Pinnacle GeoSciences

13620 NE 20th Street, Suite J
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September 14, 1999

Mr. Mark Gavin
Scott Dry Cleaners
201 - 4th Place South
Renton, Washington 98055

Interim Report
Soil Sampling
Scott Dry Cleaners Property
Renton, Washington
File No. 0145-002

Dear Mr. Gavin,

This letter transmits our interim report summarizing our findings and recommendations with regard to soil sampling services at the Scott Dry Cleaners property located at 201 - 4th Place South in Renton, Washington. Pinnacle GeoSciences sampled soil beneath the concrete floor in close proximity to the facility's dry cleaning equipment on August 21, 1999. We were prepared to also sample ground water at the site but groundwater was not encountered in either of the explorations advanced.

Chlorinated solvents related to dry-cleaning processes and Stoddard Solvent were encountered in the soil samples obtained. The primary chlorinated solvent detected was tetrachloroethene, also known as perchloroethylene, PCE or PERC. Other chlorinated solvents were detected that are breakdown products of PERC. Small concentrations of other organic compounds that may be related to textile dying were also detected in the soil.

MTCA (the Model Toxics Control Act) is the regulation that addresses releases of hazardous substances to the environment. This regulation is administered by Ecology (the Washington State Department of Ecology). MTCA includes soil and ground water cleanup levels for dry-cleaning solvents and their breakdown products. The concentrations observed at the site exceed the MTCA cleanup levels that are appropriate for this site (Method A). The table below shows the concentrations detected in the soil samples collected and the corresponding MTCA Method A cleanup level. Many other compounds were detected in each of the soil samples collected but those shown in this table are the compounds of greatest concern with respect to MTCA. Copies of the laboratory report are attached to this letter.

Exploration	PERC Tetrachloroethene	Trichloroethene	Stoddard Solvent
HA-1-7.5	43.1 mg/Kg	53.3 mg/Kg	<25.0 mg/Kg
HA-2-0.5	6,580 mg/Kg	1.40 mg/Kg	409 mg/Kg
HA-2-5.0	407 mg/Kg	0.763 mg/Kg	25.0 mg/Kg
MTCA Method A Soil Cleanup Level	0.5 mg/Kg	0.5 mg/Kg	200 mg/Kg

It is unknown at this time whether this soil contamination is localized or more wide spread and whether it had impacted ground water. We did not encounter ground water in our explorations. If ground water has been impacted it is possible that the resulting area of contamination extends beyond the property boundary.

The contamination identified poses a liability under MTCA and there are reporting requirements in MTCA that will need to be fulfilled. We have no obligation to report this release under MTCA. The owner's obligation calls for notification of Ecology within 90 days of discovery of the release (starting on September 7, 1999 when we notified you of the release). It is very common to delay the reporting until the end of this 90-day period so that more information can be collected. In some cases, the release is remediated prior to the 90-day deadline in which case the release is still reported but may not be entered into Ecology's data base.

At this time we recommend that you take action to ascertain the extent of the release. This could be done by advancing several soil probe explorations outside the limits of the building. These explorations would allow for the retrieval of soil and ground water samples. The soil samples could be screened for the presence of chlorinated solvents using Synsodyne testing tubes to minimize chemical testing costs. Selected soil and ground water samples should be analyzed for Stoddard Solvent and PERC. We can provide these services to you.

We propose that three explorations be advanced to a maximum depth of about 20 feet. Prior to drilling we would contract a private locate service to identify locations of buried utilities in the areas to be explored. A total of six soil samples and three ground water samples would be analyzed for PERC and Stoddard Solvent. Upon completion, the small

diameter probe holes would be backfilled and sealed at the surface. At this time we propose that no provisions be made for preparing a formal written report of our findings in the event that further sampling and analysis is required. We will, however, prepare a brief written letter or memorandum summarizing the findings from these explorations.

Our fee to provide these services would be approximately $ 5,100. Of this fee, $1,050 would be for the drilling contractor and $2,500 would be for chemical testing services. Another approximately $200 would be for the private locate and the specialized testing tubes proposed for screening soil samples for PERC. We would need about two to three weeks lead time prior to conducting the explorations to obtain the Synsodyne tubes and to schedule the drilling contractor.

We can provide these services as an extension to our prior agreement. On your request we can provide a confirming agreement for these services. Pinnacle GeoSciences appreciates the opportunity to provide these services to you. Please call if you have questions concerning this letter or our proposed services..

Sincerely,
Pinnacle GeoSciences, Inc.

Stephen C. Perrigo
Principal

2 copies submitted
SCP
Attachment: Laboratory Report

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Pinnacle GeoSciences	Project: Scott Cleaners	Sampled: 8/21/99
13620 NE 20th Street, Suite J	Project Number: 0145-001	Received: 8/23/99
Bellevue, WA 98005	Project Manager: Norm Puri	Reported: 9/3/99 14:02

ANALYTICAL REPORT FOR SAMPLES:

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
HA-1-7.5	B908498-01	Soil	8/21/99
HA-2-0.5	B908498-02	Soil	8/21/99
HA-2-5.0	B908498-03	Soil	8/21/99

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

David Vandel, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network

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Identified Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
HA-1-7.5			B908498-01				Soil	
Mineral Spirits Range Hydrocarbons	0891023	8/28/99	8/30/99		25.0	ND	mg/kg dry	
Surrogate: 2-FBP	"	"	"	*50.0-150*		*52.3*	%	
HA-2-0.5			B908498-02				Soil	
Mineral Spirits Range Hydrocarbons	0891023	8/28/99	8/30/99		25.0	409	mg/kg dry	
Surrogate: 2-FBP	"	"	"	*50.0-150*		*72.5*	%	
HA-2-5.0			B908498-03				Soil	
Mineral Spirits Range Hydrocarbons	0891023	8/28/99	8/30/99		25.0	25.0	mg/kg dry	
Surrogate: 2-FBP	"	"	"	*50.0-150*		*58.3*	%	

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**Refer to end of report for text of notes and definitions.*

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Volatile Organic Compounds by EPA Method 8260B
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
HA-1-7.5			B908498-01				Soil	
Acetone	0891074	8/30/99	8/30/99		1.00	ND	mg/kg dry	
Benzene	"	"	"		0.100	ND	"	
Bromobenzene	"	"	"		0.100	ND	"	
Bromochloromethane	"	"	"		0.100	ND	"	
Bromodichloromethane	"	"	"		0.100	ND	"	
Bromoform	"	"	"		0.100	ND	"	
Bromomethane	"	"	"		0.100	ND	"	
2-Butanone	"	"	"		1.00	ND	"	
n-Butylbenzene	"	"	"		0.100	0.111	"	
sec-Butylbenzene	"	"	"		0.100	0.109	"	
tert-Butylbenzene	"	"	"		0.100	ND	"	
Carbon disulfide	"	"	"		0.100	ND	"	
Carbon tetrachloride	"	"	"		0.100	ND	"	
orobenzene	"	"	"		0.100	ND	"	
Chloroethane	"	"	"		0.100	ND	"	
Chloroform	"	"	"		0.100	ND	"	
Chloromethane	"	"	"		0.500	ND	"	
2-Chlorotoluene	"	"	"		0.100	ND	"	
4-Chlorotoluene	"	"	"		0.100	ND	"	
Dibromochloromethane	"	"	"		0.100	ND	"	
1,2-Dibromo-3-chloropropane	"	"	"		0.500	ND	"	
1,2-Dibromoethane	"	"	"		0.100	ND	"	
Dibromomethane	"	"	"		0.100	ND	"	
1,2-Dichlorobenzene	"	"	"		0.100	ND	"	
1,3-Dichlorobenzene	"	"	"		0.100	ND	"	
1,4-Dichlorobenzene	"	"	"		0.100	ND	"	
Dichlorodifluoromethane	"	"	"		0.100	ND	"	
1,1-Dichloroethane	"	"	"		0.100	ND	"	
1,2-Dichloroethane	"	"	"		0.100	ND	"	
1,1-Dichloroethene	"	"	"		0.100	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.100	6.34	"	
trans-1,2-Dichloroethene	"	"	"		0.100	ND	"	
1,2-Dichloropropane	"	"	"		0.100	ND	"	
1,3-Dichloropropane	"	"	"		0.100	ND	"	
2,2-Dichloropropane	"	"	"		0.100	ND	"	
1,1-Dichloropropene	"	"	"		0.100	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.100	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.100	ND	"	

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Refer to end of report for text of notes and definitions.

David Vandel, Project Manager

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Volatile Organic Compounds by EPA Method 8260B
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
HA-I-7.5 (continued)			B908498-01				Soil	
Ethylbenzene	0891074	8/30/99	8/30/99		0.100	ND	mg/kg dry	
Hexachlorobutadiene	"	"	"		0.100	ND	"	
2-Hexanone	"	"	"		1.00	ND	"	
Isopropylbenzene	"	"	"		0.100	ND	"	
p-Isopropyltoluene	"	"	"		0.100	0.193	"	
Methylene chloride	"	"	"		1.00	1.30	"	
4-Methyl-2-pentanone	"	"	"		1.00	ND	"	
Naphthalene	"	"	"		0.100	ND	"	
n-Propylbenzene	"	"	"		0.100	ND	"	
Styrene	"	"	"		0.100	ND	"	
1,1,1,2-Tetrachloroethane	"	"	"		0.100	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.100	ND	"	
Tetrachloroethene	"	"	8/31/99		2.00	43.1	"	
uene	"	"	8/30/99		0.100	ND	"	
1,2,3-Trichlorobenzene	"	"	"		0.100	ND	"	
1,2,4-Trichlorobenzene	"	"	"		0.100	ND	"	
1,1,1-Trichloroethane	"	"	"		0.100	ND	"	
1,1,2-Trichloroethane	"	"	"		0.100	ND	"	
Trichloroethene	"	"	8/31/99		2.00	53.3	"	
Trichlorofluoromethane	"	"	8/30/99		0.100	ND	"	
1,2,3-Trichloropropane	"	"	"		0.100	ND	"	
1,2,4-Trimethylbenzene	"	"	"		0.100	ND	"	
1,3,5-Trimethylbenzene	"	"	"		0.100	0.154	"	
Vinyl chloride	"	"	"		0.100	ND	"	
m,p-Xylene	"	"	"		0.200	ND	"	
o-Xylene	"	"	"		0.100	ND	"	
Surrogate: 2-Bromopropene	"	"	"	*70.0-130*		*55.0*	%	*1*
Surrogate: 1,2-DCA-d4	"	"	"	*70.0-130*		*63.8*	"	*1*
Surrogate: Toluene-d8	"	"	"	*70.0-130*		*73.2*	"	
Surrogate: 4-BFB	"	"	"	*70.0-130*		*68.1*	"	*1*

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Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
HA-2-0.5			B908498-02				Soil	
Acetone	0891074	8/30/99	8/30/99		1.00	ND	mg/kg dry	
Benzene	"	"	"		0.100	ND	"	
Bromobenzene	"	"	"		0.100	ND	"	
Bromochloromethane	"	"	"		0.100	ND	"	
Bromodichloromethane	"	"	"		0.100	ND	"	
Bromoform	"	"	"		0.100	ND	"	
Bromomethane	"	"	"		0.100	ND	"	
2-Butanone	"	"	"		1.00	ND	"	
n-Butylbenzene	"	"	"		0.100	ND	"	
sec-Butylbenzene	"	"	"		0.100	0.321	"	
tert-Butylbenzene	"	"	"		0.100	ND	"	
Carbon disulfide	"	"	"		0.100	ND	"	
Carbon tetrachloride	"	"	"		0.100	ND	"	
orobenzene	"	"	"		0.100	0.391	"	
Chloroethane	"	"	"		0.100	ND	"	
Chloroform	"	"	"		0.100	ND	"	
Chloromethane	"	"	"		0.500	ND	"	
2-Chlorotoluene	"	"	"		0.100	ND	"	
4-Chlorotoluene	"	"	"		0.100	ND	"	
Dibromochloromethane	"	"	"		0.100	ND	"	
1,2-Dibromo-3-chloropropane	"	"	"		0.500	ND	"	
1,2-Dibromoethane	"	"	"		0.100	ND	"	
Dibromomethane	"	"	"		0.100	ND	"	
1,2-Dichlorobenzene	"	"	"		0.100	0.454	"	
1,3-Dichlorobenzene	"	"	"		0.100	ND	"	
1,4-Dichlorobenzene	"	"	"		0.100	0.229	"	
Dichlorodifluoromethane	"	"	"		0.100	ND	"	
1,1-Dichloroethane	"	"	"		0.100	ND	"	
1,2-Dichloroethane	"	"	"		0.100	ND	"	
1,1-Dichloroethene	"	"	"		0.100	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.100	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.100	ND	"	
1,2-Dichloropropane	"	"	"		0.100	ND	"	
1,3-Dichloropropane	"	"	"		0.100	ND	"	
2,2-Dichloropropane	"	"	"		0.100	ND	"	
1,1-Dichloropropene	"	"	"		0.100	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.100	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.100	ND	"	

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Refer to end of report for text of notes and definitions.

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North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
HA-2-0.5 (continued)			B908498-02				Soil	
Ethylbenzene	0891074	8/30/99	8/30/99		0.100	ND	mg/kg dry	
Hexachlorobutadiene	"	"	"		0.100	ND	"	
2-Hexanone	"	"	"		1.00	ND	"	
Isopropylbenzene	"	"	"		0.100	0.943	"	
p-Isopropyltoluene	"	"	"		0.100	0.217	"	
Methylene chloride	"	"	"		1.00	ND	"	
4-Methyl-2-pentanone	"	"	"		1.00	ND	"	
Naphthalene	"	"	"		0.100	ND	"	
n-Propylbenzene	"	"	"		0.100	1.15	"	
Styrene	"	"	"		0.100	ND	"	
1,1,1,2-Tetrachloroethane	"	"	"		0.100	0.586	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.100	ND	"	
Tetrachloroethene	"	"	8/31/99		50.0	6580	"	
luene	"	"	8/30/99		0.100	0.109	"	
1,2,3-Trichlorobenzene	"	"	"		0.100	ND	"	
1,2,4-Trichlorobenzene	"	"	"		0.100	ND	"	
1,1,1-Trichloroethane	"	"	"		0.100	ND	"	
1,1,2-Trichloroethane	"	"	"		0.100	ND	"	
Trichloroethene	"	"	"		0.100	1.40	"	
Trichlorofluoromethane	"	"	"		0.100	ND	"	
1,2,3-Trichloropropane	"	"	"		0.100	ND	"	
1,2,4-Trimethylbenzene	"	"	"		0.100	0.716	"	
1,3,5-Trimethylbenzene	"	"	"		0.100	1.86	"	
Vinyl chloride	"	"	"		0.100	ND	"	
m,p-Xylene	"	"	"		0.200	ND	"	
o-Xylene	"	"	"		0.100	ND	"	
Surrogate: 2-Bromopropene	"	"	"	*70.0-130*		*57.7*	%	*1*
Surrogate: 1,2-DCA-d4	"	"	"	*70.0-130*		*72.1*	"	
Surrogate: Toluene-d8	"	"	"	*70.0-130*		*85.3*	"	
Surrogate: 4-BFB	"	"	"	*70.0-130*		*74.0*	"	

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North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
HA-2-5.0			B908498-03				Soil	
Acetone	0891074	8/30/99	8/30/99		1.00	ND	mg/kg dry	
Benzene	"	"	"		0.100	ND	"	
Bromobenzene	"	"	"		0.100	ND	"	
Bromochloromethane	"	"	"		0.100	ND	"	
Bromodichloromethane	"	"	"		0.100	ND	"	
Bromoform	"	"	"		0.100	ND	"	
Bromomethane	"	"	"		0.100	ND	"	
2-Butanone	"	"	"		1.00	ND	"	
n-Butylbenzene	"	"	"		0.100	ND	"	
sec-Butylbenzene	"	"	"		0.100	ND	"	
tert-Butylbenzene	"	"	"		0.100	ND	"	
Carbon disulfide	"	"	"		0.100	ND	"	
Carbon tetrachloride	"	"	"		0.100	ND	"	
Chlorobenzene	"	"	"		0.100	ND	"	
Chloroethane	"	"	"		0.100	ND	"	
Chloroform	"	"	"		0.100	ND	"	
Chloromethane	"	"	"		0.500	ND	"	
2-Chlorotoluene	"	"	"		0.100	ND	"	
4-Chlorotoluene	"	"	"		0.100	ND	"	
Dibromochloromethane	"	"	"		0.100	ND	"	
1,2-Dibromo-3-chloropropane	"	"	"		0.500	ND	"	
1,2-Dibromoethane	"	"	"		0.100	ND	"	
Dibromomethane	"	"	"		0.100	ND	"	
1,2-Dichlorobenzene	"	"	"		0.100	ND	"	
1,3-Dichlorobenzene	"	"	"		0.100	ND	"	
1,4-Dichlorobenzene	"	"	"		0.100	ND	"	
Dichlorodifluoromethane	"	"	"		0.100	ND	"	
1,1-Dichloroethane	"	"	"		0.100	ND	"	
1,2-Dichloroethane	"	"	"		0.100	ND	"	
1,1-Dichloroethene	"	"	"		0.100	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.100	0.125	"	
trans-1,2-Dichloroethene	"	"	"		0.100	ND	"	
1,2-Dichloropropane	"	"	"		0.100	ND	"	
1,3-Dichloropropane	"	"	"		0.100	ND	"	
2,2-Dichloropropane	"	"	"		0.100	ND	"	
1,1-Dichloropropene	"	"	"		0.100	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.100	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.100	ND	"	

North Creek Analytical - Bothell

Refer to end of report for text of notes and definitions.

David Vandel, Project Manager

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Pinnacle GeoSciences	Project:	Scott Cleaners	Sampled: 8/21/99
13620 NE 20th Street, Suite J	Project Number:	0145-001	Received: 8/23/99
Bellevue, WA 98005	Project Manager:	Norm Puri	Reported: 9/3/99 14:02

Volatile Organic Compounds by EPA Method 8260B
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
HA-2-5.0 (continued)			B908498-03				Soil	
Ethylbenzene	0891074	8/30/99	8/30/99		0.100	ND	mg/kg dry	
Hexachlorobutadiene	"	"	"		0.100	ND	"	
2-Hexanone	"	"	"		1.00	ND	"	
Isopropylbenzene	"	"	"		0.100	ND	"	
p-Isopropyltoluene	"	"	"		0.100	ND	"	
Methylene chloride	"	"	"		1.00	1.88	"	
4-Methyl-2-pentanone	"	"	"		1.00	ND	"	
Naphthalene	"	"	"		0.100	ND	"	
n-Propylbenzene	"	"	"		0.100	ND	"	
Styrene	"	"	"		0.100	ND	"	
1,1,1,2-Tetrachloroethane	"	"	"		0.100	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.100	ND	"	
Tetrachloroethene	"	"	8/31/99		10.0	407	"	
Toluene	"	"	8/30/99		0.100	0.100	"	
1,2,3-Trichlorobenzene	"	"	"		0.100	ND	"	
1,2,4-Trichlorobenzene	"	"	"		0.100	ND	"	
1,1,1-Trichloroethane	"	"	"		0.100	ND	"	
1,1,2-Trichloroethane	"	"	"		0.100	ND	"	
Trichloroethene	"	"	"		0.100	0.763	"	
Trichlorofluoromethane	"	"	"		0.100	ND	"	
1,2,3-Trichloropropane	"	"	"		0.100	ND	"	
1,2,4-Trimethylbenzene	"	"	"		0.100	ND	"	
1,3,5-Trimethylbenzene	"	"	"		0.100	ND	"	
Vinyl chloride	"	"	"		0.100	ND	"	
m,p-Xylene	"	"	"		0.200	ND	"	
o-Xylene	"	"	"		0.100	ND	"	
Surrogate: 2-Bromopropene	"	"	"	*70.0-130*		*60.2*	%	*1*
Surrogate: 1,2-DCA-d4	"	"	"	*70.0-130*		*72.4*	"	
Surrogate: Toluene-d8	"	"	"	*70.0-130*		*79.6*	"	
Surrogate: 4-BFB	"	"	"	*70.0-130*		*69.2*	"	*1*

**Refer to end of report for text of notes and definitions.*

David Vandel, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network

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Pinnacle GeoSciences	Project:	Scott Cleaners	Sampled: 8/21/99
13620 NE 20th Street, Suite J	Project Number:	0145-001	Received: 8/23/99
Bellevue, WA 98005	Project Manager:	Norm Puri	Reported: 9/3/99 14:02

Dry Weight Determination
North Creek Analytical - Bothell

Sample Name	Lab ID	Matrix	Result	Units
HA-1-7.5	B908498-01	Soil	67.0	%
HA-2-0.5	B908498-02	Soil	75.4	%
HA-2-5.0	B908498-03	Soil	71.8	%

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Pinnacle GeoSciences	Project: Scott Cleaners	Sampled: 8/21/99
13620 NE 20th Street, Suite J	Project Number: 0145-001	Received: 8/23/99
Bellevue, WA 98005	Project Manager: Norm Puri	Reported: 9/3/99 14:02

Identified Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up)/Quality Control
North Creek Analytical - Bothell

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0891023	**Date Prepared: 8/28/99**					**Extraction Method: EPA 3550B**				
Blank	0891023-BLK1									
Mineral Spirits Range Hydrocarbons	8/30/99			ND	mg/kg dry	25.0				
Surrogate: 2-FBP	"	*10.7*		*5.71*	"	*50.0-150*	*53.4*			
LCS	0891023-BS1									
Diesel Range Hydrocarbons	8/30/99	66.7		54.8	mg/kg dry	50.0-150	82.2			
Surrogate: 2-FBP	"	*10.7*		*8.58*	"	*50.0-150*	*80.2*			
Duplicate	0891023-DUP1	B908496-01								
Mineral Spirits Range Hydrocarbons	8/30/99		ND	ND	mg/kg dry			50.0		
Surrogate: 2-FBP	"	*14.5*		*10.6*	"	*50.0-150*	*73.1*			

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Pinnacle GeoSciences	Project:	Scott Cleaners	Sampled: 8/21/99
13620 NE 20th Street, Suite J	Project Number:	0145-001	Received: 8/23/99
Bellevue, WA 98005	Project Manager:	Norm Puri	Reported: 9/3/99 14:02

Volatile Organic Compounds by EPA Method 8260B/Quality Control
North Creek Analytical - Bothell

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0891074	Date Prepared: 8/30/99					Extraction Method: EPA 5030B [MeOH]				
Blank	0891074-BLK1									
Acetone	9/1/99			ND	mg/kg dry	1.00				
Benzene	"			ND	"	0.100				
Bromobenzene	"			ND	"	0.100				
Bromochloromethane	"			ND	"	0.100				
Bromodichloromethane	"			ND	"	0.100				
Bromoform	"			ND	"	0.100				
Bromomethane	"			ND	"	0.100				
2-Butanone	"			ND	"	1.00				
n-Butylbenzene	"			ND	"	0.100				
sec-Butylbenzene	"			ND	"	0.100				
tert-Butylbenzene	"			ND	"	0.100				
Carbon disulfide	"			ND	"	0.100				
Carbon tetrachloride	"			ND	"	0.100				
Chlorobenzene	"			ND	"	0.100				
Chloroethane	"			ND	"	0.100				
Chloroform	"			ND	"	0.100				
Chloromethane	"			ND	"	0.100				
2-Chlorotoluene	"			ND	"	0.500				
4-Chlorotoluene	"			ND	"	0.100				
Dibromochloromethane	"			ND	"	0.100				
1,2-Dibromo-3-chloropropane	"			ND	"	0.100				
1,2-Dibromoethane	"			ND	"	0.500				
Dibromomethane	"			ND	"	0.100				
1,2-Dichlorobenzene	"			ND	"	0.100				
1,3-Dichlorobenzene	"			ND	"	0.100				
1,4-Dichlorobenzene	"			ND	"	0.100				
Dichlorodifluoromethane	"			ND	"	0.100				
1,1-Dichloroethane	"			ND	"	0.100				
1,2-Dichloroethane	"			ND	"	0.100				
1,1-Dichloroethene	"			ND	"	0.100				
cis-1,2-Dichloroethene	"			ND	"	0.100				
trans-1,2-Dichloroethene	"			ND	"	0.100				
1,2-Dichloropropane	"			ND	"	0.100				
1,3-Dichloropropane	"			ND	"	0.100				
2,2-Dichloropropane	"			ND	"	0.100				
1,1-Dichloropropene	"			ND	"	0.100				
cis-1,3-Dichloropropene	"			ND	"	0.100				

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Pinnacle GeoSciences	Project:	Scott Cleaners	Sampled: 8/21/99
13620 NE 20th Street, Suite J	Project Number:	0145-001	Received: 8/23/99
Bellevue, WA 98005	Project Manager:	Norm Puri	Reported: 9/3/99 14:02

Volatile Organic Compounds by EPA Method 8260B/Quality Control
North Creek Analytical - Bothell

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Blank (continued)	0891074-BLK1									
trans-1,3-Dichloropropene	9/1/99			ND	mg/kg dry	0.100				
Ethylbenzene	"			ND	"	0.100				
Hexachlorobutadiene	"			ND	"	0.100				
2-Hexanone	"			ND	"	1.00				
Isopropylbenzene	"			ND	"	0.100				
p-Isopropyltoluene	"			ND	"	0.100				
Methylene chloride	"			ND	"	1.00				
4-Methyl-2-pentanone	"			ND	"	1.00				
Naphthalene	"			ND	"	0.100				
n-Propylbenzene	"			ND	"	0.100				
Styrene	"			ND	"	0.100				
1,1,1,2-Tetrachloroethane	"			ND	"	0.100				
1,2,2-Tetrachloroethane	"			ND	"	0.100				
Tetrachloroethene	"			ND	"	0.100				
Toluene	"			ND	"	0.100				
1,2,3-Trichlorobenzene	"			ND	"	0.100				
1,2,4-Trichlorobenzene	"			ND	"	0.100				
1,1,1-Trichloroethane	"			ND	"	0.100				
1,1,2-Trichloroethane	"			ND	"	0.100				
Trichloroethene	"			ND	"	0.100				
Trichlorofluoromethane	"			ND	"	0.100				
1,2,3-Trichloropropane	"			ND	"	0.100				
1,2,4-Trimethylbenzene	"			ND	"	0.100				
1,3,5-Trimethylbenzene	"			ND	"	0.100				
Vinyl chloride	"			ND	"	0.100				
m,p-Xylene	"			ND	"	0.200				
o-Xylene	"			ND	"	0.100				
Surrogate: 2-Bromopropene	"	*2.00*		*1.46*	"	*70.0-130*	*73.0*			
Surrogate: 1,2-DCA-d4	"	*2.00*		*1.63*	"	*70.0-130*	*81.5*			
Surrogate: Toluene-d8	"	*2.00*		*2.01*	"	*70.0-130*	*100*			
Surrogate: 4-BFB	"	*2.00*		*1.84*	"	*70.0-130*	*92.0*			
LCS	0891074-BS1									
Benzene	8/30/99	1.00		0.972	mg/kg dry	70.0-130	97.2			
Chlorobenzene	"	1.00		0.948	"	70.0-130	94.8			
1,1-Dichloroethene	"	1.00		0.804	"	70.0-130	80.4			
Toluene	"	1.00		0.946	"	70.0-130	94.6			
Trichloroethene	"	1.00		0.995	"	70.0-130	99.5			

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Pinnacle GeoSciences	Project:	Scott Cleaners	Sampled: 8/21/99
13620 NE 20th Street, Suite J	Project Number:	0145-001	Received: 8/23/99
Bellevue, WA 98005	Project Manager:	Norm Puri	Reported: 9/3/99 14:02

Volatile Organic Compounds by EPA Method 8260B/Quality Control
North Creek Analytical - Bothell

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
LCS (continued)	0891074-BS1									
Surrogate: 2-Bromopropene	8/30/99	*2.00*		*1.56*	*mg/kg dry*	*70.0-130*	*78.0*			
Surrogate: 1,2-DCA-d4	"	*2.00*		*1.57*	"	*70.0-130*	*78.5*			
Surrogate: Toluene-d8	"	*2.00*		*1.92*	"	*70.0-130*	*96.0*			
Surrogate: 4-BFB	"	*2.00*		*1.78*	"	*70.0-130*	*89.0*			
Matrix Spike	0891074-MS1		B908620-01							
Benzene	8/31/99	1.15	ND	1.00	mg/kg dry	70.0-130	87.0			
Chlorobenzene	"	1.15	ND	0.973	"	70.0-130	84.6			
1,1-Dichloroethene	"	1.15	ND	0.780	"	70.0-130	67.8			2
Toluene	"	1.15	ND	0.954	"	70.0-130	83.0			
Trichloroethene	"	1.15	ND	1.05	"	70.0-130	91.3			
Surrogate: 2-Bromopropene	"	*2.31*		*1.61*	"	*70.0-130*	*69.7*			3
Surrogate: 1,2-DCA-d4	"	*2.31*		*1.73*	"	*70.0-130*	*74.9*			
Surrogate: Toluene-d8	"	*2.31*		*2.06*	"	*70.0-130*	*89.2*			
Surrogate: 4-BFB	"	*2.31*		*1.82*	"	*70.0-130*	*78.8*			
Matrix Spike Dup	0891074-MSD1		B908620-01							
Benzene	8/31/99	1.15	ND	0.988	mg/kg dry	70.0-130	85.9	15.0	1.27	
Chlorobenzene	"	1.15	ND	1.00	"	70.0-130	87.0	15.0	2.80	
1,1-Dichloroethene	"	1.15	ND	0.769	"	70.0-130	66.9	15.0	1.34	2
Toluene	"	1.15	ND	0.970	"	70.0-130	84.3	15.0	1.55	
Trichloroethene	"	1.15	ND	0.996	"	70.0-130	86.6	15.0	5.28	
Surrogate: 2-Bromopropene	"	*2.31*		*1.58*	"	*70.0-130*	*68.4*			3
Surrogate: 1,2-DCA-d4	"	*2.31*		*1.64*	"	*70.0-130*	*71.0*			
Surrogate: Toluene-d8	"	*2.31*		*1.96*	"	*70.0-130*	*84.8*			
Surrogate: 4-BFB	"	*2.31*		*1.77*	"	*70.0-130*	*76.6*			

ORTH CREEK ANALYTICAL
Environmental Laboratory Services

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CHAIN OF CUSTODY REPORT

Work Order # B908498

REPORT TO: Pinnacle GeoSciences
ATTENTION: Norm Puri
ADDRESS:
PHONE: 425.649.1108 FAX: 425.649.7537
PROJECT NAME: Scott Cleaners
PROJECT NUMBER: 0145-001
SAMPLED BY: NLP

INVOICE TO: Pinnacle GeoSciences
ATTENTION:
ADDRESS:
P.O. NUMBER: NCA QUOTE #:

Analysis Request: 8260 Full list + Chlorinated solvents by 8021, NWTPH-GX (calibrate to Stoddard Standard)

TURNAROUND REQUEST in Business Days *
Organic & Inorganic Analyses: 10 Standard, 7, 5, 4, 3, 2, 1, Same Day
Fuels & Hydrocarbon Analyses: 5 Standard, 3-4, 2, 1, Same Day
OTHER Specify:
* Turnaround Requests less than standard may incur Rush Charges.

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	NCA SAMPLE ID (Laboratory Use Only)	MATRIX (W, S, A, O)	# OF CONTAINERS	COMMENTS
1.	HA-1-7.5	8/21 1040	B908498-01	S	2	
2.	HA-2-0.5	1035	02			
3.	HA-2-5.0	1100	03			
4.						
5.						
6.						
7.						
8.						
9.						
10.						

RELINQUISHED BY (Signature): DATE: 8/23/99
PRINT NAME: Norman L. Puri FIRM: Pinnacle GeoSci TIME: 11:25
RELINQUISHED BY (Signature): NCA DATE: 14:00
PRINT NAME: FIRM: TIME: 8/23/99

RECEIVED BY (Signature): DATE: 8/23/99
PRINT NAME: Bill Kunthorn FIRM: NCA TIME: 12:30
RECEIVED BY (Signature): DATE: 8/23/99
PRINT NAME: Cathy Nichols FIRM: NCA TIME: 14:00

ADDITIONAL REMARKS: Quantify NWTPH-G to what ever standard most closely matches Stoddard solvent. Please contact Steve Perrigo or Norm Puri before testing if 8021 analytes list does not include carbon tetrachloride. Each sample consists of two containers. Please use the containers marked "1/2" for TPH-G and "1/2" for 8021

20.6 °C

PAGE 1 OF 1