ANALYTICAL DATA REPORT

SOIL INVESTIGATION--1746 DALE ROAD

CHEEKTOWAGA, NY

FTA Report No. ET-826-01

FRONTIER TECHNICAL ASSOCIATES INC.

8675 Sheridan Drive. Buffalo. New York 14221 (716) 634-2293

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March 3, 2000

Prepared For:

RoCo, Ltd.

Prepared By:

Frontier Technical Associates, Inc.
8675 Sheridan Drive
Buffalo, NY 14221
(716) 634-2293

The analytical test results reported herein were performed to professional standards of the NYELAP program. This report was prepared at the request of Counsel for RoCo, Ltd. for evaluation purposes and is not intended for any other purpose.

FTA Frontier Technical Associates, Inc.

INTRODUCTION

General

The purpose of this data report is to document the subsurface soil investigation conducted on January 6-7, 2000 in the area surrounding 1746 Dale Road (Dale and Anderson Roads), Cheektowaga, New York. Figure 1 illustrates the location of the area investigated. The soil investigation was conducted at the request of RoCo, Ltd.

The area investigated lies in a commercial and industrial area of the Town of Cheektowaga. This location is in the immediate vicinity of Davis Electric to the north, Niagara Transformer to the south, Upstate Milk Cooperatives, Inc. to the west, and the former ACTS Testing Laboratory to the east.

The location of Davis Electric was known to be a cutlery manufacturer and metal fabricator, Kolk Manufacturing by 1949. Based upon a 1924 map, the immediate site of RoCo, Ltd. was the location of Careo Oxygen Co, an air reduction facility, while the Buffalo Steel Car Co. was located just northeast of the property at that time.

The scope of services provided included drilling six borings to a maximum depth of 20 feet below grade, obtaining continuous split spoon samples of the soil for sampling and classification purposes, sampling at designated intervals, preparation of drill logs for each boring, screening the soils recovered for volatile components, and analysis of the samples at selected depth intervals for volatile organic compounds and total petroleum hydrocarbons. This data report is the product of the investigation, sampling and analysis services provided.

In all, 36 samples were obtained for analysis of volatile organic compounds while nine samples were analyzed for total petroleum hydrocarbons.

Access agreements were signed between Upstate Milk Cooperative and Davis Electric with Roco Ltd. to allow access to the property for the investigation and boring. At the conclusion of the boring, each hole was filled and grouted to the surface with a cement-bentonite mixture and returned to its previous condition. These access agreements were coordinated by Mr. Michael Shannon of Farner and Farner.

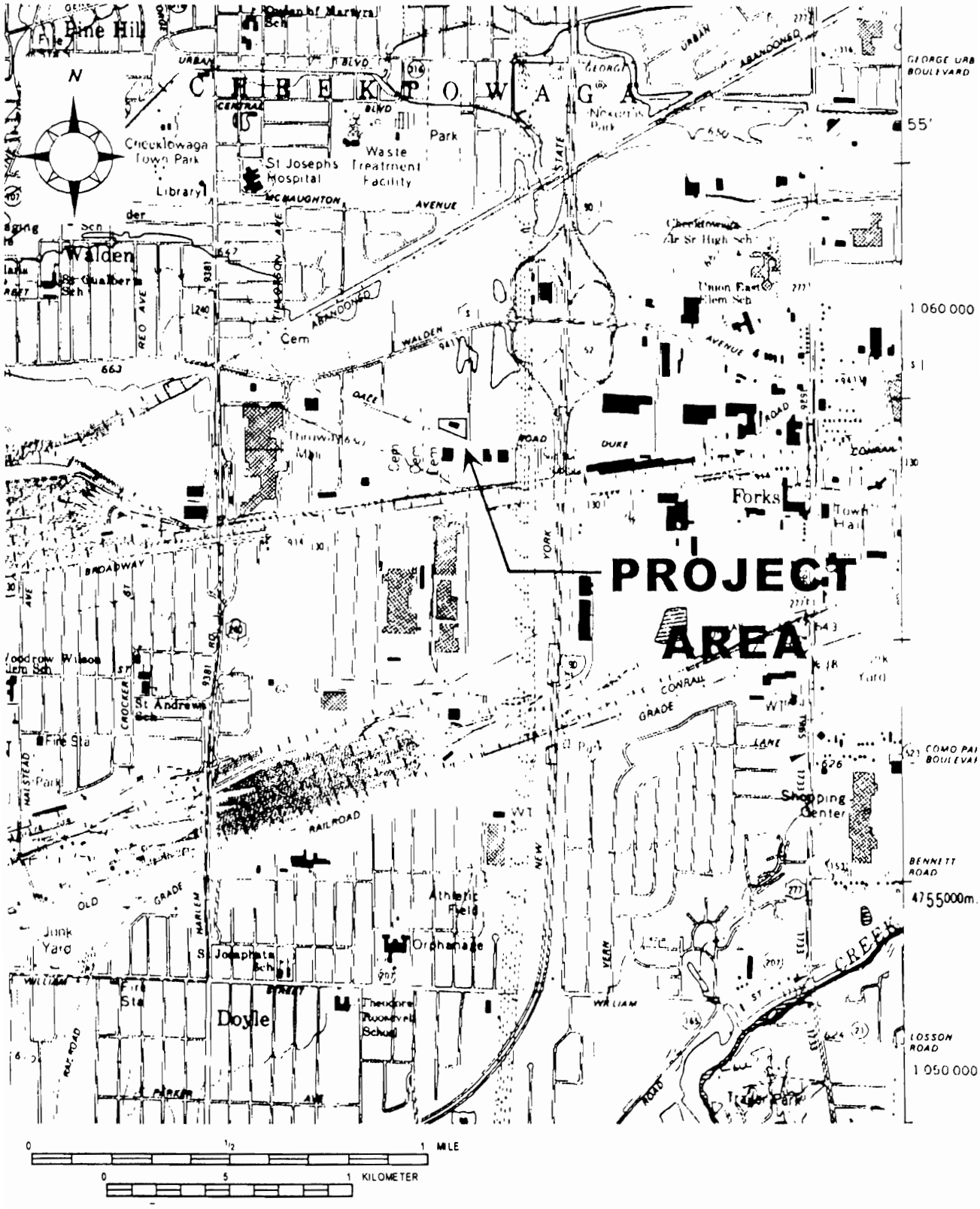


Figure 1 - Location of Project Area at 1746 Dale Road, Cheektowaga, New York. (NYSDOT, Buffalo SE, 1989)

Scope

The scope of services was limited to drilling six borings using a hollow stem auger and continuous split spoon sampling to a depth of 20 feet. Samples were obtained at two foot intervals for soil classification and screening for hydrocarbons and volatile compounds using a photoionization detector (PID). The boring locations were determined based upon previous borings and analytical results obtained by Panamerican Environmental (Phase II Subsurface Environmental Assessment, 1999). Figure 2 is an illustration of the boring and sampling locations utilized in this study. Analysis for volatile organic compounds was limited to six samples at each boring location. The depths sampled were: 2-4 ft, 4-6 ft, 6-8 ft, 8-10 ft, 14-16 ft and 18-20 ft. Total petroleum hydrocarbons were analyzed based upon visual, field observations with at least one analysis per boring. In addition to soil sampling and laboratory sampling and analysis, Frontier Technical Associates, Inc. provided field sampling and analysis, soil visual classification, boring logs, elevation data, and technical reporting and consultation.

Limitations

The investigation was limited in scope and, as such, this data report is based upon information from a limited soil sampling investigation, sample analyses by the methods designated, organic vapor screening and visual observations. This report is intended exclusively for the purposes outlined above at the site location and project scope described.

This report is for the sole use of RoCo, Ltd. and those persons or organizations it may designate. The scope of services performed in this sampling and analytical effort may not be appropriate for other purposes or users. Any observations and conclusions set forth in this report are subject to the limitations of the drilling investigation, analytical methods used, and instumentation capabilities.

All subsurface soil investigations are limited by variabilities in subsurface soil characteristics and physical factors in the environment which are inherently changing. The data and site conditions described represent a specfic time frame. Over time, these conditions may change. It should also be noted that some organic constituents may degrade with time due to physical and biological factors.

Descriptions and analytical data reported here apply to the site conditions encountered at the time of the boring and sampling. There may be conditions which may change at the site or go undetected in the subsurface, and thus, may not be possible to evaluate.

METHODS

Field Investigation

The entire site was inspected and boring sites were located and marked prior to drilling. No underground utilities were noted in the vicinity of each boring location. The number of borings, approximate locations, sample numbers, analytical parameters, and analytical methods--both field and laboratory--were outlined in a proposed scope of services and approved by the project sponsor prior to the start of work.

The elevations and locations of each bore hole were determined relative to the elevations and locations used in a previous boring investigation (PanAmerican, 1999). This was completed at the conclusion of drilling activities on January 7, 2000 (see Appendix).

The purpose of the limited soil investigation was to assess the possible presence of volatile organic compounds on the property, not to determine its extent. The focus of the investigation was to locate soil borings in the vicinity of previous borings at an appropriate distance away and obtain representative samples. Only those areas which indicated the presence of contaminants in the previous study were assessed (Panamerican, 1999).

Six borings were completed to a 20 foot depth below grade at each location. A standard two inch split spoon sampler was advanced through a 4.25 inch hollow stem auger, and continuous split spoon samples were obtained from a two to 20 foot depth (0-2 ft pavement, fill and disturbed materials were not sampled).

Soil from each boring was visually described in the field. Observations and mechanical data collected by the driller were supplemented by classification of the material removed from the borings as determined through visual identification by technicians in the laboratory (SJB Services, Inc.). The subsurface logs for the borings are presented in the Appendix. The soil samples were screened using an organic vapor analyzer (HNu PI-101 with a 11.7 eV lamp) after removal to the office and equilibration to room temperature. An analysis for volatile vapors was performed to determine the concentrations of organic vapor in the head space of the sample containers.

All sampling tools were cleaned with a non-phosphate detergent, double rinsed with tap water, and rinsed with distilled water to decontaminate between sample points.

Soil Screening

Screening of all soil core samples for volatile organic compounds was performed using a organic vapor analyzer (Photoionization Detector--PID) HNu Model PI 101 with a 11.7 eV lamp. Soil cores were tranferred immediately to precleaned, labelled sample bottles, secured and transported to the office. After equilibration at room temperature, the organic vapor content of the head space in each container was recorded and the entire length of the core was screened at two foot intervals. The results are documented in Table 1. No petroleum or chemical solvent odors were detected in the field, although outside conditions were windy with the air temperatures between 25-30 F. In general, there appears to be good correlation between organic vapor readings and laboratory volatile organic compound data.

Soil Sampling and Analytical Program

Samples for laboratory analysis were obtained from each boring at the following depths: 2-4 ft, 4-6 ft, 6-8 ft, 8-10 ft, 14-16 ft and 18-20 ft. Samples from each depth were analyzed separately and were not composited. For volatile organic compounds, EPA Method 8260B (TCL Volatiles) was used (GC-MS). For total petroleum hydrocarbons, EPA Method 418.1 was used. Percent solids was determined gravimetrically (EPA 160.2). All samples were obtained using precleaned, stainless steel split spoons and decontaminated between uses.

ANALYTICAL RESULTS

The results of the chemical analysis of the soil are contained in the laboratory report attached in the Appendix. All chemical analyses were performed by Columbia Analytical Services, Inc. (NY ELAP 10145). All sampling and field work was performed by Frontier Technical Associates, Inc. (NY ELAP 10475).

Volatile Organic Compounds

Only seven volatile organic compounds were detected above the detection limit during this investigation. The following compounds were detected: Trichloroethene, Tetrachloroethene, cis-1,2-Dichloroethene, 1,1-Dichloroethane, 1,2-Dichloroethane, 1,1-Dichloroethane and Vinyl Chloride. Based upon the frequency of detection and concentrations, Trichlorethene and Tetrachloroethene were the most commonly found compounds. The other compounds could be potential breakdown products resulting from the

TABLE 1
RESULTS OF PID SOIL SCREENING
1746 DALE ROAD, CHEEKTOWAGA, NY

Depth	ORGANIC VAPOR CONCENTRATION (ppm)					
	Boring 4A	Boring 5A	Boring 6A	Boring 7A	Boring 8A	Boring 9A
0'- 2'	9.5	NS	NS	5.5	NS	6
2'- 4'	70	NS	12	5	9	6
4'- 6'	200	NS	6	50	50	9.5
6'- 8'	210	20	30	48	7	4.5
8'- 10'	110	9	52	32	60	5.5
10'- 12'	100	24	22	4.5	5	5.2
12'- 14'	5	5	10	5.8	5.5	5.2
14'- 16'	12	4.5	3	5.8	5	5.8
16'- 18'	6	4	4.5	3.5	4	5
18'- 20'	4.5	6.5	5.5	5.5	5.5	5.5

Notes:

1. All photoionization detector readings made on head space in sample container after equilibration to room temperature.

2. Depths given are depths below surface at boring location.

3. NS = No Sample

4. Analysis performed on January 8, 2000.

5. Analysis performed using a HNU PID (Serial Nol 901041) PI 101 with an 11.7 eV light source. Meter was calibrated with calibration gas.

chemical and microbial decomposition of chlorinated solvents or trace constituents present in others reagents. Table 2 is a summary of the analytical findings by boring and two foot depth intervals. The lowest concentrations of volatile organic compounds were found in Borings 5A and 9A. The location and mixture of compounds detected at 5A appear to indicate that they may be unrelated to the results from other borings at the site. Boring 9A indicates that very little migration of volatile compounds has occurred in a southerly direction, and the presence of these compounds may be limited in areal extent. Analytical results from Borings 4A, 8A and 9A appear to indicate a different regime from the results obtained at Borings 6A and 7A.

Field Observations

No groundwater was observed upon completion in each of the borings. During drilling at Boring 5A, water percolated from the gravel layer under the pavement. The absence of groundwater is consistent with previous findings and the results of a remedial investigation conducted for Niagara Transformer to the south. The solids concentration was consistently in the 80 to 90% range for all of the samples with an average value of approximately 84%. This indicates a relatively dry soil which would not facilitate waterborne transport of contaminants. The absence of groundwater at this site indicates limited mobility of contaminants. PID values indicate a correlation between organic vapor readings and analytical results, although the types of volatile compounds present cannot be determined from this type of analysis.

TABLE 2
VOLATILE COMPOUNDS FOUND IN BORINGS (ug/kg)
1746 DALE ROAD, CHEEKTOWAGA, NEW YORK

Parameter	2' to 4'	4' to 6'	6' to 8'	8' to 10'	10' to 12'
Boring 5A (Davis Electric Driveway)					
Cis-1,2-Dichloroethene	0	14	160	8.1	22*
Trichloroethene	260	43	2100	17	45*
1,1-Dichloroethane	0	0	2,100	2,100	5,600*
Vinyl Chloride	0	0	24	0	0*
1,2-Dichloroethane	0	0	150	110	293*
1,1-Dichloroethene	0	0	330	0	0*
Borehole 6A (Davis Electric Driveway)					
Cis-1,2-Dichloroethene	0	1,400	6,200	5,300	2,242*
Trichloroethene	18	28,000	15,000	160,000	67,692*
Borehole 7A (Davis Electric Driveway)					
Cis-1,2-Dichloroethene	0	0	0	3,000	421*
Trichloroethene	14	15,000	18,000	34,000	4,782*
Borehole 8A (Upstate Milk Parking Lot)					
Cis-1,2-Dichloroethene	0	2,200	6,100	18	1.5*
Trichloroethene	5,600	25,000	57,000	14	1.2*
Tetrachloroethene	3,500	0	0	0	0*
Vinyl Chloride	0	0	0	39	3.3*
Borehole 4A (Upstate Milk Parking Lot)					
Cis-1,2-Dichloroethene	6.3	0	8,100	4,100	3,727*
Trichloroethene	75	33,000	240,000	48,000	43,636*
Tetrachloroethene	320	130,000	73,000	4,900	4,456*
Borehole 9A (Upstate Milk Parking Lot)					
Cis-1,2-Dichloroethene	0	14	6.4	0	0*
Trichloroethene	6.4	1,200	0	0	0*
Tetrachloroethene	0	22	0	0	0*

* Based on ratio of the photoionization detector measurements.

CONCLUSIONS

The sampling and analysis data reported here indicate the presence of volatile organic compounds in the subsurface soils in the vicinity of the property at 1746 Dale Road and adjacent properties. There is insufficient data to determine the process source, origin or period of time during which the compounds may have been released.

No groundwater was encountered during the installation of the borings to a 20 foot depth. During the initial stage of drilling at Boring 5A, a small amount of water was encountered flowing along the gravel fill-soil interface. Surficial materials are largely pavement, fill and distrurbed materials and were not sampled. Soils just below this depth at 2-4 feet had little or no volatile organic compounds detected at most locations (exceptions were Boring 4A and 8A).

Each of the boring locations was located under paved areas, thus decreasing the infiltration of precipitation and resulting in low levels of soil moisture and no groundwater. The soils were fine sand to silty clays with some gravel encountered. The presence of other activities at adjacent sites historically may have contributed to the presence of the parameters encountered, but this cannot be determined based upon the limited investigation conducted.

It appears that the presence of volatile organic compounds is limited in area and confined primarily to the northwest corner of the area of investigation, although the extent of that area cannot be determined precisely at this time. A separate area in the vicinity of the northeast corner of the property appears to be unrelated to the others (Boring 5A).

Quantitatively, it appears that the volatile organic compounds are primarily present at depths from two to approximately 10 feet to a maximum of 12 feet below the surface. Beneath 12 feet, PID readings and volatile organic compound concentrations are significantly reduced. Since this area is paved and shallow surficial soils do not exhibit similar concentrations of volatile compounds, there is no possibility of direct contact with soils below the two foot depth as long as there are no excavation activities. For surface uses, therefore, there is no impediment to use of this area for present or anticipated industrial uses of the existing building.

Based upon visual observations and analysis of soil samples, petroleum hydrocarbons are not present at levels of concern at the six soil boring locations. No oily sheen was

encountered during visual observation of the soil samples in the field. Total petroleum hydrocarbon data, although limited, confirmed this observation. Based upon photoionization detector (PID) readings and the compounds detected, there is no indication that petroleum products are the source of the volatile organic compounds encountered. However the PID readings do appear to correlate with the volatile organic compound results obtained from laboratory analysis.

Examination of the location and types of pollutants encountered suggests that there may have been different sources or release histories for each of three areas. That is, borings 4A, 9A and 8A appear to be related, borings 6A and 7A appear to be related, and the area near boring 5A appears to be unrelated to the other two areas.

This site and surrounding area appear to have been used almost continuously since the 1920's for industrial activity. These activities have included cutlery manufacture and metals fabrication, tank car manufacture, a railroad siding, and air reduction (oxygen production). It is not possible to determine the history of the presence of these substances, and with the limited data available, it is not possible to determine the source(s) or history at this time.

REFERENCES

Panamerican Environmental Inc., 1999, Phase II Environmental Assessment--1746 Dale Rd, Cheektowaga, NY.

Panamerican Environmental Inc., 1998, Phase I Environmental Site Assessment, The Rotary Company, Inc.--1746 Dale Rd, Cheektowaga, NY (October 19, 1998).

APPENDIX

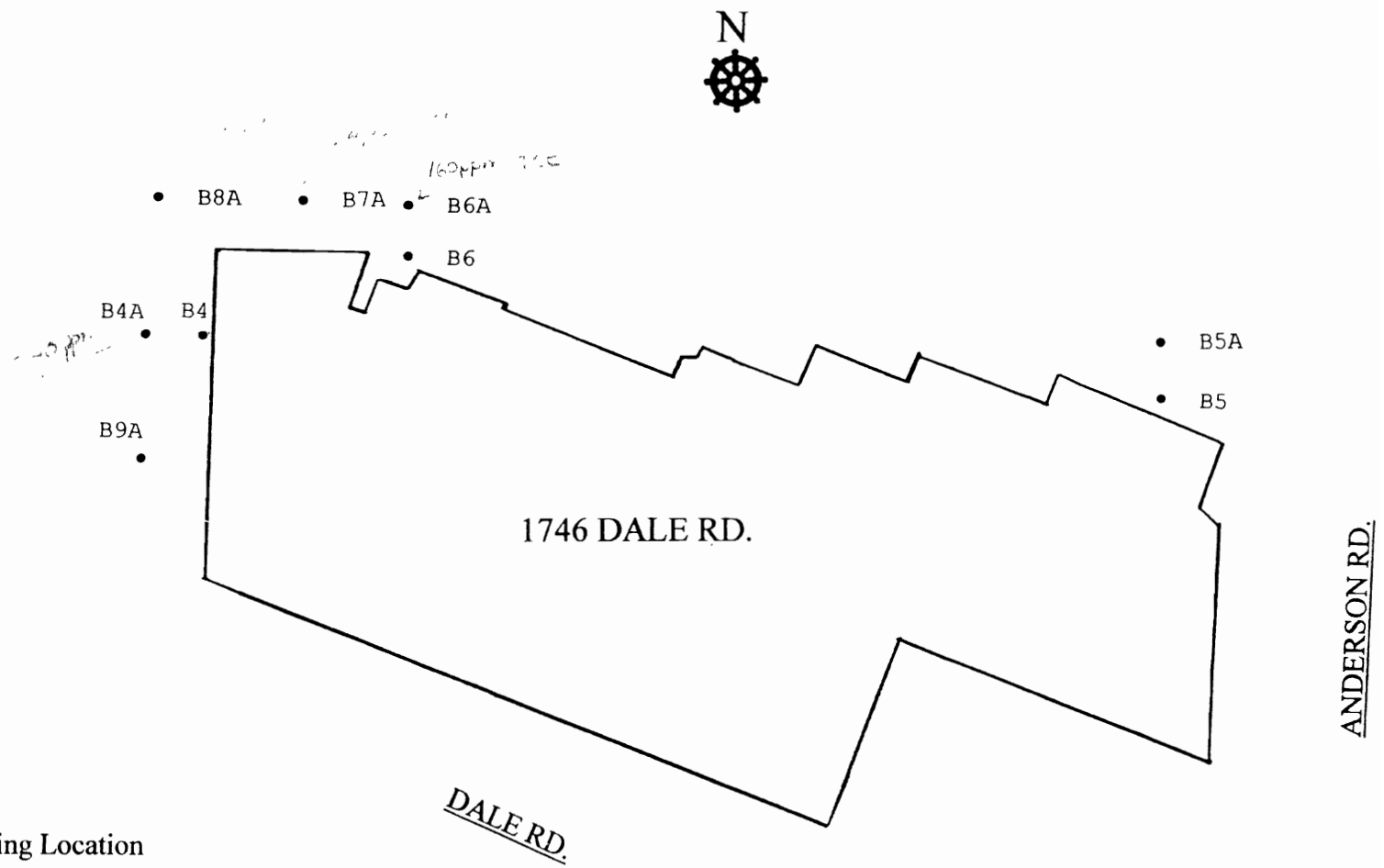
Drillers Report and Subsurface Logs

Laboratory Analytical Report
(VOCs and TPH)

Relative Elevations of Borings

RELATIVE ELEVATIONS AT 1746 DALE ROAD
BORE HOLE LOCATIONS

Northeast Corner of Building on Concrete Pad	100.00'
B-4	99.30'
B-4a	99.51'
B-8a	99.47'
B-9a	99.90'
B-7a	99.36'
B-6a	98.29'
B-6	99.74'
B-5a	97.67'



• - Boring Location
Locations Shown
are Approximate

Scale- 1" ≅ 50'

Figure 2. Approximate Locations of Borings--1746 Dale Road.

SJB SERVICES, INC.

Contract Drilling and Testing

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Fax: (716) 821-0163

55 Oliver Street
Cohoes, New York 12047
Phone: (518) 238-1145
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Fax: (610) 746-2669

TOLL FREE: 1-800-821-5911

January 20, 2000

Frontier Technical Associates, Inc.
8675 Sheridan Drive
Buffalo, New York 14221

Attention: *Dave Harty, P.E.*

Reference: *Drilling Services*
Dale Road
Cheektowaga, New York

Dear Dave,

Enclosed please find the subsurface logs for the Dale Road drilling project in Cheektowaga, New York.

If you should have any questions, please do not hesitate to contact our office at any time.

Sincerely,
SJB SERVICES, INC.

Chuck B. Guzzetta
Civil/Environmental Technician

tlf/attached

GENERAL INFORMATION & KEY TO SUBSURFACE LOGS

The Subsurface Logs attached to this report present the observations and mechanical data collected by the driller at the site, supplemented by classification of the material removed from the borings as determined through visual identification by technicians in the laboratory. It is cautioned that the materials removed from the borings represent only a fraction of the total volume of the deposits at the site and may not necessarily be representative of the subsurface conditions between adjacent borings or between the sampled intervals. The data presented on the Subsurface Logs together with the recovered samples will provide a basis for evaluating the character of the subsurface conditions relative to the project. The evaluation must consider all the recorded details and their significance relative to each other. Often analyses of standard boring data indicate the need for additional testing or sampling procedures to more accurately evaluate the subsurface conditions. Any evaluation of the contents of this report and recovered samples must be performed by Professionals. The information presented in the following defines some of the procedures and terms used on the Subsurface Logs to describe the conditions encountered.

1. The figures in the Depth column defines the scale of the Subsurface Log.

2. The sample column shows, graphically, the depth range from which a sample was recovered See Table 1 for a description of the symbols used to signify the various types of samples.

3. The Sample No. is used for identification on sample containers and/or Laboratory Test Reports.

4. Blows on Sampler—shows the results of the "Penetration Test", recording the number of blows required to drive a split spoon sampler into the soil. The number of blows required for each six inches of penetration is recorded. The first 6 inches of penetration is considered to be a seating drive. The number of blows required for the second and third 6 inches of penetration is termed the penetration resistance, N. The outside diameter of the sampler, the hammer weight and the length of drop are noted at the bottom of the Subsurface Log.

5. Blows on Casing — shows the number of blows required to advance the casing a distance of 12 inches. The casing size, the hammer weight and the length of drop are noted at the bottom of the Subsurface Log. If the casing is advanced by means other than driving, the method of advancement will be indicated in the Notes column or under the Method of Investigation at the bottom of the Subsurface Log.

6. All recovered soil samples are reviewed in the laboratory by an engineering technician, geologist or geotechnical engineer, unless noted otherwise. The visual descriptions are made on the basis of a combination of the driller's field descriptions and observations and the sample as received in the laboratory. The method of visual classification is based primarily on the Unified Soil Classification (ASTM D 2487-83) with regard to the particle size and plasticity (See Table No. 2) Additionally, the relative portion, by weight, of two or more soil types is described for granular soils in accordance with "Suggested Methods of Test for Identification of Soils" by D M. Burmister, ASTM Special Technical Publication 479, June 1970. (See Table No. 3) The description of the relative soil density or consistency is based upon the penetration records as defined on Table No. 4. The description of the soil moisture is based upon the relative wetness of the soil as recovered and is described as dry, moist, wet and saturated. Water introduced in the boring either naturally or during drilling may have affected the moisture condition of the recovered sample. Special terms are used as required to describe materials in greater detail several such terms are listed in Table 5. When sampling gravelly soils with a standard two inch diameter split spoon,the true percentage of gravel is often not recovered due to the relatively small sampler diameter. The presence of boulders and large gravel is sometimes, but not necessarily, detected by an evaluation of the casing and samplers blows or through the "action" of the drill rig as reported by the driller.

7. The description of the rock shown is based on the recovered rock core and the driller's observations. The terms frequently used in the description are included in Table 6.

8. The stratification lines represent the approximate boundary between soil types and the transition may be gradual. Solid stratification lines are based on the driller's field observations.

9. Miscellaneous observations and procedures noted by the driller are shown in this column, including water level observations. It is important to realize the reliability of the water level observations depends upon the soil type (water does not readily stabilize in a hole through fine grained soils), and that drill water used to advance the boring may have influenced the observations. The ground water level typically will fluctuate seasonally. One or more perched or trapped water levels may exist in the ground seasonally. All the available readings should be evaluated. If definite conclusions cannot be made, it is often prudent to examine the conditions more thoroughly through test pit excavations or water observation wells.

10. The length of core run is defined as the length of penetration of the core barrel. Core recovery is the length of core recovered divided by the core run. The RQD (Rock Quality Designation) is the total pieces of NX core exceeding 4 inches in length divided by the core run. The size core barrel used is also noted.

SUBSURFACE LOG KEY

Project_____ Date Started_____

Project#_____ Date Finished_____

Location_____ Surf. Elv._____

Driller:_____ G.W. Depth_____

SJB SERVICES, INC. — Contract Drilling and Testing

Hole # _____ Sheet ___ of ___

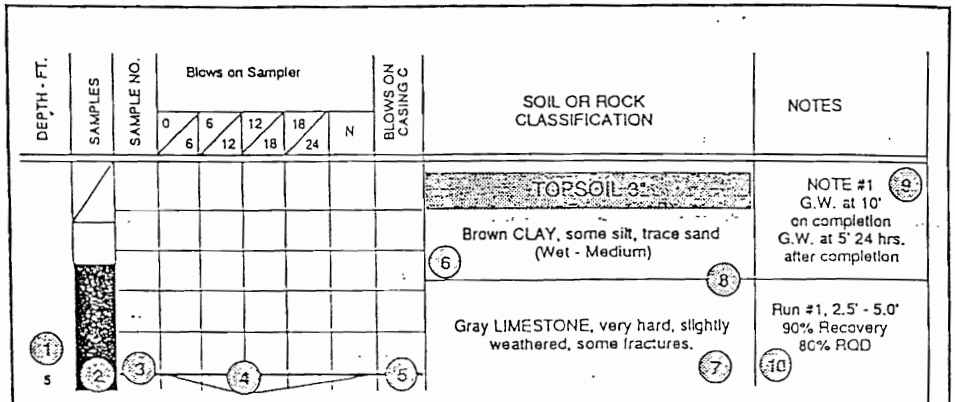

TABLE 1

- Split Spoon Sample
- Shelby Tube Sample
- Auger or Test Pit Sample
- Rock Core

TABLE 2

Identification of soil type is made on basis of an estimate of particle sizes, and in the case of fine grained soils also on the basis of plasticity.

Soil Type	Soil Particle Size	
Boulder	>12"	
Cobble	3" - 12"	
Gravel - Course	3" - 3/4"	Coarse Grained (Granular)
- Fine	3/4" - #4	
Sand - Coarse	#4 - #10	
- Medium	#10 - #40	
- Fine	#40 - #200	
Silt - Non Plastic (Granular)		
Clay-Plastic (Cohesive)	<#200	Fine Grained

TABLE 3

The following terms are used in classifying soils consisting of mixtures of 2 or more soil types. The estimate is based on weight of total sample.

Term	% of Total Sample
"and"	35-50
"some"	20-35
"little"	10-20
"trace"	less than 10

(When sampling gravelly soils with a standard split spoon, the true percentage of gravel is often not recovered due to the relatively small sampler diameter.)

TABLE 4

The relative compactness or consistency is described in accord with the following terms:

Granular Soils		Cohesive Soils	
Term	Blows per Foot, N	Term	Blows per Foot, N
Loose	<11	Very Soft	<3
Firm	11-30	Soft	3-15
Compact	31-50	Stiff	16-25
Very Compact	>51	Hard	>25

(Large particles in the soils will often significantly influence the blows per foot recorded during the Penetration Test)

TABLE 5

Varved - Horizontal uniform layers or seams of soil(s).
Layer - Soil deposit more than 6" thick.
Seam - Soil deposit more than 6" thick.
Parting - Soil deposit less than 1/8" thick.
Laminated- Irregular, horizontal and angled seams and partings of soil(s).

TABLE 6

Rock Classification Terms		Meaning
Hardness	Soft	Scratched by fingernail
	Medium Hard	Scratched easily by penknife
	Hard	Scratched very difficultly with penknife
	Very Hard	Cannot be scratched by penknife
Weathering	Very Weathered	Judged from relative amounts
	Weathered, Sound	of disintegration, iron staining, core recovery, clay seams, etc

Rock Classification Terms			Meaning
Bedding	Laminated	(<1")	Natural breaks in Rock Layers
	Thin Bedded	(1"-4")	
	Bedded	(4"-12")	
	Thick Bedded	(12" - 36")	
	Massive	(>36")	

Fracturing - natural breaks in the rock oriented at an angle to the rock layers

DATE:
STARTED 1/7/2000
FINISHED 1/7/2000

SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-4A
SURF. ELEV --
G.W DEPTH See Notes

PROJECT: Environmental Investigation
PROJ. NO. D-1630
LOCATION: Dale Road
Cheektowaga, New York

DEPTH FT	SMPL NO	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	5	5	5	10	ASPHALTIC CONCRETE	
						Black SILT, little fine Sand (moist, FILL)	
	2	8	7			Brn. fine SAND, tr. silt (moist, firm, SP)	
		7	6		14		
	3	6	7			Red-Brn Silty CLAY, tr. sand (moist, stiff, CL)	
5		11	16		18		
	4	15	11			Brn. Clayey SILT, tr. sand (moist, stiff, ML)	Slight Chemical Odors Noted in Sample #5
		10	10		21		
	5	8	8			Contains little-some f-c Sand, tr gravel	
		10	10		18		
10	6	5	6			(medium)	
		7	7		13		
	7	5	6			Becomes Red-Brn., Contains tr.-little f-c Sand	
		7	8		13		
	8	woh	3			Red-Brn Silty CLAY, tr. sand (moist, medium, CL)	woh= weight of hammer and rods
15		4	5		7		
	9	8	8			(stiff)	
		8	7		16		
	10	woh/1.5				Becomes Brn	
20		5			woh		
						Boring Complete at 20.0'	No Free Standing Water Encountered at Boring Completion.
							Borehole Grouted to Grade at Completion.
25							
30							
35							
40							

N = NO BLOWS TO DRIVE 2" SPOON 12" WITH A 140 LB. PIN WT FALLING 30" PER BLOW CLASSIFICATION VISUAL BY GEOTECHNICIAN
DRILLER C Ackley DRILL RIG TYPE CME 85
METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

DATE:
STARTED 1/6/2000
FINISHED 1/6/2000

SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-5A
SURF. ELEV --
G.W. DEPTH See Notes

PROJECT: Environmental Investigation
PROJ. NO. D-1630
LOCATION: Dale Road
Cheektowaga, New York

DEPTH FT	SMPL NO	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
		AUGER					Driller Notes Augering to 2.0' - No Samples Obtained. Poor Recovery Samples #1 and #2
	1	5	4				
		5	4		9		
	2	6	50/0.2		REF		
5							
	3	7	10			Red-Brn. laminated Silty CLAY, tr. sand (moist, stiff, CL)	
		10	10		20		
	4	6	7			Becomes Brn (medium)	
10		8	7		15		
	5	3	3			Contains little fine Sand (moist-wet)	
		4	5		7		
	6	4	5			Red-Brn Clayey SILT, little-some fine Sand, tr. gravel (moist, medium, ML)	
		6	7		11		
	7	4	4				
15		6	8		10		
	8	7	8			Brn. Silty CLAY, tr sand (moist, medium, CL)	
		7	6		15		
	9	woh	2				woh= weight of hammer and rods.
20		4	7		6		
						Boring Complete at 20.0'	Free Standing Water Recorded at Grade at Boring Completion
							Borehole Grouted to Grade at Completion
25							
30							
35							
40							

N = NO BLOWS TO DRIVE 2" SPOON 12" WITH A 140 LB PIN WT. FALLING 30" PER BLOW CLASSIFICATION VISUAL BY GEOTECHNICIAN
DRILLER C Ackley DRILL RIG TYPE CME 85
METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

DATE:
STARTED 1/6/2000
FINISHED 1/6/2000

SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-6A
SURF. ELEV --

G.W. DEPTH See Notes

PROJECT: Environmental Investigation
PROJ. NO. D-1630

LOCATION: Dale Road
Cheektowaga, New York

DEPTH FT	SMPL NO	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
		AUGER					Driller Notes Augering to 2.0' – No Samples Obtained.
	1	4	8			Red–Brn. Clayey SILT, tr.–little fine Sand (moist, stiff, ML)	
		9	21		17		
5	2	9	6			Contains fine Sand partings (medium)	
		9	12		23		
	3	10	11			Becomes Grey–Brn. (stiff)	
		12	11		23		
	4	5	5			Brn. Silty CLAY, little fine Sand, tr gravel (moist, medium, CL)	
		7	7		12		
10	5	6	9			Contains some fine Sand (stiff)	
		12	11		21		
	6	5	5			(medium)	
		6	7		11		
	7	2	3			Contains tr –little f–c Gravel	
15		3	5		6		
	8	3	4				
		6	6		10		
	9	woh	3				woh= weight of hammer and rods
20		4	5		7		
						Boring Complete at 20 0'	No Free Standing Water Encountered at Boring Completion
25							Borehole Grouted to Grade at Completion
30							
35							
40							

N = NO BLOWS TO DRIVE 2" SPOON 12" WITH A 140 LB. PIN WT. FALLING 30" PER BLOW

CLASSIFICATION VISUAL BY GEOTECHNICIAN

DRILLER C Ackley

DRILL RIG TYPE · CME 85

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

DATE:
STARTED 1/6/2000
FINISHED 1/6/2000

SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-7A
SURF. ELEV --

G.W. DEPTH See Notes

PROJECT: Environmental Investigation
PROJ. NO.. D-1630

LOCATION: Dale Road
Cheektowaga, New York

DEPTH FT	SMPL NO	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	2	4	5	9	CONCRETE	
						Brn. fine SAND, tr. silt (moist–wet, loose, SP)	
	2	4	6			Red–Brn. Clayey SILT, tr. gravel, occasional fine Sand	
		8	13		14	partings (moist, medium, ML)	
	3	5	6			(stiff)	
5		10	13		16		
	4	9	9			Grey–Brn. Silty CLAY, tr. sand, tr. gravel (moist, stiff, CL)	
		10	10		19		
	5	4	4			(medium)	
		6	7		10		
10	6	7	7			Brn. Clayey SILT, tr –little fine Sand, tr gravel (moist, medium, ML)	
		8	11		15	(stiff)	
	7	11	8				
		8	8		16		
	8	2	5			Brn. Silty CLAY, tr –little fine Sand, tr. gravel (moist, medium, CL)	
15		4	5		9	Contains tr.–little fine Sand	
	9	5	6				
		6	7		12		
	10	woh	2			Contains some fine Sand	woh= weight of hammer and rods
20		4	5		6		
						Boring Complete at 20.0'	No Free Standing Water Encountered at Boring Completion.
25							Borehole Grouted to Grade at Completion
30							
35							
40							

N = NO BLOWS TO DRIVE 2" SPOON 12" WITH A 140 LB PIN WT. FALLING 30" PER BLOW

CLASSIFICATION VISUAL BY GEOTECHNICIAN

DRILLER· C. Ackley

DRILL RIG TYPE : CME 85

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

DATE:
STARTED 1/7/2000
FINISHED 1/7/2000

SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO B-8A
SURF. ELEV --
G.W DEPTH See Notes

PROJECT: Environmental Investigation
PROJ. NO. D-1630

LOCATION: Dale Road
Cheektowaga, New York

DEPTH FT	SMPL NO	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
		AUGER					Driller Notes Augering to 2 0' – No Samples Obtained
	1	8	9			Brn fine SAND, little f–c Gravel, tr. silt (moist, firm, SP)	
		9	13		18		
5	2	5	15			Red–Brn. Clayey SILT, tr. sand (moist, hard, ML)	
		19	16		34		
	3	11	12			Becomes Grey–Brn., Contains tr –little f–c Gravel	
		15	15		27		
	4	8	5			(medium)	
10		7	8		12		
	5	20	8			Brn Silty CLAY, tr. sand, tr gravel (moist, stiff, CL)	
		10	11		18		
	6	7	7				
		10	10		17		
15	7	5	6			Contains tr. –little fine Sand (medium)	
		7	8		13		
	8	7	7			Contains little f–c Gravel (stiff)	
		10	8		17		
	9	woh	4			Contains little–some fine Sand (medium)	woh= weight of hammer and rods
20		5	5		9		
						Boring Complete at 20.0'	No Free Standing Water Encountered at Boring Completion
25							Borehole Grouted to Grade at Completion
30							
35							
40							

N = NO BLOWS TO DRIVE 2" SPOON 12" WITH A 140 LB. PIN WT. FALLING 30" PER BLOW CLASSIFICATION
DRILLER C Ackley DRILL RIG TYPE CME 85 VISUAL BY GEOTECHNICIAN
METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

DATE.
STARTED 1/7/2000
FINISHED 1/7/2000

SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO B-9A
SURF. ELEV --
G.W. DEPTH See Notes

PROJECT Environmental Investigation
PROJ. NO. D-1630

LOCATION: Dale Road
Cheektowaga, New York

DEPTH FT	SMPL NO	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	10	5	6	11	ASPHALTIC CONCRETE	
						Black–Brn. fine SAND, little Silt, tr. crushed stone (moist, FILL)	
	2	10	12				
		15	18		27	Brn. fine SAND, tr. silt (moist, firm, SP)	
	3	4	3			Brn. Clayey SILT, tr. sand (moist, medium, ML)	
5		4	8		7		
	4	4	6			Becomes Red–Brn.	
		8	7		14		
	5	3	5			Contains tr gravel	
		4	8		9		
10	6	11	8			(stiff)	
		9	9		17		
	7	10	8			Brn. Silty CLAY, little f–m, Sand, tr.–little f–c Gravel	
		7	9		15	(moist, medium, CL)	
15	8	7	8			(stiff)	
		9	11		17		
	9	11	7			(medium)	
		8	9		15		
	10	woh/1 0				(very soft)	
20		1	6		1		
						Boring Complete at 20.0'	No Free Standing Water Encoutered at Boring Completion.
25							Borehole Grouted to Grade at Completion.
30							
35							
40							

N = NO BLOWS TO DRIVE 2" SPOON 12" WITH A 140 LB PIN WT. FALLING 30" PER BLOW CLASSIFICATION
DRILLER C Ackley DRILL RIG TYPE CME 85 VISUAL BY GEOTECHNICIAN
METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

Columbia Analytical Services inc.

A FULL SERVICE ENVIRONMENTAL LABORATORY

January 27, 2000

Dr. Michael Terlecky
Frontier Technical Associates
8675 Sheridan Drive
Williamsville, NY 14221

PROJECT:1746 DALE RD (ET830)
Submission #:R2000458

Dear Dr. Terlecky:

Enclosed are the analytical results of the analyses requested. The analytical data was provided to you on 01/21/00 per a Facsimile transmittal. All data has been reviewed prior to report submission.

Should you have any questions please contact me at (716) 288-5380.

Thank you for letting us provide this service.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

Mark Wilson
Client Service Manager

Enc.

This package has been reviewed by Columbia Analytical Services' QA Department/Laboratory Director prior to report submittal.

1 Mustard St. • Suite 250 • Rochester, NY 14608 • Tele:(716)288-5380 • Fax:(716)288-8475

CASE NARRATIVE

COMPANY: Frontier Technical
1746 Dale Rd.
SUBMISSION #: R2000458

Frontier soil samples were collected on 01/6-7/00 and received at CAS on 01/10/00 in good condition.

VOLATILE ORGANICS

Soil samples were analyzed for the Target Compound List (TCL) of Volatile Organics by EPA Method 8260B from SW-846.

Samples 4A24 and 7A68 were analyzed for site specific QC. All matrix spike recoveries and RPD were within QC limits except for the RPD of Trichloroethene in both and the recovery of Trichloroethene in the MS of 4A24. Trichloroethene was spiked too low in the MS/MSD of 7A68.

Several samples had target compounds above the linear range of the method upon initial analysis. These compounds have been flagged "E". These samples were reanalyzed at dilutions to bring these compounds within the linear arange. Both sets of data have been reported.

All initial and continuing calibrations were compliant.

All blank spike recoveries were within QC limits.

All surrogate standard recoveries were within QC limits except for 4-BFB in sample 6A1416, 8A810, 9A46, 9A68, 9A810, 9A1416 and 9A1820.

All Internal standard areas were within QC limits.

All samples were analyzed within the required holding times.

No analytical or QC problems were encountered with these analyses.

INORGANIC ANALYSIS

Soil samples were analyzed for TPH by Method 418.1.

All initial and continuing calibrations were compliant.

All blank spike recoveries were within QC limits.

No analytical or QC problems were encountered with these analyses.

Columbia Analytical Services Inc.

Effective 04/01/96

CAS LIST OF QUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

U - Indicates compound was analyzed for but was not detected. The sample quantitation limit must be corrected for dilution and for percent moisture

J - Indicates an estimated value. For further explanation see case narrative / cover letter.

B - This flag is used when the analyte is found in the associated blank as well as in the sample.

E - This flag identifies compounds whose concentrations exceed the calibration range

A - This flag indicates that a TIC is a suspected aldol-condensation product.

N - Spiked sample recovery not within control limits.
(Flag the entire batch - Inorganic analysis only)

* - Duplicate analysis not within control limits.
(Flag the entire batch - Inorganic analysis only)

\- Also used to qualify Organics QC data outside limits

D - Spike diluted out.

S - Reported value determined by Method of Standard Additions. (MSA)

X - As specified in the case narrative.

CAS Lab ID # for State Certifications

NY ID # in Rochester:	10145	NJ ID # in Rochester:	73004
CT ID # in Rochester:	PH0556	RI ID # in Rochester:	158
MA ID # in Rochester:	M-NY032	NH ID # in Rochester:	294198-A
OH EPA # in Rochester:	VAP	AIHA # in Rochester:	7889

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 01/27/00

Frontier Technical Associates
Project Reference: 1746 DALE RD (ET830)
Client Sample ID : 4A24

Date Sampled : 01/07/00 **Order #:** 353233 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/10/00 **Submission #:** R2000458 **Percent Solid:** 82.3

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/13/00			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACETONE	20	24 U	UG/KG
BENZENE	5.0	6.1 U	UG/KG
BROMODICHLOROMETHANE	5.0	6.1 U	UG/KG
BROMOFORM	5.0	6.1 U	UG/KG
BROMOMETHANE	5.0	6.1 U	UG/KG
2-BUTANONE (MEK)	10	12 U	UG/KG
CARBON DISULFIDE	10	12 U	UG/KG
CARBON TETRACHLORIDE	5.0	6.1 U	UG/KG
CHLOROBENZENE	5.0	6.1 U	UG/KG
CHLOROETHANE	5.0	6.1 U	UG/KG
CHLOROFORM	5.0	6.1 U	UG/KG
CHLOROMETHANE	5.0	6.1 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	6.1 U	UG/KG
1,1-DICHLOROETHANE	5.0	6.1 U	UG/KG
1,2-DICHLOROETHANE	5.0	6.1 U	UG/KG
1,1-DICHLOROETHENE	5.0	6.1 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	6.3	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	6.1 U	UG/KG
1,2-DICHLOROPROPANE	5.0	6.1 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	6.1 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	6.1 U	UG/KG
ETHYLBENZENE	5.0	6.1 U	UG/KG
2-HEXANONE	10	12 U	UG/KG
METHYLENE CHLORIDE	5.0	6.1 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	12 U	UG/KG
STYRENE	5.0	6.1 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	6.1 U	UG/KG
TETRACHLOROETHENE	5.0	410 E	UG/KG
TOLUENE	5.0	6.1 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	6.1 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	6.1 U	UG/KG
TRICHLOROETHENE	5.0	75	UG/KG
VINYL CHLORIDE	5.0	6.1 U	UG/KG
O-XYLENE	5.0	6.1 U	UG/KG
M+P-XYLENE	5.0	6.1 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(74 - 121 %)	91	%
TOLUENE-D8	(81 - 117 %)	103	%
DIBROMOFLUOROMETHANE	(80 - 120 %)	99	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 01/27/00

Frontier Technical Associates
Project Reference: 1746 DALE RD (ET830)
Client Sample ID : 4A24

Date Sampled : 01/07/00 **Order #:** 353233 **Sample Matrix:** SOIL/SEDIMEN
Date Received: 01/10/00 **Submission #:** R2000458 **Percent Solid:** 82.3

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/14/10			
ANALYTICAL DILUTION: 5.00			Dry Weight
ACETONE	20	120 U	UG/KG
BENZENE	5.0	30 U	UG/KG
BROMODICHLOROMETHANE	5.0	30 U	UG/KG
BROMOFORM	5.0	30 U	UG/KG
BROMOMETHANE	5.0	30 U	UG/KG
2-BUTANONE (MEK)	10	61 U	UG/KG
CARBON DISULFIDE	10	61 U	UG/KG
CARBON TETRACHLORIDE	5.0	30 U	UG/KG
CHLOROBENZENE	5.0	30 U	UG/KG
CHLOROETHANE	5.0	30 U	UG/KG
CHLOROFORM	5.0	30 U	UG/KG
CHLOROMETHANE	5.0	30 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	30 U	UG/KG
1,1-DICHLOROETHANE	5.0	30 U	UG/KG
1,2-DICHLOROETHANE	5.0	30 U	UG/KG
1,1-DICHLOROETHENE	5.0	30 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	30 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	30 U	UG/KG
1,2-DICHLOROPROPANE	5.0	30 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	30 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	30 U	UG/KG
ETHYLBENZENE	5.0	30 U	UG/KG
2-HEXANONE	10	61 U	UG/KG
METHYLENE CHLORIDE	5.0	30 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	61 U	UG/KG
STYRENE	5.0	30 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	30 U	UG/KG
TETRACHLOROETHENE	5.0	320	UG/KG
TOLUENE	5.0	30 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	30 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	30 U	UG/KG
TRICHLOROETHENE	5.0	40	UG/KG
VINYL CHLORIDE	5.0	30 U	UG/KG
O-XYLENE	5.0	30 U	UG/KG
M+P-XYLENE	5.0	30 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(74 - 121 %)	91	%
TOLUENE-D8	(81 - 117 %)	101	%
DIBROMOFLUOROMETHANE	(80 - 120 %)	102	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 01/27/00

Frontier Technical Associates
Project Reference: 1746 DALE RD (ET830)
Client Sample ID : 4A46

Date Sampled : 01/07/00 **Order #:** 353234 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/10/00 **Submission #:** R2000458 **Percent Solid:** 79.8

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/12/00			
ANALYTICAL DILUTION: 250.00			Dry Weight
ACETONE	20	6300 U	UG/KG
BENZENE	5.0	1600 U	UG/KG
BROMODICHLOROMETHANE	5.0	1600 U	UG/KG
BROMOFORM	5.0	1600 U	UG/KG
BROMOMETHANE	5.0	1600 U	UG/KG
2-BUTANONE (MEK)	10	3100 U	UG/KG
CARBON DISULFIDE	10	3100 U	UG/KG
CARBON TETRACHLORIDE	5.0	1600 U	UG/KG
CHLOROBENZENE	5.0	1600 U	UG/KG
CHLOROETHANE	5.0	1600 U	UG/KG
CHLOROFORM	5.0	1600 U	UG/KG
CHLOROMETHANE	5.0	1600 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	1600 U	UG/KG
1,1-DICHLOROETHANE	5.0	1600 U	UG/KG
1,2-DICHLOROETHANE	5.0	1600 U	UG/KG
1,1-DICHLOROETHENE	5.0	1600 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	1600 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	1600 U	UG/KG
1,2-DICHLOROPROPANE	5.0	1600 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	1600 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	1600 U	UG/KG
ETHYLBENZENE	5.0	1600 U	UG/KG
2-HEXANONE	10	3100 U	UG/KG
METHYLENE CHLORIDE	5.0	1600 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	3100 U	UG/KG
STYRENE	5.0	1600 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	1600 U	UG/KG
TETRACHLOROETHENE	5.0	130000 E	UG/KG
TOLUENE	5.0	1600 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	1600 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	1600 U	UG/KG
TRICHLOROETHENE	5.0	33000	UG/KG
VINYL CHLORIDE	5.0	1600 U	UG/KG
O-XYLENE	5.0	1600 U	UG/KG
M+P-XYLENE	5.0	1600 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(74 - 121 %)	101	%
TOLUENE-D8	(81 - 117 %)	100	%
DIBROMOFLUOROMETHANE	(80 - 120 %)	100	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 01/27/00

Frontier Technical Associates
Project Reference: 1746 DALE RD (ET830)
Client Sample ID : 4A46

Date Sampled : 01/07/00 **Order #:** 353234 **Sample Matrix:** SOIL/SEDIME
Date Received: 01/10/00 **Submission #:** R2000458 **Percent Solid:** 79.8

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/12/10			
ANALYTICAL DILUTION: 625.00			Dry Weight
ACETONE	20	16000 U	UG/KG
BENZENE	5.0	3900 U	UG/KG
BROMODICHLOROMETHANE	5.0	3900 U	UG/KG
BROMOFORM	5.0	3900 U	UG/KG
BROMOMETHANE	5.0	3900 U	UG/KG
2-BUTANONE (MEK)	10	7800 U	UG/KG
CARBON DISULFIDE	10	7800 U	UG/KG
CARBON TETRACHLORIDE	5.0	3900 U	UG/KG
CHLOROBENZENE	5.0	3900 U	UG/KG
CHLOROETHANE	5.0	3900 U	UG/KG
CHLOROFORM	5.0	3900 U	UG/KG
CHLOROMETHANE	5.0	3900 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	3900 U	UG/KG
1,1-DICHLOROETHANE	5.0	3900 U	UG/KG
1,2-DICHLOROETHANE	5.0	3900 U	UG/KG
1,1-DICHLOROETHENE	5.0	3900 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	3900 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	3900 U	UG/KG
1,2-DICHLOROPROPANE	5.0	3900 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	3900 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	3900 U	UG/KG
ETHYLBENZENE	5.0	3900 U	UG/KG
2-HEXANONE	10	7800 U	UG/KG
METHYLENE CHLORIDE	5.0	3900 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	7800 U	UG/KG
STYRENE	5.0	3900 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	3900 U	UG/KG
TETRACHLOROETHENE	5.0	130000	UG/KG
TOLUENE	5.0	3900 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	3900 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	3900 U	UG/KG
TRICHLOROETHENE	5.0	34000	UG/KG
VINYL CHLORIDE	5.0	3900 U	UG/KG
O-XYLENE	5.0	3900 U	UG/KG
M+P-XYLENE	5.0	3900 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(74 - 121 %)	98	%
TOLUENE-D8	(81 - 117 %)	101	%
DIBROMOFLUOROMETHANE	(80 - 120 %)	106	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 01/27/00

Frontier Technical Associates
Project Reference: 1746 DALE RD (ET830)
Client Sample ID : 4A68

Date Sampled : 01/07/00 **Order #:** 353235 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/10/00 **Submission #:** R2000458 **Percent Solid:** 83.2

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/12/00			
ANALYTICAL DILUTION: 625.00			Dry Weight
ACETONE	20	15000 U	UG/KG
BENZENE	5.0	3800 U	UG/KG
BROMODICHLOROMETHANE	5.0	3800 U	UG/KG
BROMOFORM	5.0	3800 U	UG/KG
BROMOMETHANE	5.0	3800 U	UG/KG
2-BUTANONE (MEK)	10	7500 U	UG/KG
CARBON DISULFIDE	10	7500 U	UG/KG
CARBON TETRACHLORIDE	5.0	3800 U	UG/KG
CHLOROBENZENE	5.0	3800 U	UG/KG
CHLOROETHANE	5.0	3800 U	UG/KG
CHLOROFORM	5.0	3800 U	UG/KG
CHLOROMETHANE	5.0	3800 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	3800 U	UG/KG
1,1-DICHLOROETHANE	5.0	3800 U	UG/KG
1,2-DICHLOROETHANE	5.0	3800 U	UG/KG
1,1-DICHLOROETHENE	5.0	3800 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	8100	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	3800 U	UG/KG
1,2-DICHLOROPROPANE	5.0	3800 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	3800 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	3800 U	UG/KG
ETHYLBENZENE	5.0	3800 U	UG/KG
2-HEXANONE	10	7500 U	UG/KG
METHYLENE CHLORIDE	5.0	3800 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	7500 U	UG/KG
STYRENE	5.0	3800 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	3800 U	UG/KG
TETRACHLOROETHENE	5.0	73000	UG/KG
TOLUENE	5.0	3800 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	3800 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	3800 U	UG/KG
TRICHLOROETHENE	5.0	240000 E	UG/KG
VINYL CHLORIDE	5.0	3800 U	UG/KG
O-XYLENE	5.0	3800 U	UG/KG
M+P-XYLENE	5.0	3800 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(74 - 121 %)	94	%
TOLUENE-D8	(81 - 117 %)	98	%
DIBROMOFLUOROMETHANE	(80 - 120 %)	103	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 01/27/00

Frontier Technical Associates
Project Reference: 1746 DALE RD (ET830)
Client Sample ID : 4A68

Date Sampled : 01/07/00 **Order #:** 353235 **Sample Matrix:** SOIL/SEDIMEN
Date Received: 01/10/00 **Submission #:** R2000458 **Percent Solid:** 83.2

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/12/10			
ANALYTICAL DILUTION: 1250.00			Dry Weight
ACETONE	20	30000 U	UG/KG
BENZENE	5.0	7500 U	UG/KG
BROMODICHLOROMETHANE	5.0	7500 U	UG/KG
BROMOFORM	5.0	7500 U	UG/KG
BROMOMETHANE	5.0	7500 U	UG/KG
2-BUTANONE (MEK)	10	15000 U	UG/KG
CARBON DISULFIDE	10	15000 U	UG/KG
CARBON TETRACHLORIDE	5.0	7500 U	UG/KG
CHLOROBENZENE	5.0	7500 U	UG/KG
CHLOROETHANE	5.0	7500 U	UG/KG
CHLOROFORM	5.0	7500 U	UG/KG
CHLOROMETHANE	5.0	7500 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	7500 U	UG/KG
1,1-DICHLOROETHANE	5.0	7500 U	UG/KG
1,2-DICHLOROETHANE	5.0	7500 U	UG/KG
1,1-DICHLOROETHENE	5.0	7500 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	7700	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	7500 U	UG/KG
1,2-DICHLOROPROPANE	5.0	7500 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	7500 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	7500 U	UG/KG
ETHYLBENZENE	5.0	7500 U	UG/KG
2-HEXANONE	10	15000 U	UG/KG
METHYLENE CHLORIDE	5.0	7500 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	15000 U	UG/KG
STYRENE	5.0	7500 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	7500 U	UG/KG
TETRACHLOROETHENE	5.0	70000	UG/KG
TOLUENE	5.0	7500 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	7500 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	7500 U	UG/KG
TRICHLOROETHENE	5.0	240000	UG/KG
VINYL CHLORIDE	5.0	7500 U	UG/KG
O-XYLENE	5.0	7500 U	UG/KG
M+P-XYLENE	5.0	7500 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(74 - 121 %)	98	%
TOLUENE-D8	(81 - 117 %)	101	%
DIBROMOFLUOROMETHANE	(80 - 120 %)	108	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 01/28/00

Frontier Technical Associates
Project Reference: 1746 DALE RD (ET830)
Client Sample ID : 4A810

Date Sampled : 01/07/00 **Order #:** 353236 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/10/00 **Submission #:** R2000458 **Percent Solid:** 81.2

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/11/00			
ANALYTICAL DILUTION: 125.00			Dry Weight
ACETONE	20	3100 U	UG/KG
BENZENE	5.0	770 U	UG/KG
BROMODICHLOROMETHANE	5.0	770 U	UG/KG
BROMOFORM	5.0	770 U	UG/KG
BROMOMETHANE	5.0	770 U	UG/KG
2-BUTANONE (MEK)	10	1500 U	UG/KG
CARBON DISULFIDE	10	1500 U	UG/KG
CARBON TETRACHLORIDE	5.0	770 U	UG/KG
CHLOROBENZENE	5.0	770 U	UG/KG
CHLOROETHANE	5.0	770 U	UG/KG
CHLOROFORM	5.0	770 U	UG/KG
CHLOROMETHANE	5.0	770 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	770 U	UG/KG
1,1-DICHLOROETHANE	5.0	770 U	UG/KG
1,2-DICHLOROETHANE	5.0	770 U	UG/KG
1,1-DICHLOROETHENE	5.0	770 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	4100	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	770 U	UG/KG
1,2-DICHLOROPROPANE	5.0	770 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	770 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	770 U	UG/KG
ETHYLBENZENE	5.0	770 U	UG/KG
2-HEXANONE	10	1500 U	UG/KG
METHYLENE CHLORIDE	5.0	770 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	1500 U	UG/KG
STYRENE	5.0	770 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	770 U	UG/KG
TETRACHLOROETHENE	5.0	4900	UG/KG
TOLUENE	5.0	770 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	770 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	770 U	UG/KG
TRICHLOROETHENE	5.0	37000 E	UG/KG
VINYL CHLORIDE	5.0	770 U	UG/KG
O-XYLENE	5.0	770 U	UG/KG
M+P-XYLENE	5.0	770 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(74 - 121 %)	100	%
TOLUENE-D8	(81 - 117 %)	99	%
DIBROMOFLUOROMETHANE	(80 - 120 %)	96	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 01/27/00

Frontier Technical Associates
Project Reference: 1746 DALE RD (ET830)
Client Sample ID : 4A810

Date Sampled : 01/07/00 **Order #:** 353236 **Sample Matrix:** SOIL/SEDIMEN
Date Received: 01/10/00 **Submission #:** R2000458 **Percent Solid:** 81.2

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/12/10			
ANALYTICAL DILUTION: 500.00			Dry Weight
ACETONE	20	12000 U	UG/KG
BENZENE	5.0	3100 U	UG/KG
BROMODICHLOROMETHANE	5.0	3100 U	UG/KG
BROMOFORM	5.0	3100 U	UG/KG
BROMOMETHANE	5.0	3100 U	UG/KG
2-BUTANONE (MEK)	10	6200 U	UG/KG
CARBON DISULFIDE	10	6200 U	UG/KG
CARBON TETRACHLORIDE	5.0	3100 U	UG/KG
CHLOROBENZENE	5.0	3100 U	UG/KG
CHLOROETHANE	5.0	3100 U	UG/KG
CHLOROFORM	5.0	3100 U	UG/KG
CHLOROMETHANE	5.0	3100 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	3100 U	UG/KG
1,1-DICHLOROETHANE	5.0	3100 U	UG/KG
1,2-DICHLOROETHANE	5.0	3100 U	UG/KG
1,1-DICHLOROETHENE	5.0	3100 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	4700	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	3100 U	UG/KG
1,2-DICHLOROPROPANE	5.0	3100 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	3100 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	3100 U	UG/KG
ETHYLBENZENE	5.0	3100 U	UG/KG
2-HEXANONE	10	6200 U	UG/KG
METHYLENE CHLORIDE	5.0	3100 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	6200 U	UG/KG
STYRENE	5.0	3100 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	3100 U	UG/KG
TETRACHLOROETHENE	5.0	6300	UG/KG
TOLUENE	5.0	3100 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	3100 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	3100 U	UG/KG
TRICHLOROETHENE	5.0	48000	UG/KG
VINYL CHLORIDE	5.0	3100 U	UG/KG
O-XYLENE	5.0	3100 U	UG/KG
M+P-XYLENE	5.0	3100 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(74 - 121 %)	94	%
TOLUENE-D8	(81 - 117 %)	100	%
DIBROMOFLUOROMETHANE	(80 - 120 %)	105	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 01/27/00

Frontier Technical Associates
Project Reference: 1746 DALE RD (ET830)
Client Sample ID : 4A1416

Date Sampled : 01/07/00 **Order #:** 353237 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/10/00 **Submission #:** R2000458 **Percent Solid:** 88.9

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/13/00			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACETONE	20	22 U	UG/KG
BENZENE	5.0	5.6 U	UG/KG
BROMODICHLOROMETHANE	5.0	5.6 U	UG/KG
BROMOFORM	5.0	5.6 U	UG/KG
BROMOMETHANE	5.0	5.6 U	UG/KG
2-BUTANONE (MEK)	10	11 U	UG/KG
CARBON DISULFIDE	10	11 U	UG/KG
CARBON TETRACHLORIDE	5.0	5.6 U	UG/KG
CHLOROBENZENE	5.0	5.6 U	UG/KG
CHLOROETHANE	5.0	5.6 U	UG/KG
CHLOROFORM	5.0	5.6 U	UG/KG
CHLOROMETHANE	5.0	5.6 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	5.6 U	UG/KG
1,1-DICHLOROETHANE	5.0	5.6 U	UG/KG
1,2-DICHLOROETHANE	5.0	5.6 U	UG/KG
1,1-DICHLOROETHENE	5.0	5.6 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	5.6 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	5.6 U	UG/KG
1,2-DICHLOROPROPANE	5.0	5.6 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	5.6 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	5.6 U	UG/KG
ETHYLBENZENE	5.0	5.6 U	UG/KG
2-HEXANONE	10	11 U	UG/KG
METHYLENE CHLORIDE	5.0	5.6 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	11 U	UG/KG
STYRENE	5.0	5.6 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	5.6 U	UG/KG
TETRACHLOROETHENE	5.0	25	UG/KG
TOLUENE	5.0	5.6 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	5.6 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	5.6 U	UG/KG
TRICHLOROETHENE	5.0	22	UG/KG
VINYL CHLORIDE	5.0	5.6 U	UG/KG
O-XYLENE	5.0	5.6 U	UG/KG
M+P-XYLENE	5.0	5.6 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(74 - 121 %)	84	%
TOLUENE-D8	(81 - 117 %)	99	%
DIBROMOFLUOROMETHANE	(80 - 120 %)	102	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 01/27/00

Frontier Technical Associates
Project Reference: 1746 DALE RD (ET830)
Client Sample ID : 4A1820

Date Sampled : 01/07/00 **Order #:** 353238 **Sample Matrix:** SOIL/SEDIME
Date Received: 01/10/00 **Submission #:** R2000458 **Percent Solid:** 91.3

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/13/00			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACETONE	20	22 U	UG/KG
BENZENE	5.0	5.5 U	UG/KG
BROMODICHLOROMETHANE	5.0	5.5 U	UG/KG
BROMOFORM	5.0	5.5 U	UG/KG
BROMOMETHANE	5.0	5.5 U	UG/KG
2-BUTANONE (MEK)	10	11 U	UG/KG
CARBON DISULFIDE	10	11 U	UG/KG
CARBON TETRACHLORIDE	5.0	5.5 U	UG/KG
CHLOROBENZENE	5.0	5.5 U	UG/KG
CHLOROETHANE	5.0	5.5 U	UG/KG
CHLOROFORM	5.0	5.5 U	UG/KG
CHLOROMETHANE	5.0	5.5 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	5.5 U	UG/KG
1,1-DICHLOROETHANE	5.0	5.5 U	UG/KG
1,2-DICHLOROETHANE	5.0	5.5 U	UG/KG
1,1-DICHLOROETHENE	5.0	5.5 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	6.9	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	5.5 U	UG/KG
1,2-DICHLOROPROPANE	5.0	5.5 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	5.5 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	5.5 U	UG/KG
ETHYLBENZENE	5.0	5.5 U	UG/KG
2-HEXANONE	10	11 U	UG/KG
METHYLENE CHLORIDE	5.0	5.5 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	11 U	UG/KG
STYRENE	5.0	5.5 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	5.5 U	UG/KG
TETRACHLOROETHENE	5.0	7.8	UG/KG
TOLUENE	5.0	5.5 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	5.5 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	5.5 U	UG/KG
TRICHLOROETHENE	5.0	41	UG/KG
VINYL CHLORIDE	5.0	5.5 U	UG/KG
O-XYLENE	5.0	5.5 U	UG/KG
M+P-XYLENE	5.0	5.5 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(74 - 121 %)	82	%
TOLUENE-D8	(81 - 117 %)	100	%
DIBROMOFLUOROMETHANE	(80 - 120 %)	106	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 01/27/00

Frontier Technical Associates
Project Reference: 1746 DALE RD (ET830)
Client Sample ID : 5A24

Date Sampled : 01/06/00 **Order #:** 353239 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/10/00 **Submission #:** R2000458 **Percent Solid:** 91.4

DATE ANALYZED : 01/11/00
ANALYTICAL DILUTION: 125.00

ANALYTE	PQL	RESULT	UNITS
			Dry Weight
ACETONE	20	2700 U	UG/KG
BENZENE	5.0	680 U	UG/KG
BROMODICHLOROMETHANE	5.0	680 U	UG/KG
BROMOFORM	5.0	680 U	UG/KG
BROMOMETHANE	5.0	680 U	UG/KG
2-BUTANONE (MEK)	10	1400 U	UG/KG
CARBON DISULFIDE	10	1400 U	UG/KG
CARBON TETRACHLORIDE	5.0	680 U	UG/KG
CHLOROBENZENE	5.0	680 U	UG/KG
CHLOROETHANE	5.0	680 U	UG/KG
CHLOROFORM	5.0	680 U	UG/KG
CHLOROMETHANE	5.0	680 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	680 U	UG/KG
1,1-DICHLOROETHANE	5.0	680 U	UG/KG
1,2-DICHLOROETHANE	5.0	680 U	UG/KG
1,1-DICHLOROETHENE	5.0	680 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	680 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	680 U	UG/KG
1,2-DICHLOROPROPANE	5.0	680 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	680 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	680 U	UG/KG
ETHYLBENZENE	5.0	680 U	UG/KG
2-HEXANONE	10	1400 U	UG/KG
METHYLENE CHLORIDE	5.0	680 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	1400 U	UG/KG
STYRENE	5.0	680 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	680 U	UG/KG
TETRACHLOROETHENE	5.0	680 U	UG/KG
TOLUENE	5.0	680 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	680 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	680 U	UG/KG
TRICHLOROETHENE	5.0	260 J	UG/KG
VINYL CHLORIDE	5.0	680 U	UG/KG
O-XYLENE	5.0	680 U	UG/KG
M+P-XYLENE	5.0	680 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(74 - 121 %)	100	%
TOLUENE-D8	(81 - 117 %)	100	%
DIBROMOFLUOROMETHANE	(80 - 120 %)	97	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 01/27/00

Frontier Technical Associates
Project Reference: 1746 DALE RD (ET830)
Client Sample ID : 5A46

Date Sampled : 01/06/00 **Order #:** 353240 **Sample Matrix:** SOIL/SEDIMEN
Date Received: 01/10/00 **Submission #:** R2000458 **Percent Solid:** 86.6

DATE ANALYZED : 01/13/00
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
			Dry Weight
ACETONE	20	23 U	UG/KG
BENZENE	5.0	5.8 U	UG/KG
BROMODICHLOROMETHANE	5.0	5.8 U	UG/KG
BROMOFORM	5.0	5.8 U	UG/KG
BROMOMETHANE	5.0	5.8 U	UG/KG
2-BUTANONE (MEK)	10	12 U	UG/KG
CARBON DISULFIDE	10	12 U	UG/KG
CARBON TETRACHLORIDE	5.0	5.8 U	UG/KG
CHLOROBENZENE	5.0	5.8 U	UG/KG
CHLOROETHANE	5.0	5.8 U	UG/KG
CHLOROFORM	5.0	5.8 U	UG/KG
CHLOROMETHANE	5.0	5.8 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	5.8 U	UG/KG
1,1-DICHLOROETHANE	5.0	5.8 U	UG/KG
1,2-DICHLOROETHANE	5.0	5.8 U	UG/KG
1,1-DICHLOROETHENE	5.0	5.8 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	14	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	5.8 U	UG/KG
1,2-DICHLOROPROPANE	5.0	5.8 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	5.8 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	5.8 U	UG/KG
ETHYLBENZENE	5.0	5.8 U	UG/KG
2-HEXANONE	10	12 U	UG/KG
METHYLENE CHLORIDE	5.0	5.8 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	12 U	UG/KG
STYRENE	5.0	5.8 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	5.8 U	UG/KG
TETRACHLOROETHENE	5.0	5.8 U	UG/KG
TOLUENE	5.0	5.8 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	5.8 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	5.8 U	UG/KG
TRICHLOROETHENE	5.0	43	UG/KG
VINYL CHLORIDE	5.0	5.8 U	UG/KG
O-XYLENE	5.0	5.8 U	UG/KG
M+P-XYLENE	5.0	5.8 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(74 - 121 %)	99	%
TOLUENE-D8	(81 - 117 %)	103	%
DIBROMOFLUOROMETHANE	(80 - 120 %)	102	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 01/27/00

Frontier Technical Associates
Project Reference: 1746 DALE RD (ET830)
Client Sample ID : 5A68

Date Sampled : 01/06/00 **Order #:** 353241 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/10/00 **Submission #:** R2000458 **Percent Solid:** 81.8

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/13/00			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACETONE	20	24 U	UG/KG
BENZENE	5.0	6.1 U	UG/KG
BROMODICHLOROMETHANE	5.0	6.1 U	UG/KG
BROMOFORM	5.0	6.1 U	UG/KG
BROMOMETHANE	5.0	6.1 U	UG/KG
2-BUTANONE (MEK)	10	12 U	UG/KG
CARBON DISULFIDE	10	12 U	UG/KG
CARBON TETRACHLORIDE	5.0	6.1 U	UG/KG
CHLOROBENZENE	5.0	6.1 U	UG/KG
CHLOROETHANE	5.0	6.1 U	UG/KG
CHLOROFORM	5.0	6.1 U	UG/KG
CHLOROMETHANE	5.0	6.1 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	6.1 U	UG/KG
1,1-DICHLOROETHANE	5.0	2000 E	UG/KG
1,2-DICHLOROETHANE	5.0	150	UG/KG
1,1-DICHLOROETHENE	5.0	330 E	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	160	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	6.1 U	UG/KG
1,2-DICHLOROPROPANE	5.0	6.1 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	6.1 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	6.1 U	UG/KG
ETHYLBENZENE	5.0	6.1 U	UG/KG
2-HEXANONE	10	12 U	UG/KG
METHYLENE CHLORIDE	5.0	6.1 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	12 U	UG/KG
STYRENE	5.0	6.1 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	6.1 U	UG/KG
TETRACHLOROETHENE	5.0	6.1 U	UG/KG
TOLUENE	5.0	6.1 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	6.1 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	6.1 U	UG/KG
TRICHLOROETHENE	5.0	620 E	UG/KG
VINYL CHLORIDE	5.0	24	UG/KG
O-XYLENE	5.0	6.1 U	UG/KG
M+P-XYLENE	5.0	6.1 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(74 - 121 %)	68	%
TOLUENE-D8	(81 - 117 %)	96	%
DIBROMOFLUOROMETHANE	(80 - 120 %)	109	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 01/27/00

Frontier Technical Associates
Project Reference: 1746 DALE RD (ET830)
Client Sample ID : 5A68

Date Sampled : 01/06/00 **Order #:** 353241 **Sample Matrix:** SOIL/SEDIMEN
Date Received: 01/10/00 **Submission #:** R2000458 **Percent Solid:** 81.8

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/18/10			
ANALYTICAL DILUTION: 125.00			Dry Weight
ACETONE	20	3100 U	UG/KG
BENZENE	5.0	760 U	UG/KG
BROMODICHLOROMETHANE	5.0	760 U	UG/KG
BROMOFORM	5.0	760 U	UG/KG
BROMOMETHANE	5.0	760 U	UG/KG
2-BUTANONE (MEK)	10	1500 U	UG/KG
CARBON DISULFIDE	10	1500 U	UG/KG
CARBON TETRACHLORIDE	5.0	760 U	UG/KG
CHLOROBENZENE	5.0	760 U	UG/KG
CHLOROETHANE	5.0	760 U	UG/KG
CHLOROFORM	5.0	760 U	UG/KG
CHLOROMETHANE	5.0	760 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	760 U	UG/KG
1,1-DICHLOROETHANE	5.0	2100	UG/KG
1,2-DICHLOROETHANE	5.0	760 U	UG/KG
1,1-DICHLOROETHENE	5.0	760 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	760 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	760 U	UG/KG
1,2-DICHLOROPROPANE	5.0	760 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	760 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	760 U	UG/KG
ETHYLBENZENE	5.0	760 U	UG/KG
2-HEXANONE	10	1500 U	UG/KG
METHYLENE CHLORIDE	5.0	760 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	1500 U	UG/KG
STYRENE	5.0	760 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	760 U	UG/KG
TETRACHLOROETHENE	5.0	760 U	UG/KG
TOLUENE	5.0	760 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	760 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	760 U	UG/KG
TRICHLOROETHENE	5.0	2100	UG/KG
VINYL CHLORIDE	5.0	760 U	UG/KG
O-XYLENE	5.0	760 U	UG/KG
M+P-XYLENE	5.0	760 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(74 - 121 %)	99	%
TOLUENE-D8	(81 - 117 %)	103	%
DIBROMOFLUOROMETHANE	(80 - 120 %)	102	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 01/27/00

Frontier Technical Associates
Project Reference: 1746 DALE RD (ET830)
Client Sample ID : 5A810

Date Sampled : 01/06/00 **Order #:** 353242 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/10/00 **Submission #:** R2000458 **Percent Solid:** 82.7

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/13/00			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACETONE	20	24 U	UG/KG
BENZENE	5.0	6.0 U	UG/KG
BROMODICHLOROMETHANE	5.0	6.0 U	UG/KG
BROMOFORM	5.0	6.0 U	UG/KG
BROMOMETHANE	5.0	6.0 U	UG/KG
2-BUTANONE (MEK)	10	12 U	UG/KG
CARBON DISULFIDE	10	12 U	UG/KG
CARBON TETRACHLORIDE	5.0	6.0 U	UG/KG
CHLOROBENZENE	5.0	6.0 U	UG/KG
CHLOROETHANE	5.0	6.0 U	UG/KG
CHLOROFORM	5.0	6.0 U	UG/KG
CHLOROMETHANE	5.0	6.0 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	6.0 U	UG/KG
1,1-DICHLOROETHANE	5.0	2400 E	UG/KG
1,2-DICHLOROETHANE	5.0	110	UG/KG
1,1-DICHLOROETHENE	5.0	6.0 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	8.1	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	6.0 U	UG/KG
1,2-DICHLOROPROPANE	5.0	6.0 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	6.0 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	6.0 U	UG/KG
ETHYLBENZENE	5.0	6.0 U	UG/KG
2-HEXANONE	10	12 U	UG/KG
METHYLENE CHLORIDE	5.0	6.0 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	12 U	UG/KG
STYRENE	5.0	6.0 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	6.0 U	UG/KG
TETRACHLOROETHENE	5.0	6.0 U	UG/KG
TOLUENE	5.0	6.0 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	6.0 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	6.0 U	UG/KG
TRICHLOROETHENE	5.0	17	UG/KG
VINYL CHLORIDE	5.0	6.0 U	UG/KG
O-XYLENE	5.0	6.0 U	UG/KG
M+P-XYLENE	5.0	6.0 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(74 - 121 %)	80	%
TOLUENE-D8	(81 - 117 %)	98	%
DIBROMOFLUOROMETHANE	(80 - 120 %)	111	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 01/27/00

Frontier Technical Associates
Project Reference: 1746 DALE RD (ET830)
Client Sample ID : 5A810

Date Sampled : 01/06/00 **Order #:** 353242 **Sample Matrix:** SOIL/SEDIMEN
Date Received: 01/10/00 **Submission #:** R2000458 **Percent Solid:** 82.7

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/18/10			
ANALYTICAL DILUTION: 125.00			Dry Weight
ACETONE	20	3000 U	UG/KG
BENZENE	5.0	760 U	UG/KG
BROMODICHLOROMETHANE	5.0	760 U	UG/KG
BROMOFORM	5.0	760 U	UG/KG
BROMOMETHANE	5.0	760 U	UG/KG
2-BUTANONE (MEK)	10	1500 U	UG/KG
CARBON DISULFIDE	10	1500 U	UG/KG
CARBON TETRACHLORIDE	5.0	760 U	UG/KG
CHLOROBENZENE	5.0	760 U	UG/KG
CHLOROETHANE	5.0	760 U	UG/KG
CHLOROFORM	5.0	760 U	UG/KG
CHLOROMETHANE	5.0	760 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	760 U	UG/KG
1,1-DICHLOROETHANE	5.0	2100	UG/KG
1,2-DICHLOROETHANE	5.0	760 U	UG/KG
1,1-DICHLOROETHENE	5.0	760 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	760 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	760 U	UG/KG
1,2-DICHLOROPROPANE	5.0	760 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	760 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	760 U	UG/KG
ETHYLBENZENE	5.0	760 U	UG/KG
2-HEXANONE	10	1500 U	UG/KG
METHYLENE CHLORIDE	5.0	760 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	1500 U	UG/KG
STYRENE	5.0	760 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	760 U	UG/KG
TETRACHLOROETHENE	5.0	760 U	UG/KG
TOLUENE	5.0	760 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	760 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	760 U	UG/KG
TRICHLOROETHENE	5.0	760 U	UG/KG
VINYL CHLORIDE	5.0	760 U	UG/KG
O-XYLENE	5.0	760 U	UG/KG
M+P-XYLENE	5.0	760 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(74 - 121 %)	98	%
TOLUENE-D8	(81 - 117 %)	103	%
DIBROMOFLUOROMETHANE	(80 - 120 %)	103	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 01/27/00

Frontier Technical Associates
Project Reference: 1746 DALE RD (ET830)
Client Sample ID : 5A1416

Date Sampled : 01/06/00 **Order #:** 353243 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/10/00 **Submission #:** R2000458 **Percent Solid:** 85.6

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/14/00			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACETONE	20	23 U	UG/KG
BENZENE	5.0	5.8 U	UG/KG
BROMODICHLOROMETHANE	5.0	5.8 U	UG/KG
BROMOFORM	5.0	5.8 U	UG/KG
BROMOMETHANE	5.0	5.8 U	UG/KG
2-BUTANONE (MEK)	10	12 U	UG/KG
CARBON DISULFIDE	10	12 U	UG/KG
CARBON TETRACHLORIDE	5.0	5.8 U	UG/KG
CHLOROBENZENE	5.0	5.8 U	UG/KG
CHLOROETHANE	5.0	5.8 U	UG/KG
CHLOROFORM	5.0	5.8 U	UG/KG
CHLOROMETHANE	5.0	5.8 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	5.8 U	UG/KG
1,1-DICHLOROETHANE	5.0	5.8 U	UG/KG
1,2-DICHLOROETHANE	5.0	5.8 U	UG/KG
1,1-DICHLOROETHENE	5.0	5.8 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	5.8 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	5.8 U	UG/KG
1,2-DICHLOROPROPANE	5.0	5.8 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	5.8 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	5.8 U	UG/KG
ETHYLBENZENE	5.0	5.8 U	UG/KG
2-HEXANONE	10	12 U	UG/KG
METHYLENE CHLORIDE	5.0	5.8 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	12 U	UG/KG
STYRENE	5.0	5.8 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	5.8 U	UG/KG
TETRACHLOROETHENE	5.0	5.8 U	UG/KG
TOLUENE	5.0	5.8 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	5.8 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	5.8 U	UG/KG
TRICHLOROETHENE	5.0	5.8 U	UG/KG
VINYL CHLORIDE	5.0	5.8 U	UG/KG
O-XYLENE	5.0	5.8 U	UG/KG
M+P-XYLENE	5.0	5.8 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(74 - 121 %)	78	%
TOLUENE-D8	(81 - 117 %)	97	%
DIBROMOFLUOROMETHANE	(80 - 120 %)	105	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 01/27/00

Frontier Technical Associates
Project Reference: 1746 DALE RD (ET830)
Client Sample ID : 5A1820

Date Sampled : 01/06/00 **Order #:** 353244 **Sample Matrix:** SOIL/SEDI
Date Received: 01/10/00 **Submission #:** R2000458 **Percent Solid:** 86.5

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/14/00			
ANALYTICAL DILUTION: 1.00			Dry Weig
ACETONE	20	23 U	UG/KG
BENZENE	5.0	5.8 U	UG/KG
BROMODICHLOROMETHANE	5.0	5.8 U	UG/KG
BROMOFORM	5.0	5.8 U	UG/KG
BROMOMETHANE	5.0	5.8 U	UG/KG
2-BUTANONE (MEK)	10	12 U	UG/KG
CARBON DISULFIDE	10	12 U	UG/KG
CARBON TETRACHLORIDE	5.0	5.8 U	UG/KG
CHLOROBENZENE	5.0	5.8 U	UG/KG
CHLOROETHANE	5.0	5.8 U	UG/KG
CHLOROFORM	5.0	5.8 U	UG/KG
CHLOROMETHANE	5.0	5.8 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	5.8 U	UG/KG
1,1-DICHLOROETHANE	5.0	7.2	UG/KG
1,2-DICHLOROETHANE	5.0	5.8 U	UG/KG
1,1-DICHLOROETHENE	5.0	5.8 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	5.8 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	5.8 U	UG/KG
1,2-DICHLOROPROPANE	5.0	5.8 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	5.8 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	5.8 U	UG/KG
ETHYLBENZENE	5.0	5.8 U	UG/KG
2-HEXANONE	10	12 U	UG/KG
METHYLENE CHLORIDE	5.0	5.8 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	12 U	UG/KG
STYRENE	5.0	5.8 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	5.8 U	UG/KG
TETRACHLOROETHENE	5.0	5.8 U	UG/KG
TOLUENE	5.0	5.8 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	5.8 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	5.8 U	UG/KG
TRICHLOROETHENE	5.0	11	UG/KG
VINYL CHLORIDE	5.0	5.8 U	UG/KG
O-XYLENE	5.0	5.8 U	UG/KG
M+P-XYLENE	5.0	5.8 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(74 - 121 %)	82	%
TOLUENE-D8	(81 - 117 %)	98	%
DIBROMOFLUOROMETHANE	(80 - 120 %)	103	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 01/27/00

Frontier Technical Associates
Project Reference: 1746 DALE RD (ET830)
Client Sample ID : 6A24

Date Sampled : 01/06/00 **Order #:** 353245 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/10/00 **Submission #:** R2000458 **Percent Solid:** 83.0

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/14/00			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACETONE	20	24 U	UG/KG
BENZENE	5.0	6.0 U	UG/KG
BROMODICHLOROMETHANE	5.0	6.0 U	UG/KG
BROMOFORM	5.0	6.0 U	UG/KG
BROMOMETHANE	5.0	6.0 U	UG/KG
2-BUTANONE (MEK)	10	12 U	UG/KG
CARBON DISULFIDE	10	12 U	UG/KG
CARBON TETRACHLORIDE	5.0	6.0 U	UG/KG
CHLOROBENZENE	5.0	6.0 U	UG/KG
CHLOROETHANE	5.0	6.0 U	UG/KG
CHLOROFORM	5.0	6.0 U	UG/KG
CHLOROMETHANE	5.0	6.0 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	6.0 U	UG/KG
1,1-DICHLOROETHANE	5.0	6.0 U	UG/KG
1,2-DICHLOROETHANE	5.0	6.0 U	UG/KG
1,1-DICHLOROETHENE	5.0	6.0 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	6.0 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	6.0 U	UG/KG
1,2-DICHLOROPROPANE	5.0	6.0 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	6.0 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	6.0 U	UG/KG
ETHYLBENZENE	5.0	6.0 U	UG/KG
2-HEXANONE	10	12 U	UG/KG
METHYLENE CHLORIDE	5.0	6.0 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	12 U	UG/KG
STYRENE	5.0	6.0 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	6.0 U	UG/KG
TETRACHLOROETHENE	5.0	6.0 U	UG/KG
TOLUENE	5.0	6.0 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	6.0 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	6.0 U	UG/KG
TRICHLOROETHENE	5.0	18	UG/KG
VINYL CHLORIDE	5.0	6.0 U	UG/KG
O-XYLENE	5.0	6.0 U	UG/KG
M+P-XYLENE	5.0	6.0 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(74 - 121 %)	89	%
TOLUENE-D8	(81 - 117 %)	101	%
DIBROMOFLUOROMETHANE	(80 - 120 %)	106	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 01/27/00

Frontier Technical Associates
Project Reference: 1746 DALE RD (ET830)
Client Sample ID : 6A46

Date Sampled : 01/06/00 **Order #:** 353246 **Sample Matrix:** SOIL/SED
Date Received: 01/10/00 **Submission #:** R2000458 **Percent Solid:** 80.8

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/11/00			
ANALYTICAL DILUTION: 125.00			Dry Wei
ACETONE	20	3100 U	UG/KG
BENZENE	5.0	770 U	UG/KG
BROMODICHLOROMETHANE	5.0	770 U	UG/KG
BROMOFORM	5.0	770 U	UG/KG
BROMOMETHANE	5.0	770 U	UG/KG
2-BUTANONE (MEK)	10	1500 U	UG/KG
CARBON DISULFIDE	10	1500 U	UG/KG
CARBON TETRACHLORIDE	5.0	770 U	UG/KG
CHLOROBENZENE	5.0	770 U	UG/KG
CHLOROETHANE	5.0	770 U	UG/KG
CHLOROFORM	5.0	770 U	UG/KG
CHLOROMETHANE	5.0	770 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	770 U	UG/KG
1,1-DICHLOROETHANE	5.0	770 U	UG/KG
1,2-DICHLOROETHANE	5.0	770 U	UG/KG
1,1-DICHLOROETHENE	5.0	770 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	1400	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	770 U	UG/KG
1,2-DICHLOROPROPANE	5.0	770 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	770 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	770 U	UG/KG
ETHYLBENZENE	5.0	770 U	UG/KG
2-HEXANONE	10	1500 U	UG/KG
METHYLENE CHLORIDE	5.0	770 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	1500 U	UG/KG
STYRENE	5.0	770 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	770 U	UG/KG
TETRACHLOROETHENE	5.0	770 U	UG/KG
TOLUENE	5.0	770 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	770 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	770 U	UG/KG
TRICHLOROETHENE	5.0	28000	UG/KG
VINYL CHLORIDE	5.0	770 U	UG/KG
O-XYLENE	5.0	770 U	UG/KG
M+P-XYLENE	5.0	770 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(74 - 121 %)	99	%
TOLUENE-D8	(81 - 117 %)	99	%
DIBROMOFLUOROMETHANE	(80 - 120 %)	98	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 01/27/00

Frontier Technical Associates
Project Reference: 1746 DALE RD (ET830)
Client Sample ID : 6A68

Date Sampled : 01/06/00 **Order #:** 353247 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/10/00 **Submission #:** R2000458 **Percent Solid:** 79.5

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/11/00			
ANALYTICAL DILUTION: 125.00			Dry Weight
ACETONE	20	3100 U	UG/KG
BENZENE	5.0	790 U	UG/KG
BROMODICHLOROMETHANE	5.0	790 U	UG/KG
BROMOFORM	5.0	790 U	UG/KG
BROMOMETHANE	5.0	790 U	UG/KG
2-BUTANONE (MEK)	10	1600 U	UG/KG
CARBON DISULFIDE	10	1600 U	UG/KG
CARBON TETRACHLORIDE	5.0	790 U	UG/KG
CHLOROBENZENE	5.0	790 U	UG/KG
CHLOROETHANE	5.0	790 U	UG/KG
CHLOROFORM	5.0	790 U	UG/KG
CHLOROMETHANE	5.0	790 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	790 U	UG/KG
1,1-DICHLOROETHANE	5.0	790 U	UG/KG
1,2-DICHLOROETHANE	5.0	790 U	UG/KG
1,1-DICHLOROETHENE	5.0	790 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	6200	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	790 U	UG/KG
1,2-DICHLOROPROPANE	5.0	790 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	790 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	790 U	UG/KG
ETHYLBENZENE	5.0	790 U	UG/KG
2-HEXANONE	10	1600 U	UG/KG
METHYLENE CHLORIDE	5.0	790 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	1600 U	UG/KG
STYRENE	5.0	790 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	790 U	UG/KG
TETRACHLOROETHENE	5.0	790 U	UG/KG
TOLUENE	5.0	790 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	790 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	790 U	UG/KG
TRICHLOROETHENE	5.0	15000	UG/KG
VINYL CHLORIDE	5.0	790 U	UG/KG
O-XYLENE	5.0	790 U	UG/KG
M+P-XYLENE	5.0	790 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(74 - 121 %)	99	%
TOLUENE-D8	(81 - 117 %)	99	%
DIBROMOFLUOROMETHANE	(80 - 120 %)	100	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 01/27/00

Frontier Technical Associates
Project Reference: 1746 DALE RD (ET830)
Client Sample ID : 6A810

Date Sampled : 01/06/00 **Order #:** 353248 **Sample Matrix:** SOIL/SEDI
Date Received: 01/10/00 **Submission #:** R2000458 **Percent Solid:** 82.8

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/11/00			
ANALYTICAL DILUTION: 125.00			Dry Weig
ACETONE	20	3000 U	UG/KG
BENZENE	5.0	750 U	UG/KG
BROMODICHLOROMETHANE	5.0	750 U	UG/KG
BROMOFORM	5.0	750 U	UG/KG
BROMOMETHANE	5.0	750 U	UG/KG
2-BUTANONE (MEK)	10	1500 U	UG/KG
CARBON DISULFIDE	10	1500 U	UG/KG
CARBON TETRACHLORIDE	5.0	750 U	UG/KG
CHLOROBENZENE	5.0	750 U	UG/KG
CHLOROETHANE	5.0	750 U	UG/KG
CHLOROFORM	5.0	750 U	UG/KG
CHLOROMETHANE	5.0	750 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	750 U	UG/KG
1,1-DICHLOROETHANE	5.0	750 U	UG/KG
1,2-DICHLOROETHANE	5.0	750 U	UG/KG
1,1-DICHLOROETHENE	5.0	750 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	5300	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	750 U	UG/KG
1,2-DICHLOROPROPANE	5.0	750 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	750 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	750 U	UG/KG
ETHYLBENZENE	5.0	750 U	UG/KG
2-HEXANONE	10	1500 U	UG/KG
METHYLENE CHLORIDE	5.0	750 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	1500 U	UG/KG
STYRENE	5.0	750 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	750 U	UG/KG
TETRACHLOROETHENE	5.0	750 U	UG/KG
TOLUENE	5.0	750 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	750 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	750 U	UG/KG
TRICHLOROETHENE	5.0	100000 E	UG/KG
VINYL CHLORIDE	5.0	750 U	UG/KG
O-XYLENE	5.0	750 U	UG/KG
M+P-XYLENE	5.0	750 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(74 - 121 %)	101	%
TOLUENE-D8	(81 - 117 %)	101	%
DIBROMOFLUOROMETHANE	(80 - 120 %)	100	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 01/27/00

Frontier Technical Associates
Project Reference: 1746 DALE RD (ET830)
Client Sample ID : 6A810

Date Sampled : 01/06/00 **Order #:** 353248 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/10/00 **Submission #:** R2000458 **Percent Solid:** 82.8

DATE ANALYZED : 01/12/10
ANALYTICAL DILUTION: 1250.00

ANALYTE	PQL	RESULT	UNITS
			Dry Weight
ACETONE	20	30000 U	UG/KG
BENZENE	5.0	7500 U	UG/KG
BROMODICHLOROMETHANE	5.0	7500 U	UG/KG
BROMOFORM	5.0	7500 U	UG/KG
BROMOMETHANE	5.0	7500 U	UG/KG
2-BUTANONE (MEK)	10	15000 U	UG/KG
CARBON DISULFIDE	10	15000 U	UG/KG
CARBON TETRACHLORIDE	5.0	7500 U	UG/KG
CHLOROBENZENE	5.0	7500 U	UG/KG
CHLOROETHANE	5.0	7500 U	UG/KG
CHLOROFORM	5.0	7500 U	UG/KG
CHLOROMETHANE	5.0	7500 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	7500 U	UG/KG
1,1-DICHLOROETHANE	5.0	7500 U	UG/KG
1,2-DICHLOROETHANE	5.0	7500 U	UG/KG
1,1-DICHLOROETHENE	5.0	7500 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	7700	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	7500 U	UG/KG
1,2-DICHLOROPROPANE	5.0	7500 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	7500 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	7500 U	UG/KG
ETHYLBENZENE	5.0	7500 U	UG/KG
2-HEXANONE	10	15000 U	UG/KG
METHYLENE CHLORIDE	5.0	7500 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	15000 U	UG/KG
STYRENE	5.0	7500 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	7500 U	UG/KG
TETRACHLOROETHENE	5.0	7500 U	UG/KG
TOLUENE	5.0	7500 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	7500 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	7500 U	UG/KG
TRICHLOROETHENE	5.0	160000	UG/KG
VINYL CHLORIDE	5.0	7500 U	UG/KG
O-XYLENE	5.0	7500 U	UG/KG
M+P-XYLENE	5.0	7500 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(74 - 121 %)	93	%
TOLUENE-D8	(81 - 117 %)	97	%
DIBROMOFLUOROMETHANE	(80 - 120 %)	107	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 01/27/00

Frontier Technical Associates
Project Reference: 1746 DALE RD (ET830)
Client Sample ID : 6A1416

Date Sampled : 01/06/00 **Order #:** 353249 **Sample Matrix:** SOIL/SEDIM
Date Received: 01/10/00 **Submission #:** R2000458 **Percent Solid:** 89.1

DATE ANALYZED : 01/14/00
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
			Dry Weigh
ACETONE	20	22 U	UG/KG
BENZENE	5.0	5.6 U	UG/KG
BROMODICHLOROMETHANE	5.0	5.6 U	UG/KG
BROMOFORM	5.0	5.6 U	UG/KG
BROMOMETHANE	5.0	5.6 U	UG/KG
2-BUTANONE (MEK)	10	11 U	UG/KG
CARBON DISULFIDE	10	11 U	UG/KG
CARBON TETRACHLORIDE	5.0	5.6 U	UG/KG
CHLOROBENZENE	5.0	5.6 U	UG/KG
CHLOROETHANE	5.0	5.6 U	UG/KG
CHLOROFORM	5.0	5.6 U	UG/KG
CHLOROMETHANE	5.0	5.6 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	5.6 U	UG/KG
1,1-DICHLOROETHANE	5.0	5.6 U	UG/KG
1,2-DICHLOROETHANE	5.0	5.6 U	UG/KG
1,1-DICHLOROETHENE	5.0	5.6 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	8.2	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	5.6 U	UG/KG
1,2-DICHLOROPROPANE	5.0	5.6 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	5.6 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	5.6 U	UG/KG
ETHYLBENZENE	5.0	5.6 U	UG/KG
2-HEXANONE	10	11 U	UG/KG
METHYLENE CHLORIDE	5.0	5.6 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	11 U	UG/KG
STYRENE	5.0	5.6 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	5.6 U	UG/KG
TETRACHLOROETHENE	5.0	5.6 U	UG/KG
TOLUENE	5.0	5.6 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	5.6 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	5.6 U	UG/KG
TRICHLOROETHENE	5.0	45	UG/KG
VINYL CHLORIDE	5.0	5.6 U	UG/KG
O-XYLENE	5.0	5.6 U	UG/KG
M+P-XYLENE	5.0	5.6 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(74 - 121 %)	73 *	%
TOLUENE-D8	(81 - 117 %)	96	%
DIBROMOFLUOROMETHANE	(80 - 120 %)	107	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 01/27/00

Frontier Technical Associates
Project Reference: 1746 DALE RD (ET830)
Client Sample ID : 6A1820

Date Sampled : 01/06/00 **Order #:** 353250 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/10/00 **Submission #:** R2000458 **Percent Solid:** 89.0

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/14/00			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACETONE	20	22 U	UG/KG
BENZENE	5.0	5.6 U	UG/KG
BROMODICHLOROMETHANE	5.0	5.6 U	UG/KG
BROMOFORM	5.0	5.6 U	UG/KG
BROMOMETHANE	5.0	5.6 U	UG/KG
2-BUTANONE (MEK)	10	11 U	UG/KG
CARBON DISULFIDE	10	11 U	UG/KG
CARBON TETRACHLORIDE	5.0	5.6 U	UG/KG
CHLOROBENZENE	5.0	5.6 U	UG/KG
CHLOROETHANE	5.0	5.6 U	UG/KG
CHLOROFORM	5.0	5.6 U	UG/KG
CHLOROMETHANE	5.0	5.6 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	5.6 U	UG/KG
1,1-DICHLOROETHANE	5.0	5.6 U	UG/KG
1,2-DICHLOROETHANE	5.0	5.6 U	UG/KG
1,1-DICHLOROETHENE	5.0	5.6 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	5.6 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	5.6 U	UG/KG
1,2-DICHLOROPROPANE	5.0	5.6 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	5.6 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	5.6 U	UG/KG
ETHYLBENZENE	5.0	5.6 U	UG/KG
2-HEXANONE	10	11 U	UG/KG
METHYLENE CHLORIDE	5.0	5.6 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	11 U	UG/KG
STYRENE	5.0	5.6 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	5.6 U	UG/KG
TETRACHLOROETHENE	5.0	5.6 U	UG/KG
TOLUENE	5.0	5.6 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	5.6 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	5.6 U	UG/KG
TRICHLOROETHENE	5.0	11	UG/KG
VINYL CHLORIDE	5.0	5.6 U	UG/KG
O-XYLENE	5.0	5.6 U	UG/KG
M+P-XYLENE	5.0	5.6 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(74 - 121 %)	76	%
TOLUENE-D8	(81 - 117 %)	97	%
DIBROMOFLUOROMETHANE	(80 - 120 %)	105	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 01/27/00

Frontier Technical Associates
Project Reference: 1746 DALE RD (ET830)
Client Sample ID : 7A24

Date Sampled : 01/06/00 **Order #:** 353251 **Sample Matrix:** SOIL/SEDIM
Date Received: 01/10/00 **Submission #:** R2000458 **Percent Solid:** 85.4

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/14/00			
ANALYTICAL DILUTION: 1.00			Dry Weigh
ACETONE	20	23 U	UG/KG
BENZENE	5.0	5.9 U	UG/KG
BROMODICHLOROMETHANE	5.0	5.9 U	UG/KG
BROMOFORM	5.0	5.9 U	UG/KG
BROMOMETHANE	5.0	5.9 U	UG/KG
2-BUTANONE (MEK)	10	12 U	UG/KG
CARBON DISULFIDE	10	12 U	UG/KG
CARBON TETRACHLORIDE	5.0	5.9 U	UG/KG
CHLOROBENZENE	5.0	5.9 U	UG/KG
CHLOROETHANE	5.0	5.9 U	UG/KG
CHLOROFORM	5.0	5.9 U	UG/KG
CHLOROMETHANE	5.0	5.9 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	5.9 U	UG/KG
1,1-DICHLOROETHANE	5.0	5.9 U	UG/KG
1,2-DICHLOROETHANE	5.0	5.9 U	UG/KG
1,1-DICHLOROETHENE	5.0	5.9 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	5.9 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	5.9 U	UG/KG
1,2-DICHLOROPROPANE	5.0	5.9 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	5.9 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	5.9 U	UG/KG
ETHYLBENZENE	5.0	5.9 U	UG/KG
2-HEXANONE	10	12 U	UG/KG
METHYLENE CHLORIDE	5.0	5.9 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	12 U	UG/KG
STYRENE	5.0	5.9 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	5.9 U	UG/KG
TETRACHLOROETHENE	5.0	5.9 U	UG/KG
TOLUENE	5.0	5.9 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	5.9 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	5.9 U	UG/KG
TRICHLOROETHENE	5.0	14	UG/KG
VINYL CHLORIDE	5.0	5.9 U	UG/KG
O-XYLENE	5.0	5.9 U	UG/KG
M+P-XYLENE	5.0	5.9 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(74 - 121 %)	85	%
TOLUENE-D8	(81 - 117 %)	98	%
DIBROMOFLUOROMETHANE	(80 - 120 %)	108	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 01/27/00

Frontier Technical Associates
Project Reference: 1746 DALE RD (ET830)
Client Sample ID : 7A46

Date Sampled : 01/06/00 **Order #:** 353252 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/10/00 **Submission #:** R2000458 **Percent Solid:** 81.3

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/11/00			
ANALYTICAL DILUTION: 125.00			Dry Weight
ACETONE	20	3100 U	UG/KG
BENZENE	5.0	770 U	UG/KG
BROMODICHLOROMETHANE	5.0	770 U	UG/KG
BROMOFORM	5.0	770 U	UG/KG
BROMOMETHANE	5.0	770 U	UG/KG
2-BUTANONE (MEK)	10	1500 U	UG/KG
CARBON DISULFIDE	10	1500 U	UG/KG
CARBON TETRACHLORIDE	5.0	770 U	UG/KG
CHLOROBENZENE	5.0	770 U	UG/KG
CHLOROETHANE	5.0	770 U	UG/KG
CHLOROFORM	5.0	770 U	UG/KG
CHLOROMETHANE	5.0	770 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	770 U	UG/KG
1,1-DICHLOROETHANE	5.0	770 U	UG/KG
1,2-DICHLOROETHANE	5.0	770 U	UG/KG
1,1-DICHLOROETHENE	5.0	770 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	770 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	770 U	UG/KG
1,2-DICHLOROPROPANE	5.0	770 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	770 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	770 U	UG/KG
ETHYLBENZENE	5.0	770 U	UG/KG
2-HEXANONE	10	1500 U	UG/KG
METHYLENE CHLORIDE	5.0	770 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	1500 U	UG/KG
STYRENE	5.0	770 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	770 U	UG/KG
TETRACHLOROETHENE	5.0	770 U	UG/KG
TOLUENE	5.0	770 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	770 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	770 U	UG/KG
TRICHLOROETHENE	5.0	15000	UG/KG
VINYL CHLORIDE	5.0	770 U	UG/KG
O-XYLENE	5.0	770 U	UG/KG
M+P-XYLENE	5.0	770 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(74 - 121 %)	100	%
TOLUENE-D8	(81 - 117 %)	99	%
DIBROMOFLUOROMETHANE	(80 - 120 %)	101	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 01/27/00

Frontier Technical Associates
Project Reference: 1746 DALE RD (ET830)
Client Sample ID : 7A68

Date Sampled : 01/06/00 **Order #:** 353253 **Sample Matrix:** SOIL/SEDIME
Date Received: 01/10/00 **Submission #:** R2000458 **Percent Solid:** 81.5

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/11/00			
ANALYTICAL DILUTION: 125.00			Dry Weight
ACETONE	20	3100 U	UG/KG
BENZENE	5.0	770 U	UG/KG
BROMODICHLOROMETHANE	5.0	770 U	UG/KG
BROMOFORM	5.0	770 U	UG/KG
BROMOMETHANE	5.0	770 U	UG/KG
2-BUTANONE (MEK)	10	1500 U	UG/KG
CARBON DISULFIDE	10	1500 U	UG/KG
CARBON TETRACHLORIDE	5.0	770 U	UG/KG
CHLOROBENZENE	5.0	770 U	UG/KG
CHLOROETHANE	5.0	770 U	UG/KG
CHLOROFORM	5.0	770 U	UG/KG
CHLOROMETHANE	5.0	770 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	770 U	UG/KG
1,1-DICHLOROETHANE	5.0	770 U	UG/KG
1,2-DICHLOROETHANE	5.0	770 U	UG/KG
1,1-DICHLOROETHENE	5.0	770 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	770 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	770 U	UG/KG
1,2-DICHLOROPROPANE	5.0	770 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	770 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	770 U	UG/KG
ETHYLBENZENE	5.0	770 U	UG/KG
2-HEXANONE	10	1500 U	UG/KG
METHYLENE CHLORIDE	5.0	770 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	1500 U	UG/KG
STYRENE	5.0	770 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	770 U	UG/KG
TETRACHLOROETHENE	5.0	770 U	UG/KG
TOLUENE	5.0	770 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	770 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	770 U	UG/KG
TRICHLOROETHENE	5.0	18000	UG/KG
VINYL CHLORIDE	5.0	770 U	UG/KG
O-XYLENE	5.0	770 U	UG/KG
M+P-XYLENE	5.0	770 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(74 - 121 %)	101	%
TOLUENE-D8	(81 - 117 %)	100	%
DIBROMOFLUOROMETHANE	(80 - 120 %)	102	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 01/27/00

Frontier Technical Associates
Project Reference: 1746 DALE RD (ET830)
Client Sample ID : 7A810

Date Sampled : 01/06/00 **Order #:** 353254 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/10/00 **Submission #:** R2000458 **Percent Solid:** 89.2

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/12/00			
ANALYTICAL DILUTION: 125.00			Dry Weight
ACETONE	20	2800 U	UG/KG
BENZENE	5.0	700 U	UG/KG
BROMODICHLOROMETHANE	5.0	700 U	UG/KG
BROMOFORM	5.0	700 U	UG/KG
BROMOMETHANE	5.0	700 U	UG/KG
2-BUTANONE (MEK)	10	1400 U	UG/KG
CARBON DISULFIDE	10	1400 U	UG/KG
CARBON TETRACHLORIDE	5.0	700 U	UG/KG
CHLOROBENZENE	5.0	700 U	UG/KG
CHLOROETHANE	5.0	700 U	UG/KG
CHLOROFORM	5.0	700 U	UG/KG
CHLOROMETHANE	5.0	700 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	700 U	UG/KG
1,1-DICHLOROETHANE	5.0	700 U	UG/KG
1,2-DICHLOROETHANE	5.0	700 U	UG/KG
1,1-DICHLOROETHENE	5.0	700 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	3000	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	700 U	UG/KG
1,2-DICHLOROPROPANE	5.0	700 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	700 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	700 U	UG/KG
ETHYLBENZENE	5.0	700 U	UG/KG
2-HEXANONE	10	1400 U	UG/KG
METHYLENE CHLORIDE	5.0	700 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	1400 U	UG/KG
STYRENE	5.0	700 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	700 U	UG/KG
TETRACHLOROETHENE	5.0	700 U	UG/KG
TOLUENE	5.0	700 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	700 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	700 U	UG/KG
TRICHLOROETHENE	5.0	34000 E	UG/KG
VINYL CHLORIDE	5.0	700 U	UG/KG
O-XYLENE	5.0	700 U	UG/KG
M+P-XYLENE	5.0	700 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(74 - 121 %)	101	%
TOLUENE-D8	(81 - 117 %)	100	%
DIBROMOFLUOROMETHANE	(80 - 120 %)	100	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 01/27/00

Frontier Technical Associates
Project Reference: 1746 DALE RD (ET830)
Client Sample ID : 7A810

Date Sampled : 01/06/00 **Order #:** 353254 **Sample Matrix:** SOIL/SEDIME
Date Received: 01/10/00 **Submission #:** R2000458 **Percent Solid:** 89.2

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/12/10			
ANALYTICAL DILUTION: 250.00			Dry Weight
ACETONE	20	5600 U	UG/KG
BENZENE	5.0	1400 U	UG/KG
BROMODICHLOROMETHANE	5.0	1400 U	UG/KG
BROMOFORM	5.0	1400 U	UG/KG
BROMOMETHANE	5.0	1400 U	UG/KG
2-BUTANONE (MEK)	10	2800 U	UG/KG
CARBON DISULFIDE	10	2800 U	UG/KG
CARBON TETRACHLORIDE	5.0	1400 U	UG/KG
CHLOROBENZENE	5.0	1400 U	UG/KG
CHLOROETHANE	5.0	1400 U	UG/KG
CHLOROFORM	5.0	1400 U	UG/KG
CHLOROMETHANE	5.0	1400 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	1400 U	UG/KG
1,1-DICHLOROETHANE	5.0	1400 U	UG/KG
1,2-DICHLOROETHANE	5.0	1400 U	UG/KG
1,1-DICHLOROETHENE	5.0	1400 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	2800	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	1400 U	UG/KG
1,2-DICHLOROPROPANE	5.0	1400 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	1400 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	1400 U	UG/KG
ETHYLBENZENE	5.0	1400 U	UG/KG
2-HEXANONE	10	2800 U	UG/KG
METHYLENE CHLORIDE	5.0	1400 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	2800 U	UG/KG
STYRENE	5.0	1400 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	1400 U	UG/KG
TETRACHLOROETHENE	5.0	1400 U	UG/KG
TOLUENE	5.0	1400 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	1400 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	1400 U	UG/KG
TRICHLOROETHENE	5.0	34000	UG/KG
VINYL CHLORIDE	5.0	1400 U	UG/KG
O-XYLENE	5.0	1400 U	UG/KG
M+P-XYLENE	5.0	1400 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(74 - 121 %)	98	%
TOLUENE-D8	(81 - 117 %)	98	%
DIBROMOFLUOROMETHANE	(80 - 120 %)	103	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 01/27/00

Frontier Technical Associates
Project Reference: 1746 DALE RD (ET830)
Client Sample ID : 7A1416

Date Sampled : 01/06/00 **Order #:** 353255 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/10/00 **Submission #:** R2000458 **Percent Solid:** 88.2

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/14/00			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACETONE	20	23 U	UG/KG
BENZENE	5.0	5.7 U	UG/KG
BROMODICHLOROMETHANE	5.0	5.7 U	UG/KG
BROMOFORM	5.0	5.7 U	UG/KG
BROMOMETHANE	5.0	5.7 U	UG/KG
2-BUTANONE (MEK)	10	11 U	UG/KG
CARBON DISULFIDE	10	11 U	UG/KG
CARBON TETRACHLORIDE	5.0	5.7 U	UG/KG
CHLOROBENZENE	5.0	5.7 U	UG/KG
CHLOROETHANE	5.0	5.7 U	UG/KG
CHLOROFORM	5.0	5.7 U	UG/KG
CHLOROMETHANE	5.0	5.7 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	5.7 U	UG/KG
1,1-DICHLOROETHANE	5.0	5.7 U	UG/KG
1,2-DICHLOROETHANE	5.0	5.7 U	UG/KG
1,1-DICHLOROETHENE	5.0	5.7 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	5.7 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	5.7 U	UG/KG
1,2-DICHLOROPROPANE	5.0	5.7 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	5.7 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	5.7 U	UG/KG
ETHYLBENZENE	5.0	5.7 U	UG/KG
2-HEXANONE	10	11 U	UG/KG
METHYLENE CHLORIDE	5.0	5.7 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	11 U	UG/KG
STYRENE	5.0	5.7 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	5.7 U	UG/KG
TETRACHLOROETHENE	5.0	5.7 U	UG/KG
TOLUENE	5.0	5.7 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	5.7 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	5.7 U	UG/KG
TRICHLOROETHENE	5.0	11	UG/KG
VINYL CHLORIDE	5.0	5.7 U	UG/KG
O-XYLENE	5.0	5.7 U	UG/KG
M+P-XYLENE	5.0	5.7 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(74 - 121 %)	82	%
TOLUENE-D8	(81 - 117 %)	97	%
DIBROMOFLUOROMETHANE	(80 - 120 %)	99	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 01/27/00

Frontier Technical Associates
Project Reference: 1746 DALE RD (ET830)
Client Sample ID : 7A1820

Date Sampled : 01/06/00 **Order #:** 353256 **Sample Matrix:** SOIL/SEDIM
Date Received: 01/10/00 **Submission #:** R2000458 **Percent Solid:** 89.9

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/14/00			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACETONE	20	22 U	UG/KG
BENZENE	5.0	5.6 U	UG/KG
BROMODICHLOROMETHANE	5.0	5.6 U	UG/KG
BROMOFORM	5.0	5.6 U	UG/KG
BROMOMETHANE	5.0	5.6 U	UG/KG
2-BUTANONE (MEK)	10	11 U	UG/KG
CARBON DISULFIDE	10	11 U	UG/KG
CARBON TETRACHLORIDE	5.0	5.6 U	UG/KG
CHLOROBENZENE	5.0	5.6 U	UG/KG
CHLOROETHANE	5.0	5.6 U	UG/KG
CHLOROFORM	5.0	5.6 U	UG/KG
CHLOROMETHANE	5.0	5.6 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	5.6 U	UG/KG
1,1-DICHLOROETHANE	5.0	5.6 U	UG/KG
1,2-DICHLOROETHANE	5.0	5.6 U	UG/KG
1,1-DICHLOROETHENE	5.0	5.6 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	5.6 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	5.6 U	UG/KG
1,2-DICHLOROPROPANE	5.0	5.6 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	5.6 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	5.6 U	UG/KG
ETHYLBENZENE	5.0	5.6 U	UG/KG
2-HEXANONE	10	11 U	UG/KG
METHYLENE CHLORIDE	5.0	5.6 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	11 U	UG/KG
STYRENE	5.0	5.6 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	5.6 U	UG/KG
TETRACHLOROETHENE	5.0	5.6 U	UG/KG
TOLUENE	5.0	5.6 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	5.6 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	5.6 U	UG/KG
TRICHLOROETHENE	5.0	5.6 U	UG/KG
VINYL CHLORIDE	5.0	5.6 U	UG/KG
O-XYLENE	5.0	5.6 U	UG/KG
M+P-XYLENE	5.0	5.6 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(74 - 121 %)	78	%
TOLUENE-D8	(81 - 117 %)	95	%
DIBROMOFLUOROMETHANE	(80 - 120 %)	108	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 01/27/00

Frontier Technical Associates
Project Reference: 1746 DALE RD (ET830)
Client Sample ID : 8A24

Date Sampled : 01/06/00 **Order #:** 353257 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/10/00 **Submission #:** R2000458 **Percent Solid:** 80.9

DATE ANALYZED : 01/11/00
ANALYTICAL DILUTION: 125.00

ANALYTE	PQL	RESULT	UNITS
			Dry Weight
ACETONE	20	3100 U	UG/KG
BENZENE	5.0	770 U	UG/KG
BROMODICHLOROMETHANE	5.0	770 U	UG/KG
BROMOFORM	5.0	770 U	UG/KG
BROMOMETHANE	5.0	770 U	UG/KG
2-BUTANONE (MEK)	10	1500 U	UG/KG
CARBON DISULFIDE	10	1500 U	UG/KG
CARBON TETRACHLORIDE	5.0	770 U	UG/KG
CHLOROBENZENE	5.0	770 U	UG/KG
CHLOROETHANE	5.0	770 U	UG/KG
CHLOROFORM	5.0	770 U	UG/KG
CHLOROMETHANE	5.0	770 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	770 U	UG/KG
1,1-DICHLOROETHANE	5.0	770 U	UG/KG
1,2-DICHLOROETHANE	5.0	770 U	UG/KG
1,1-DICHLOROETHENE	5.0	770 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	770 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	770 U	UG/KG
1,2-DICHLOROPROPANE	5.0	770 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	770 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	770 U	UG/KG
ETHYLBENZENE	5.0	770 U	UG/KG
2-HEXANONE	10	1500 U	UG/KG
METHYLENE CHLORIDE	5.0	770 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	1500 U	UG/KG
STYRENE	5.0	770 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	770 U	UG/KG
TETRACHLOROETHENE	5.0	3500	UG/KG
TOLUENE	5.0	770 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	770 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	770 U	UG/KG
TRICHLOROETHENE	5.0	5600	UG/KG
VINYL CHLORIDE	5.0	770 U	UG/KG
O-XYLENE	5.0	770 U	UG/KG
M+P-XYLENE	5.0	770 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(74 - 121 %)	99	%
TOLUENE-D8	(81 - 117 %)	100	%
DIBROMOFLUOROMETHANE	(80 - 120 %)	100	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 01/27/00

Frontier Technical Associates
Project Reference: 1746 DALE RD (ET830)
Client Sample ID : 8A46

Date Sampled : 01/06/00 **Order #:** 353258 **Sample Matrix:** SOIL/SEDIME
Date Received: 01/10/00 **Submission #:** R2000458 **Percent Solid:** 87.8

DATE ANALYZED : 01/12/00
ANALYTICAL DILUTION: 125.00

ANALYTE	PQL	RESULT	UNITS
			Dry Weight
ACETONE	20	2800 U	UG/KG
BENZENE	5.0	710 U	UG/KG
BROMODICHLOROMETHANE	5.0	710 U	UG/KG
BROMOFORM	5.0	710 U	UG/KG
BROMOMETHANE	5.0	710 U	UG/KG
2-BUTANONE (MEK)	10	1400 U	UG/KG
CARBON DISULFIDE	10	1400 U	UG/KG
CARBON TETRACHLORIDE	5.0	710 U	UG/KG
CHLOROBENZENE	5.0	710 U	UG/KG
CHLOROETHANE	5.0	710 U	UG/KG
CHLOROFORM	5.0	710 U	UG/KG
CHLOROMETHANE	5.0	710 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	710 U	UG/KG
1,1-DICHLOROETHANE	5.0	710 U	UG/KG
1,2-DICHLOROETHANE	5.0	710 U	UG/KG
1,1-DICHLOROETHENE	5.0	710 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	2200	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	710 U	UG/KG
1,2-DICHLOROPROPANE	5.0	710 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	710 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	710 U	UG/KG
ETHYLBENZENE	5.0	710 U	UG/KG
2-HEXANONE	10	1400 U	UG/KG
METHYLENE CHLORIDE	5.0	710 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	1400 U	UG/KG
STYRENE	5.0	710 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	710 U	UG/KG
TETRACHLOROETHENE	5.0	710 U	UG/KG
TOLUENE	5.0	710 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	710 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	710 U	UG/KG
TRICHLOROETHENE	5.0	25000	UG/KG
VINYL CHLORIDE	5.0	710 U	UG/KG
O-XYLENE	5.0	710 U	UG/KG
M+P-XYLENE	5.0	710 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(74 - 121 %)	99	%
TOLUENE-D8	(81 - 117 %)	101	%
DIBROMOFLUOROMETHANE	(80 - 120 %)	103	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 01/27/00

Frontier Technical Associates
Project Reference: 1746 DALE RD (ET830)
Client Sample ID : 8A68

Date Sampled : 01/06/00 **Order #:** 353259 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/10/00 **Submission #:** R2000458 **Percent Solid:** 86.7

DATE ANALYZED : 01/12/00
ANALYTICAL DILUTION: 250.00

ANALYTE	PQL	RESULT	UNITS
			Dry Weight
ACETONE	20	5800 U	UG/KG
BENZENE	5.0	1400 U	UG/KG
BROMODICHLOROMETHANE	5.0	1400 U	UG/KG
BROMOFORM	5.0	1400 U	UG/KG
BROMOMETHANE	5.0	1400 U	UG/KG
2-BUTANONE (MEK)	10	2900 U	UG/KG
CARBON DISULFIDE	10	2900 U	UG/KG
CARBON TETRACHLORIDE	5.0	1400 U	UG/KG
CHLOROBENZENE	5.0	1400 U	UG/KG
CHLOROETHANE	5.0	1400 U	UG/KG
CHLOROFORM	5.0	1400 U	UG/KG
CHLOROMETHANE	5.0	1400 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	1400 U	UG/KG
1,1-DICHLOROETHANE	5.0	1400 U	UG/KG
1,2-DICHLOROETHANE	5.0	1400 U	UG/KG
1,1-DICHLOROETHENE	5.0	1400 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	6100	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	1400 U	UG/KG
1,2-DICHLOROPROPANE	5.0	1400 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	1400 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	1400 U	UG/KG
ETHYLBENZENE	5.0	1400 U	UG/KG
2-HEXANONE	10	2900 U	UG/KG
METHYLENE CHLORIDE	5.0	1400 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	2900 U	UG/KG
STYRENE	5.0	1400 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	1400 U	UG/KG
TETRACHLOROETHENE	5.0	1400 U	UG/KG
TOLUENE	5.0	1400 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	1400 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	1400 U	UG/KG
TRICHLOROETHENE	5.0	57000	UG/KG
VINYL CHLORIDE	5.0	1400 U	UG/KG
O-XYLENE	5.0	1400 U	UG/KG
M+P-XYLENE	5.0	1400 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(74 - 121 %)	99	%
TOLUENE-D8	(81 - 117 %)	100	%
DIBROMOFLUOROMETHANE	(80 - 120 %)	105	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 01/27/00

Frontier Technical Associates
Project Reference: 1746 DALE RD (ET830)
Client Sample ID : 8A810

Date Sampled : 01/06/00 **Order #:** 353260 **Sample Matrix:** SOIL/SEDIMEN
Date Received: 01/10/00 **Submission #:** R2000458 **Percent Solid:** 88.2

DATE ANALYZED : 01/14/00
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
			Dry Weight
ACETONE	20	23 U	UG/KG
BENZENE	5.0	5.7 U	UG/KG
BROMODICHLOROMETHANE	5.0	5.7 U	UG/KG
BROMOFORM	5.0	5.7 U	UG/KG
BROMOMETHANE	5.0	5.7 U	UG/KG
2-BUTANONE (MEK)	10	11 U	UG/KG
CARBON DISULFIDE	10	11 U	UG/KG
CARBON TETRACHLORIDE	5.0	5.7 U	UG/KG
CHLOROBENZENE	5.0	5.7 U	UG/KG
CHLOROETHANE	5.0	5.7 U	UG/KG
CHLOROFORM	5.0	5.7 U	UG/KG
CHLOROMETHANE	5.0	5.7 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	5.7 U	UG/KG
1,1-DICHLOROETHANE	5.0	5.7 U	UG/KG
1,2-DICHLOROETHANE	5.0	5.7 U	UG/KG
1,1-DICHLOROETHENE	5.0	5.7 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	18	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	5.7 U	UG/KG
1,2-DICHLOROPROPANE	5.0	5.7 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	5.7 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	5.7 U	UG/KG
ETHYLBENZENE	5.0	5.7 U	UG/KG
2-HEXANONE	10	11 U	UG/KG
METHYLENE CHLORIDE	5.0	5.7 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	11 U	UG/KG
STYRENE	5.0	5.7 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	5.7 U	UG/KG
TETRACHLOROETHENE	5.0	5.7 U	UG/KG
TOLUENE	5.0	5.7 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	5.7 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	5.7 U	UG/KG
TRICHLOROETHENE	5.0	14	UG/KG
VINYL CHLORIDE	5.0	39	UG/KG
O-XYLENE	5.0	5.7 U	UG/KG
M+P-XYLENE	5.0	5.7 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(74 - 121 %)	77 *	%
TOLUENE-D8	(81 - 117 %)	98	%
DIBROMOFLUOROMETHANE	(80 - 120 %)	109	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 01/27/00

Frontier Technical Associates
Project Reference: 1746 DALE RD (ET830)
Client Sample ID : 8A1416

Date Sampled : 01/06/00 **Order #:** 353261 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/10/00 **Submission #:** R2000458 **Percent Solid:** 89.4

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/14/00			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACETONE	20	22 U	UG/KG
BENZENE	5.0	5.6 U	UG/KG
BROMODICHLOROMETHANE	5.0	5.6 U	UG/KG
BROMOFORM	5.0	5.6 U	UG/KG
BROMOMETHANE	5.0	5.6 U	UG/KG
2-BUTANONE (MEK)	10	11 U	UG/KG
CARBON DISULFIDE	10	11 U	UG/KG
CARBON TETRACHLORIDE	5.0	5.6 U	UG/KG
CHLOROBENZENE	5.0	5.6 U	UG/KG
CHLOROETHANE	5.0	5.6 U	UG/KG
CHLOROFORM	5.0	5.6 U	UG/KG
CHLOROMETHANE	5.0	5.6 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	5.6 U	UG/KG
1,1-DICHLOROETHANE	5.0	5.6 U	UG/KG
1,2-DICHLOROETHANE	5.0	5.6 U	UG/KG
1,1-DICHLOROETHENE	5.0	5.6 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	5.6 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	5.6 U	UG/KG
1,2-DICHLOROPROPANE	5.0	5.6 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	5.6 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	5.6 U	UG/KG
ETHYLBENZENE	5.0	5.6 U	UG/KG
2-HEXANONE	10	11 U	UG/KG
METHYLENE CHLORIDE	5.0	5.6 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	11 U	UG/KG
STYRENE	5.0	5.6 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	5.6 U	UG/KG
TETRACHLOROETHENE	5.0	5.6 U	UG/KG
TOLUENE	5.0	5.6 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	5.6 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	5.6 U	UG/KG
TRICHLOROETHENE	5.0	5.6 U	UG/KG
VINYL CHLORIDE	5.0	5.6 U	UG/KG
O-XYLENE	5.0	5.6 U	UG/KG
M+P-XYLENE	5.0	5.6 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(74 - 121 %)	76	%
TOLUENE-D8	(81 - 117 %)	99	%
DIBROMOFLUOROMETHANE	(80 - 120 %)	109	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 01/27/00

Frontier Technical Associates
Project Reference: 1746 DALE RD (ET830)
Client Sample ID : 8A1820

Date Sampled : 01/06/00 **Order #:** 353262 **Sample Matrix:** SOIL/SEDIME
Date Received: 01/10/00 **Submission #:** R2000458 **Percent Solid:** 89.2

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/14/00			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACETONE	20	22 U	UG/KG
BENZENE	5.0	5.6 U	UG/KG
BROMODICHLOROMETHANE	5.0	5.6 U	UG/KG
BROMOFORM	5.0	5.6 U	UG/KG
BROMOMETHANE	5.0	5.6 U	UG/KG
2-BUTANONE (MEK)	10	11 U	UG/KG
CARBON DISULFIDE	10	11 U	UG/KG
CARBON TETRACHLORIDE	5.0	5.6 U	UG/KG
CHLOROBENZENE	5.0	5.6 U	UG/KG
CHLOROETHANE	5.0	5.6 U	UG/KG
CHLOROFORM	5.0	5.6 U	UG/KG
CHLOROMETHANE	5.0	5.6 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	5.6 U	UG/KG
1,1-DICHLOROETHANE	5.0	5.6 U	UG/KG
1,2-DICHLOROETHANE	5.0	5.6 U	UG/KG
1,1-DICHLOROETHENE	5.0	5.6 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	5.6 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	5.6 U	UG/KG
1,2-DICHLOROPROPANE	5.0	5.6 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	5.6 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	5.6 U	UG/KG
ETHYLBENZENE	5.0	5.6 U	UG/KG
2-HEXANONE	10	11 U	UG/KG
METHYLENE CHLORIDE	5.0	5.6 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	11 U	UG/KG
STYRENE	5.0	5.6 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	5.6 U	UG/KG
TETRACHLOROETHENE	5.0	5.6 U	UG/KG
TOLUENE	5.0	5.6 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	5.6 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	5.6 U	UG/KG
TRICHLOROETHENE	5.0	5.6 U	UG/KG
VINYL CHLORIDE	5.0	5.6 U	UG/KG
O-XYLENE	5.0	5.6 U	UG/KG
M+P-XYLENE	5.0	5.6 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(74 - 121 %)	84	%
TOLUENE-D8	(81 - 117 %)	97	%
DIBROMOFLUOROMETHANE	(80 - 120 %)	106	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 01/27/00

Frontier Technical Associates
Project Reference: 1746 DALE RD (ET830)
Client Sample ID : 9A24

Date Sampled : 01/06/00 **Order #:** 353263 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/10/00 **Submission #:** R2000458 **Percent Solid:** 84.4

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/14/00			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACETONE	20	24 U	UG/KG
BENZENE	5.0	5.9 U	UG/KG
BROMODICHLOROMETHANE	5.0	5.9 U	UG/KG
BROMOFORM	5.0	5.9 U	UG/KG
BROMOMETHANE	5.0	5.9 U	UG/KG
2-BUTANONE (MEK)	10	12 U	UG/KG
CARBON DISULFIDE	10	12 U	UG/KG
CARBON TETRACHLORIDE	5.0	5.9 U	UG/KG
CHLOROBENZENE	5.0	5.9 U	UG/KG
CHLOROETHANE	5.0	5.9 U	UG/KG
CHLOROFORM	5.0	5.9 U	UG/KG
CHLOROMETHANE	5.0	5.9 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	5.9 U	UG/KG
1,1-DICHLOROETHANE	5.0	5.9 U	UG/KG
1,2-DICHLOROETHANE	5.0	5.9 U	UG/KG
1,1-DICHLOROETHENE	5.0	5.9 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	5.9 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	5.9 U	UG/KG
1,2-DICHLOROPROPANE	5.0	5.9 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	5.9 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	5.9 U	UG/KG
ETHYLBENZENE	5.0	5.9 U	UG/KG
2-HEXANONE	10	12 U	UG/KG
METHYLENE CHLORIDE	5.0	5.9 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	12 U	UG/KG
STYRENE	5.0	5.9 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	5.9 U	UG/KG
TETRACHLOROETHENE	5.0	5.9 U	UG/KG
TOLUENE	5.0	5.9 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	5.9 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	5.9 U	UG/KG
TRICHLOROETHENE	5.0	6.4	UG/KG
VINYL CHLORIDE	5.0	5.9 U	UG/KG
O-XYLENE	5.0	5.9 U	UG/KG
M+P-XYLENE	5.0	5.9 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(74 - 121 %)	86	%
TOLUENE-D8	(81 - 117 %)	100	%
DIBROMOFLUOROMETHANE	(80 - 120 %)	106	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 01/27/00

Frontier Technical Associates
Project Reference: 1746 DALE RD (ET830)
Client Sample ID : 9A46

Date Sampled : 01/06/00 **Order #:** 353264 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/10/00 **Submission #:** R2000458 **Percent Solid:** 80.8

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/14/00			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACETONE	20	25 U	UG/KG
BENZENE	5.0	6.2 U	UG/KG
BROMODICHLOROMETHANE	5.0	6.2 U	UG/KG
BROMOFORM	5.0	6.2 U	UG/KG
BROMOMETHANE	5.0	6.2 U	UG/KG
2-BUTANONE (MEK)	10	12 U	UG/KG
CARBON DISULFIDE	10	12 U	UG/KG
CARBON TETRACHLORIDE	5.0	6.2 U	UG/KG
CHLOROBENZENE	5.0	6.2 U	UG/KG
CHLOROETHANE	5.0	6.2 U	UG/KG
CHLOROFORM	5.0	6.2 U	UG/KG
CHLOROMETHANE	5.0	6.2 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	6.2 U	UG/KG
1,1-DICHLOROETHANE	5.0	6.2 U	UG/KG
1,2-DICHLOROETHANE	5.0	6.2 U	UG/KG
1,1-DICHLOROETHENE	5.0	6.2 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	14	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	6.2 U	UG/KG
1,2-DICHLOROPROPANE	5.0	6.2 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	6.2 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	6.2 U	UG/KG
ETHYLBENZENE	5.0	6.2 U	UG/KG
2-HEXANONE	10	12 U	UG/KG
METHYLENE CHLORIDE	5.0	6.2 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	12 U	UG/KG
STYRENE	5.0	6.2 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	6.2 U	UG/KG
TETRACHLOROETHENE	5.0	22	UG/KG
TOLUENE	5.0	6.2 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	6.2 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	6.2 U	UG/KG
TRICHLOROETHENE	5.0	1400 E	UG/KG
VINYL CHLORIDE	5.0	6.2 U	UG/KG
O-XYLENE	5.0	6.2 U	UG/KG
M+P-XYLENE	5.0	6.2 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(74 - 121 %)	65 *	%
TOLUENE-D8	(81 - 117 %)	93	%
DIBROMOFLUOROMETHANE	(80 - 120 %)	107	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 01/27/00

Frontier Technical Associates
Project Reference: 1746 DALE RD (ET830)
Client Sample ID : 9A46

Date Sampled : 01/06/00 **Order #:** 353264 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/10/00 **Submission #:** R2000458 **Percent Solid:** 80.8

DATE ANALYZED : 01/18/10
ANALYTICAL DILUTION: 125.00

ANALYTE	PQL	RESULT	UNITS
			Dry Weight
ACETONE	20	3100 U	UG/KG
BENZENE	5.0	770 U	UG/KG
BROMODICHLOROMETHANE	5.0	770 U	UG/KG
BROMOFORM	5.0	770 U	UG/KG
BROMOMETHANE	5.0	770 U	UG/KG
2-BUTANONE (MEK)	10	1500 U	UG/KG
CARBON DISULFIDE	10	1500 U	UG/KG
CARBON TETRACHLORIDE	5.0	770 U	UG/KG
CHLOROBENZENE	5.0	770 U	UG/KG
CHLOROETHANE	5.0	770 U	UG/KG
CHLOROFORM	5.0	770 U	UG/KG
CHLOROMETHANE	5.0	770 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	770 U	UG/KG
1,1-DICHLOROETHANE	5.0	770 U	UG/KG
1,2-DICHLOROETHANE	5.0	770 U	UG/KG
1,1-DICHLOROETHENE	5.0	770 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	770 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	770 U	UG/KG
1,2-DICHLOROPROPANE	5.0	770 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	770 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	770 U	UG/KG
ETHYLBENZENE	5.0	770 U	UG/KG
2-HEXANONE	10	1500 U	UG/KG
METHYLENE CHLORIDE	5.0	770 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	1500 U	UG/KG
STYRENE	5.0	770 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	770 U	UG/KG
TETRACHLOROETHENE	5.0	770 U	UG/KG
TOLUENE	5.0	770 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	770 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	770 U	UG/KG
TRICHLOROETHENE	5.0	1200	UG/KG
VINYL CHLORIDE	5.0	770 U	UG/KG
O-XYLENE	5.0	770 U	UG/KG
M+P-XYLENE	5.0	770 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(74 - 121 %)	98	%
TOLUENE-D8	(81 - 117 %)	102	%
DIBROMOFLUOROMETHANE	(80 - 120 %)	102	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 01/27/00

Frontier Technical Associates
Project Reference: 1746 DALE RD (ET830)
Client Sample ID : 9A68

Date Sampled : 01/06/00 **Order #:** 353265 **Sample Matrix:** SOIL/SEDIMEN
Date Received: 01/10/00 **Submission #:** R2000458 **Percent Solid:** 83.0

DATE ANALYZED : 01/14/00
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
			Dry Weight
ACETONE	20	24 U	UG/KG
BENZENE	5.0	6.0 U	UG/KG
BROMODICHLOROMETHANE	5.0	6.0 U	UG/KG
BROMOFORM	5.0	6.0 U	UG/KG
BROMOMETHANE	5.0	6.0 U	UG/KG
2-BUTANONE (MEK)	10	12 U	UG/KG
CARBON DISULFIDE	10	12 U	UG/KG
CARBON TETRACHLORIDE	5.0	6.0 U	UG/KG
CHLOROBENZENE	5.0	6.0 U	UG/KG
CHLOROETHANE	5.0	6.0 U	UG/KG
CHLOROFORM	5.0	6.0 U	UG/KG
CHLOROMETHANE	5.0	6.0 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	6.0 U	UG/KG
1,1-DICHLOROETHANE	5.0	6.0 U	UG/KG
1,2-DICHLOROETHANE	5.0	6.0 U	UG/KG
1,1-DICHLOROETHENE	5.0	6.0 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	6.4	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	6.0 U	UG/KG
1,2-DICHLOROPROPANE	5.0	6.0 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	6.0 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	6.0 U	UG/KG
ETHYLBENZENE	5.0	6.0 U	UG/KG
2-HEXANONE	10	12 U	UG/KG
METHYLENE CHLORIDE	5.0	6.0 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	12 U	UG/KG
STYRENE	5.0	6.0 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	6.0 U	UG/KG
TETRACHLOROETHENE	5.0	6.0 U	UG/KG
TOLUENE	5.0	6.0 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	6.0 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	6.0 U	UG/KG
TRICHLOROETHENE	5.0	6.0 U	UG/KG
VINYL CHLORIDE	5.0	6.0 U	UG/KG
O-XYLENE	5.0	6.0 U	UG/KG
M+P-XYLENE	5.0	6.0 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(74 - 121 %)	79 *	%
TOLUENE-D8	(81 - 117 %)	100	%
DIBROMOFLUOROMETHANE	(80 - 120 %)	111	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 01/27/00

Frontier Technical Associates
Project Reference: 1746 DALE RD (ET830)
Client Sample ID : 9A810

Date Sampled : 01/06/00 **Order #:** 353266 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/10/00 **Submission #:** R2000458 **Percent Solid:** 90.6

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/14/00			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACETONE	20	22 U	UG/KG
BENZENE	5.0	5.5 U	UG/KG
BROMODICHLOROMETHANE	5.0	5.5 U	UG/KG
BROMOFORM	5.0	5.5 U	UG/KG
BROMOMETHANE	5.0	5.5 U	UG/KG
2-BUTANONE (MEK)	10	11 U	UG/KG
CARBON DISULFIDE	10	11 U	UG/KG
CARBON TETRACHLORIDE	5.0	5.5 U	UG/KG
CHLOROBENZENE	5.0	5.5 U	UG/KG
CHLOROETHANE	5.0	5.5 U	UG/KG
CHLOROFORM	5.0	5.5 U	UG/KG
CHLOROMETHANE	5.0	5.5 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	5.5 U	UG/KG
1,1-DICHLOROETHANE	5.0	5.5 U	UG/KG
1,2-DICHLOROETHANE	5.0	5.5 U	UG/KG
1,1-DICHLOROETHENE	5.0	5.5 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	5.5 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	5.5 U	UG/KG
1,2-DICHLOROPROPANE	5.0	5.5 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	5.5 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	5.5 U	UG/KG
ETHYLBENZENE	5.0	5.5 U	UG/KG
2-HEXANONE	10	11 U	UG/KG
METHYLENE CHLORIDE	5.0	5.5 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	11 U	UG/KG
STYRENE	5.0	5.5 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	5.5 U	UG/KG
TETRACHLOROETHENE	5.0	5.5 U	UG/KG
TOLUENE	5.0	5.5 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	5.5 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	5.5 U	UG/KG
TRICHLOROETHENE	5.0	5.5 U	UG/KG
VINYL CHLORIDE	5.0	5.5 U	UG/KG
O-XYLENE	5.0	5.5 U	UG/KG
M+P-XYLENE	5.0	5.5 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(74 - 121 %)	62 *	%
TOLUENE-D8	(81 - 117 %)	96	%
DIBROMOFLUOROMETHANE	(80 - 120 %)	110	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 01/27/00

Frontier Technical Associates
Project Reference: 1746 DALE RD (ET830)
Client Sample ID : 9A1416

Date Sampled : 01/06/00 **Order #:** 353267 **Sample Matrix:** SOIL/SEDIMEN
Date Received: 01/10/00 **Submission #:** R2000458 **Percent Solid:** 86.1

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/14/00			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACETONE	20	23 U	UG/KG
BENZENE	5.0	5.8 U	UG/KG
BROMODICHLOROMETHANE	5.0	5.8 U	UG/KG
BROMOFORM	5.0	5.8 U	UG/KG
BROMOMETHANE	5.0	5.8 U	UG/KG
2-BUTANONE (MEK)	10	12 U	UG/KG
CARBON DISULFIDE	10	12 U	UG/KG
CARBON TETRACHLORIDE	5.0	5.8 U	UG/KG
CHLOROBENZENE	5.0	5.8 U	UG/KG
CHLOROETHANE	5.0	5.8 U	UG/KG
CHLOROFORM	5.0	5.8 U	UG/KG
CHLOROMETHANE	5.0	5.8 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	5.8 U	UG/KG
1,1-DICHLOROETHANE	5.0	5.8 U	UG/KG
1,2-DICHLOROETHANE	5.0	5.8 U	UG/KG
1,1-DICHLOROETHENE	5.0	5.8 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	5.8 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	5.8 U	UG/KG
1,2-DICHLOROPROPANE	5.0	5.8 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	5.8 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	5.8 U	UG/KG
ETHYLBENZENE	5.0	5.8 U	UG/KG
2-HEXANONE	10	12 U	UG/KG
METHYLENE CHLORIDE	5.0	5.8 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	12 U	UG/KG
STYRENE	5.0	5.8 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	5.8 U	UG/KG
TETRACHLOROETHENE	5.0	5.8 U	UG/KG
TOLUENE	5.0	5.8 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	5.8 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	5.8 U	UG/KG
TRICHLOROETHENE	5.0	14	UG/KG
VINYL CHLORIDE	5.0	5.8 U	UG/KG
O-XYLENE	5.0	5.8 U	UG/KG
M+P-XYLENE	5.0	5.8 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(74 - 121 %)	50 *	%
TOLUENE-D8	(81 - 117 %)	91	%
DIBROMOFLUOROMETHANE	(80 - 120 %)	113	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 01/27/00

Frontier Technical Associates
Project Reference: 1746 DALE RD (ET830)
Client Sample ID : 9A1820

Date Sampled : 01/06/00 **Order #:** 353268 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/10/00 **Submission #:** R2000458 **Percent Solid:** 89.3

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/14/00			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACETONE	20	22 U	UG/KG
BENZENE	5.0	5.6 U	UG/KG
BROMODICHLOROMETHANE	5.0	5.6 U	UG/KG
BROMOFORM	5.0	5.6 U	UG/KG
BROMOMETHANE	5.0	5.6 U	UG/KG
2-BUTANONE (MEK)	10	11 U	UG/KG
CARBON DISULFIDE	10	11 U	UG/KG
CARBON TETRACHLORIDE	5.0	5.6 U	UG/KG
CHLOROBENZENE	5.0	5.6 U	UG/KG
CHLOROETHANE	5.0	5.6 U	UG/KG
CHLOROFORM	5.0	5.6 U	UG/KG
CHLOROMETHANE	5.0	5.6 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	5.6 U	UG/KG
1,1-DICHLOROETHANE	5.0	5.6 U	UG/KG
1,2-DICHLOROETHANE	5.0	5.6 U	UG/KG
1,1-DICHLOROETHENE	5.0	5.6 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	8.0	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	5.6 U	UG/KG
1,2-DICHLOROPROPANE	5.0	5.6 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	5.6 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	5.6 U	UG/KG
ETHYLBENZENE	5.0	5.6 U	UG/KG
2-HEXANONE	10	11 U	UG/KG
METHYLENE CHLORIDE	5.0	5.6 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	11 U	UG/KG
STYRENE	5.0	5.6 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	5.6 U	UG/KG
TETRACHLOROETHENE	5.0	5.6 U	UG/KG
TOLUENE	5.0	5.6 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	5.6 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	5.6 U	UG/KG
TRICHLOROETHENE	5.0	44	UG/KG
VINYL CHLORIDE	5.0	5.6 U	UG/KG
O-XYLENE	5.0	5.6 U	UG/KG
M+P-XYLENE	5.0	5.6 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(74 - 121 %)	74 *	%
TOLUENE-D8	(81 - 117 %)	98	%
DIBROMOFLUOROMETHANE	(80 - 120 %)	106	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 01/27/00

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled : **Order #:** 355024 **Sample Matrix:** SOIL/SEDIMENT
Date Received: **Submission #:** **Percent Solid:** 100

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/11/00			
ANALYTICAL DILUTION: 125.00			Dry Weight
ACETONE	20	2500 U	UG/KG
BENZENE	5.0	630 U	UG/KG
BROMODICHLOROMETHANE	5.0	630 U	UG/KG
BROMOFORM	5.0	630 U	UG/KG
BROMOMETHANE	5.0	630 U	UG/KG
2-BUTANONE (MEK)	10	1300 U	UG/KG
CARBON DISULFIDE	10	1300 U	UG/KG
CARBON TETRACHLORIDE	5.0	630 U	UG/KG
CHLOROBENZENE	5.0	630 U	UG/KG
CHLOROETHANE	5.0	630 U	UG/KG
CHLOROFORM	5.0	630 U	UG/KG
CHLOROMETHANE	5.0	630 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	630 U	UG/KG
1,1-DICHLOROETHANE	5.0	630 U	UG/KG
1,2-DICHLOROETHANE	5.0	630 U	UG/KG
1,1-DICHLOROETHENE	5.0	630 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	630 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	630 U	UG/KG
1,2-DICHLOROPROPANE	5.0	630 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	630 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	630 U	UG/KG
ETHYLBENZENE	5.0	630 U	UG/KG
2-HEXANONE	10	1300 U	UG/KG
METHYLENE CHLORIDE	5.0	630 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	1300 U	UG/KG
STYRENE	5.0	630 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	630 U	UG/KG
TETRACHLOROETHENE	5.0	630 U	UG/KG
TOLUENE	5.0	630 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	630 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	630 U	UG/KG
TRICHLOROETHENE	5.0	630 U	UG/KG
VINYL CHLORIDE	5.0	630 U	UG/KG
O-XYLENE	5.0	630 U	UG/KG
M+P-XYLENE	5.0	630 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(74 - 121 %)	95	%
TOLUENE-D8	(81 - 117 %)	97	%
DIBROMOFLUOROMETHANE	(80 - 120 %)	97	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 01/27/00

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled : **Order #:** 355028 **Sample Matrix:** SOIL/SEDIMENT
Date Received: **Submission #:** **Percent Solid:** 100

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/12/00			
ANALYTICAL DILUTION: 125.00			Dry Weight
ACETONE	20	2500 U	UG/KG
BENZENE	5.0	630 U	UG/KG
BROMODICHLOROMETHANE	5.0	630 U	UG/KG
BROMOFORM	5.0	630 U	UG/KG
BROMOMETHANE	5.0	630 U	UG/KG
2-BUTANONE (MEK)	10	1300 U	UG/KG
CARBON DISULFIDE	10	1300 U	UG/KG
CARBON TETRACHLORIDE	5.0	630 U	UG/KG
CHLOROBENZENE	5.0	630 U	UG/KG
CHLOROETHANE	5.0	630 U	UG/KG
CHLOROFORM	5.0	630 U	UG/KG
CHLOROMETHANE	5.0	630 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	630 U	UG/KG
1,1-DICHLOROETHANE	5.0	630 U	UG/KG
1,2-DICHLOROETHANE	5.0	630 U	UG/KG
1,1-DICHLOROETHENE	5.0	630 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	630 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	630 U	UG/KG
1,2-DICHLOROPROPANE	5.0	630 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	630 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	630 U	UG/KG
ETHYLBENZENE	5.0	630 U	UG/KG
2-HEXANONE	10	1300 U	UG/KG
METHYLENE CHLORIDE	5.0	630 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	1300 U	UG/KG
STYRENE	5.0	630 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	630 U	UG/KG
TETRACHLOROETHENE	5.0	630 U	UG/KG
TOLUENE	5.0	630 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	630 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	630 U	UG/KG
TRICHLOROETHENE	5.0	630 U	UG/KG
VINYL CHLORIDE	5.0	630 U	UG/KG
O-XYLENE	5.0	630 U	UG/KG
M+P-XYLENE	5.0	630 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(74 - 121 %)	95	%
TOLUENE-D8	(81 - 117 %)	98	%
DIBROMOFLUOROMETHANE	(80 - 120 %)	102	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 01/27/00

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled : **Order #:** 355033 **Sample Matrix:** SOIL/SEDIMEN
Date Received: **Submission #:** **Percent Solid:** 100

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/13/00			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACETONE	20	20 U	UG/KG
BENZENE	5.0	5.0 U	UG/KG
BROMODICHLOROMETHANE	5.0	5.0 U	UG/KG
BROMOFORM	5.0	5.0 U	UG/KG
BROMOMETHANE	5.0	5.0 U	UG/KG
2-BUTANONE (MEK)	10	10 U	UG/KG
CARBON DISULFIDE	10	10 U	UG/KG
CARBON TETRACHLORIDE	5.0	5.0 U	UG/KG
CHLOROBENZENE	5.0	5.0 U	UG/KG
CHLOROETHANE	5.0	5.0 U	UG/KG
CHLOROFORM	5.0	5.0 U	UG/KG
CHLOROMETHANE	5.0	5.0 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/KG
1,1-DICHLOROETHANE	5.0	5.0 U	UG/KG
1,2-DICHLOROETHANE	5.0	5.0 U	UG/KG
1,1-DICHLOROETHENE	5.0	5.0 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/KG
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/KG
ETHYLBENZENE	5.0	5.0 U	UG/KG
2-HEXANONE	10	10 U	UG/KG
METHYLENE CHLORIDE	5.0	5.0 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/KG
STYRENE	5.0	5.0 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/KG
TETRACHLOROETHENE	5.0	5.0 U	UG/KG
TOLUENE	5.0	5.0 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/KG
TRICHLOROETHENE	5.0	5.0 U	UG/KG
VINYL CHLORIDE	5.0	5.0 U	UG/KG
O-XYLENE	5.0	5.0 U	UG/KG
M+P-XYLENE	5.0	5.0 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(74 - 121 %)	99	%
TOLUENE-D8	(81 - 117 %)	103	%
DIBROMOFLUOROMETHANE	(80 - 120 %)	96	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 01/27/00

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled : **Order #:** 355022 **Sample Matrix:** SOIL/SEDIMENT
Date Received: **Submission #:** **Percent Solid:** 100

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/14/00			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACETONE	20	20 U	UG/KG
BENZENE	5.0	5.0 U	UG/KG
BROMODICHLOROMETHANE	5.0	5.0 U	UG/KG
BROMOFORM	5.0	5.0 U	UG/KG
BROMOMETHANE	5.0	5.0 U	UG/KG
2-BUTANONE (MEK)	10	10 U	UG/KG
CARBON DISULFIDE	10	10 U	UG/KG
CARBON TETRACHLORIDE	5.0	5.0 U	UG/KG
CHLOROBENZENE	5.0	5.0 U	UG/KG
CHLOROETHANE	5.0	5.0 U	UG/KG
CHLOROFORM	5.0	5.0 U	UG/KG
CHLOROMETHANE	5.0	5.0 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/KG
1,1-DICHLOROETHANE	5.0	5.0 U	UG/KG
1,2-DICHLOROETHANE	5.0	5.0 U	UG/KG
1,1-DICHLOROETHENE	5.0	5.0 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/KG
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/KG
ETHYLBENZENE	5.0	5.0 U	UG/KG
2-HEXANONE	10	10 U	UG/KG
METHYLENE CHLORIDE	5.0	5.0 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/KG
STYRENE	5.0	5.0 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/KG
TETRACHLOROETHENE	5.0	5.0 U	UG/KG
TOLUENE	5.0	5.0 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/KG
TRICHLOROETHENE	5.0	5.0 U	UG/KG
VINYL CHLORIDE	5.0	5.0 U	UG/KG
O-XYLENE	5.0	5.0 U	UG/KG
M+P-XYLENE	5.0	5.0 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(74 - 121 %)	87	%
TOLUENE-D8	(81 - 117 %)	100	%
DIBROMOFLUOROMETHANE	(80 - 120 %)	103	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 01/27/00

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled : **Order #:** 355023 **Sample Matrix:** SOIL/SEDIMEN
Date Received: **Submission #:** **Percent Solid:** 100

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/14/00			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACETONE	20	20 U	UG/KG
BENZENE	5.0	5.0 U	UG/KG
BROMODICHLOROMETHANE	5.0	5.0 U	UG/KG
BROMOFORM	5.0	5.0 U	UG/KG
BROMOMETHANE	5.0	5.0 U	UG/KG
2-BUTANONE (MEK)	10	10 U	UG/KG
CARBON DISULFIDE	10	10 U	UG/KG
CARBON TETRACHLORIDE	5.0	5.0 U	UG/KG
CHLOROBENZENE	5.0	5.0 U	UG/KG
CHLOROETHANE	5.0	5.0 U	UG/KG
CHLOROFORM	5.0	5.0 U	UG/KG
CHLOROMETHANE	5.0	5.0 U	UG/KG
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/KG
1,1-DICHLOROETHANE	5.0	5.0 U	UG/KG
1,2-DICHLOROETHANE	5.0	5.0 U	UG/KG
1,1-DICHLOROETHENE	5.0	5.0 U	UG/KG
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/KG
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/KG
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/KG
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/KG
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/KG
ETHYLBENZENE	5.0	5.0 U	UG/KG
2-HEXANONE	10	10 U	UG/KG
METHYLENE CHLORIDE	5.0	5.0 U	UG/KG
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/KG
STYRENE	5.0	5.0 U	UG/KG
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/KG
TETRACHLOROETHENE	5.0	5.0 U	UG/KG
TOLUENE	5.0	5.0 U	UG/KG
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/KG
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/KG
TRICHLOROETHENE	5.0	5.0 U	UG/KG
VINYL CHLORIDE	5.0	5.0 U	UG/KG
O-XYLENE	5.0	5.0 U	UG/KG
M+P-XYLENE	5.0	5.0 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(74 - 121 %)	96	%
TOLUENE-D8	(81 - 117 %)	100	%
DIBROMOFLUOROMETHANE	(80 - 120 %)	103	%

COLUMBIA ANALYTICAL SERVICES

Reported: 01/28/00

Frontier Technical Associates
Project Reference:1746 DALE RD (ET830)
Client Sample ID :4A68

Date Sampled : 01/07/00 **Order #:** 353235 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/10/00 **Submission #:** R2000458

ANALYTE	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	ANALYTICAL DILUTION	METHOD
WET CHEMISTRY						
PERCENT SOLIDS	1.0	83.2	%	01/12/00	1.0	160.0
TOTAL PETROLEUM HYDROCARBONS	33.0	51.7	MG/KG	01/13/00	1.0	418.1

COLUMBIA ANALYTICAL SERVICES

Reported: 01/28/00

Frontier Technical Associates
Project Reference:1746 DALE RD (ET830)
Client Sample ID :4A810

Date Sampled : 01/07/00 **Order #:** 353236 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/10/00 **Submission #:** R2000458

ANALYTE	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	ANALYTICAL DILUTION	METHOD
WET CHEMISTRY						
PERCENT SOLIDS	1.0	81.2	%	01/12/00	1.0	160.0
TOTAL PETROLEUM HYDROCARBONS	33.0	819	MG/KG	01/13/00	1.0	418.1

COLUMBIA ANALYTICAL SERVICES

Reported: 01/28/00

Frontier Technical Associates
Project Reference:1746 DALE RD (ET830)
Client Sample ID :5A68

Date Sampled : 01/06/00 **Order #:** 353241 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/10/00 **Submission #:** R2000458

ANALYTE	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	ANALYTICAL DILUTION	METHOD
WET CHEMISTRY						
PERCENT SOLIDS	1.0	81.8	%	01/12/00	1.0	160.0
TOTAL PETROLEUM HYDROCARBONS	33.0	46.7	MG/KG	01/13/00	1.0	418.1

COLUMBIA ANALYTICAL SERVICES

Reported: 01/28/00

Frontier Technical Associates
Project Reference:1746 DALE RD (ET830)
Client Sample ID :6A24

Date Sampled : 01/06/00 **Order #:** 353245 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/10/00 **Submission #:** R2000458

ANALYTE	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	ANALYTICAL DILUTION	METHOD
WET CHEMISTRY						
PERCENT SOLIDS	1.0	83.0	%	01/12/00	1.0	160.0
TOTAL PETROLEUM HYDROCARBONS	33.0	39.8 U	MG/KG	01/13/00	1.0	418.1

COLUMBIA ANALYTICAL SERVICES

Reported: 01/28/00

Frontier Technical Associates
Project Reference:1746 DALE RD (ET830)
Client Sample ID :6A1416

Date Sampled : 01/06/00 Order #: 353249 Sample Matrix: SOIL/SEDIMENT
Date Received: 01/10/00 Submission #: R2000458

ANALYTE	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	ANALYTICAL DILUTION	METHOD
WET CHEMISTRY						
PERCENT SOLIDS	1.0	89.1	%	01/12/00	1.0	160.0
TOTAL PETROLEUM HYDROCARBONS	33.0	37.0 U	MG/KG	01/13/00	1.0	418.1

COLUMBIA ANALYTICAL SERVICES

Reported: 01/28/00

Frontier Technical Associates
Project Reference:1746 DALE RD (ET830)
Client Sample ID :7A24

Date Sampled : 01/06/00 Order #: 353251 Sample Matrix: SOIL/SEDIMENT
Date Received: 01/10/00 Submission #: R2000458

ANALYTE	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	ANALYTICAL DILUTION	METHOD
WET CHEMISTRY						
PERCENT SOLIDS	1.0	85.4	%	01/12/00	1.0	160.0
TOTAL PETROLEUM HYDROCARBONS	33.0	149	MG/KG	01/13/00	1.0	418.1

COLUMBIA ANALYTICAL SERVICES

Reported: 01/28/00

Frontier Technical Associates
Project Reference:1746 DALE RD (ET830)
Client Sample ID :7A810

Date Sampled : 01/06/00 **Order #:** 353254 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/10/00 **Submission #:** R2000458

ANALYTE	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	ANALYTICAL DILUTION	METHOD
WET CHEMISTRY						
PERCENT SOLIDS	1.0	89.2	%	01/12/00	1.0	160.0
TOTAL PETROLEUM HYDROCARBONS	33.0	37.0 U	MG/KG	01/13/00	1.0	418.1

COLUMBIA ANALYTICAL SERVICES

Reported: 01/28/00

Frontier Technical Associates
Project Reference:1746 DALE RD (ET830)
Client Sample ID :8A810

Date Sampled : 01/06/00 **Order #:** 353260 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/10/00 **Submission #:** R2000458

ANALYTE	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	ANALYTICAL DILUTION	METHOD
WET CHEMISTRY						
PERCENT SOLIDS	1.0	88.2	%	01/12/00	1.0	160.0
TOTAL PETROLEUM HYDROCARBONS	33.0	58.3	MG/KG	01/13/00	1.0	418.1

COLUMBIA ANALYTICAL SERVICES

Reported: 01/28/00

Frontier Technical Associates
Project Reference:1746 DALE RD (ET830)
Client Sample ID :9A1012

Date Sampled : 01/07/00 **Order #:** 353334 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/10/00 **Submission #:** R2000458

ANALYTE	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	ANALYTICAL DILUTION	METHOD
WET CHEMISTRY						
PERCENT SOLIDS	1.0	89.6	%	01/12/00	1.0	160.0
TOTAL PETROLEUM HYDROCARBONS	33.0	36.8 U	MG/KG	01/13/00	1.0	418.1

COLUMBIA ANALYTICAL SERVICES

Reported: 01/28/00

Frontier Technical Associates
Project Reference:1746 DALE RD (ET830)
Client Sample ID :4A24

Date Sampled : 01/07/00 **Order #:** 353233 **Sample Matrix:** SOIL/SEDIMEN
Date Received: 01/10/00 **Submission #:** R2000458

ANALYTE	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	ANALYTICAL DILUTION	METHO
WET CHEMISTRY						
PERCENT SOLIDS	1.0	82.3	%	01/12/00	1.0	160.0

COLUMBIA ANALYTICAL SERVICES

Reported: 01/28/00

Frontier Technical Associates
Project Reference:1746 DALE RD (ET830)
Client Sample ID :4A46

Date Sampled : 01/07/00 **Order #:** 353234 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/10/00 **Submission #:** R2000458

ANALYTE	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	ANALYTICAL DILUTION	METHOD
WET CHEMISTRY						
PERCENT SOLIDS	1.0	79.8	%	01/12/00	1.0	160.0

COLUMBIA ANALYTICAL SERVICES

Reported: 01/28/00

Frontier Technical Associates
Project Reference:1746 DALE RD (ET830)
Client Sample ID :4A1416

Date Sampled : 01/07/00 **Order #:** 353237 **Sample Matrix:** SOIL/SEDIMEN
Date Received: 01/10/00 **Submission #:** R2000458

ANALYTE	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	ANALYTICAL DILUTION	METHO
WET CHEMISTRY						
PERCENT SOLIDS	1.0	88.9	%	01/12/00	1.0	160.0

COLUMBIA ANALYTICAL SERVICES

Reported: 01/28/00

Frontier Technical Associates
Project Reference:1746 DALE RD (ET830)
Client Sample ID :4A1820

Date Sampled : 01/07/00 **Order #:** 353238 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/10/00 **Submission #:** R2000458

ANALYTE	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	ANALYTICAL DILUTION	METHOD
WET CHEMISTRY						
PERCENT SOLIDS	1.0	91.3	%	01/12/00	1.0	160.0

COLUMBIA ANALYTICAL SERVICES

Reported: 01/28/00

Frontier Technical Associates
Project Reference:1746 DALE RD (ET830)
Client Sample ID :5A24

Date Sampled : 01/06/00 **Order #:** 353239 **Sample Matrix:** SOIL/SED
Date Received: 01/10/00 **Submission #:** R2000458

ANALYTE	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	ANALYTICAL DILUTION	M
WET CHEMISTRY						
PERCENT SOLIDS	1.0	91.4	%	01/12/00	1.0	16

COLUMBIA ANALYTICAL SERVICES

Reported: 01/28/00

Frontier Technical Associates
Project Reference:1746 DALE RD (ET830)
Client Sample ID :5A46

Date Sampled : 01/06/00 **Order #:** 353240 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/10/00 **Submission #:** R2000458

ANALYTE	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	ANALYTICAL DILUTION	METHOD
WET CHEMISTRY						
PERCENT SOLIDS	1.0	86.6	%	01/12/00	1.0	160.0

COLUMBIA ANALYTICAL SERVICES

Reported: 01/28/00

Frontier Technical Associates
Project Reference:1746 DALE RD (ET830)
Client Sample ID :5A810

Date Sampled : 01/06/00 **Order #:** 353242 **Sample Matrix:** SOIL/SED
Date Received: 01/10/00 **Submission #:** R2000458

ANALYTE	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	ANALYTICAL DILUTION	M
WET CHEMISTRY						
PERCENT SOLIDS	1.0	82.7	%	01/12/00	1.0	16

COLUMBIA ANALYTICAL SERVICES

Reported: 01/28/00

Frontier Technical Associates
Project Reference:1746 DALE RD (ET830)
Client Sample ID :5A1416

Date Sampled : 01/06/00 Order #: 353243 Sample Matrix: SOIL/SEDIMENT
Date Received: 01/10/00 Submission #: R2000458

ANALYTE	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	ANALYTICAL DILUTION	METHOD
WET CHEMISTRY						
PERCENT SOLIDS	1.0	85.6	%	01/12/00	1.0	160.0

COLUMBIA ANALYTICAL SERVICES

Reported: 01/28/00

Frontier Technical Associates
Project Reference:1746 DALE RD (ET830)
Client Sample ID :5A1820

Date Sampled : 01/06/00 Order #: 353244 Sample Matrix: SOIL/SED
Date Received: 01/10/00 Submission #: R2000458

ANALYTE	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	ANALYTICAL DILUTION	M
WET CHEMISTRY						
PERCENT SOLIDS	1.0	86.5	%	01/12/00	1.0	16

COLUMBIA ANALYTICAL SERVICES

Reported: 01/28/00

Frontier Technical Associates
Project Reference:1746 DALE RD (ET830)
Client Sample ID :6A46

Date Sampled : 01/06/00 **Order #:** 353246 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/10/00 **Submission #:** R2000458

ANALYTE	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	ANALYTICAL DILUTION	METHOD
WET CHEMISTRY						
PERCENT SOLIDS	1.0	80.8	%	01/12/00	1.0	160.0

COLUMBIA ANALYTICAL SERVICES

Reported: 01/28/00

Frontier Technical Associates
Project Reference:1746 DALE RD (ET830)
Client Sample ID :6A68

Date Sampled : 01/06/00 **Order #:** 353247 **Sample Matrix:** SOIL/SEDI
Date Received: 01/10/00 **Submission #:** R2000458

ANALYTE	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	ANALYTICAL DILUTION	ME
WET CHEMISTRY						
PERCENT SOLIDS	1.0	79.5	%	01/12/00	1.0	160

COLUMBIA ANALYTICAL SERVICES

Reported: 01/28/00

Frontier Technical Associates
Project Reference:1746 DALE RD (ET830)
Client Sample ID :6A810

Date Sampled : 01/06/00 **Order #:** 353248 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/10/00 **Submission #:** R2000458

ANALYTE	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	ANALYTICAL DILUTION	METHOD
WET CHEMISTRY						
PERCENT SOLIDS	1.0	82.8	%	01/12/00	1.0	160.0

COLUMBIA ANALYTICAL SERVICES

Reported: 01/28/00

Frontier Technical Associates
Project Reference:1746 DALE RD (ET830)
Client Sample ID :6A1820

Date Sampled : 01/06/00 **Order #:** 353250 **Sample Matrix:** SOIL/SEDIM
Date Received: 01/10/00 **Submission #:** R2000458

ANALYTE	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	ANALYTICAL DILUTION	MET
WET CHEMISTRY						
PERCENT SOLIDS	1.0	89.0	%	01/12/00	1.0	160.

COLUMBIA ANALYTICAL SERVICES

Reported: 01/28/00

Frontier Technical Associates
Project Reference:1746 DALE RD (ET830)
Client Sample ID :7A46

Date Sampled : 01/06/00 **Order #:** 353252 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/10/00 **Submission #:** R2000458

ANALYTE	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	ANALYTICAL DILUTION	METHOD
WET CHEMISTRY						
PERCENT SOLIDS	1.0	81.3	%	01/12/00	1.0	160.0

COLUMBIA ANALYTICAL SERVICES

Reported: 01/28/00

Frontier Technical Associates
Project Reference:1746 DALE RD (ET830)
Client Sample ID :7A68

Date Sampled : 01/06/00 **Order #:** 353253 **Sample Matrix:** SOIL/SEDIME
Date Received: 01/10/00 **Submission #:** R2000458

ANALYTE	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	ANALYTICAL DILUTION	METH
WET CHEMISTRY						
PERCENT SOLIDS	1.0	81.5	%	01/12/00	1.0	160.(

COLUMBIA ANALYTICAL SERVICES

Reported: 01/28/00

Frontier Technical Associates
Project Reference:1746 DALE RD (ET830)
Client Sample ID :7A1416

Date Sampled : 01/06/00 **Order #:** 353255 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/10/00 **Submission #:** R2000458

ANALYTE	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	ANALYTICAL DILUTION	METHOD
WET CHEMISTRY						
PERCENT SOLIDS	1.0	88.2	%	01/12/00	1.0	160.0

COLUMBIA ANALYTICAL SERVICES

Reported: 01/28/00

Frontier Technical Associates
Project Reference:1746 DALE RD (ET830)
Client Sample ID :7A1820

Date Sampled : 01/06/00 **Order #:** 353256 **Sample Matrix:** SOIL/SEDIME
Date Received: 01/10/00 **Submission #:** R2000458

ANALYTE	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	ANALYTICAL DILUTION	METH
WET CHEMISTRY						
PERCENT SOLIDS	1.0	89.9	%	01/12/00	1.0	160.0

COLUMBIA ANALYTICAL SERVICES

Reported: 01/28/00

Frontier Technical Associates
Project Reference:1746 DALE RD (ET830)
Client Sample ID :8A24

Date Sampled : 01/06/00 Order #: 353257 Sample Matrix: SOIL/SEDIMENT
Date Received: 01/10/00 Submission #: R2000458

ANALYTE	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	ANALYTICAL DILUTION	METHOD
WET CHEMISTRY						
PERCENT SOLIDS	1.0	80.9	%	01/12/00	1.0	160.0

COLUMBIA ANALYTICAL SERVICES

Reported: 01/28/00

Frontier Technical Associates
Project Reference:1746 DALE RD (ET830)
Client Sample ID :8A46

Date Sampled : 01/06/00 Order #: 353258 Sample Matrix: SOIL/SEDIMEN
Date Received: 01/10/00 Submission #: R2000458

ANALYTE	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	ANALYTICAL DILUTION	METHO
WET CHEMISTRY						
PERCENT SOLIDS	1.0	87.8	%	01/12/00	1.0	160.0

COLUMBIA ANALYTICAL SERVICES

Reported: 01/28/00

Frontier Technical Associates
Project Reference:1746 DALE RD (ET830)
Client Sample ID :8A68

Date Sampled : 01/06/00 **Order #:** 353259 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/10/00 **Submission #:** R2000458

ANALYTE	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	ANALYTICAL DILUTION	METHOD
WET CHEMISTRY						
PERCENT SOLIDS	1.0	86.7	%	01/12/00	1.0	160.0

COLUMBIA ANALYTICAL SERVICES

Reported: 01/28/00

Frontier Technical Associates
Project Reference:1746 DALE RD (ET830)
Client Sample ID :8A1416

Date Sampled : 01/06/00 **Order #:** 353261 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/10/00 **Submission #:** R2000458

ANALYTE	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	ANALYTICAL DILUTION	METHOD
WET CHEMISTRY						
PERCENT SOLIDS	1.0	89.4	%	01/12/00	1.0	160.0

COLUMBIA ANALYTICAL SERVICES

Reported: 01/28/00

Frontier Technical Associates
Project Reference:1746 DALE RD (ET830)
Client Sample ID :8A1820

Date Sampled : 01/06/00 **Order #:** 353262 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/10/00 **Submission #:** R2000458

ANALYTE	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	ANALYTICAL DILUTION	METHOD
WET CHEMISTRY						
PERCENT SOLIDS	1.0	89.2	%	01/12/00	1.0	160.0

COLUMBIA ANALYTICAL SERVICES

Reported: 01/28/00

Frontier Technical Associates
Project Reference:1746 DALE RD (ET830)
Client Sample ID :9A24

Date Sampled : 01/06/00 **Order #:** 353263 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/10/00 **Submission #:** R2000458

ANALYTE	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	ANALYTICAL DILUTION	METHOD
WET CHEMISTRY						
PERCENT SOLIDS	1.0	84.4	%	01/12/00	1.0	160.0

COLUMBIA ANALYTICAL SERVICES

Reported: 01/28/00

Frontier Technical Associates
Project Reference:1746 DALE RD (ET830)
Client Sample ID :9A46

Date Sampled : 01/06/00 **Order #:** 353264 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/10/00 **Submission #:** R2000458

ANALYTE	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	ANALYTICAL DILUTION	METHOD
WET CHEMISTRY						
PERCENT SOLIDS	1.0	80.8	%	01/12/00	1.0	160.0

COLUMBIA ANALYTICAL SERVICES

Reported: 01/28/00

Frontier Technical Associates
Project Reference:1746 DALE RD (ET830)
Client Sample ID :9A68

Date Sampled : 01/06/00 **Order #:** 353265 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/10/00 **Submission #:** R2000458

ANALYTE	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	ANALYTICAL DILUTION	METHOD
WET CHEMISTRY						
PERCENT SOLIDS	1.0	83.0	%	01/12/00	1.0	160.0

COLUMBIA ANALYTICAL SERVICES

Reported: 01/28/00

Frontier Technical Associates
Project Reference:1746 DALE RD (ET830)
Client Sample ID :9A810

Date Sampled : 01/06/00 **Order #:** 353266 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/10/00 **Submission #:** R2000458

ANALYTE	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	ANALYTICAL DILUTION	METHOD
WET CHEMISTRY						
PERCENT SOLIDS	1.0	90.6	%	01/12/00	1.0	160.0

COLUMBIA ANALYTICAL SERVICES

Reported: 01/28/00

Frontier Technical Associates
Project Reference:1746 DALE RD (ET830)
Client Sample ID :9A1416

Date Sampled : 01/06/00 **Order #:** 353267 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/10/00 **Submission #:** R2000458

ANALYTE	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	ANALYTICAL DILUTION	METHOD
WET CHEMISTRY						
PERCENT SOLIDS	1.0	86.1	%	01/12/00	1.0	160.0

COLUMBIA ANALYTICAL SERVICES

INORGANIC QUALITY CONTROL SUMMARY

Report Date : 01/27/00
CAS Order # : 353233 - 4A24
Client : Frontier Technical Associates
1746 DALE RD (ET830)
Reported Units: %
Run # : 46788

	PRECISION		
	ORIGINAL	DUPLICATE	RPD
PERCENT SOLIDS	82.3	82.6	0

COLUMBIA ANALYTICAL SERVICES

Reported: 01/28/00

Frontier Technical Associates
Project Reference:1746 DALE RD (ET830)
Client Sample ID :9A1820

Date Sampled : 01/06/00 Order #: 353268
Date Received: 01/10/00 Submission #: R2000458
Sample Matrix: SOIL/SEDIMENT

ANALYTE	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	ANALYTICAL DILUTION	METHOD
WET CHEMISTRY						
PERCENT SOLIDS	1.0	89.3	%	01/12/00	1.0	160.0

INORGANIC

COLUMBIA ANALYTICAL SERVICES

INORGANIC BLANK SPIKE SUMMARY

CAS Submission #: R2000458
Client: Frontier Technical Associates
1746 DALE RD (ET830)

BLANK SPIKES

	BLANK	FOUND	ADDED	% REC	LIMITS	RUN	UNITS
TOTAL PETROLEUM HYDROCARBONS	33.0 U	287	289	99	70 - 130	46818	MG/KG

COLUMBIA ANALYTICAL SERVICES

INORGANIC QUALITY CONTROL SUMMARY

Report Date : 01/27/00
CAS Order # : 353253 - 7A68
Client : Frontier Technical Associates
1746 DALE RD (ET830)
Reported Units: %
Run # : 46788

PRECISION

	ORIGINAL	DUPLICATE	RPD
PERCENT SOLIDS	81.5	81.8	0

COLUMBIA ANALYTICAL SERVICES

QUALITY CONTROL SUMMARY MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
SOIL/SEDIMENT

Spiked Order No. : 353253 Frontier Technical Associates

Client ID: 7A68

Test: 8260B TCL

Analytical Units: UG/KG

Run Number : 47019

Percent Solid : 81.5

ANALYTE	SPIKE ADDED	SAMPLE CONCENT.	MATRIX SPIKE FOUND	MATRIX SPIKE % REC.	MATRIX SPIKE DUP. FOUND	MATRIX SPIKE DUP. % REC.	RPD	QC LIMITS RPD	QC LIMITS REC.
BENZENE	61.3	0	56.4	92	61.3	100	8	21	66 - 142
CHLOROBENZENE	61.3	0	60.1	98	61.3	100	2	21	60 - 133
1,1-DICHLOROETHENE	61.3	0	55.2	90	58.9	96	6	22	59 - 172
TOLUENE	61.3	0	61.3	100	66.3	108	8	21	59 - 139
TRICHLOROETHENE	61.3	18400	98.2	D	147	D	40 *	24	62 - 137

COLUMBIA ANALYTICAL SERVICES

QUALITY CONTROL SUMMARY MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
SOIL/SEDIMENT

Spiked Order No. : 353233 Frontier Technical Associates

Client ID: 4A24

Test: 8260B TCL

Analytical Units: UG/KG

Run Number : 47019

Percent Solid : 82.3

ANALYTE	SPIKE ADDED	SAMPLE CONCENT.	MATRIX SPIKE FOUND	MATRIX SPIKE % REC.	MATRIX SPIKE DUP. FOUND	MATRIX SPIKE DUP. % REC.	RPD	QC LIMITS RPD	QC LIMITS REC.
BENZENE	60.8	0	55.9	92	60.8	100	8	21	66 - 142
CHLOROBENZENE	60.8	0	59.5	98	60.8	100	2	21	60 - 133
1,1-DICHLOROETHENE	60.8	0	54.7	90	58.3	96	6	22	59 - 172
TOLUENE	60.8	0	60.8	100	65.6	108	8	21	59 - 139
TRICHLOROETHENE	60.8	75.3	97.2	36 *	146	116	40 *	24	62 - 137

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: 8260B TCL

LABORATORY REFERENCE SPIKE SUMMARY

REFERENCE ORDER #: 355025 ANALYTICAL RUN # : 47019

DATE ANALYZED : 01/11/00
ANALYTICAL DILUTION: 1.0

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
ACETONE	20	59	21 - 165
BENZENE	20	96	37 - 151
BROMODICHLOROMETHANE	20	97	35 - 155
BROMOFORM	20	94	45 - 169
BROMOMETHANE	20	75	10 - 242
2-BUTANONE (MEK)	20	87	25 - 162
CARBON DISULFIDE	20	77	45 - 148
CARBON TETRACHLORIDE	20	102	70 - 140
CHLOROBENZENE	20	96	37 - 160
CHLOROETHANE	20	90	53 - 149
CHLOROFORM	20	93	51 - 138
CHLOROMETHANE	20	77	10 - 273
DIBROMOCHLOROMETHANE	20	95	53 - 149
1,1-DICHLOROETHANE	20	87	59 - 155
1,2-DICHLOROETHANE	20	91	49 - 155
1,1-DICHLOROETHENE	20	92	10 - 234
CIS-1,2-DICHLOROETHENE	20	90	54 - 156
TRANS-1,2-DICHLOROETHENE	20	96	54 - 156
1,2-DICHLOROPROPANE	20	93	10 - 210
CIS-1,3-DICHLOROPROPENE	20	103	10 - 227
TRANS-1,3-DICHLOROPROPENE	20	97	17 - 183
ETHYLBENZENE	20	96	37 - 162
2-HEXANONE	20	74	22 - 155
METHYLENE CHLORIDE	20	93	10 - 221
4-METHYL-2-PENTANONE (MIBK)	20	97	46 - 157
STYRENE	20	96	66 - 144
1,1,2,2-TETRACHLOROETHANE	20	94	46 - 157
TETRACHLOROETHENE	20	95	64 - 148
TOLUENE	20	98	47 - 150
1,1,1-TRICHLOROETHANE	20	95	52 - 162
1,1,2-TRICHLOROETHANE	20	93	52 - 150
TRICHLOROETHENE	20	96	71 - 157
VINYL CHLORIDE	20	73	10 - 251
O-XYLENE	20	94	71 - 135
M+P-XYLENE	40	94	71 - 135

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: 8260B TCL

LABORATORY REFERENCE SPIKE SUMMARY

REFERENCE ORDER #: 355029 ANALYTICAL RUN # : 47019

DATE ANALYZED : 01/12/00
ANALYTICAL DILUTION: 1.0

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
ACETONE	20	56	21 - 165
BENZENE	20	98	37 - 151
BROMODICHLOROMETHANE	20	98	35 - 155
BROMOFORM	20	92	45 - 169
BROMOMETHANE	20	145	10 - 242
2-BUTANONE (MEK)	20	90	25 - 162
CARBON DISULFIDE	20	84	45 - 148
CARBON TETRACHLORIDE	20	102	70 - 140
CHLOROBENZENE	20	98	37 - 160
CHLOROETHANE	20	92	53 - 149
CHLOROFORM	20	97	51 - 138
CHLOROMETHANE	20	86	10 - 273
DIBROMOCHLOROMETHANE	20	95	53 - 149
1,1-DICHLOROETHANE	20	93	59 - 155
1,2-DICHLOROETHANE	20	93	49 - 155
1,1-DICHLOROETHENE	20	97	10 - 234
CIS-1,2-DICHLOROETHENE	20	96	54 - 156
TRANS-1,2-DICHLOROETHENE	20	97	54 - 156
1,2-DICHLOROPROPANE	20	93	10 - 210
CIS-1,3-DICHLOROPROPENE	20	102	10 - 227
TRANS-1,3-DICHLOROPROPENE	20	94	17 - 183
ETHYLBENZENE	20	97	37 - 162
2-HEXANONE	20	74	22 - 155
METHYLENE CHLORIDE	20	96	10 - 221
4-METHYL-2-PENTANONE (MIBK)	20	93	46 - 157
STYRENE	20	95	66 - 144
1,1,2,2-TETRACHLOROETHANE	20	92	46 - 157
TETRACHLOROETHENE	20	97	64 - 148
TOLUENE	20	99	47 - 150
1,1,1-TRICHLOROETHANE	20	100	52 - 162
1,1,2-TRICHLOROETHANE	20	96	52 - 150
TRICHLOROETHENE	20	101	71 - 157
VINYL CHLORIDE	20	84	10 - 251
O-XYLENE	20	96	71 - 135
M+P-XYLENE	40	95	71 - 135

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: 8260B TCL

LABORATORY REFERENCE SPIKE SUMMARY

REFERENCE ORDER #: 355034 ANALYTICAL RUN # : 47019

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
DATE ANALYZED : 01/13/00			
ANALYTICAL DILUTION: 1.0			
ACETONE	20	65	21 - 165
BENZENE	20	96	37 - 151
BROMODICHLOROMETHANE	20	91	35 - 155
BROMOFORM	20	87	45 - 169
BROMOMETHANE	20	94	10 - 242
2-BUTANONE (MEK)	20	83	25 - 162
CARBON DISULFIDE	20	81	45 - 148
CARBON TETRACHLORIDE	20	95	70 - 140
CHLOROBENZENE	20	98	37 - 160
CHLOROETHANE	20	98	53 - 149
CHLOROFORM	20	88	51 - 138
CHLOROMETHANE	20	97	10 - 273
DIBROMOCHLOROMETHANE	20	88	53 - 149
1,1-DICHLOROETHANE	20	90	59 - 155
1,2-DICHLOROETHANE	20	89	49 - 155
1,1-DICHLOROETHENE	20	91	10 - 234
CIS-1,2-DICHLOROETHENE	20	88	54 - 156
TRANS-1,2-DICHLOROETHENE	20	92	54 - 156
1,2-DICHLOROPROPANE	20	95	10 - 210
CIS-1,3-DICHLOROPROPENE	20	98	10 - 227
TRANS-1,3-DICHLOROPROPENE	20	94	17 - 183
ETHYLBENZENE	20	103	37 - 162
2-HEXANONE	20	83	22 - 155
METHYLENE CHLORIDE	20	95	10 - 221
4-METHYL-2-PENTANONE (MIBK)	20	92	46 - 157
STYRENE	20	99	66 - 144
1,1,2,2-TETRACHLOROETHANE	20	99	46 - 157
TETRACHLOROETHENE	20	108	64 - 148
TOLUENE	20	102	47 - 150
1,1,1-TRICHLOROETHANE	20	91	52 - 162
1,1,2-TRICHLOROETHANE	20	94	52 - 150
TRICHLOROETHENE	20	98	71 - 157
VINYL CHLORIDE	20	90	10 - 251
O-XYLENE	20	100	71 - 135
M+P-XYLENE	40	104	71 - 135

Columbia Analytical Services, Inc.
Mustard St., Suite 250, Rochester, NY 14609-69245
(716) 288-5380 • FAX (716) 288-8475

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

DATE 1/6/00 PAGE 2 OF 6

PROJECT NAME 1746 Dale Rd (ET830)
PROJECT MANAGER/CONTACT Dr. P.M. Terlecky
COMPANY/ADDRESS FTA 5675 Sheridan Dr Buffalo NY 14221
TEL (716) 634-2293 FAX (716) 634-2344
SAMPLER'S SIGNATURE

ANALYSIS REQUESTED

SAMPLE I.D.	DATE	TIME	FOR OFFICE USE ONLY LAB I.D	SAMPLE MATRIX	# OF CONTAINERS	GC/MS VOA's X 8260 ☐ 624 ☐ 95-1	GC/MS SVOA's ☐ 8270 ☐ 625 ☐ 95-2	GC VOA's ☐ 8021 ☐ 601/602	PESTICIDES/PCB's ☐ 8081 ☐ 608 ☐ 95-3	STARS LIST 8021 VOA's ☐ TOTAL ☐ TCLP	STARS LIST 8270 SVOA's ☐ TOTAL ☐ TCLP	TCLP ☐ METALS ☐ VOA's ☐ SVOA's ☐ H/P	WASTE CHARACTERIZATION ☐ React ☐ Corros. ☐ Ignit	METALS, TOTAL (LIST BELOW)	METALS, DISSOLVED (LIST BELOW)	TPH	PRESERVATION pH < 2.0	pH > 12	Other
5A 24	1/6/00	10:00	353239	Soil	1	✓													
5A 46		10:05	40		1	✓													
5A 68		10:10	41		1	✓													
5A 810		10:15	42		1	✓													
5A 1416		10:22	43		1	✓													
5A 1820		10:30	44		1	✓													
5A 68	↓	10:10	41 ~~MS MSD~~	↓	1											✓			

RELINQUISHED BY: Signature P.M. Terlecky; Printed Name P.M. Terlecky; Firm FTA; Date/Time 1/10/00 12:25P

RECEIVED BY: Signature J. Brith; Printed Name J.J. Brith; Firm CAS; Date/Time 1/10/00 12:25P

RELINQUISHED BY: Signature J. Brith; Printed Name J.J. Brith; Firm CAS; Date/Time 1/10/00 3:35P

RECEIVED BY: Signature Gregory O. Esmerian; Printed Name Gregory O. Esmerian; Firm CAS; Date/Time 1-10-00 14:35

RELINQUISHED BY: Signature; Printed Name; Firm; Date/Time

RECEIVED BY: Signature; Printed Name; Firm; Date/Time

TURNAROUND REQUIREMENTS
__ 24 hr __ 48 hr __ 5 day
X Standard (10-15 working days)
__ Provide Verbal Preliminary Results
✓ Provide FAX Preliminary Results
Requested Report Date

REPORT REQUIREMENTS
✓ 1 Routine Report
__ 2 Routine Rep. w/CASE Narrative
__ 3 EPA Level III Validatable Package
__ 4 N.J. Reduced Deliverables Level IV
__ 5 NY ASP/CLP Deliverables
__ 6 Site specific QC

INVOICE INFORMATION:
P.O. # Quote 3127
Bill To
See Marlene

SAMPLE RECEIPT:
Shipping Via CAS
Shipping #
Temperature 0.1
Submission No R000458

SPECIAL INSTRUCTIONS/COMMENTS:
METALS
ORGANICS ☐ TCL ☐ PPL ☐ AE Only ☐ BN Only ☐ Special List

4A

Columbia Analytical Services, Inc.
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CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

DATE 1/7/00 PAGE 1 OF 6

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PROJECT MANAGER/CONTACT Dr. P.M. Terlecky
COMPANY/ADDRESS FTA 5675 Sheridan Dr Buffalo NY 14221
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SAMPLER'S SIGNATURE

ANALYSIS REQUESTED

SAMPLE I.D	DATE	TIME	FOR OFFICE USE ONLY LAB I.D.	SAMPLE MATRIX	# OF CONTAINERS	GC/MS VOA's X 8260 ☐ 624 ☐ 95-1	GC/MS SVOA's ☐ 8270 ☐ 625 ☐ 95-2	GC VOA's ☐ 8021 ☐ 601/602	PESTICIDES/PCB's ☐ 8081 ☐ 608 ☐ 95-3	STARS LIST 8021 VOA's ☐ TOTAL ☐ TCLP	STARS LIST 8270 SVOA's ☐ TOTAL ☐ TCLP	TCLP ☐ METALS ☐ VOA's ☐ SVOA's ☐ H/P	WASTE CHARACTERIZATION ☐ React ☐ Corros. ☐ Ignit	METALS, TOTAL (LIST BELOW)	METALS, DISSOLVED (LIST BELOW)	TPH	PRESERVATION pH < 2.0	pH > 12	Other
4A 24	1/7/00	1:30	353233	Soil	1	✓													
4A 46		1:35	34		1	✓													
4A 68		1:40	35		1	✓													
4A 810		1:45	36		1	✓													
4A 1416		1:52	37		1	✓													
4A 1820		2:00	38		1	✓													
4A 68		1:40	~~35 MS MSD~~		1											✓			
4A 810	↓	1:45	~~36~~	↓	1											✓			

RELINQUISHED BY: Signature P.M. Terlecky; Printed Name P.M. Terlecky; Firm FTA; Date/Time 1/10/00 12:25P

RECEIVED BY: Signature J. Brith; Printed Name J.J. Brith; Firm CAS; Date/Time 1/10/00 12:25P

RELINQUISHED BY: Signature J. Brith; Printed Name J.J. Brith; Firm CAS; Date/Time 1/10/00 2:35P

RECEIVED BY: Signature Gregory O. Esmerian; Printed Name Gregory O. Esmerian; Firm CAS; Date/Time 1-10-00 14:35

RELINQUISHED BY: Signature; Printed Name; Firm; Date/Time

RECEIVED BY: Signature; Printed Name; Firm; Date/Time

TURNAROUND REQUIREMENTS
__ 24 hr __ 48 hr __ 5 day
X Standard (10-15 working days)
__ Provide Verbal Preliminary Results
X Provide FAX Preliminary Results
Requested Report Date

REPORT REQUIREMENTS
✓ 1 Routine Report
__ 2 Routine Rep. w/CASE Narrative
__ 3 EPA Level III Validatable Package
__ 4 N.J. Reduced Deliverables Level IV
__ 5 NY ASP/CLP Deliverables
__ 6 Site specific QC

INVOICE INFORMATION:
P.O. # Quote 3127
Bill To
See Marlene

SAMPLE RECEIPT:
Shipping Via CAS
Shipping #
Temperature 0.1
Submission No R000458

SPECIAL INSTRUCTIONS/COMMENTS
METALS
ORGANICS ☐ TCL ☐ PPL ☐ AE Only ☐ BN Only ☐ Special List

Columbia Analytical Services

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CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

DATE 1/6/00 PAGE 4 OF 6

PROJECT NAME 1746 Dale Rd (ET830)
PROJECT MANAGER/CONTACT Dr. P.M. Terlecky
COMPANY/ADDRESS FTA 3675 Sheridan Dr.
Buffalo NY 14221
TEL (716) 634-2293 FAX (716) 634-2344
SAMPLER'S SIGNATURE [signature]

ANALYSIS REQUESTED

SAMPLE I.D.	DATE	TIME	FOR OFFICE USE ONLY LAB I.D	SAMPLE MATRIX	# OF CONTAINERS	GC/MS VOA's ☐ 8260 ☐ 624 ☐ 95-1	GC/MS SVOA's ☐ 8270 ☐ 625 ☐ 95-2	GC VOA's ☐ 8021 ☐ 601/602	PESTICIDES/PCB's ☐ 8081 ☐ 608 ☐ 95-3	STARS LIST 8021 VOA's ☐ TOTAL ☐ TCLP	STARS LIST 8270 SVOA's ☐ TOTAL ☐ TCLP	TCLP ☐ METALS ☐ VOA's ☐ SVOA's ☐ H/P	WASTE CHARACTERIZATION ☐ React ☐ Corros ☐ Ignit	METALS, TOTAL (LIST BELOW)	METALS, DISSOLVED (LIST BELOW)	TPH	PRESERVATION pH < 2.0	pH > 12	Other
7A24	1/6/00	2:30	353251	Soil		✓													
7A46		2:35	52			✓													
7A68		2:40	53			✓													
7A810		2:45	54			✓													
7A1416		2:50	55			✓													
7A1820		2:55	56			✓													
7A24		2:30	51 ~~24~~													✓			
7A810		2:45	54 ~~48~~													✓			

RELINQUISHED BY: [signature] P.M. Terlecky, FTA, 1/10/00 12:25P
RECEIVED BY: [signature] D.B.K.H, CAS, 1/10/00 12:25P
RELINQUISHED BY: [signature] D.B.K.H, CAS, 1/10/00 2:35P
RECEIVED BY: [signature] Gregory A. Emerson, CAS, 1-10-00 14:35
RELINQUISHED BY:
RECEIVED BY:

TURNAROUND REQUIREMENTS
__ 24 hr __ 48 hr __ 5 day
✓ Standard (10-15 working days)
__ Provide Verbal Preliminary Results
✓ Provide FAX Preliminary Results
Requested Report Date

REPORT REQUIREMENTS
✓ 1 Routine Report
__ 2 Routine Rep. w/CASE Narrative
__ 3 EPA Level III Validatable Package
__ 4 N.J. Reduced Deliverables Level IV
__ 5 NY ASP/CLP Deliverables
__ 6 Site specific QC

INVOICE INFORMATION:
P.O. # Quote 3127
Bill To
See marked

SAMPLE RECEIPT:
Shipping Via CAS
Shipping #
Temperature 0.1
Submission No R200458

SPECIAL INSTRUCTIONS/COMMENTS:
METALS
ORGANICS ☐ TCL ☐ PPL ☐ AE Only ☐ BN Only ☐ Special List

6A

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CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

DATE 1/6/00 PAGE 3 OF 6

PROJECT NAME 1746 Dale Rd ET830
PROJECT MANAGER/CONTACT Dr P.M. Terlecky
COMPANY/ADDRESS FTA 3675 Sheridan Dr
Buffalo NY 14221
TEL (716) 634-2293 FAX (716) 634-2344
SAMPLER'S SIGNATURE [signature]

ANALYSIS REQUESTED

SAMPLE I.D	DATE	TIME	FOR OFFICE USE ONLY LAB I.D.	SAMPLE MATRIX	# OF CONTAINERS	GC/MS VOA's ☐ 8260 ☐ 624 ☐ 95-1	GC/MS SVOA's ☐ 8270 ☐ 625 ☐ 95-2	GC VOA's ☐ 8021 ☐ 601/602	PESTICIDES/PCB's ☐ 8081 ☐ 608 ☐ 95-3	STARS LIST 8021 VOA's ☐ TOTAL ☐ TCLP	STARS LIST 8270 SVOA's ☐ TOTAL ☐ TCLP	TCLP ☐ METALS ☐ VOA's ☐ SVOA's ☐ H/P	WASTE CHARACTERIZATION ☐ React ☐ Corros ☐ Ignit	METALS, TOTAL (LIST BELOW)	METALS, DISSOLVED (LIST BELOW)	TPH	PRESERVATION pH < 2.0	pH > 12	Other
6A24	1/6/00	1:00	353245	Soil	1	✓													
6A46		1:05	46		1	✓													
6A68		1:10	47		1	✓													
6A810		1:15	48		1	✓													
6A1416		1:20	49		1	✓													
6A1820		1:25	50		1	✓													
6A24		1:00	45 ~~32~~ 48		1											✓			
6A1416		1:20	49 ~~33~~		1											✓			

RELINQUISHED BY: [signature] P.M. Terlecky, FTA, 1/10/00 12:25P
RECEIVED BY: [signature] D.B.K.H, CAS, 1/10/00 12:25P
RELINQUISHED BY: [signature] D.B.K.H, CAS, 1/10/00 2:35P
RECEIVED BY: [signature] Gregory A. Emerson, CAS, 1-10-00 14:35
RELINQUISHED BY:
RECEIVED BY:

TURNAROUND REQUIREMENTS
__ 24 hr __ 48 hr __ 5 day
✓ Standard (10-15 working days)
__ Provide Verbal Preliminary Results
✓ Provide FAX Preliminary Results
Requested Report Date

REPORT REQUIREMENTS
✓ 1 Routine Report
__ 2 Routine Rep. w/CASE Narrative
__ 3 EPA Level III Validatable Package
__ 4 N.J. Reduced Deliverables Level IV
__ 5 NY ASP/CLP Deliverables
__ 6 Site specific QC

INVOICE INFORMATION:
P.O. # Quote 3127
Bill To
See marked

SAMPLE RECEIPT:
Shipping Via CAS
Shipping #
Temperature 0.1
Submission No R200458

SPECIAL INSTRUCTIONS/COMMENTS:
METALS
ORGANICS: ☐ TCL ☐ PPL ☐ AE Only ☐ BN Only ☐ Special List

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CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

DATE 1/7/00 PAGE 6 OF 6

PROJECT NAME 1746 Dale Rd (ET830)
PROJECT MANAGER/CONTACT Dr. P.M. Terlecky
COMPANY/ADDRESS FTA 8675 Sheridan Dr. Buffalo NY 14221
TEL (716) 634 2293 FAX (716) 634-2344
SAMPLER'S SIGNATURE

ANALYSIS REQUESTED

SAMPLE I.D.	DATE	TIME	FOR OFFICE USE ONLY LAB I D	SAMPLE MATRIX	# OF CONTAINERS	GC/MS VOA's ☐ 624 ☐ 95-1	GC/MS SVOA's ☐ 625 ☐ 95-2	GC VOA's 8021 ☐ 601/602	PESTICIDES/PCB's 8081 ☐ 608 ☐ 95-3	STARS LIST 8021 VOA's ☐ TOTAL ☐ TCLP	STARS LIST 8270 SVOA's TOTAL ☐ TCLP	TCLP ☐ METALS VOAs ☐ SVOAs ☐ H/P	WASTE CHARACTERIZATION ☐ React ☐ Corros. ☐ Ignit	METALS, TOTAL (LIST BELOW)	METALS, DISSOLVED (LIST BELOW)	TPH	PRESERVATION pH < 2	pH > 12	Other
9A24	1/7/00	11:00	353263	Soil	1	✓													
9A46		11:05	64		1	✓													
9A68		11:10	65		1	✓													
9A810		11:15	66		1	✓													
9A1416		11:25	67		1	✓													
9A1820		11:30	68		1	✓													
9A1012	↓	11:20	~~DUPE~~	↓	1											✓			

RELINQUISHED BY: Signature / Printed Name FTA / Firm 1/10/00 12:25P / Date/Time
RECEIVED BY: Signature / Printed Name CAS / Firm 1/10/00 12:25P / Date/Time

RELINQUISHED BY: Signature / Printed Name CAS / Firm 1/10/00 2:35P / Date/Time
RECEIVED BY: Signature / Printed Name CAS / Firm 01-10-00 14:35 / Date/Time

RELINQUISHED BY: Signature / Printed Name / Firm / Date/Time
RECEIVED BY: Signature / Printed Name / Firm / Date/Time

TURNAROUND REQUIREMENTS
__ 24 hr __ 48 hr __ 5 day
X Standard (10-15 working days)
__ Provide Verbal Preliminary Results
✓ Provide FAX Preliminary Results
Requested Report Date __

REPORT REQUIREMENTS
✓ 1. Routine Report
__ 2. Routine Rep. w/CASE Narrative
__ 3. EPA Level III Validatable Package
__ 4. N.J. Reduced Deliverables Level IV
__ 5. NY ASP/CLP Deliverables
__ 6. Site Specific QC

INVOICE INFORMATION:
PO # Quote 3127
Bill To
See Marlene

SAMPLE RECEIPT
Shipping Via CAS
Shipping #
Temperature 0.1
Submission No R200458

SPECIAL INSTRUCTIONS/COMMENTS:
METALS
ORGANICS ☐ TCL ☐ PPL ☐ AE Only ☐ BN Only ☐ Special List

SA

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CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

DATE 1/7/00 PAGE 5 OF 6

PROJECT NAME 1746 Dale Rd (ET830)
PROJECT MANAGER/CONTACT Dr. P.M. Terlecky
COMPANY/ADDRESS FTA 8675 Sheridan Dr. Buffalo NY 14221
TEL (716) 634 2293 FAX (716) 634-2344
SAMPLER'S SIGNATURE

ANALYSIS REQUESTED

SAMPLE I D	DATE	TIME	FOR OFFICE USE ONLY LAB I D	SAMPLE MATRIX	# OF CONTAINERS	GC/MS VOA's ☐ 624 ☐ 95-1	GC/MS SVOA's ☐ 625 ☐ 95-2	GC VOA's 8021 ☐ 601/602	PESTICIDES/PCB's 8081 ☐ 608 ☐ 95-3	STARS LIST 8021 VOA's TOTAL ☐ TCLP	STARS LIST 8270 SVOA's TOTAL ☐ TCLP	TCLP ☐ METALS VOAs ☐ SVOAs ☐ H/P	WASTE CHARACTERIZATION ☐ React ☐ Corros ☐ Ignit	METALS, TOTAL (LIST BELOW)	METALS, DISSOLVED (LIST BELOW)	TPH	PRESERVATION pH < 2	pH > 12	Other
8A24	1/7/00	9:05	353257	Soil		✓													
8A46	1/7/00	9:12	58			✓													
8A68	1/7/00	9:20	59			✓													
8A810	1/7/00	9:30	60			✓													
8A1416	1/7/00	9:50	61			✓													
8A1820	1/7/00	9:55	62			✓													
8A810	1/7/00	9:30	6075	↓												✓			

RELINQUISHED BY: Signature / Printed Name FTA / Firm 1/10/00 12:25P / Date/Time
RECEIVED BY: Signature / Printed Name CAS / Firm 1/10/00 12:25P / Date/Time

RELINQUISHED BY: Signature / Printed Name CAS / Firm 1/10/00 2:35P / Date/Time
RECEIVED BY: Signature / Printed Name CAS / Firm 1-10-00 14:35 / Date/Time

RELINQUISHED BY: Signature / Printed Name / Firm / Date/Time
RECEIVED BY: Signature / Printed Name / Firm / Date/Time

TURNAROUND REQUIREMENTS
__ 24 hr __ 48 hr __ 5 day
__ Standard (10-15 working days)
__ Provide Verbal Preliminary Results
__ Provide FAX Preliminary Results
Requested Report Date

REPORT REQUIREMENTS
__ 1. Routine Report
__ 2. Routine Rep. w/CASE Narrative
__ 3. EPA Level III Validatable Package
__ 4. N.J. Reduced Deliverables Level
__ 5. NY ASP/CLP Deliverables
__ 6. Site Specific QC

INVOICE INFORMATION:
PO # Quote 3127
Bill To
See Marlene

SAMPLE RECEIPT
Shipping Via CAS
Shipping #
Temperature 0.1
Submission No R200458

SPECIAL INSTRUCTIONS/COMMENTS:
METALS
ORGANICS ☐ TCL ☐ PPL ☐ AE Only ☐ BN Only ☐ Special List

Columbia Analytical Services Inc.
Cooler Receipt And Preservation Check Form

Project/Client Frontier Submission Number R2-458

Cooler received on 1-10-00 by: ME COURIER: (CAS) UPS FEDEX CD&L CLIENT

1. Were custody seals on outside of cooler? YES (NO) Date___ : Signature
2. Were custody papers properly filled out (ink, signed, etc.)? (YES) NO
3. Did all bottles arrive in good condition (unbroken)? (YES) NO
4. Were VOA vials checked for absence of air bubbles, and noted if so? YES NO
5. Were **Ice** or **Ice packs** present? (YES) NO
6. Where did the bottles originate? (CAS/ROC) CLIENT
7. Temperature of cooler(s) upon receipt: 0.1 ____ ____ ____ ____

Is the temperature within 0° - 6° C?:	Yes ☒	Yes ☐	Yes ☐	Yes ☐	Yes ☐
If No, Explain Below	No ☐	No ☐	No ☐	No ☐	No ☐

Date/Time Temperatures Taken: 1-10-00 14:40

Thermometer ID: 161 (Temp Blank) Sample Bottle Cooler Temp. IR. Gun

If out of Temperature, Client Approval to Run Samples ____

Cooler Breakdown: Date: 1-11-00 by: ME

1. Were all bottle labels complete (*i.e.* analysis, preservation, etc.)? (YES) NO
2. Did all bottle labels and tags agree with custody papers? (YES) NO
3. Were correct bottles used for the tests indicated? (YES) NO

Explain any discrepancies: ____

		YES	NO	Sample I.D.	Reagent	Vol. Added
pH	Reagent					
12	NaOH					
2	HNO_3					
2	H_2SO_4					
5-9*	P/PCBs (608 only)					

YES = All samples OK NO = Samples were preserved at lab as listed PC OK to adjust pH ____

*If pH adjustment is required, use NaOH and/or H_2SO_4

VOC Vial pH Verification (Tested after Analysis) Following Samples Exhibited pH > 2				