	0.012 B	0.50	mg/L	SW846 6010B	

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Ohio EPA-Central Office
QCO011900-1SIU

Lot #: A0A210214 Date Reported: 2/16/00

Client Sample ID: DRUM20 (BT20) TOP LAYER
Sample #: 009 Date Sampled: 01/19/00 Date Received: 01/19/00 Matrix: WASTE

PARAMETER		RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Lead	TCLP	0.31 B	0.50	mg/L	SW846 6010B	
Selenium	TCLP	ND	0.25	mg/L	SW846 6010B	
Mercury in Solid Waste (Manual Cold-Vapor) TCLP						In Review
Mercury	TCLP	ND G	0.0066	mg/L	SW846 7471A	
Mercury	TCLP	ND G	0.033	mg/L	SW846 7471A	
Mercury	TCLP	0.0018 B	0.0020	mg/L	SW846 7471A	

G Elevated reporting limit. The reporting limit is elevated due to matrix interferences.
B Estimated result. Result is less than RL.

PCBs by SW-846 8082					Reviewed
Aroclor 1016	ND	1000	ug/kg	SW846 8082	
Aroclor 1221	ND	1000	ug/kg	SW846 8082	
Aroclor 1232	ND	1000	ug/kg	SW846 8082	
Aroclor 1242	ND	1000	ug/kg	SW846 8082	
Aroclor 1248	ND	1000	ug/kg	SW846 8082	
Aroclor 1254	ND	1000	ug/kg	SW846 8082	
Aroclor 1260	ND	1000	ug/kg	SW846 8082	

Volatile Organics by GC/MS TCLP					In Review
Benzene	ND	1.2	mg/L	SW846 8260B	
Carbon tetrachloride	ND	1.2	mg/L	SW846 8260B	
Chlorobenzene	ND	1.2	mg/L	SW846 8260B	
Chloroform	ND	1.2	mg/L	SW846 8260B	
1,2-Dichloroethane	ND	1.2	mg/L	SW846 8260B	
1,1-Dichloroethylene	ND	1.2	mg/L	SW846 8260B	
Methyl ethyl ketone	3.1 B	2.5	mg/L	SW846 8260B	
Tetrachloroethylene	ND	1.2	mg/L	SW846 8260B	
Trichloroethylene	ND	1.2	mg/L	SW846 8260B	
Vinyl chloride	ND	2.5	mg/L	SW846 8260B	

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Lot #: A0A210214 QC0011900-1SIU Date Reported: 2/16/00

Client Sample ID: DRUM20 (BT20) TOP LAYER
Sample #: 009 Date Sampled: 01/19/00 Date Received: 01/19/00 Matrix: WASTE

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Semivolatile Organic Compounds by GC/MS TCLP					Reviewed
o-Cresol	ND	170	mg/L	SW846 8270C	
m-Cresol & p-Cresol	ND	170	mg/L	SW846 8270C	
1,4-Dichlorobenzene	ND	170	mg/L	SW846 8270C	
2,4-Dinitrotoluene	ND	170	mg/L	SW846 8270C	
Hexachlorobenzene	ND	170	mg/L	SW846 8270C	
Hexachlorobutadiene	ND	170	mg/L	SW846 8270C	
Hexachloroethane	ND	170	mg/L	SW846 8270C	
Nitrobenzene	ND	170	mg/L	SW846 8270C	
Pentachlorophenol	ND	330	mg/L	SW846 8270C	
Pyridine	ND	330	mg/L	SW846 8270C	
2,4,5-Trichlorophenol	ND	170	mg/L	SW846 8270C	
2,4,6-Trichlorophenol	ND	170	mg/L	SW846 8270C	
Semivolatile Organic Compounds by GC/MS TCLP					Reviewed
o-Cresol	ND	1000	mg/L	SW846 8270C	
m-Cresol & p-Cresol	ND	2000	mg/L	SW846 8270C	
1,4-Dichlorobenzene	ND	1000	mg/L	SW846 8270C	
2,4-Dinitrotoluene	ND	1000	mg/L	SW846 8270C	
Hexachlorobenzene	ND	1000	mg/L	SW846 8270C	
Hexachlorobutadiene	ND	1000	mg/L	SW846 8270C	
Hexachloroethane	ND	1000	mg/L	SW846 8270C	
Nitrobenzene	ND	1000	mg/L	SW846 8270C	
Pentachlorophenol	ND	2000	mg/L	SW846 8270C	
Pyridine	ND	2000	mg/L	SW846 8270C	
2,4,5-Trichlorophenol	ND	1000	mg/L	SW846 8270C	
2,4,6-Trichlorophenol	ND	1000	mg/L	SW846 8270C	
Semivolatile Organic Compounds by GC/MS TCLP					Reviewed
o-Cresol	ND	2.5	mg/L	SW846 8270C	
m-Cresol & p-Cresol	ND	5.0	mg/L	SW846 8270C	
1,4-Dichlorobenzene	ND	2.5	mg/L	SW846 8270C	
2,4-Dinitrotoluene	ND	2.5	mg/L	SW846 8270C	
Hexachlorobenzene	ND	2.5	mg/L	SW846 8270C	
Hexachlorobutadiene	ND	2.5	mg/L	SW846 8270C	

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Ohio EPA-Central Office
QCO011900-1SIU

Lot #: A0A210214 Date Reported: 2/16/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: DRUM20 (BT20) TOP LAYER					
Sample #: 009 Date Sampled: 01/19/00 Date Received: 01/19/00 Matrix: WASTE					
Semivolatile Organic Compounds by GC/MS TCLP					Reviewed
Hexachloroethane	ND	2.5	mg/L	SW846 8270C	
Nitrobenzene	ND	2.5	mg/L	SW846 8270C	
Pentachlorophenol	ND	5.0	mg/L	SW846 8270C	
Pyridine	ND	5.0	mg/L	SW846 8270C	
2,4,5-Trichlorophenol	ND	2.5	mg/L	SW846 8270C	
2,4,6-Trichlorophenol	ND	2.5	mg/L	SW846 8270C	
Inorganic Analysis					Reviewed
Soil and Waste pH	8.0		No Units	SW846 9045C	
Acid-insoluble Sulfide	ND	50	mg/kg	SW846 9030A	
Client Sample ID: DRUM20 (BT20) BOTTOM LAYER					
Sample #: 010 Date Sampled: 01/19/00 Date Received: 01/19/00 Matrix: WASTE					
Inductively Coupled Plasma (ICP) Metals TCLP					In Review
Silver TCLP	ND G	5.0	mg/L	SW846 6010B	
Arsenic TCLP	ND G	5.0	mg/L	SW846 6010B	
Barium TCLP	0.065 B,G	100	mg/L	SW846 6010B	
Cadmium TCLP	ND G	1.0	mg/L	SW846 6010B	
Chromium TCLP	0.13 B,G	5.0	mg/L	SW846 6010B	
Lead TCLP	0.080 B,G	5.0	mg/L	SW846 6010B	
Selenium TCLP	ND G	2.5	mg/L	SW846 6010B	
Mercury in Solid Waste (Manual Cold-Vapor) TCLP					In Review
Mercury TCLP	0.00020 B	0.0020	mg/L	SW846 7471A	

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

B Estimated result. Result is less than RL.

PCBs by SW-846 8082					Reviewed
Aroclor 1016	ND	1000	ug/kg	SW846 8082	
Aroclor 1221	ND	1000	ug/kg	SW846 8082	
Aroclor 1232	ND	1000	ug/kg	SW846 8082	
Aroclor 1242	ND	1000	ug/kg	SW846 8082	

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Lot #: A0A210214 QC0011900-1SIU Date Reported: 2/16/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: DRUM20 (BT20) BOTTOM LAYER					
Sample #: 010 Date Sampled: 01/19/00 Date Received: 01/19/00 Matrix: WASTE					
PCBs by SW-846 8082					Reviewed
Aroclor 1248	ND	1000	ug/kg	SW846 8082	
Aroclor 1254	ND	1000	ug/kg	SW846 8082	
Aroclor 1260	ND	1000	ug/kg	SW846 8082	
Volatile Organics by GC/MS TCLP					In Review
Benzene	ND	0.025	mg/L	SW846 8260B	
Carbon tetrachloride	ND	0.025	mg/L	SW846 8260B	
Chlorobenzene	ND	0.025	mg/L	SW846 8260B	
Chloroform	ND	0.025	mg/L	SW846 8260B	
1,2-Dichloroethane	ND	0.025	mg/L	SW846 8260B	
1,1-Dichloroethylene	ND	0.025	mg/L	SW846 8260B	
Methyl ethyl ketone	0.062 B	0.050	mg/L	SW846 8260B	
Tetrachloroethylene	ND	0.025	mg/L	SW846 8260B	
Trichloroethylene	ND	0.025	mg/L	SW846 8260B	
Vinyl chloride	ND	0.050	mg/L	SW846 8260B	

B Method blank contamination. The reagent/method blank contains the target analyte at a reportable level.

Semivolatile Organic Compounds by GC/MS TCLP					Reviewed
o-Cresol	ND	100	mg/L	SW846 8270C	
m-Cresol & p-Cresol	ND	200	mg/L	SW846 8270C	
1,4-Dichlorobenzene	ND	100	mg/L	SW846 8270C	
2,4-Dinitrotoluene	ND	100	mg/L	SW846 8270C	
Hexachlorobenzene	ND	100	mg/L	SW846 8270C	
Hexachlorobutadiene	ND	100	mg/L	SW846 8270C	
Hexachloroethane	ND	100	mg/L	SW846 8270C	
Nitrobenzene	ND	100	mg/L	SW846 8270C	
Pentachlorophenol	ND	200	mg/L	SW846 8270C	
Pyridine	ND	200	mg/L	SW846 8270C	
2,4,5-Trichlorophenol	ND	100	mg/L	SW846 8270C	
2,4,6-Trichlorophenol	ND	100	mg/L	SW846 8270C	
Inorganic Analysis					Reviewed
Cyanide, Total	0.69	0.50	mg/kg	SW846 9012A	

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Lot #: A0A210214 QCO011900-1SIU Date Reported: 2/16/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: DRUM20 (BT20) BOTTOM LAYER					
Sample #: 010 Date Sampled: 01/19/00 Date Received: 01/19/00 Matrix: WASTE					
Pensky-Martens Method for Determining Ignitability					Reviewed
Pensky-Martens Method for Determining Ignitability	>180		deg F	SW846 1010	
Soil and Waste pH	8.0		No Units	SW846 9045C	
Acid-insoluble Sulfide	310	50	mg/kg	SW846 9030A	
Client Sample ID: DRUM5 (BT5)					
Sample #: 011 Date Sampled: 01/19/00 Date Received: 01/19/00 Matrix: WASTE					
Inductively Coupled Plasma (ICP) Metals TCLP					In Review
Silver TCLP	ND G	0.58	mg/L	SW846 6010B	
Silver TCLP	ND G	1.0	mg/L	SW846 6010B	
Arsenic TCLP	ND G	5.1	mg/L	SW846 6010B	
Arsenic TCLP	ND G	30.0	mg/L	SW846 6010B	
Barium TCLP	ND	10.0	mg/L	SW846 6010B	
Barium TCLP	ND	10.0	mg/L	SW846 6010B	
Cadmium TCLP	ND G	0.24	mg/L	SW846 6010B	
Cadmium TCLP	ND G	1.0	mg/L	SW846 6010B	
Chromium TCLP	ND G	0.74	mg/L	SW846 6010B	
Chromium TCLP	ND G	2.0	mg/L	SW846 6010B	
Lead TCLP	ND G	2.0	mg/L	SW846 6010B	
Lead TCLP	ND G	10.0	mg/L	SW846 6010B	
Selenium TCLP	ND G	4.1	mg/L	SW846 6010B	
Selenium TCLP	ND G	25.0	mg/L	SW846 6010B	
Silver TCLP	ND	0.50	mg/L	SW846 6010B	
Arsenic TCLP	ND	0.50	mg/L	SW846 6010B	
Barium TCLP	0.088 B	10.0	mg/L	SW846 6010B	
Cadmium TCLP	ND	0.10	mg/L	SW846 6010B	
Chromium TCLP	ND	0.50	mg/L	SW846 6010B	
Lead TCLP	ND	0.50	mg/L	SW846 6010B	
Selenium TCLP	ND	0.25	mg/L	SW846 6010B	
Mercury in Solid Waste (Manual Cold-Vapor) TCLP					In Review
Mercury TCLP	ND G	0.0064	mg/L	SW846 7471A	
Mercury TCLP	ND G	0.033	mg/L	SW846 7471A	

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

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Ohio EPA-Central Office

Lot #: A0A210214 QC0011900-1SIU Date Reported: 2/16/00

Client Sample ID: DRUM5 (BT5)
Sample #: 011 Date Sampled: 01/19/00 Date Received: 01/19/00 Matrix: WASTE

PARAMETER		RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Mercury	TCLP	0.00010 B	0.0020	mg/L	SW846 7471A

E Elevated reporting limit. The reporting limit is elevated due to matrix interference.
B Estimated result. Result is less than RL.

PCBs by SW-846 8082					Reviewed
Aroclor 1016	ND	1000	ug/kg	SW846 8082	
Aroclor 1221	ND	1000	ug/kg	SW846 8082	
Aroclor 1232	ND	1000	ug/kg	SW846 8082	
Aroclor 1242	ND	1000	ug/kg	SW846 8082	
Aroclor 1248	ND	1000	ug/kg	SW846 8082	
Aroclor 1254	ND	1000	ug/kg	SW846 8082	
Aroclor 1260	ND	1000	ug/kg	SW846 8082	

Volatile Organics by GC/MS TCLP					In Review
Benzene	ND	0.025	mg/L	SW846 8260B	
Carbon tetrachloride	ND	0.025	mg/L	SW846 8260B	
Chlorobenzene	ND	0.025	mg/L	SW846 8260B	
Chloroform	ND	0.025	mg/L	SW846 8260B	
1,2-Dichloroethane	ND	0.025	mg/L	SW846 8260B	
1,1-Dichloroethylene	ND	0.025	mg/L	SW846 8260B	
Methyl ethyl ketone	ND	0.050	mg/L	SW846 8260B	
Tetrachloroethylene	ND	0.025	mg/L	SW846 8260B	
Trichloroethylene	ND	0.025	mg/L	SW846 8260B	
Vinyl chloride	ND	0.050	mg/L	SW846 8260B	

Semivolatile Organic Compounds by GC/MS TCLP					Reviewed
o-Cresol	ND	63	mg/L	SW846 8270C	
m-Cresol & p-Cresol	ND	64	mg/L	SW846 8270C	
1,4-Dichlorobenzene	ND	63	mg/L	SW846 8270C	
2,4-Dinitrotoluene	ND	63	mg/L	SW846 8270C	
Hexachlorobenzene	ND	63	mg/L	SW846 8270C	
Hexachlorobutadiene	ND	63	mg/L	SW846 8270C	
Hexachloroethane	ND	63	mg/L	SW846 8270C	
Nitrobenzene	ND	63	mg/L	SW846 8270C	

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

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Ohio EPA-Central Office
QC0011900-1SIU

Lot #: A0A210214 Date Reported: 2/16/00

Client Sample ID: DRUM5 (BT5)
Sample #: 011 Date Sampled: 01/19/00 Date Received: 01/19/00 Matrix: WASTE

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Semivolatile Organic Compounds by GC/MS TCLP					Reviewed
Pentachlorophenol	ND	130	mg/L	SW846 8270C	
Pyridine	ND	130	mg/L	SW846 8270C	
2,4,5-Trichlorophenol	ND	63	mg/L	SW846 8270C	
2,4,6-Trichlorophenol	ND	63	mg/L	SW846 8270C	
Semivolatile Organic Compounds by GC/MS TCLP					Reviewed
o-Cresol	ND	400	mg/L	SW846 8270C	
m-Cresol & p-Cresol	ND	800	mg/L	SW846 8270C	
1,4-Dichlorobenzene	ND	400	mg/L	SW846 8270C	
2,4-Dinitrotoluene	ND	400	mg/L	SW846 8270C	
Hexachlorobenzene	ND	400	mg/L	SW846 8270C	
Hexachlorobutadiene	ND	400	mg/L	SW846 8270C	
Hexachloroethane	ND	400	mg/L	SW846 8270C	
Nitrobenzene	ND	400	mg/L	SW846 8270C	
Pentachlorophenol	ND	800	mg/L	SW846 8270C	
Pyridine	ND	800	mg/L	SW846 8270C	
2,4,5-Trichlorophenol	ND	400	mg/L	SW846 8270C	
2,4,6-Trichlorophenol	ND	400	mg/L	SW846 8270C	
Semivolatile Organic Compounds by GC/MS TCLP					Reviewed
o-Cresol	ND	0.50	mg/L	SW846 8270C	
m-Cresol & p-Cresol	ND	1.0	mg/L	SW846 8270C	
1,4-Dichlorobenzene	ND	0.50	mg/L	SW846 8270C	
2,4-Dinitrotoluene	ND	0.50	mg/L	SW846 8270C	
Hexachlorobenzene	ND	0.50	mg/L	SW846 8270C	
Hexachlorobutadiene	ND	0.50	mg/L	SW846 8270C	
Hexachloroethane	ND	0.50	mg/L	SW846 8270C	
Nitrobenzene	ND	0.50	mg/L	SW846 8270C	
Pentachlorophenol	ND	1.0	mg/L	SW846 8270C	
Pyridine	ND	1.0	mg/L	SW846 8270C	
2,4,5-Trichlorophenol	ND	0.50	mg/L	SW846 8270C	
2,4,6-Trichlorophenol	ND	0.50	mg/L	SW846 8270C	

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

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Lot #: A0A210214 QC0011900-1SIU Date Reported: 2/16/00

Client Sample ID: DRUM5 (BT5)
Sample #: 011 Date Sampled: 01/19/00 Date Received: 01/19/00 Matrix: WASTE

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Inorganic Analysis					Reviewed
Cyanide, Total	ND	0.50	mg/kg	SW846 9012A	
Pensky-Martens Method for Determining Ignitability	>180		deg F	SW846 1010	
Soil and Waste pH	6.0		No Units	SW846 9045C	
Acid-insoluble Sulfide	ND	50	mg/kg	SW846 9030A	

Client Sample ID: DRUM33 (BT33)
Sample #: 012 Date Sampled: 01/19/00 Date Received: 01/19/00 Matrix: WASTE

Inductively Coupled Plasma (ICP) Metals TCLP						In Review
Silver	TCLP	ND	0.50	mg/L	SW846 6010B	
Arsenic	TCLP	ND	0.50	mg/L	SW846 6010B	
Barium	TCLP	0.016 B	10.0	mg/L	SW846 6010B	
Cadmium	TCLP	0.012 B	0.10	mg/L	SW846 6010B	
Chromium	TCLP	ND	0.50	mg/L	SW846 6010B	
Lead	TCLP	0.095 B	0.50	mg/L	SW846 6010B	
Selenium	TCLP	ND	0.25	mg/L	SW846 6010B	
Mercury in Solid Waste (Manual Cold-Vapor) TCLP						In Review
Mercury	TCLP	0.022	0.0020	mg/L	SW846 7471A	

B Estimated result. Result is less than RL.

PCBs by SW-846 8082					Reviewed
Aroclor 1016	ND	1000	ug/kg	SW846 8082	
Aroclor 1221	ND	1000	ug/kg	SW846 8082	
Aroclor 1232	ND	1000	ug/kg	SW846 8082	
Aroclor 1242	ND	1000	ug/kg	SW846 8082	
Aroclor 1248	ND	1000	ug/kg	SW846 8082	
Aroclor 1254	ND	1000	ug/kg	SW846 8082	
Aroclor 1260	ND	1000	ug/kg	SW846 8082	

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

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Ohio EPA-Central Office
QC0011900-1SIU

Lot #: A0A210214 Date Reported: 2/16/00

Client Sample ID: DRUM33 (BT33)
Sample #: 012 Date Sampled: 01/19/00 Date Received: 01/19/00 Matrix: WASTE

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Volatile Organics by GC/MS TCLP					In Review
Benzene	ND	830	mg/L	SW846 8260B	
Carbon tetrachloride	ND	830	mg/L	SW846 8260B	
Chlorobenzene	ND	830	mg/L	SW846 8260B	
Chloroform	ND	830	mg/L	SW846 8260B	
1,2-Dichloroethane	ND	830	mg/L	SW846 8260B	
1,1-Dichloroethylene	ND	830	mg/L	SW846 8260B	
Methyl ethyl ketone	ND	1700	mg/L	SW846 8260B	
Tetrachloroethylene	ND	830	mg/L	SW846 8260B	
Trichloroethylene	ND	830	mg/L	SW846 8260B	
Vinyl chloride	ND	1700	mg/L	SW846 8260B	

Elevated reporting limits due to TICs.

Semivolatile Organic Compounds by GC/MS TCLP					Reviewed
o-Cresol	0.45 J	2.5	mg/L	SW846 8270C	
m-Cresol & p-Cresol	ND	5.0	mg/L	SW846 8270C	
1,4-Dichlorobenzene	ND	2.5	mg/L	SW846 8270C	
2,4-Dinitrotoluene	ND	2.5	mg/L	SW846 8270C	
Hexachlorobenzene	ND	2.5	mg/L	SW846 8270C	
Hexachlorobutadiene	ND	2.5	mg/L	SW846 8270C	
Hexachloroethane	ND	2.5	mg/L	SW846 8270C	
Nitrobenzene	ND	2.5	mg/L	SW846 8270C	
Pentachlorophenol	ND	5.0	mg/L	SW846 8270C	
Pyridine	1.4 J	5.0	mg/L	SW846 8270C	
2,4,5-Trichlorophenol	ND	2.5	mg/L	SW846 8270C	
2,4,6-Trichlorophenol	ND	2.5	mg/L	SW846 8270C	

J Estimated result. Result is less than RL.

Inorganic Analysis					Reviewed
Cyanide, Total	ND	0.50	mg/kg	SW846 9012A	
Pensky-Martens Method for Determining Ignitability	74		deg F	SW846 1010	
Soil and Waste pH	3.0		No Units	SW846 9045C	

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Lot #: A0A210214 QC0011900-1STU Date Reported: 2/16/00

PARAMETER		RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: DRUM33 (BT33)						
Sample #: 012 Date Sampled: 01/19/00 Date Received: 01/19/00 Matrix: WASTE						
Sulfide						Reviewed
Acid-insoluble Sulfide		80	50	mg/kg	SW846 9030A	
Client Sample ID: RIGHT PILE						
Sample #: 013 Date Sampled: 01/19/00 Date Received: 01/19/00 Matrix: WASTE						
Inductively Coupled Plasma (ICP) Metals TCLP						In Review
Silver	TCLP	ND	0.50	mg/L	SW846 6010B	
Arsenic	TCLP	ND	0.50	mg/L	SW846 6010B	
Barium	TCLP	1.0 B	10.0	mg/L	SW846 6010B	
Cadmium	TCLP	0.056 B	0.10	mg/L	SW846 6010B	
Chromium	TCLP	ND	0.50	mg/L	SW846 6010B	
Lead	TCLP	1.1	0.50	mg/L	SW846 6010B	
Selenium	TCLP	ND	0.25	mg/L	SW846 6010B	
Mercury in Solid Waste (Manual Cold-Vapor) TCLP						In Review
Mercury	TCLP	ND	0.0020	mg/L	SW846 7471A	

B Estimated result. Result is less than RL.

Client Sample ID: LEFT PILE						
Sample #: 014 Date Sampled: 01/19/00 Date Received: 01/19/00 Matrix: WASTE						
Inductively Coupled Plasma (ICP) Metals TCLP						In Review
Silver	TCLP	ND	0.50	mg/L	SW846 6010B	
Arsenic	TCLP	ND	0.50	mg/L	SW846 6010B	
Barium	TCLP	1.0 B	10.0	mg/L	SW846 6010B	
Cadmium	TCLP	0.064 B	0.10	mg/L	SW846 6010B	
Chromium	TCLP	ND	0.50	mg/L	SW846 6010B	
Lead	TCLP	1.6	0.50	mg/L	SW846 6010B	
Selenium	TCLP	ND	0.25	mg/L	SW846 6010B	
Mercury in Solid Waste (Manual Cold-Vapor) TCLP						In Review
Mercury	TCLP	ND	0.0020	mg/L	SW846 7471A	

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

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Ohio EPA-Central Office
QC0011900-1SIU

Lot #: A0A210214 Date Reported: 2/16/00

Client Sample ID: LEFT PILE
Sample #: 014 Date Sampled: 01/19/00 Date Received: 01/19/00 Matrix: WASTE

Mercury in Solid Waste (Manual Cold-Vapor) TCLP — In Review

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Mercury	0.0	0.0	mg/L	SW846 7470A

B Estimated result. Result is less than RL.

Client Sample ID: FLETCHER
Sample #: 015 Date Sampled: 01/19/00 11:45 Date Received: 01/19/00 Matrix: WATER

Volatile Organics by GC/MS — In Review

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Chloromethane	0.10 J	2.0	ug/L	SW846 8260B
Bromomethane	ND	2.0	ug/L	SW846 8260B
Vinyl chloride	ND	2.0	ug/L	SW846 8260B
Chloroethane	ND	2.0	ug/L	SW846 8260B
Methylene chloride	1.7	1.0	ug/L	SW846 8260B
Acetone	ND	10	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	10	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Trichloroethene	11	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Benzene	0.12 J	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B
2-Hexanone	ND	10	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Lot #: A0A210214 QC0011900-1SIU Date Reported: 2/16/00

Client Sample ID: FLETCHER
Sample #: 015 Date Sampled: 01/19/00 11:45 Date Received: 01/19/00 Matrix: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Volatile Organics by GC/MS					In Review
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B	
Toluene	ND	1.0	ug/L	SW846 8260B	
Chlorobenzene	ND	1.0	ug/L	SW846 8260B	
Ethylbenzene	ND	1.0	ug/L	SW846 8260B	
Styrene	ND	1.0	ug/L	SW846 8260B	
Xylenes (total)	ND	1.0	ug/L	SW846 8260B	

J Estimated result. Result is less than RL.

Client Sample ID: TABET
Sample #: 016 Date Sampled: 01/19/00 12:00 Date Received: 01/19/00 Matrix: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Volatile Organics by GC/MS					In Review
Chloromethane	0.18 J	2.0	ug/L	SW846 8260B	
Bromomethane	ND	2.0	ug/L	SW846 8260B	
Vinyl chloride	ND	2.0	ug/L	SW846 8260B	
Chloroethane	ND	2.0	ug/L	SW846 8260B	
Methylene chloride	0.88 J	1.0	ug/L	SW846 8260B	
Acetone	ND	10	ug/L	SW846 8260B	
Carbon disulfide	ND	1.0	ug/L	SW846 8260B	
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B	
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B	
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260B	
Chloroform	ND	1.0	ug/L	SW846 8260B	
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B	
2-Butanone	ND	10	ug/L	SW846 8260B	
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B	
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B	
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B	
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B	
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B	
Trichloroethene	0.70 J	1.0	ug/L	SW846 8260B	
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B	
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B	
Benzene	ND	1.0	ug/L	SW846 8260B	

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

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Ohio EPA-Central Office
QC0011900-1SIU

Lot #: A0A210214 Date Reported: 2/16/00

Client Sample ID: TABET
Sample #: 016 Date Sampled: 01/19/00 12:00 Date Received: 01/19/00 Matrix: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Volatile Organics by GC/MS					In Review
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B	
Bromoform	ND	1.0	ug/L	SW846 8260B	
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B	
2-Hexanone	ND	10	ug/L	SW846 8260B	
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B	
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B	
Toluene	ND	1.0	ug/L	SW846 8260B	
Chlorobenzene	ND	1.0	ug/L	SW846 8260B	
Ethylbenzene	ND	1.0	ug/L	SW846 8260B	
Styrene	ND	1.0	ug/L	SW846 8260B	
Xylenes (total)	ND	1.0	ug/L	SW846 8260B	

J Estimated result. Result is less than RL.

Client Sample ID: SW WELL
Sample #: 017 Date Sampled: 01/19/00 13:30 Date Received: 01/19/00 Matrix: WATER

Volatile Organics by GC/MS					In Review
Chloromethane	0.21 J	2.0	ug/L	SW846 8260B	
Bromomethane	ND	2.0	ug/L	SW846 8260B	
Vinyl chloride	ND	2.0	ug/L	SW846 8260B	
Chloroethane	ND	2.0	ug/L	SW846 8260B	
Methylene chloride	0.81 J	1.0	ug/L	SW846 8260B	
Acetone	ND	10	ug/L	SW846 8260B	
Carbon disulfide	ND	1.0	ug/L	SW846 8260B	
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B	
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B	
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260B	
Chloroform	ND	1.0	ug/L	SW846 8260B	
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B	
2-Butanone	ND	10	ug/L	SW846 8260B	
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B	
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B	
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B	
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B	

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

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Ohio EPA-Central Office

Lot #: A0A210214 QC0011900-1SIU Date Reported: 2/16/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: SW WELL					
Sample #: 017 Date Sampled: 01/19/00 13:30 Date Received: 01/19/00 Matrix: WATER					
Volatile Organics by GC/MS					In Review
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B	
Trichloroethene	1.4	1.0	ug/L	SW846 8260B	
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B	
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B	
Benzene	ND	1.0	ug/L	SW846 8260B	
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B	
Bromoform	ND	1.0	ug/L	SW846 8260B	
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B	
2-Hexanone	ND	10	ug/L	SW846 8260B	
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B	
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B	
Toluene	ND	1.0	ug/L	SW846 8260B	
Chlorobenzene	ND	1.0	ug/L	SW846 8260B	
Ethylbenzene	ND	1.0	ug/L	SW846 8260B	
Styrene	ND	1.0	ug/L	SW846 8260B	
Xylenes (total)	ND	1.0	ug/L	SW846 8260B	

J Estimated result. Result is less than RL.

Client Sample ID: EAST WELL					
Sample #: 018 Date Sampled: 01/19/00 14:00 Date Received: 01/19/00 Matrix: WATER					
Volatile Organics by GC/MS					In Review
Chloromethane	0.30 J	2.0	ug/L	SW846 8260B	
Bromomethane	ND	2.0	ug/L	SW846 8260B	
Vinyl chloride	ND	2.0	ug/L	SW846 8260B	
Chloroethane	ND	2.0	ug/L	SW846 8260B	
Methylene chloride	1.5	1.0	ug/L	SW846 8260B	
Acetone	6.6 J	10	ug/L	SW846 8260B	
Carbon disulfide	ND	1.0	ug/L	SW846 8260B	
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B	
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B	
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260B	
Chloroform	ND	1.0	ug/L	SW846 8260B	
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B	

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

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Ohio EPA-Central Office
QC0011900-1SIU

Lot #: A0AZ10214 Date Reported: 2/16/00

Client Sample ID: EAST WELL
Sample #: 018 Date Sampled: 01/19/00 14:00 Date Received: 01/19/00 Matrix: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Volatile Organics by GC/MS				In Review
2-Butanone	ND	10	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Trichloroethene	1.1	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Benzene	0.076 J	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B
2-Hexanone	ND	10	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Toluene	0.056 J	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	1.0	ug/L	SW846 8260B

J Estimated result. Result is less than RL.

Client Sample ID: TELEPHONE POLE WELL
Sample #: 019 Date Sampled: 01/19/00 14:15 Date Received: 01/19/00 Matrix: WATER

Volatile Organics by GC/MS				In Review
Chloromethane	0.22 J	2.0	ug/L	SW846 8260B
Bromomethane	ND	2.0	ug/L	SW846 8260B
Vinyl chloride	ND	2.0	ug/L	SW846 8260B
Chloroethane	ND	2.0	ug/L	SW846 8260B
Methylene chloride	0.97 J	1.0	ug/L	SW846 8260B
Acetone	ND	10	ug/L	SW846 8260B
Carbon disulfide	0.44 J	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

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Ohio EPA-Central Office
QC0011900-1SIU

Lot #: A0A210214 Date Reported: 2/16/00

Client Sample ID: TELEPHONE POLE WELL
Sample #: 019 Date Sampled: 01/19/00 14:15 Date Received: 01/19/00 Matrix: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Volatile Organics by GC/MS					In Review
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B	
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260B	
Chloroform	ND	1.0	ug/L	SW846 8260B	
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B	
2-Butanone	ND	10	ug/L	SW846 8260B	
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B	
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B	
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B	
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B	
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B	
Trichloroethene	0.84 J	1.0	ug/L	SW846 8260B	
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B	
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B	
Benzene	0.085 J	1.0	ug/L	SW846 8260B	
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B	
Bromoform	ND	1.0	ug/L	SW846 8260B	
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B	
2-Hexanone	ND	10	ug/L	SW846 8260B	
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B	
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B	
Toluene	0.061 J	1.0	ug/L	SW846 8260B	
Chlorobenzene	ND	1.0	ug/L	SW846 8260B	
Ethylbenzene	ND	1.0	ug/L	SW846 8260B	
Styrene	ND	1.0	ug/L	SW846 8260B	
Xylenes (total)	ND	1.0	ug/L	SW846 8260B	

J Estimated result. Result is less than RL.