ECS LLC
MID-ATLANTIC

SOIL & GROUNDWATER TESTING

ROBINSON TERMINAL WAREHOUSES
500 & 501 N. UNION STREET
ALEXANDRIA, VIRGINIA

ECS PROJECT NO. 13669-A

FOR

THE GRAHAM COMPANIES, LTD.

FEBRUARY 8, 2008

ECS - MID-ATLANTIC, LLC
Geotechnical • Construction Materials • Environmental • Facilities

February 8, 2008

Mr. Benjamin H. Graham
The Graham Companies, Ltd.
PO Box 1788
Middleburg, VA 20118

ECS Project No. 13669-A

Reference: Proposal for Soil & Groundwater Testing, Robinson Terminal Warehouses, 500 & 501 N. Union Street, Alexandria, Virginia.

Dear Mr. Graham:

Pursuant to your request, ECS Mid-Atlantic, LLC (ECS) is pleased to provide you with the results of our recent Soil & Groundwater Testing of the referenced property. Our services were provided in general accordance with ECS Proposal No. 28389-EP, dated October 31, 2007.

SCOPE OF WORK

ECS evaluated the sub-surface soils and groundwater located at the Robinson Terminal Warehouses located at 500 & 501 N. Union Street, Alexandria, Virginia. This work was performed concurrently with the geotechnical evaluation being performed at the site. ECS performed the following tasks in an attempt to determine whether or not the subsurface has been adversely impacted by current and/or past activities onsite and/or from adjacent properties:

- ECS obtained two groundwater samples from two wells installed as part of the geotechnical evaluation. Groundwater was tested for the following analytical parameters: TPH-DRO, VOCs, SVOCs and RCRA-8 Metals.

- Soil samples from each geotechnical boring were collected and select samples were submitted for analysis for TPH-DRO & VOCs, RCRA-8 Metals, PCBs, Pesticide and Herbicide testing. Samples were obtained between 0' and 35' below grade to evaluate those soils which could potentially be impacted (excavation) during future site development.

- In addition, we will obtained access to the roof and performed an asbestos survey of the roofing materials to supplement our previous Hazardous Materials Survey. These results were reported under separate cover.

METHODOLOGY

As the geotechnical borings were installed at the site, ECS split soil samples used for the geotechnical evaluation. Samples obtained between 0' and 35' below grade. Samples were placed into clean plastic bags and screened for volatile organic compounds (VOCs) using a photoionization detector (PID). Soil descriptions are included in the boring logs in the geotechnical report provided under separate cover. After screening, the selected samples were transferred to clean, laboratory grade-glass jars with Teflon lids. The samples were packed on ice and submitted under chain-of-custody protocol to an independent laboratory for analysis.

Two of the borings were converted to 1" wells. Groundwater samples were collected from these 2 locations (see attached figure). Groundwater samples were collected from the top two feet of the water column as a "grab" sample. Samples were transferred to clean, laboratory grade-glass jars with Teflon lined caps using a disposable single-check valve Voss Technologies VOC sampler which is designed to minimize loss of VOCs during sample transfer. Each sample was stored on ice and submitted to an independent laboratory under chain-of-custody protocol.

RESULTS

Soils

Soil samples were screened with a PID. None of the samples screened exhibited elevated PID readings. Based on visual observations and experience, ECS selected soil samples for analytical testing. The results of the laboratory analysis for DRO are on Table 1 below.

Table 1: Soil Results, DRO, Robinson Terminal Warehouses, 500 & 501 N. Union Street, Alexandria, Virginia.

Boring & Depth	DRO (ppm)	Boring & Depth	DRO (ppm)
B-1 (2.5' – 4')	**10,200**	B-5 (2.5' - 4')	**95**
B-1 (8.5' – 10')	**7,060**	B-5 (8.5' – 10')	**20**
B-1 (18.5' – 20')	ND	B-5 (28.5' – 30')	**58**
B-2 (2.5' – 4')	**56**	B-5 (33.5' – 35')	ND
B-2 (8.5' – 10')	**17**	B-6 (5' – 6.5')	**142**
B-2 (13.5' – 15')	**70**	B-6 (8.5' – 10')	**111**
B-2 (18.5' – 20')	NS	B-6 (13.5' – 15')	**31**
B-3 (1' - 2.5')	**115**	B-6 (18.5' – 20')	**68**
B-3 (8.5' – 10')	**40**	B-6 (28.5' – 30')	**33**
B-3 (13.5' – 15')	ND		
B-3 (28.5' – 30')	**27**		
B-4 (5' - 6.5')	**123**		
B-4 (13.5' – 15')	**22**		
B-4 (23.5' – 25')	**22**		
B-4 (28.5' – 30')	ND		

ND = non-detect; ppb = parts per billion; ppm = parts per million; NS = no sample

Soil sample results for DRO indicate that most shallow soils and some deeper soils have been adversely impacted by petroleum contamination. DRO results ranged from 17 ppm to 10,200 ppm. See Figure 1 for boring locations.

In general, the results indicate that shallow soils (0' – 15' below grade) in B-1, B-2 and B-3 (500 N. Union) are petroleum contaminated with the higher levels at B-1 from 0' to approximately 15' below grade. Results at B-1 were 10,200 ppm and 7,060 ppm. In general, soils from 0' – 30' in B-4, B-5 and B-6 (501 N. Union Street) are petroleum contaminated with low levels of DRO. Results ranged from 22 ppm to 142 ppm.

The results of the laboratory analysis for VOCs are on Table 2 below.

Table 2: Soil Results, VOCs, Robinson Terminal Warehouses, 500 & 501 N. Union Street, Alexandria, Virginia.

Location & Depth	Detected VOCs (ppb)
B-1 (2.5' – 4')	**136** – Naphthalene **7.7** – Toluene **3.4*** - Xylenes
B-1 (8.5' – 10')	**2.8*** - Benzene **70** – Naphthalene **13** – Toluene **13** – 1,2,4-trimethylbenzene **13** – 1,3,5-trimethylbenzene **14.1** - Xylenes
B-1 (18.5' – 20')	**3.4*** – Toluene
B-2 (2.5' – 4')	**4.2*** – Toluene
B-2 (8.5' – 10')	**7.3*** - 2-butanone (MEK) **4.2*** – Toluene
B-2 (13.5' – 15')	**11** – Benzene **17** – Ethylbenzene **204** – Naphthalene **4.7*** – Toluene **14** – 1,2,4-trimethylbenzene **14** – 1,3,5-trimethylbenzene **16.3** - Xylenes
B-2 (18.5' – 20')	NS
B-3 (1' - 2.5')	**9.8** – Benzene **8.6** – Ethylbenzene **4.2*** - MTBE **7.4** – Naphthalene **4.2*** - Styrene **70** – Toluene **16** – 1,2,4-trimethylbenzene **7.5** – 1,3,5-trimethylbenzene **58** - Xylenes
B-3 (8.5' – 10')	**5,120** – Benzene **196*** – Toluene
B-3 (13.5' – 15')	**2.7*** - MTBE **84** – Naphthalene **5.6*** – Toluene **10** – 1,2,4-trimethylbenzene **11** – 1,3,5-trimethylbenzene **11.1** - Xylenes

Table 2 continued: Soil Results, VOCs, Robinson Terminal Warehouses, 500 & 501 N. Union Street, Alexandria, Virginia.

Location & Depth	Detected VOC's (ppb)
B-3 (28.5' – 30')	**3.2*** - MTBE **2.7*** – Toluene
B-4 (5' – 6.5')	**2.2*** – Ethylbenzene **16** – Toluene **4.9*** – 1,2,4-trimethylbenzene **4.7*** – 1,3,5-trimethylbenzene **12.2** - Xylenes
B-4 (13.5' – 15')	**6.3*** – Benzene **5.1*** – Ethylbenzene **66** – Naphthalene **11** – Toluene **6.5** – 1,2,4-trimethylbenzene **2.8*** – 1,3,5-trimethylbenzene **9.0** - Xylenes
B-4 (23.5' – 25')	**4.6*** – Benzene **4.9*** – Ethylbenzene **2.5*** - Cumene **2.6*** - MTBE **155** – Naphthalene **29** – Toluene **12** – 1,2,4-trimethylbenzene **5.0*** – 1,3,5-trimethylbenzene **24.7** - Xylenes
B-4 (28.5' – 30')	**4.9*** – Naphthalene
B-5 (2.5' - 4')	**4.0*** – 1,2,4-trimethylbenzene
B-5 (8.5' – 10')	**3.3*** - Carbon Disulfide **166** – p-Isopropyl toluene **14** – Naphthalene **4.5*** – Toluene **11** – 1,2,4-trimethylbenzene **4.6*** – 1,3,5-trimethylbenzene
B-5 (28.5' – 30')	**7.3*** - 2-Butanone (MEK) **226** – p-Isopropyl toluene **5.9*** – Naphthalene **5.7*** – Toluene **9.8** – 1,2,4-trimethylbenzene **3.8*** – 1,3,5-trimethylbenzene **3.3*** - Xylenes

Table 2 continued: Soil Results, VOCs, Robinson Terminal Warehouses, 500 & 501 N. Union Street, Alexandria, Virginia.

Location & Depth	Detected VOCs (ppb)
B-5 (33.5' – 35')	**3.7*** – Benzene **11** - Carbon Disulfide **7.0** – Ethylbenzene **419** – p-Isopropyl toluene **27** – Naphthalene **8.4** – Toluene **9.3** – 1,2,4-trimethylbenzene **2.8*** – 1,3,5-trimethylbenzene **3.7*** - Xylenes
B-6 (5' – 6.5')	**977** – Benzene **366*** - n-Butylbenzene **1,360** – Ethylbenzene **473** – n-Propylbenzene **3,800** – Toluene **1,050** – 1,2,4-trimethylbenzene **1,870** – 1,3,5-trimethylbenzene **4,209** - Xylenes
B-6 (8.5' – 10')	**238*** – Toluene **361*** - Xylenes
B-6 (13.5' – 15')	**10** – Benzene **3.2*** - n-Butylbenzene **26** - sec-Butylbenzene **11** - tert-Butylbenzene **6.4** – Ethylbenzene **3.8*** – p-Isopropyl toluene **8.4** - Cumene **5.2*** – Naphthalene **5.8*** – n-Propylbenzene **36** – Toluene **18** – 1,2,4-trimethylbenzene **11** – 1,3,5-trimethylbenzene **38** - Xylenes
B-6 (18.5' – 20')	**5,550** – Naphthalene
B-6 (28.5' – 30')	**3.6*** - n-Butylbenzene **2.7*** – n-Propylbenzene **2.9*** – Toluene **19** – 1,2,4-trimethylbenzene **9.8** – 1,3,5-trimethylbenzene **3.5*** - Xylenes

NS = no sample; ppb = parts per billion; * = approximate

In general, the VOC results are a reflection of the DRO results showing various levels of VOCs associated with petroleum by-products. Of note is the benzene levels noted at B-3 (5,120 ppb) and B-6 (977 ppb), and the naphthalene level at B-6 (5,550 ppb).

Note: In the VOCs testing results, trace levels of acetone were detected in most of the samples. Acetone is a common laboratory contaminant and these trace levels should not be construed as onsite contamination of acetone.

The results of the laboratory analysis for RCRA-8 metals are on Table 3 below.

Table 3: Soil Results, Metals, Robinson Terminal Warehouses, 500 & 501 N. Union Street, Alexandria, VA.

Location & Depth	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
B-1 (1' – 2.5')	**4.3**	82.3	ND	16.3	14.9	ND	ND	ND
B-2 (5' – 6.5')	**1,090**	90.9	23.6	17.5	297	**75.1**	10.3	1.41
B-5 (5' – 6.5')	**7.0**	99.7	3.79	25.8	11.5	0.25	ND	ND
B-6 (23.5' – 25')	**6.6**	46.0	ND	19.9	39.5	0.06	ND	ND
VA RBC Level (commercial)	1.9	2,000	50	305	800	30.5	500	500

ND = non-detect; ppm = parts per million; all results are in ppm; RBC = Risk Based Concentration

ECS compared the results to the Virginia Risk Based Concentration (RBC) Levels for a commercial setting. The RBC levels are generic guidance levels established by the regulating agencies.

The arsenic levels in all four samples were above the VA RBC level. However, 3 of the 4 samples were low (4.3 ppm, 6.6 ppm and 7.0 ppm) and would be considered within naturally occurring levels. The 4th sample (B-2 at 5'-6.5' below grade) was 1,090 ppm and significantly above the RBC value. The mercury level (75.1 ppm) at B-2 at 5'-6.5' below grade was above the VA RBC level (30.5 ppm). None of the remaining samples were above their respective VA RBC Levels.

ECS tested select samples for pesticides, herbicides and PCBs. Samples tested were B-3 (2.5' – 4'), B-4 (18.5' – 20'), B-6 (1' – 2.5') and B-6 (18.5' – 20'). Results were non-detect for pesticides, herbicides and PCBs for all four samples.

Groundwater

Groundwater was sampled from temporary wells at two locations, one inside each of the warehouses (see attached figure). Groundwater depths ranged between 4' to 15' below grade from the geotechnical report. The results of the laboratory analysis are on Table 3 below.

Table 3: Ground Water Results, DRO, VOCs & SVOCs, Robinson Terminal Warehouses, 500 & 501 N. Union Street, Alexandria, Virginia.

Boring Location	DRO (ppm)	VOCs (ppb)	SVOCs (ppb)
500 N. Union (B-2)	2.87	60 – Benzene 3.1* - xylenes	3.9* - dimethyl phthalate
501 N. Union (B-4)	0.99	8.6 – Naphthalene 4.2* - xylenes	17 – acenaphthene 10 – acenaphthylene 5.6 – fluorine 2.3* - 2-methylnaphthalene 8.3 – naphthalene 2.2* - phenanthrene

ND = non-detect; ppb = parts per billion; * = approximate

The results of the groundwater testing for DRO were 2.87 ppm and 0.99 ppm. The "action level" for the Virginia Department of Environmental Quality (VDEQ) is 1.0 ppm. The results for VOCs and SVOCs are consistent with the soil results in that they are indicative of the presence of petroleum by-product impact to the groundwater.

CONCLUSIONS

Soil

In general, the results indicate that shallow soils (0' – 15' below grade) in B-1, B-2 and B-3 (500 N. Union) are petroleum contaminated with the higher levels at B-1 from 0' to approximately 15' below grade. Results at B-1 were 10,200 ppm and 7,060 ppm. In general, soils from 0' – 30' in B-4, B-5 and B-6 (501 N. Union Street) are petroleum contaminated with low levels of DRO. Results ranged from 22 ppm to 142 ppm.

Based on the results of this study, it appears that previous activities at the site have adversely impacted the subject property. These impacts will have a bearing on the ultimate disposition of the material handled as a result of the proposed development. It is likely that materials excavated and removed from the site will need to be disposed in accordance with Virginia waste management regulations. As a result, additional cost may be required above normal excavation and removal of non-impacted materials. If the development scenario allows some of the impacted material to remain in place, or otherwise reused on site, ECS recommends that a Risk Assessment be performed based on the development scenario.

Selection of the proper excavation and disposal contractor will be instrumental in the successful completion of this project. ECS recommends that the excavation contractor selected for this project be experienced with the excavation and disposal of environmentally impacted materials. Given the non-homogeneous nature of the materials across the site, an experienced contractor will be crucial to keeping the project running smoothly on schedule and making sure that the impacted materials are disposed of in accordance with regulatory requirements and in an environmentally responsible manner.

Additional investigation would be required to accurately characterize the materials for disposal and to estimate the total volume of impacted soil. In addition, based on the site's past usage, it is possible that there may be undiscovered pockets of contaminated soils, or other unidentified contaminants at locations and elevations not specifically investigated as described in this report. We would recommend that this be done following demolition of the onsite structures for ease of access.

Pre-characterization of waste disposal parameters of the excavated soils is recommended, and is expected to enhance the efficiency of the excavation and minimize costs associated with the removal and disposal of contaminated materials. Pre-characterization, involving a tight grid pattern of borings across the site, seeks to identify and characterize the materials and contaminants in situ prior to commencing the excavation. We would recommend that this be done following demolition of the onsite structures for ease of access. While this process can be expensive due to the number of samples tested, our experience on similar sites has found that pre-characterization is almost always preferable to trying to characterize the waste streams during the site excavation. If performed during ongoing excavation, sampling and laboratory testing would be expected to slow down construction, causing significant delays to the project and additional costs associated with down-time for machines and personnel. The other alternative would be to excavate and remove all of the soils as "worst-case scenario," which carries its own additional difficulties and costs.

Groundwater

The results of the groundwater testing for DRO were 2.87 ppm and 0.99 ppm. The "action level" for the VDEQ is 1.0 ppm. The results for VOCs and SVOCs are consistent with the soil results in that they are indicative of the presence of petroleum by-product impact to the groundwater.

As groundwater was encountered at depths between 4' to 15' below grade and the proposed excavation on-site is expected to be within that range, ECS expects contaminated groundwater to be an issue for the future excavation in regards to dewatering and discharge. Based on our experience with similar projects in Alexandria, we do not believe that the groundwater may need to be treated prior to discharge to the sanitary system. Additional groundwater testing will be required prior to issuance of a discharge permit for the site. This can be performed following in the installation of the dewatering system, but prior to full time operation.

In addition, the VDEQ is required to be notified of the above testing results (notification level = any amount) as it may pertain the "open" onsite LUST case (#2006-3131). This may lead to the VDEQ requesting more testing in the area. At a minimum, the VDEQ will want to be kept informed of the environmental status during development operations.

Lus? ? "may"

ECS has appreciated the opportunity to work with you on this project. If you have any questions regarding this report, or other aspects of the project, please feel free to contact us at (703) 471-8400.

Respectfully submitted,

ECS MID-ATLANTIC, LLC

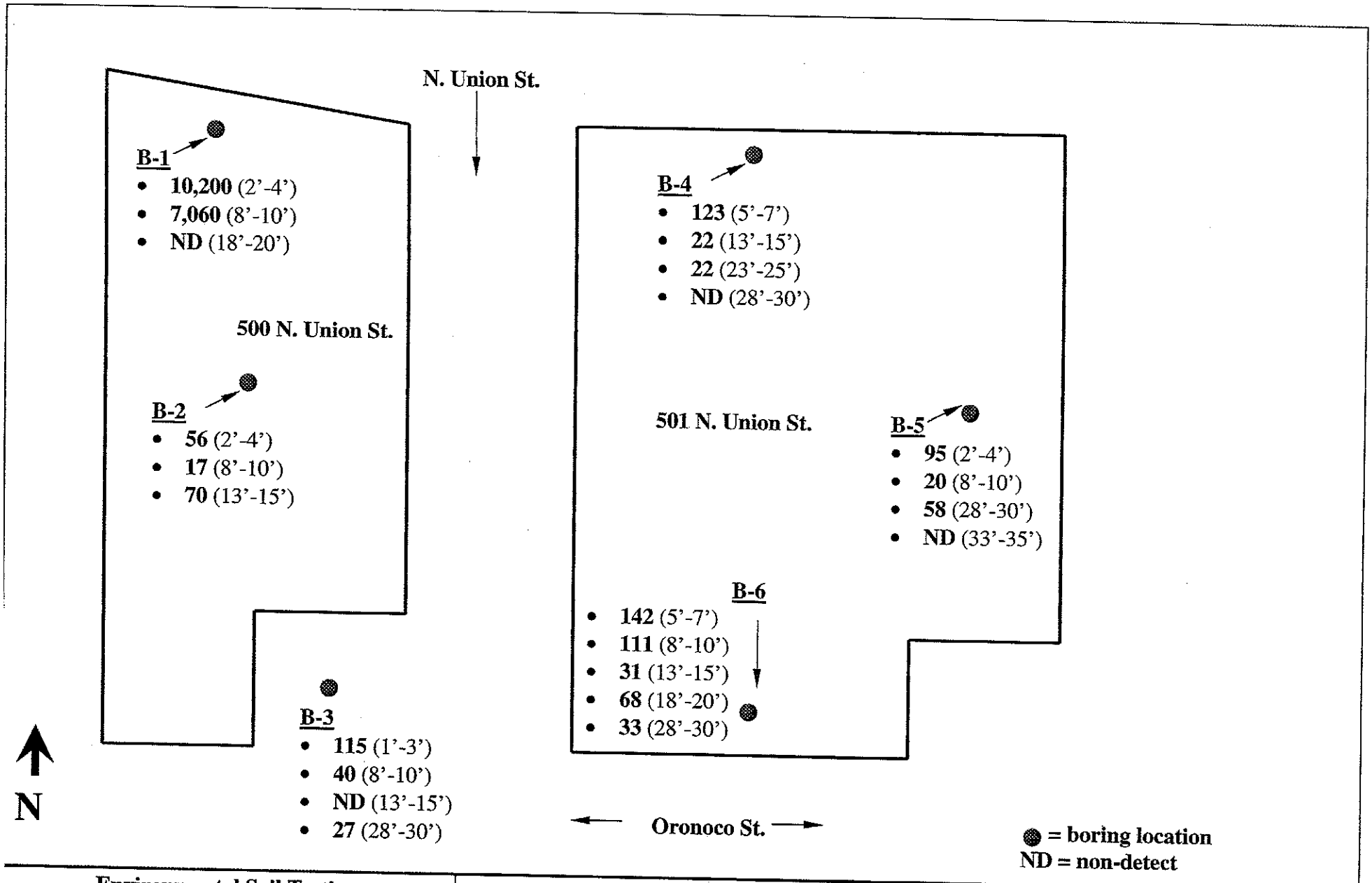
Allen T. Sullivan, M.E.M.
Senior Environmental Scientist

James D. Succop, C.P.G.
Regional Environmental Manager

Attachments: Figure 1
Laboratory Results

[ATS//environ/report/13669-A]

Appendix



Environmental Soil Testing
Robinson Terminal Warehouses
500 & 501 N. Union Street
Alexandria, Virginia

2/8/08

ECS Mid-Atlantic, LLC, 14026 Thunderbolt Pl., # 100, Chantilly, VA 20151, 703-471-8400

FIGURE 1

DRO Results (ppm)

ECS #13669-A

MARYLAND SPECTRAL SERVICES, INC.
1500 Caton Center Drive Baltimore, MD 21227

VOLATILE ORGANICS BY EPA GC/MS METHOD 8260

CLIENT SAMPLE ID:	B-1-2.5-4'	B-1-8.5-10.	B-1-18.5-20'	B-2-2.5-4'	B-2-8.5-10'	B-2-13.5-15'
	ROBINSON TERM	ROBINSON TERM	ROBINSON TERM	ROBINSON TERM	ROBINSON TERM	ROBINSON TERM
LAB SAMPLE ID:	08010420	08010421	08010422	08010423	08010424	08010425
SAMPLE DATE:	01/03/08	01/03/08	01/03/08	01/03/08	01/03/08	01/03/08
RECEIVED DATE:	01/04/08	01/04/08	01/04/08	01/04/08	01/04/08	01/04/08
ANALYSIS DATE:	01/04/08	01/04/08	01/04/08	01/04/08	01/04/08	01/04/08
FILE NAME:	010420	010421	010422	010423	010424	010425
INSTRUMENT ID:	MSF	MSF	MSF	MSF	MSF	MSF
% MOISTURE:	14	22	18	7	20	18
MATRIX:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
UNITS:	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
DILUTION FACTOR:	1.0	1.0	1.0	1.0	1.0	1.0
VOLATILE COMPOUNDS	(Results reported on a dry-weight basis)					
Acetone	26	41	36	19	68	43
t-Amyl Alcohol (TAA)	58 U	64 U	61 U	54 U	63 U	61 U
t-Amyl Methyl Ether (TAME)	5.8 U	6.4 U	6.1 U	5.4 U	6.3 U	6.1 U
Benzene	5.8 U	2.8 J	6.1 U	5.4 U	6.3 U	11
Bromobenzene	5.8 U	6.4 U	6.1 U	5.4 U	6.3 U	6.1 U
Bromochloromethane	5.8 U	6.4 U	6.1 U	5.4 U	6.3 U	6.1 U
Bromodichloromethane	5.8 U	6.4 U	6.1 U	5.4 U	6.3 U	6.1 U
Bromoform	5.8 U	6.4 U	6.1 U	5.4 U	6.3 U	6.1 U
Bromomethane	5.8 U	6.4 U	6.1 U	5.4 U	6.3 U	6.1 U
tert-Butanol (TBA)	58 U	64 U	61 U	54 U	63 U	61 U
2-Butanone (MEK)	12 U	13 U	12 U	11 U	7.3 J	12 U
n-Butylbenzene	5.8 U	6.4 U	6.1 U	5.4 U	6.3 U	6.1 U
sec-Butylbenzene	5.8 U	6.4 U	6.1 U	5.4 U	6.3 U	6.1 U
tert-Butylbenzene	5.8 U	6.4 U	6.1 U	5.4 U	6.3 U	6.1 U
Carbon Disulfide	5.8 U	6.4 U	6.1 U	5.4 U	6.3 U	6.1 U
Carbon Tetrachloride	5.8 U	6.4 U	6.1 U	5.4 U	6.3 U	6.1 U
Chlorobenzene	5.8 U	6.4 U	6.1 U	5.4 U	6.3 U	6.1 U
Chloroethane	5.8 U	6.4 U	6.1 U	5.4 U	6.3 U	6.1 U
Chloroform	5.8 U	6.4 U	6.1 U	5.4 U	6.3 U	6.1 U
Chloromethane	5.8 U	6.4 U	6.1 U	5.4 U	6.3 U	6.1 U
2-Chlorotoluene	5.8 U	6.4 U	6.1 U	5.4 U	6.3 U	6.1 U
4-Chlorotoluene	5.8 U	6.4 U	6.1 U	5.4 U	6.3 U	6.1 U
1,2-Dibromo-3-chloropropane	5.8 U	6.4 U	6.1 U	5.4 U	6.3 U	6.1 U
Dibromochloromethane	5.8 U	6.4 U	6.1 U	5.4 U	6.3 U	6.1 U
1,2-Dibromoethane (EDB)	5.8 U	6.4 U	6.1 U	5.4 U	6.3 U	6.1 U
Dibromomethane	5.8 U	6.4 U	6.1 U	5.4 U	6.3 U	6.1 U
1,2-Dichlorobenzene	5.8 U	6.4 U	6.1 U	5.4 U	6.3 U	6.1 U
1,3-Dichlorobenzene	5.8 U	6.4 U	6.1 U	5.4 U	6.3 U	6.1 U
1,4-Dichlorobenzene	5.8 U	6.4 U	6.1 U	5.4 U	6.3 U	6.1 U
Dichlorodifluoromethane	17 U	19 U	18 U	16 U	19 U	18 U
1,1-Dichloroethane	5.8 U	6.4 U	6.1 U	5.4 U	6.3 U	6.1 U
1,2-Dichloroethane	5.8 U	6.4 U	6.1 U	5.4 U	6.3 U	6.1 U
1,1-Dichloroethene	5.8 U	6.4 U	6.1 U	5.4 U	6.3 U	6.1 U
cis-1,2-Dichloroethene	5.8 U	6.4 U	6.1 U	5.4 U	6.3 U	6.1 U
trans-1,2-Dichloroethene	5.8 U	6.4 U	6.1 U	5.4 U	6.3 U	6.1 U
Dichlorofluoromethane	5.8 U	6.4 U	6.1 U	5.4 U	6.3 U	6.1 U

MARYLAND SPECTRAL SERVICES, INC.
1500 Caton Center Drive Baltimore, MD 21227

VOLATILE ORGANICS BY EPA GC/MS METHOD 8260

CLIENT SAMPLE ID:	B-1-2.5-4'	B-1-8.5-10'	B-1-18.5-20'	B-2-2.5-4'	B-2-8.5-10'	B-2-13.5-15'
	ROBINSON TERM	ROBINSON TERM	ROBINSON TERM	ROBINSON TERM	ROBINSON TERM	ROBINSON TERM
LAB SAMPLE ID:	08010420	08010421	08010422	08010423	08010424	08010425
SAMPLE DATE:	01/03/08	01/03/08	01/03/08	01/03/08	01/03/08	01/03/08
RECEIVED DATE:	01/04/08	01/04/08	01/04/08	01/04/08	01/04/08	01/04/08
ANALYSIS DATE:	01/04/08	01/04/08	01/04/08	01/04/08	01/04/08	01/04/08
FILE NAME:	010420	010421	010422	010423	010424	010425
INSTRUMENT ID:	MSF	MSF	MSF	MSF	MSF	MSF
% MOISTURE:	14	22	18	7	20	18
MATRIX:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
UNITS:	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
DILUTION FACTOR:	1.0	1.0	1.0	1.0	1.0	1.0
VOLATILE COMPOUNDS	(Results reported on a dry-weight basis)					
1,2-Dichloropropane	5.8 U	6.4 U	6.1 U	5.4 U	6.3 U	6.1 U
1,3-Dichloropropane	5.8 U	6.4 U	6.1 U	5.4 U	6.3 U	6.1 U
2,2-Dichloropropane	5.8 U	6.4 U	6.1 U	5.4 U	6.3 U	6.1 U
1,1-Dichloropropene	5.8 U	6.4 U	6.1 U	5.4 U	6.3 U	6.1 U
cis-1,3-Dichloropropene	5.8 U	6.4 U	6.1 U	5.4 U	6.3 U	6.1 U
trans-1,3-Dichloropropene	5.8 U	6.4 U	6.1 U	5.4 U	6.3 U	6.1 U
Diisopropyl Ether (DIPE)	5.8 U	6.4 U	6.1 U	5.4 U	6.3 U	6.1 U
Ethyl-t-Butyl Ether (ETBE)	5.8 U	6.4 U	6.1 U	5.4 U	6.3 U	6.1 U
Ethylbenzene	5.8 U	6.4 U	6.1 U	5.4 U	6.3 U	17
Hexachlorobutadiene	5.8 U	6.4 U	6.1 U	5.4 U	6.3 U	6.1 U
2-Hexanone	12 U	13 U	12 U	11 U	13 U	12 U
p-Isopropyl toluene	5.8 U	6.4 U	6.1 U	5.4 U	6.3 U	6.1 U
Isopropylbenzene (Cumene)	5.8 U	6.4 U	6.1 U	5.4 U	6.3 U	6.1 U
4-Methyl-2-Pentanone	12 U	13 U	12 U	11 U	13 U	12 U
Methyl-t-Butyl Ether (MTBE)	5.8 U	6.4 U	6.1 U	5.4 U	6.3 U	6.1 U
Methylene Chloride	12 U	13 U	12 U	11 U	13 U	12 U
Naphthalene	136	70	6.1 U	5.4 U	6.3 U	204
n-Propylbenzene	5.8 U	6.4 U	6.1 U	5.4 U	6.3 U	6.1 U
Styrene	5.8 U	6.4 U	6.1 U	5.4 U	6.3 U	6.1 U
1,1,1,2-Tetrachloroethane	5.8 U	6.4 U	6.1 U	5.4 U	6.3 U	6.1 U
1,1,2,2-Tetrachloroethane	5.8 U	6.4 U	6.1 U	5.4 U	6.3 U	6.1 U
Tetrachloroethene	5.8 U	6.4 U	6.1 U	5.4 U	6.3 U	6.1 U
Toluene	7.7	13	3.4 J	4.2 J	4.6 J	4.7 J
1,2,3-Trichlorobenzene	5.8 U	6.4 U	6.1 U	5.4 U	6.3 U	6.1 U
1,2,4-Trichlorobenzene	5.8 U	6.4 U	6.1 U	5.4 U	6.3 U	6.1 U
1,1,1-Trichloroethane	5.8 U	6.4 U	6.1 U	5.4 U	6.3 U	6.1 U
1,1,2-Trichloroethane	5.8 U	6.4 U	6.1 U	5.4 U	6.3 U	6.1 U
Trichloroethene	5.8 U	6.4 U	6.1 U	5.4 U	6.3 U	6.1 U
Trichlorofluoromethane	5.8 U	6.4 U	6.1 U	5.4 U	6.3 U	6.1 U
1,2,3-Trichloropropane	5.8 U	6.4 U	6.1 U	5.4 U	6.3 U	6.1 U
1,2,4-Trimethylbenzene	5.8 U	13	6.1 U	5.4 U	6.3 U	14
1,3,5-Trimethylbenzene	5.8 U	13	6.1 U	5.4 U	6.3 U	14
Vinyl Chloride	5.8 U	6.4 U	6.1 U	5.4 U	6.3 U	6.1 U
o-Xylene	5.8 U	4.5 J	6.1 U	5.4 U	6.3 U	7.8
m+p-Xylenes	3.4 J	9.6	6.1 U	5.4 U	6.3 U	8.5

B - Detected in lab blank U - Below reported quantitation level J - Estimated value
ug/kg = Microgram per kilogram (parts per billion)

MARYLAND SPECTRAL SERVICES, INC.
1500 Caton Center Drive Baltimore, MD 21227

VOLATILE ORGANICS BY EPA GC/MS METHOD 8260

CLIENT SAMPLE ID:	B-3-1-2.5'	B-3-8.5-10'	B-3-13.5-15'	B-3-28.5-30'	B-4-5-6.5'	B-4-13.5-15'
	ROBINSON TERM	ROBINSON TERM	ROBINSON TERM	ROBINSON TERM	ROBINSON TERM	ROBINSON TERM
LAB SAMPLE ID:	08010427	08010428	08010429	08010430	08010431	08010432
SAMPLE DATE:	01/03/08	01/03/08	01/03/08	01/03/08	01/03/08	01/03/08
RECEIVED DATE:	01/04/08	01/04/08	01/04/08	01/04/08	01/04/08	01/04/08
ANALYSIS DATE:	01/04/08	01/07/08	01/04/08	01/04/08	01/04/08	01/04/08
FILE NAME:	010427	010428M	010429	010430	010431	010432
INSTRUMENT ID:	MSF	MSA	MSF	MSF	MSF	MSF
% MOISTURE:	23	32	19	16	7	23
MATRIX:	SOIL	MEDIUM SOIL	SOIL	SOIL	SOIL	SOIL
UNITS:	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
DILUTION FACTOR:	1.0	1.0	1.0	1.0	1.0	1.0
VOLATILE COMPOUNDS	(Results reported on a dry-weight basis)					
Acetone	68	1840 U	62	40	19	39
t-Amyl Alcohol (TAA)	65 U	9190 U	62 U	60 U	54 U	65 U
t-Amyl Methyl Ether (TAME)	6.5 U	919 U	6.2 U	6.0 U	5.4 U	6.5 U
Benzene	9.8	5120	6.2 U	6.0 U	5.4 U	6.3 J
Bromobenzene	6.5 U	919 U	6.2 U	6.0 U	5.4 U	6.5 U
Bromochloromethane	6.5 U	919 U	6.2 U	6.0 U	5.4 U	6.5 U
Bromodichloromethane	6.5 U	919 U	6.2 U	6.0 U	5.4 U	6.5 U
Bromoform	6.5 U	919 U	6.2 U	6.0 U	5.4 U	6.5 U
Bromomethane	6.5 U	919 U	6.2 U	6.0 U	5.4 U	6.5 U
tert-Butanol (TBA)	65 U	2760 U	62 U	60 U	54 U	65 U
2-Butanone (MEK)	13 U	1840 U	12 U	12 U	11 U	13 U
n-Butylbenzene	6.5 U	919 U	6.2 U	6.0 U	5.4 U	6.5 U
sec-Butylbenzene	6.5 U	919 U	6.2 U	6.0 U	5.4 U	6.5 U
tert-Butylbenzene	6.5 U	919 U	6.2 U	6.0 U	5.4 U	6.5 U
Carbon Disulfide	6.5 U	919 U	6.2 U	6.0 U	5.4 U	6.5 U
Carbon Tetrachloride	6.5 U	919 U	6.2 U	6.0 U	5.4 U	6.5 U
Chlorobenzene	6.5 U	919 U	6.2 U	6.0 U	5.4 U	6.5 U
Chloroethane	6.5 U	919 U	6.2 U	6.0 U	5.4 U	6.5 U
Chloroform	6.5 U	919 U	6.2 U	6.0 U	5.4 U	6.5 U
Chloromethane	6.5 U	919 U	6.2 U	6.0 U	5.4 U	6.5 U
2-Chlorotoluene	6.5 U	919 U	6.2 U	6.0 U	5.4 U	6.5 U
4-Chlorotoluene	6.5 U	919 U	6.2 U	6.0 U	5.4 U	6.5 U
1,2-Dibromo-3-chloropropane	6.5 U	919 U	6.2 U	6.0 U	5.4 U	6.5 U
Dibromochloromethane	6.5 U	919 U	6.2 U	6.0 U	5.4 U	6.5 U
1,2-Dibromoethane (EDB)	6.5 U	919 U	6.2 U	6.0 U	5.4 U	6.5 U
Dibromomethane	6.5 U	919 U	6.2 U	6.0 U	5.4 U	6.5 U
1,2-Dichlorobenzene	6.5 U	919 U	6.2 U	6.0 U	5.4 U	6.5 U
1,3-Dichlorobenzene	6.5 U	919 U	6.2 U	6.0 U	5.4 U	6.5 U
1,4-Dichlorobenzene	6.5 U	919 U	6.2 U	6.0 U	5.4 U	6.5 U
Dichlorodifluoromethane	19 U	919 U	19 U	18 U	16 U	19 U
1,1-Dichloroethane	6.5 U	919 U	6.2 U	6.0 U	5.4 U	6.5 U
1,2-Dichloroethane	6.5 U	919 U	6.2 U	6.0 U	5.4 U	6.5 U
1,1-Dichloroethene	6.5 U	919 U	6.2 U	6.0 U	5.4 U	6.5 U
cis-1,2-Dichloroethene	6.5 U	919 U	6.2 U	6.0 U	5.4 U	6.5 U
trans-1,2-Dichloroethene	6.5 U	919 U	6.2 U	6.0 U	5.4 U	6.5 U
Dichlorofluoromethane	6.5 U	1840 U	6.2 U	6.0 U	5.4 U	6.5 U

MARYLAND SPECTRAL SERVICES, INC.
1500 Caton Center Drive Baltimore, MD 21227

VOLATILE ORGANICS BY EPA GC/MS METHOD 8260

CLIENT SAMPLE ID:	B-3-1-2.5'	B-3-8.5-10'	B-3-13.5-15'	B-3-28.5-30'	B-4-5-6.5'	B-4-13.5-15'
	ROBINSON TERM	ROBINSON TERM	ROBINSON TERM	ROBINSON TERM	ROBINSON TERM	ROBINSON TERM
LAB SAMPLE ID:	08010427	08010428	08010429	08010430	08010431	08010432
SAMPLE DATE:	01/03/08	01/03/08	01/03/08	01/03/08	01/03/08	01/03/08
RECEIVED DATE:	01/04/08	01/04/08	01/04/08	01/04/08	01/04/08	01/04/08
ANALYSIS DATE:	01/04/08	01/07/08	01/04/08	01/04/08	01/04/08	01/04/08
FILE NAME:	010427	010428M	010429	010430	010431	010432
INSTRUMENT ID:	MSF	MSA	MSF	MSF	MSF	MSF
% MOISTURE:	23	32	19	16	7	23
MATRIX:	SOIL	MEDIUM SOIL	SOIL	SOIL	SOIL	SOIL
UNITS:	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
DILUTION FACTOR:	1.0	1.0	1.0	1.0	1.0	1.0
VOLATILE COMPOUNDS	(Results reported on a dry-weight basis)					
1,2-Dichloropropane	6.5 U	919 U	6.2 U	6.0 U	5.4 U	6.5 U
1,3-Dichloropropane	6.5 U	919 U	6.2 U	6.0 U	5.4 U	6.5 U
2,2-Dichloropropane	6.5 U	919 U	6.2 U	6.0 U	5.4 U	6.5 U
1,1-Dichloropropene	6.5 U	919 U	6.2 U	6.0 U	5.4 U	6.5 U
cis-1,3-Dichloropropene	6.5 U	919 U	6.2 U	6.0 U	5.4 U	6.5 U
trans-1,3-Dichloropropene	6.5 U	919 U	6.2 U	6.0 U	5.4 U	6.5 U
Diisopropyl Ether (DIPE)	6.5 U	919 U	6.2 U	6.0 U	5.4 U	6.5 U
Ethyl-t-Butyl Ether (ETBE)	6.5 U	919 U	6.2 U	6.0 U	5.4 U	6.5 U
Ethylbenzene	8.6	919 U	6.2 U	6.0 U	2.2 J	5.1 J
Hexachlorobutadiene	6.5 U	919 U	6.2 U	6.0 U	5.4 U	6.5 U
2-Hexanone	13 U	1840 U	12 U	12 U	11 U	13 U
p-Isopropyl toluene	6.5 U	919 U	6.2 U	6.0 U	5.4 U	6.5 U
Isopropylbenzene (Cumene)	6.5 U	919 U	6.2 U	6.0 U	5.4 U	6.5 U
4-Methyl-2-Pentanone	13 U	1840 U	12 U	12 U	11 U	13 U
Methyl-t-Butyl Ether (MTBE)	4.2 J	919 U	2.7 J	3.2 J	5.4 U	6.5 U
Methylene Chloride	13 U	919 U	12 U	12 U	11 U	13 U
Naphthalene	7.4	919 U	84	6.0 U	5.4 U	66
n-Propylbenzene	6.5 U	919 U	6.2 U	6.0 U	5.4 U	6.5 U
Styrene	4.2 J	919 U	6.2 U	6.0 U	5.4 U	6.5 U
1,1,1,2-Tetrachloroethane	6.5 U	919 U	6.2 U	6.0 U	5.4 U	6.5 U
1,1,2,2-Tetrachloroethane	6.5 U	919 U	6.2 U	6.0 U	5.4 U	6.5 U
Tetrachloroethene	6.5 U	919 U	6.2 U	6.0 U	5.4 U	6.5 U
Toluene	70	196 J	5.6 J	2.7 J	16	11
1,2,3-Trichlorobenzene	6.5 U	919 U	6.2 U	6.0 U	5.4 U	6.5 U
1,2,4-Trichlorobenzene	6.5 U	919 U	6.2 U	6.0 U	5.4 U	6.5 U
1,1,1-Trichloroethane	6.5 U	919 U	6.2 U	6.0 U	5.4 U	6.5 U
1,1,2-Trichloroethane	6.5 U	919 U	6.2 U	6.0 U	5.4 U	6.5 U
Trichloroethene	6.5 U	919 U	6.2 U	6.0 U	5.4 U	6.5 U
Trichlorofluoromethane	6.5 U	919 U	6.2 U	6.0 U	5.4 U	6.5 U
1,2,3-Trichloropropane	6.5 U	919 U	6.2 U	6.0 U	5.4 U	6.5 U
1,2,4-Trimethylbenzene	16	919 U	10	6.0 U	4.9 J	6.5
1,3,5-Trimethylbenzene	7.5	919 U	11	6.0 U	4.7 J	2.8 J
Vinyl Chloride	6.5 U	919 U	6.2 U	6.0 U	5.4 U	6.5 U
o-Xylene	17	919 U	3.3 J	6.0 U	2.9 J	3.1 J
m+p-Xylenes	41	919 U	7.8	6.0 U	9.3	5.9 J

B - Detected in lab blank U - Below reported quantitation level J - Estimated value
ug/kg = Microgram per kilogram (parts per billion)

MARYLAND SPECTRAL SERVICES, INC.
1500 Caton Center Drive Baltimore, MD 21227

VOLATILE ORGANICS BY EPA GC/MS METHOD 8260

CLIENT SAMPLE ID:	B-4-23.5-25'	B-4-28.5-30'	B-5-2.5-4'	B-5-8.5-10'	B-5-28.5-30'	B-5-33.5-35'
	ROBINSON TERM	ROBINSON TERM	ROBINSON TERM	ROBINSON TERM	ROBINSON TERM	ROBINSON TERM
LAB SAMPLE ID:	08010433	08010434	08010436	08010737	08010738	08010439
SAMPLE DATE:	01/03/08	01/03/08	01/03/08	01/03/08	01/03/08	01/04/08
RECEIVED DATE:	01/04/08	01/04/08	01/04/08	01/04/08	01/04/08	01/04/08
ANALYSIS DATE:	01/04/08	01/07/08	01/07/08	01/07/08	01/07/08	01/07/08
FILE NAME:	010433	010434R	010436	010437R	010438	010439
INSTRUMENT ID:	MSF	MSF	MSF	MSF	MSF	MSF
% MOISTURE:	18	14	11	20	28	25
MATRIX:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
UNITS:	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
DILUTION FACTOR:	1.0	1.0	1.0	1.0	1.0	1.0
VOLATILE COMPOUNDS	(Results reported on a dry-weight basis)					
Acetone	55	18	20	81	79	45
t-Amyl Alcohol (TAA)	61 U	58 U	56 U	63 U	69 U	67 U
t-Amyl Methyl Ether (TAME)	6.1 U	5.8 U	5.6 U	6.3 U	6.9 U	6.7 U
Benzene	4.6 J	5.8 U	5.6 U	6.3 U	6.9 U	3.7 J
Bromobenzene	6.1 U	5.8 U	5.6 U	6.3 U	6.9 U	6.7 U
Bromochloromethane	6.1 U	5.8 U	5.6 U	6.3 U	6.9 U	6.7 U
Bromodichloromethane	6.1 U	5.8 U	5.6 U	6.3 U	6.9 U	6.7 U
Bromoform	6.1 U	5.8 U	5.6 U	6.3 U	6.9 U	6.7 U
Bromomethane	6.1 U	5.8 U	5.6 U	6.3 U	6.9 U	6.7 U
tert-Butanol (TBA)	61 U	58 U	56 U	63 U	69 U	67 U
2-Butanone (MEK)	12 U	12 U	11 U	13 U	7.3 J	13 U
n-Butylbenzene	6.1 U	5.8 U	5.6 U	6.3 U	6.9 U	6.7 U
sec-Butylbenzene	6.1 U	5.8 U	5.6 U	6.3 U	6.9 U	6.7 U
tert-Butylbenzene	6.1 U	5.8 U	5.6 U	6.3 U	6.9 U	6.7 U
Carbon Disulfide	6.1 U	5.8 U	5.6 U	3.3 J	6.9 U	11
Carbon Tetrachloride	6.1 U	5.8 U	5.6 U	6.3 U	6.9 U	6.7 U
Chlorobenzene	6.1 U	5.8 U	5.6 U	6.3 U	6.9 U	6.7 U
Chloroethane	6.1 U	5.8 U	5.6 U	6.3 U	6.9 U	6.7 U
Chloroform	6.1 U	5.8 U	5.6 U	6.3 U	6.9 U	6.7 U
Chloromethane	6.1 U	5.8 U	5.6 U	6.3 U	6.9 U	6.7 U
2-Chlorotoluene	6.1 U	5.8 U	5.6 U	6.3 U	6.9 U	6.7 U
4-Chlorotoluene	6.1 U	5.8 U	5.6 U	6.3 U	6.9 U	6.7 U
1,2-Dibromo-3-chloropropane	6.1 U	5.8 U	5.6 U	6.3 U	6.9 U	6.7 U
Dibromochloromethane	6.1 U	5.8 U	5.6 U	6.3 U	6.9 U	6.7 U
1,2-Dibromoethane (EDB)	6.1 U	5.8 U	5.6 U	6.3 U	6.9 U	6.7 U
Dibromomethane	6.1 U	5.8 U	5.6 U	6.3 U	6.9 U	6.7 U
1,2-Dichlorobenzene	6.1 U	5.8 U	5.6 U	6.3 U	6.9 U	6.7 U
1,3-Dichlorobenzene	6.1 U	5.8 U	5.6 U	6.3 U	6.9 U	6.7 U
1,4-Dichlorobenzene	6.1 U	5.8 U	5.6 U	6.3 U	6.9 U	6.7 U
Dichlorodifluoromethane	18 U	17 U	17 U	19 U	21 U	20 U
1,1-Dichloroethane	6.1 U	5.8 U	5.6 U	6.3 U	6.9 U	6.7 U
1,2-Dichloroethane	6.1 U	5.8 U	5.6 U	6.3 U	6.9 U	6.7 U
1,1-Dichloroethene	6.1 U	5.8 U	5.6 U	6.3 U	6.9 U	6.7 U
cis-1,2-Dichloroethene	6.1 U	5.8 U	5.6 U	6.3 U	6.9 U	6.7 U
trans-1,2-Dichloroethene	6.1 U	5.8 U	5.6 U	6.3 U	6.9 U	6.7 U
Dichlorofluoromethane	6.1 U	5.8 U	5.6 U	6.3 U	6.9 U	6.7 U

MARYLAND SPECTRAL SERVICES, INC.
1500 Caton Center Drive Baltimore, MD 21227

VOLATILE ORGANICS BY EPA GC/MS METHOD 8260

CLIENT SAMPLE ID:	B-4-23.5-25'	B-4-28.5-30'	B-5-2.5-4'	B-5-8.5-10'	B-5-28.5-30'	B-5-33.5-35'
	ROBINSON TERM	ROBINSON TERM	ROBINSON TERM	ROBINSON TERM	ROBINSON TERM	ROBINSON TERM
LAB SAMPLE ID:	08010433	08010434	08010436	08010737	08010738	08010439
SAMPLE DATE:	01/03/08	01/03/08	01/03/08	01/03/08	01/03/08	01/04/08
RECEIVED DATE:	01/04/08	01/04/08	01/04/08	01/04/08	01/04/08	01/04/08
ANALYSIS DATE:	01/04/08	01/07/08	01/07/08	01/07/08	01/07/08	01/07/08
FILE NAME:	010433	010434R	010436	010437R	010438	010439
INSTRUMENT ID:	MSF	MSF	MSF	MSF	MSF	MSF
% MOISTURE:	18	14	11	20	28	25
MATRIX:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
UNITS:	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
DILUTION FACTOR:	1.0	1.0	1.0	1.0	1.0	1.0
VOLATILE COMPOUNDS	(Results reported on a dry-weight basis)					
1,2-Dichloropropane	6.1 U	5.8 U	5.6 U	6.3 U	6.9 U	6.7 U
1,3-Dichloropropane	6.1 U	5.8 U	5.6 U	6.3 U	6.9 U	6.7 U
2,2-Dichloropropane	6.1 U	5.8 U	5.6 U	6.3 U	6.9 U	6.7 U
1,1-Dichloropropene	6.1 U	5.8 U	5.6 U	6.3 U	6.9 U	6.7 U
cis-1,3-Dichloropropene	6.1 U	5.8 U	5.6 U	6.3 U	6.9 U	6.7 U
trans-1,3-Dichloropropene	6.1 U	5.8 U	5.6 U	6.3 U	6.9 U	6.7 U
Diisopropyl Ether (DIPE)	6.1 U	5.8 U	5.6 U	6.3 U	6.9 U	6.7 U
Ethyl-t-Butyl Ether (ETBE)	6.1 U	5.8 U	5.6 U	6.3 U	6.9 U	6.7 U
Ethylbenzene	4.9 J	5.8 U	5.6 U	6.3 U	6.9 U	7.0
Hexachlorobutadiene	6.1 U	5.8 U	5.6 U	6.3 U	6.9 U	6.7 U
2-Hexanone	12 U	12 U	11 U	13 U	14 U	13 U
p-Isopropyl toluene	6.1 U	5.8 U	5.6 U	166	226	419
Isopropylbenzene (Cumene)	2.5 J	5.8 U	5.6 U	6.3 U	6.9 U	6.7 U
4-Methyl-2-Pentanone	12 U	12 U	11 U	13 U	14 U	13 U
Methyl-t-Butyl Ether (MTBE)	2.6 J	5.8 U	5.6 U	6.3 U	6.9 U	6.7 U
Methylene Chloride	12 U	12 U	11 U	13 U	14 U	13 U
Naphthalene	155	4.9 J	5.6 U	14	5.9 J	27
n-Propylbenzene	6.1 U	5.8 U	5.6 U	6.3 U	6.9 U	6.7 U
Styrene	6.1 U	5.8 U	5.6 U	6.3 U	6.9 U	6.7 U
1,1,1,2-Tetrachloroethane	6.1 U	5.8 U	5.6 U	6.3 U	6.9 U	6.7 U
1,1,2,2-Tetrachloroethane	6.1 U	5.8 U	5.6 U	6.3 U	6.9 U	6.7 U
Tetrachloroethene	6.1 U	5.8 U	5.6 U	6.3 U	6.9 U	6.7 U
Toluene	29	5.8 U	5.6 U	4.5 J	5.7 J	8.4
1,2,3-Trichlorobenzene	6.1 U	5.8 U	5.6 U	6.3 U	6.9 U	6.7 U
1,2,4-Trichlorobenzene	6.1 U	5.8 U	5.6 U	6.3 U	6.9 U	6.7 U
1,1,1-Trichloroethane	6.1 U	5.8 U	5.6 U	6.3 U	6.9 U	6.7 U
1,1,2-Trichloroethane	6.1 U	5.8 U	5.6 U	6.3 U	6.9 U	6.7 U
Trichloroethene	6.1 U	5.8 U	5.6 U	6.3 U	6.9 U	6.7 U
Trichlorofluoromethane	6.1 U	5.8 U	5.6 U	6.3 U	6.9 U	6.7 U
1,2,3-Trichloropropane	6.1 U	5.8 U	5.6 U	6.3 U	6.9 U	6.7 U
1,2,4-Trimethylbenzene	12	5.8 U	4.0 J	11	9.8	9.3
1,3,5-Trimethylbenzene	5.0 J	5.8 U	5.6 U	4.6 J	3.8 J	2.8 J
Vinyl Chloride	6.1 U	5.8 U	5.6 U	6.3 U	6.9 U	6.7 U
o-Xylene	7.7	5.8 U	5.6 U	6.3 U	6.9 U	6.7 U
m+p-Xylenes	17	5.8 U	5.6 U	6.3 U	3.3 J	3.7 J

B - Detected in lab blank U - Below reported quantitation level J - Estimated value
ug/kg = Microgram per kilogram (parts per billion)

MARYLAND SPECTRAL SERVICES, INC.
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VOLATILE ORGANICS BY EPA GC/MS METHOD 8260

CLIENT SAMPLE ID:	B-6-5-6.5'	B-6-8.5-10'	B-6-13.5-15'	B-6-28.5-30'	B-6-18.5-20'	VBLK0104F1
	ROBINSON TERM	ROBINSON TERM	ROBINSON TERM	ROBINSON TERM	ROBINSON TERM	
LAB SAMPLE ID:	08010440	08010441	08010742	08010443	08010444	METHOD BLANK
SAMPLE DATE:	01/03/08	01/03/08	01/03/08	01/03/08	01/03/08	
RECEIVED DATE:	01/04/08	01/04/08	01/04/08	01/04/08	01/04/08	
ANALYSIS DATE:	01/07/08	01/07/08	01/07/08	01/07/08	01/07/08	01/04/08
FILE NAME:	010440M	010441M	010442	010443	010444M	0104VBLKF1
INSTRUMENT ID:	MSA	MSA	MSF	MSF	MSA	MSF
% MOISTURE:	17	21	22	10	22	N/A
MATRIX:	MEDIUM SOIL	MEDIUM SOIL	SOIL	SOIL	MEDIUM SOIL	SOIL
UNITS:	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
DILUTION FACTOR:	1.0	1.0	1.0	1.0	1.0	1.0
VOLATILE COMPOUNDS	(Results reported on a dry-weight basis)					
Acetone	1510 U	1580 U	65	42	1600 U	10 U
t-Amyl Alcohol (TAA)	7530 U	7910 U	64 U	56 U	8010 U	50 U
t-Amyl Methyl Ether (TAME)	753 U	791 U	6.4 U	5.6 U	801 U	5.0 U
Benzene	977	791 U	16	5.6 U	801 U	5.0 U
Bromobenzene	753 U	791 U	6.4 U	5.6 U	801 U	5.0 U
Bromochloromethane	753 U	791 U	6.4 U	5.6 U	801 U	5.0 U
Bromodichloromethane	753 U	791 U	6.4 U	5.6 U	801 U	5.0 U
Bromoform	753 U	791 U	6.4 U	5.6 U	801 U	5.0 U
Bromomethane	753 U	791 U	6.4 U	5.6 U	801 U	5.0 U
tert-Butanol (TBA)	2270 U	2380 U	64 U	56 U	2410 U	50 U
2-Butanone (MEK)	1510 U	1580 U	13 U	11 U	1600 U	10 U
n-Butylbenzene	366 J	791 U	3.2 J	3.6 J	801 U	5.0 U
sec-Butylbenzene	753 U	791 U	26	5.6 U	801 U	5.0 U
tert-Butylbenzene	753 U	791 U	11	5.6 U	801 U	5.0 U
Carbon Disulfide	753 U	791 U	6.4 U	5.6 U	801 U	5.0 U
Carbon Tetrachloride	753 U	791 U	6.4 U	5.6 U	801 U	5.0 U
Chlorobenzene	753 U	791 U	6.4 U	5.6 U	801 U	5.0 U
Chloroethane	753 U	791 U	6.4 U	5.6 U	801 U	5.0 U
Chloroform	753 U	791 U	6.4 U	5.6 U	801 U	5.0 U
Chloromethane	753 U	791 U	6.4 U	5.6 U	801 U	5.0 U
2-Chlorotoluene	753 U	791 U	6.4 U	5.6 U	801 U	5.0 U
4-Chlorotoluene	753 U	791 U	6.4 U	5.6 U	801 U	5.0 U
1,2-Dibromo-3-chloropropane	753 U	791 U	6.4 U	5.6 U	801 U	5.0 U
Dibromochloromethane	753 U	791 U	6.4 U	5.6 U	801 U	5.0 U
1,2-Dibromoethane (EDB)	753 U	791 U	6.4 U	5.6 U	801 U	5.0 U
Dibromomethane	753 U	791 U	6.4 U	5.6 U	801 U	5.0 U
1,2-Dichlorobenzene	753 U	791 U	6.4 U	5.6 U	801 U	5.0 U
1,3-Dichlorobenzene	753 U	791 U	6.4 U	5.6 U	801 U	5.0 U
1,4-Dichlorobenzene	753 U	791 U	6.4 U	5.6 U	801 U	5.0 U
Dichlorodifluoromethane	753 U	791 U	19 U	17 U	801 U	15 U
1,1-Dichloroethane	753 U	791 U	6.4 U	5.6 U	801 U	5.0 U
1,2-Dichloroethane	753 U	791 U	6.4 U	5.6 U	801 U	5.0 U
1,1-Dichloroethene	753 U	791 U	6.4 U	5.6 U	801 U	5.0 U
cis-1,2-Dichloroethene	753 U	791 U	6.4 U	5.6 U	801 U	5.0 U
trans-1,2-Dichloroethene	753 U	791 U	6.4 U	5.6 U	801 U	5.0 U
Dichlorofluoromethane	1510 U	1580 U	6.4 U	5.6 U	1600 U	5.0 U

MARYLAND SPECTRAL SERVICES, INC.
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VOLATILE ORGANICS BY EPA GC/MS METHOD 8260

CLIENT SAMPLE ID:	B-6-5-6.5'	B-6-8.5-10'	B-6-13.5-15'	B-6-28.5-30'	B-6-18.5-20'	VBLK0104F1
	ROBINSON TERM	ROBINSON TERM	ROBINSON TERM	ROBINSON TERM	ROBINSON TERM	
LAB SAMPLE ID:	08010440	08010441	08010742	08010443	08010444	METHOD BLANK
SAMPLE DATE:	01/03/08	01/03/08	01/03/08	01/03/08	01/03/08	
RECEIVED DATE:	01/04/08	01/04/08	01/04/08	01/04/08	01/04/08	
ANALYSIS DATE:	01/07/08	01/07/08	01/07/08	01/07/08	01/07/08	01/04/08
FILE NAME:	010440M	010441M	010442	010443	010444M	0104VBLKF1
INSTRUMENT ID:	MSA	MSA	MSF	MSF	MSA	MSF
% MOISTURE:	17	21	22	10	22	N/A
MATRIX:	MEDIUM SOIL	MEDIUM SOIL	SOIL	SOIL	MEDIUM SOIL	SOIL
UNITS:	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
DILUTION FACTOR:	1.0	1.0	1.0	1.0	1.0	1.0
VOLATILE COMPOUNDS	(Results reported on a dry-weight basis)					
1,2-Dichloropropane	753 U	791 U	6.4 U	5.6 U	801 U	5.0 U
1,3-Dichloropropane	753 U	791 U	6.4 U	5.6 U	801 U	5.0 U
2,2-Dichloropropane	753 U	791 U	6.4 U	5.6 U	801 U	5.0 U
1,1-Dichloropropene	753 U	791 U	6.4 U	5.6 U	801 U	5.0 U
cis-1,3-Dichloropropene	753 U	791 U	6.4 U	5.6 U	801 U	5.0 U
trans-1,3-Dichloropropene	753 U	791 U	6.4 U	5.6 U	801 U	5.0 U
Diisopropyl Ether (DIPE)	753 U	791 U	6.4 U	5.6 U	801 U	5.0 U
Ethyl-t-Butyl Ether (ETBE)	753 U	791 U	6.4 U	5.6 U	801 U	5.0 U
Ethylbenzene	1360	791 U	6.4	5.6 U	801 U	5.0 U
Hexachlorobutadiene	753 U	791 U	6.4 U	5.6 U	801 U	5.0 U
2-Hexanone	1510 U	1580 U	13 U	11 U	1600 U	10 U
p-Isopropyl toluene	753 U	791 U	3.8 J	5.6 U	801 U	5.0 U
Isopropylbenzene (Cumene)	753 U	791 U	8.4	5.6 U	801 U	5.0 U
4-Methyl-2-Pentanone	1510 U	1580 U	13 U	11 U	1600 U	10 U
Methyl-t-Butyl Ether (MTBE)	753 U	791 U	6.4 U	5.6 U	801 U	5.0 U
Methylene Chloride	753 U	791 U	13 U	11 U	801 U	10 U
Naphthalene	753 U	791 U	5.2 J	5.6 U	5550	5.0 U
n-Propylbenzene	473 J	791 U	5.8 J	2.7 J	801 U	5.0 U
Styrene	753 U	791 U	6.4 U	5.6 U	801 U	5.0 U
1,1,1,2-Tetrachloroethane	753 U	791 U	6.4 U	5.6 U	801 U	5.0 U
1,1,2,2-Tetrachloroethane	753 U	791 U	6.4 U	5.6 U	801 U	5.0 U
Tetrachloroethene	753 U	791 U	6.4 U	5.6 U	801 U	5.0 U
Toluene	3800	238 J	36	2.9 J	801 U	5.0 U
1,2,3-Trichlorobenzene	753 U	791 U	6.4 U	5.6 U	801 U	5.0 U
1,2,4-Trichlorobenzene	753 U	791 U	6.4 U	5.6 U	801 U	5.0 U
1,1,1-Trichloroethane	753 U	791 U	6.4 U	5.6 U	801 U	5.0 U
1,1,2-Trichloroethane	753 U	791 U	6.4 U	5.6 U	801 U	5.0 U
Trichloroethene	753 U	791 U	6.4 U	5.6 U	801 U	5.0 U
Trichlorofluoromethane	753 U	791 U	6.4 U	5.6 U	801 U	5.0 U
1,2,3-Trichloropropane	753 U	791 U	6.4 U	5.6 U	801 U	5.0 U
1,2,4-Trimethylbenzene	1050	791 U	18	19	801 U	5.0 U
1,3,5-Trimethylbenzene	1870	791 U	11	9.8	801 U	5.0 U
Vinyl Chloride	753 U	791 U	6.4 U	5.6 U	801 U	5.0 U
o-Xylene	519 J	791 U	14	5.6 U	801 U	5.0 U
m+p-Xylenes	3690	361 J	24	3.5 J	801 U	5.0 U

B - Detected in lab blank U - Below reported quantitation level J - Estimated value
ug/kg = Microgram per kilogram (parts per billion)

MARYLAND SPECTRAL SERVICES, INC.
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VOLATILE ORGANICS BY EPA GC/MS METHOD 8260

CLIENT SAMPLE ID:	VBLK0107A1	VBLK0107F1
LAB SAMPLE ID:	METHOD BLANK	METHOD BLANK
SAMPLE DATE:		
RECEIVED DATE:		
ANALYSIS DATE:	01/07/08	01/07/08
FILE NAME:	0107VBLKA1	0107VBLKF1
INSTRUMENT ID:	MSA	MSF
% MOISTURE:	N/A	N/A
MATRIX:	MEDIUM SOIL	SOIL
UNITS:	ug/kg	ug/kg
DILUTION FACTOR:	1.0	1.0

VOLATILE COMPOUNDS (Results reported on a dry-weight basis)

Acetone	1250	U	10	U
t-Amyl Alcohol (TAA)	6250	U	50	U
t-Amyl Methyl Ether (TAME)	625	U	5.0	U
Benzene	625	U	5.0	U
Bromobenzene	625	U	5.0	U
Bromochloromethane	625	U	5.0	U
Bromodichloromethane	625	U	5.0	U
Bromoform	625	U	5.0	U
Bromomethane	625	U	5.0	U
tert-Butanol (TBA)	1880	U	50	U
2-Butanone (MEK)	1250	U	10	U
n-Butylbenzene	625	U	5.0	U
sec-Butylbenzene	625	U	5.0	U
tert-Butylbenzene	625	U	5.0	U
Carbon Disulfide	625	U	5.0	U
Carbon Tetrachloride	625	U	5.0	U
Chlorobenzene	625	U	5.0	U
Chloroethane	625	U	5.0	U
Chloroform	625	U	5.0	U
Chloromethane	625	U	5.0	U
2-Chlorotoluene	625	U	5.0	U
4-Chlorotoluene	625	U	5.0	U
1,2-Dibromo-3-chloropropane	625	U	5.0	U
Dibromochloromethane	625	U	5.0	U
1,2-Dibromoethane (EDB)	625	U	5.0	U
Dibromomethane	625	U	5.0	U
1,2-Dichlorobenzene	625	U	5.0	U
1,3-Dichlorobenzene	625	U	5.0	U
1,4-Dichlorobenzene	625	U	5.0	U
Dichlorodifluoromethane	625	U	15	U
1,1-Dichloroethane	625	U	5.0	U
1,2-Dichloroethane	625	U	5.0	U
1,1-Dichloroethene	625	U	5.0	U
cis-1,2-Dichloroethene	625	U	5.0	U
trans-1,2-Dichloroethene	625	U	5.0	U
Dichlorofluoromethane	1250	U	5.0	U

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VOLATILE ORGANICS BY EPA GC/MS METHOD 8260

CLIENT SAMPLE ID:	VBLK0107A1	VBLK0107F1
LAB SAMPLE ID:	METHOD BLANK	METHOD BLANK
SAMPLE DATE:		
RECEIVED DATE:		
ANALYSIS DATE:	01/07/08	01/07/08
FILE NAME:	0107VBLKA1	0107VBLKF1
INSTRUMENT ID:	MSA	MSF
% MOISTURE:	N/A	N/A
MATRIX:	MEDIUM SOIL	SOIL
UNITS:	ug/kg	ug/kg
DILUTION FACTOR:	1.0	1.0

(Results reported on a dry-weight basis)

VOLATILE COMPOUNDS		
1,2-Dichloropropane	625 U	5.0 U
1,3-Dichloropropane	625 U	5.0 U
2,2-Dichloropropane	625 U	5.0 U
1,1-Dichloropropene	625 U	5.0 U
cis-1,3-Dichloropropene	625 U	5.0 U
trans-1,3-Dichloropropene	625 U	5.0 U
Diisopropyl Ether (DIPE)	625 U	5.0 U
Ethyl-t-Butyl Ether (ETBE)	625 U	5.0 U
Ethylbenzene	625 U	5.0 U
Hexachlorobutadiene	625 U	5.0 U
2-Hexanone	1250 U	10 U
p-Isopropyl toluene	625 U	5.0 U
Isopropylbenzene (Cumene)	625 U	5.0 U
4-Methyl-2-Pentanone	1250 U	10 U
Methyl-t-Butyl Ether (MTBE)	625 U	5.0 U
Methylene Chloride	625 U	10 U
Naphthalene	625 U	5.0 U
n-Propylbenzene	625 U	5.0 U
Styrene	625 U	5.0 U
1,1,1,2-Tetrachloroethane	625 U	5.0 U
1,1,2,2-Tetrachloroethane	625 U	5.0 U
Tetrachloroethene	625 U	5.0 U
Toluene	625 U	5.0 U
1,2,3-Trichlorobenzene	625 U	5.0 U
1,2,4-Trichlorobenzene	625 U	5.0 U
1,1,1-Trichloroethane	625 U	5.0 U
1,1,2-Trichloroethane	625 U	5.0 U
Trichloroethene	625 U	5.0 U
Trichlorofluoromethane	625 U	5.0 U
1,2,3-Trichloropropane	625 U	5.0 U
1,2,4-Trimethylbenzene	625 U	5.0 U
1,3,5-Trimethylbenzene	625 U	5.0 U
Vinyl Chloride	625 U	5.0 U
o-Xylene	625 U	5.0 U
m+p-Xylenes	625 U	5.0 U

B - Detected in lab blank U - Below reported quantitation level J - Estimated value
ug/kg = Microgram per kilogram (parts per billion)

MARYLAND SPECTRAL SERVICES, INC.

1500 Caton Center Drive, Baltimore MD 21227

DIESEL-RANGE ORGANICS (DRO) BY METHODS 3540/8015 (GC/FID)

CLIENT SAMPLE ID:	B-1-2.5-4' ROBINSON TERM	B-1-8.5-10' ROBINSON TERM	B-1-18.5-20' ROBINSON TERM	B-2-2.5-4' ROBINSON TERM	B-2-8.510' ROBINSON TERM	B-2-13.5-15' ROBINSON TERM
LAB SAMPLE ID:	08010420	08010421	08010422	08010423	08010424	08010425
SAMPLE DATE:	01/03/08	01/03/08	01/03/08	01/03/08	01/03/08	01/03/08
RECEIVED DATE:	01/04/08	01/04/08	01/04/08	01/04/08	01/04/08	01/04/08
EXTRACTION DATE:	01/04/08	01/04/08	01/04/08	01/04/08	01/04/08	01/04/08
ANALYSIS DATE:	01/07/08	01/07/08	01/07/08	01/07/08	01/07/08	01/07/08
INSTRUMENT ID:	GC-G	GC-G	GC-G	GC-G	GC-G	GC-G
% MOISTURE:	14	22	18	7	20	18
MATRIX:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
UNITS:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
DILUTION FACTOR:	100	50	1.0	1.0	1.0	1.0
PARAMETER	(Results reported on a dry-weight basis)					
Diesel-Range Organics (API)	10200	7060	12 U	56	17	70
Surrogate Recovery						
o-Terphenyl	DL	DL	82%	91%	79%	80%

mg/kg - Milligrams per kilogram (parts per million)
U - Less than reported quantitation limit
DL - Surrogate diluted out

The above analyses were performed as described in the American Petroleum Institute's "Method for Determination of Diesel Range Organics (1990)"

MARYLAND SPECTRAL SERVICES, INC.
1500 Caton Center Drive, Baltimore MD 21227

DIESEL-RANGE ORGANICS (DRO) BY METHODS 3540/8015 (GC/FID)

CLIENT SAMPLE ID:	B-3-1-2.5' ROBINSON TERM	B-3-8.5-10' ROBINSON TERM	B-3-13.5-15' ROBINSON TERM	B-3-28.5-30' ROBINSON TERM	B-4-5-6.5' ROBINSON TERM	B-4-13.5-15' ROBINSON TERM
LAB SAMPLE ID:	08010427	08010428	08010429	08010430	08010431	08010432
SAMPLE DATE:	01/03/08	01/03/08	01/03/08	01/03/08	01/03/08	01/03/08
RECEIVED DATE:	01/04/08	01/04/08	01/04/08	01/04/08	01/04/08	01/04/08
EXTRACTION DATE:	01/04/08	01/04/08	01/04/08	01/04/08	01/04/08	01/04/08
ANALYSIS DATE:	01/07/08	01/07/08	01/07/08	01/07/08	01/07/08	01/07/08
INSTRUMENT ID:	GC-G	GC-G	GC-G	GC-G	GC-G	GC-G
% MOISTURE:	23	32	19	16	7	23
MATRIX:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
UNITS:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
DILUTION FACTOR:	1.0	1.0	1.0	1.0	1.0	1.0
PARAMETER	(Results reported on a dry-weight basis)					
Diesel-Range Organics (API)	115	40	12 U	27	123	22
Surrogate Recovery						
o-Terphenyl	69%	64%	78%	85%	89%	85%

mg/kg - Milligrams per kilogram (parts per million)
U - Less than reported quantitation limit
DL - Surrogate diluted out

The above analyses were performed as described in the American Petroleum Institute's "Method for Determination of Diesel Range Organics (1990)"

MARYLAND SPECTRAL SERVICES, INC.
1500 Caton Center Drive, Baltimore MD 21227

DIESEL-RANGE ORGANICS (DRO) BY METHODS 3540/8015 (GC/FID)

CLIENT SAMPLE ID:	B-4-23.5-25' ROBINSON TERM	B-4-28.5-30' ROBINSON TERM	B-5-2.5-4' ROBINSON TERM	B-5-8.5-10' ROBINSON TERM	B-5-28.5-30' ROBINSON TERM	B-5-33.5-35' ROBINSON TERM
LAB SAMPLE ID:	08010433	08010434	08010436	08010437	08010438	08010439
SAMPLE DATE:	01/03/08	01/03/08	01/03/08	01/03/08	01/03/08	01/03/08
RECEIVED DATE:	01/04/08	01/04/08	01/04/08	01/04/08	01/04/08	01/04/08
EXTRACTION DATE:	01/04/08	01/04/08	01/04/08	01/04/08	01/04/08	01/04/08
ANALYSIS DATE:	01/08/08	01/08/08	01/08/08	01/08/08	01/08/08	01/08/08
INSTRUMENT ID:	GC-G	GC-G	GC-G	GC-G	GC-G	GC-G
% MOISTURE:	18	14	11	20	28	25
MATRIX:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
UNITS:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
DILUTION FACTOR:	1.0	1.0	1.0	1.0	1.0	1.0
PARAMETER	(Results reported on a dry-weight basis)					
Diesel-Range Organics (API)	22	12 U	95	20	58	13 U
Surrogate Recovery						
o-Terphenyl	81%	81%	88%	69%	72%	74%

mg/kg - Milligrams per kilogram (parts per million)
U - Less than reported quantitation limit
DL - Surrogate diluted out

The above analyses were performed as described in the American Petroleum Institute's "Method for Determination of Diesel Range Organics (1990)"

MARYLAND SPECTRAL SERVICES, INC.

1500 Caton Center Drive, Baltimore MD 21227

DIESEL-RANGE ORGANICS (DRO) BY METHODS 3540/8015 (GC/FID)

CLIENT SAMPLE ID:	B-6-5-6.5' ROBINSON TERM	B-6-8.5-10' ROBINSON TERM	B-6-13.5-15' ROBINSON TERM	B-6-28.5-30' ROBINSON TERM	B-6-18.5-20' ROBINSON TERM	080104SBLK1
LAB SAMPLE ID:	08010440	08010441	08010442	08010443	08010444	METHOD BLANK
SAMPLE DATE:	01/03/08	01/03/08	01/03/08	01/03/08	01/03/08	
RECEIVED DATE:	01/04/08	01/04/08	01/04/08	01/04/08	01/04/08	
EXTRACTION DATE:	01/04/08	01/04/08	01/04/08	01/04/08	01/04/08	01/04/08
ANALYSIS DATE:	01/08/08	01/08/08	01/08/08	01/08/08	01/08/08	01/07/08
INSTRUMENT ID:	GC-G	GC-G	GC-G	GC-G	GC-G	GC-G
% MOISTURE:	17	21	22	10	22	N/A
MATRIX:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
UNITS:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
DILUTION FACTOR:	1.0	1.0	1.0	1.0	1.0	1.0
PARAMETER	(Results reported on a dry-weight basis)					
Diesel-Range Organics (API)	142	111	31	68	33	10 U
Surrogate Recovery						
o-Terphenyl	95%	90%	77%	93%	73%	93%

mg/kg - Milligrams per kilogram (parts per million)
U - Less than reported quantitation limit
DL - Surrogate diluted out

The above analyses were performed as described in the American Petroleum Institute's "Method for Determination of Diesel Range Organics (1990)"

MARYLAND SPECTRAL SERVICES, INC.
1500 Caton Center Drive, Baltimore MD 21227

DIESEL-RANGE ORGANICS (DRO) BY METHODS 3540/8015 (GC/FID)

CLIENT SAMPLE ID:	080104SBLK2
LAB SAMPLE ID:	METHOD BLANK
SAMPLE DATE:	
RECEIVED DATE:	
EXTRACTION DATE:	01/04/08
ANALYSIS DATE:	01/08/08
INSTRUMENT ID:	GC-G
% MOISTURE:	N/A
MATRIX:	SOIL
UNITS:	mg/kg
DILUTION FACTOR:	1.0

PARAMETER	(Results reported on a dry-weight basis)
Diesel-Range Organics (API)	10 U
Surrogate Recovery	
o-Terphenyl	94%

mg/kg - Milligrams per kilogram (parts per million)
U - Less than reported quantitation limit
DL - Surrogate diluted out

The above analyses were performed as described in the American Petroleum Institute's "Method for Determination of Diesel Range Organics (1990)"

MARYLAND SPECTRAL SERVICES, INC.
1500 Caton Center Drive, Baltimore, MD 21227

REPORT OF TOTAL RCRA METAL DETERMINATIONS*

CLIENT SAMPLE ID:	B-6-23.5-25' ROBINSON TERM	B-1-1-2.5' ROBINSON TERM	B-2-5-6.5' ROBINSON TERM	B-5-5-6.6' ROBINSON TERM
MSS SAMPLE ID:	08010435	08010445	08010446	08010449
ECL SAMPLE ID:	015084001	015084002	015084003	015084004
SAMPLE DATE:	01/03/08	01/03/08	01/03/08	01/03/08
MSS RECEIVED DATE:	01/04/08	01/04/08	01/04/08	01/04/08
% SOLIDS:	78	88	82	87
MATRIX:	SOIL	SOIL	SOIL	SOIL
UNITS:	mg/kg	mg/kg	mg/kg	mg/kg
ANALYTE	(Results reported on a dry-weight basis)			
Arsenic	4.3	1090	7.0	6.6
Barium	82.3	90.9	99.7	46.0
Cadmium	< 0.47	23.6	3.79	< 0.43
Chromium	16.3	17.5	25.8	19.9
Lead	14.9	297	11.5	39.5
Mercury	< 0.050	75.1	0.25	0.060
Selenium	< 4.7	10.3	< 4.3	< 4.3
Silver	< 0.95	1.41	< 0.87	< 0.86

ANALYTE	METHOD	ANALYSIS DATE	DETECTION LIMIT
Arsenic	6010	01/07/08	2.0
Barium	6010	01/07/08	2.0
Cadmium	6010	01/07/08	0.50
Chromium	6010	01/07/08	1.0
Lead	6010	01/07/08	5.0
Mercury	7471	01/11/08	0.060
Selenium	6010	01/07/08	5.0
Silver	6010	01/07/08	1.0

mg/kg - Milligrams per kilogram (parts per million)
< - Less than reported detection limit

* These analyses performed by Enviro-Chem Laboratories, Inc., Hunt Valley, MD

MARYLAND SPECTRAL SERVICES, INC.
1500 Caton Center Drive, Baltimore, MD 21227

ORGANOCHLORINE PESTICIDES/PCBS BY EPA METHODS 3540/8081/8082 (GC/ECD)

CLIENT SAMPLE ID:	B-3-2.5-4' ROBINSON TERM	B-4-18.5-20' ROBINSON TERM	B-6-1-2.5' ROBINSON TERM	B-6-18.5-20' ROBINSON TERM	SBLK0107
LAB SAMPLE ID:	08010447	08010448	08010450	08010451	METHOD BLANK
SAMPLE DATE:	01/03/08	01/03/08	01/03/08	01/03/08	
RECEIVED DATE:	01/04/08	01/04/08	01/04/08	01/04/08	
EXTRACTION DATE:	01/07/08	01/07/08	01/07/08	01/07/08	01/07/08
ANALYSIS DATE:	01/10/08	01/10/08	01/10/08	01/10/08	01/09/08
INSTRUMENT ID:	GC-A	GC-A	GC-A	GC-A	GC-A
% MOISTURE:	16	18	30	20	
MATRIX:	SOIL	SOIL	SOIL	SOIL	SOIL
UNITS:	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
DILUTION FACTOR:	1.0	1.0	1.0	1.0	1.0
ANALYTE	(Results reported on a dry-weight basis)				
Aldrin	4.0 U	4.1 U	4.8 U	4.2 U	3.3 U
alpha-BHC	4.0 U	4.1 U	4.8 U	4.2 U	3.3 U
beta-BHC	4.0 U	4.1 U	4.8 U	4.2 U	3.3 U
delta-BHC	4.0 U	4.1 U	4.8 U	4.2 U	3.3 U
alpha-Chlordane	4.0 U	4.1 U	4.8 U	4.2 U	3.3 U
gamma-Chlordane	4.0 U	4.1 U	4.8 U	4.2 U	3.3 U
4,4'-DDD	7.9 U	8.1 U	9.5 U	8.3 U	6.7 U
4,4'-DDE	7.9 U	8.1 U	9.5 U	8.3 U	6.7 U
4,4'-DDT	7.9 U	8.1 U	9.5 U	8.3 U	6.7 U
Dieldrin	7.9 U	8.1 U	9.5 U	8.3 U	6.7 U
Endosulfan I	4.0 U	4.1 U	4.8 U	4.2 U	3.3 U
Endosulfan II	7.9 U	8.1 U	9.5 U	8.3 U	6.7 U
Endosulfan sulfate	7.9 U	8.1 U	9.5 U	8.3 U	6.7 U
Endrin	7.9 U	8.1 U	9.5 U	8.3 U	6.7 U
Endrin aldehyde	7.9 U	8.1 U	9.5 U	8.3 U	6.7 U
Endrin ketone	7.9 U	8.1 U	9.5 U	8.3 U	6.7 U
Heptachlor	4.0 U	4.1 U	4.8 U	4.2 U	3.3 U
Heptachlor epoxide	4.0 U	4.1 U	4.8 U	4.2 U	3.3 U
Lindane (gamma-BHC)	4.0 U	4.1 U	4.8 U	4.2 U	3.3 U
Methoxychlor	40 U	41 U	48 U	42 U	33 U
Toxaphene	79 U	81 U	95 U	83 U	67 U
Aroclor-1016	79 U	81 U	95 U	83 U	67 U
Aroclor-1221	160 U	160 U	190 U	170 U	130 U
Aroclor-1232	79 U	81 U	95 U	83 U	67 U
Aroclor-1242	79 U	81 U	95 U	83 U	67 U
Aroclor-1248	79 U	81 U	95 U	83 U	67 U
Aroclor-1254	79 U	81 U	95 U	83 U	67 U
Aroclor-1260	79 U	81 U	95 U	83 U	67 U
Surrogate Recovery					
Tetrachloro-m-xylene	99%	93%	87%	85%	87%
Decachlorobiphenyl	154%	152%	157%	143%	106%

ug/kg - Micrograms per kilogram (parts per billion)
U - Less than reported quantitation limit
DL - Surrogate diluted out

MARYLAND SPECTRAL SERVICES, INC.
1500 Caton Center Drive, Baltimore, MD 21227

CHLORINATED HERBICIDES BY EPA METHOD 8150 (GC/ECD)

CLIENT SAMPLE ID:	B-3-2.5-4' ROBINSON TERM	B-4-18.5-20' ROBINSON TERM	B-6-1-2.5' ROBINSON TERM	B-6-18.5-20' ROBINSON TERM	SBLK0108
LAB SAMPLE ID:	08010447	08010448	08010450	08010451	METHOD BLANK
SAMPLE DATE:	01/03/08	01/03/08	01/03/08	01/03/08	
RECEIVED DATE:	01/04/08	01/04/08	01/04/08	01/04/08	
EXTRACTION DATE:	01/08/08	01/08/08	01/08/08	01/08/08	01/08/08
ANALYSIS DATE:	01/11/08	01/11/08	01/11/08	01/11/08	01/11/08
INSTRUMENT ID:	GC-A	GC-A	GC-A	GC-A	GC-A
% MOISTURE:	16	18	30	20	
MATRIX:	SOIL	SOIL	SOIL	SOIL	SOIL
UNITS:	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
DILUTION FACTOR:	1.0	1.0	1.0	1.0	1.0
ANALYTE	(Results reported on a dry-weight basis)				
2,4-D	150 U	150 U	180 U	160 U	130 U
2,4-DB	370 U	380 U	450 U	390 U	310 U
Dalapon	37 U	38 U	45 U	39 U	31 U
Dicamba	37 U	38 U	45 U	39 U	31 U
Dichloroprop	150 U	150 U	180 U	160 U	130 U
Dinoseb	37 U	38 U	45 U	39 U	31 U
MCPA	37000 U	38000 U	45000 U	39000 U	31000 U
MCPP	37000 U	38000 U	45000 U	39000 U	31000 U
2,4,5-T	37 U	38 U	45 U	39 U	31 U
2,4,5-TP (Silvex)	37 U	38 U	45 U	39 U	31 U
Surrogate Recovery					
DCAA	63%	53%	68%	57%	72%

ug/kg - Micrograms per kilogram (parts per billion)
U - Less than reported quantitation limit
DL - Surrogate diluted out

MARYLAND SPECTRAL SERVICES, INC.
1500 Caton Center Drive, Baltimore MD 21227

DIESEL-RANGE ORGANICS (DRO) BY METHODS 3510/8015 (GC/FID)

CLIENT SAMPLE ID:	500	501	080109WBLK
	ROBINSON TERM	ROBINSON TERM	
LAB SAMPLE ID:	08010803	08010804	METHOD BLANK
SAMPLE DATE:	01/04/08	01/04/08	
RECEIVED DATE:	01/08/08	01/08/08	
EXTRACTION DATE:	01/09/08	01/09/08	01/09/08
ANALYSIS DATE:	01/09/08	01/09/08	01/09/08
INSTRUMENT ID:	GC-G	GC-G	GC-G
MATRIX:	WATER	WATER	WATER
UNITS:	mg/L	mg/L	mg/L
DILUTION FACTOR:	1.0	1.1	
PARAMETER			
Diesel-Range Organics (API)	2.87	0.99	U
Surrogate Recovery			
o-Terphenyl	88%	93%	94%

mg/L - Milligrams per Liter (parts per million)
U - Less than reported quantitation limit
DL - Surrogate diluted out.

The above analyses were performed as described in the American Petroleum Institute's "Method for Determination of Diesel Range Organics (1990)"

MARYLAND SPECTRAL SERVICES, INC.
1500 Caton Center Drive Baltimore, MD 21227

VOLATILE ORGANICS BY EPA GC/MS METHOD 8260

CLIENT SAMPLE ID:	500	501	VBLK0108F2
	ROBINSON TERM	ROBINSON TERM	
LAB SAMPLE ID:	08010803	08010804	METHOD BLANK
SAMPLE DATE:	01/04/08	01/04/08	
RECEIVED DATE:	01/08/08	01/08/08	
ANALYSIS DATE:	01/08/08	01/08/08	01/08/08
FILE NAME:	010803	010804	0108VBLKF2
INSTRUMENT ID:	MSF	MSF	MSF
MATRIX:	WATER	WATER	WATER
UNITS:	ug/L	ug/L	ug/L
DILUTION FACTOR:	1.0	1.0	1.0
VOLATILE COMPOUNDS			
Acetone	23	10 U	10 U
t-Amyl Alcohol (TAA)	20 U	20 U	20 U
t-Amyl Methyl Ether (TAME)	5.0 U	5.0 U	5.0 U
Benzene	60	5.0 U	5.0 U
Bromobenzene	5.0 U	5.0 U	5.0 U
Bromochloromethane	5.0 U	5.0 U	5.0 U
Bromodichloromethane	5.0 U	5.0 U	5.0 U
Bromoform	5.0 U	5.0 U	5.0 U
Bromomethane	5.0 U	5.0 U	5.0 U
tert-Butanol (TBA)	15 U	15 U	15 U
2-Butanone (MEK)	10 U	10 U	10 U
n-Butylbenzene	5.0 U	5.0 U	5.0 U
sec-Butylbenzene	5.0 U	5.0 U	5.0 U
tert-Butylbenzene	5.0 U	5.0 U	5.0 U
Carbon Disulfide	5.0 U	5.0 U	5.0 U
Carbon Tetrachloride	5.0 U	5.0 U	5.0 U
Chlorobenzene	5.0 U	5.0 U	5.0 U
Chloroethane	5.0 U	5.0 U	5.0 U
Chloroform	5.0 U	5.0 U	5.0 U
Chloromethane	5.0 U	5.0 U	5.0 U
2-Chlorotoluene	5.0 U	5.0 U	5.0 U
4-Chlorotoluene	5.0 U	5.0 U	5.0 U
1,2-Dibromo-3-chloropropane	5.0 U	5.0 U	5.0 U
Dibromochloromethane	5.0 U	5.0 U	5.0 U
1,2-Dibromoethane (EDB)	5.0 U	5.0 U	5.0 U
Dibromomethane	5.0 U	5.0 U	5.0 U
1,2-Dichlorobenzene	5.0 U	5.0 U	5.0 U
1,3-Dichlorobenzene	5.0 U	5.0 U	5.0 U
1,4-Dichlorobenzene	5.0 U	5.0 U	5.0 U
Dichlorodifluoromethane	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	5.0 U	5.0 U	5.0 U
Dichlorofluoromethane	5.0 U	5.0 U	5.0 U

MARYLAND SPECTRAL SERVICES, INC.
1500 Caton Center Drive Baltimore, MD 21227

VOLATILE ORGANICS BY EPA GC/MS METHOD 8260

CLIENT SAMPLE ID:	500	501	VBLK0108F2
	ROBINSON TERM	ROBINSON TERM	
LAB SAMPLE ID:	08010803	08010804	METHOD BLANK
SAMPLE DATE:	01/04/08	01/04/08	
RECEIVED DATE:	01/08/08	01/08/08	
ANALYSIS DATE:	01/08/08	01/08/08	01/08/08
FILE NAME:	010803	010804	0108VBLKF2
INSTRUMENT ID:	MSF	MSF	MSF
MATRIX:	WATER	WATER	WATER
UNITS:	ug/L	ug/L	ug/L
DILUTION FACTOR:	1.0	1.0	1.0
VOLATILE COMPOUNDS			
1,2-Dichloropropane	5.0 U	5.0 U	5.0 U
1,3-Dichloropropane	5.0 U	5.0 U	5.0 U
2,2-Dichloropropane	5.0 U	5.0 U	5.0 U
1,1-Dichloropropene	5.0 U	5.0 U	5.0 U
cis-1,3-Dichloropropene	5.0 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	5.0 U	5.0 U	5.0 U
Diisopropyl Ether (DIPE)	5.0 U	5.0 U	5.0 U
Ethyl-t-Butyl Ether (ETBE)	5.0 U	5.0 U	5.0 U
Ethylbenzene	5.0 U	5.0 U	5.0 U
Hexachlorobutadiene	5.0 U	5.0 U	5.0 U
2-Hexanone	10 U	10 U	10 U
p-Isopropyl toluene	5.0 U	5.0 U	5.0 U
Isopropylbenzene (Cumene)	5.0 U	5.0 U	5.0 U
4-Methyl-2-Pentanone	10 U	10 U	10 U
Methyl-t-Butyl Ether (MTBE)	5.0 U	5.0 U	5.0 U
Methylene Chloride	5.0 U	5.0 U	5.0 U
Naphthalene	5.0 U	8.6	5.0 U
n-Propylbenzene	5.0 U	5.0 U	5.0 U
Styrene	5.0 U	5.0 U	5.0 U
1,1,1,2-Tetrachloroethane	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	5.0 U	5.0 U	5.0 U
Tetrachloroethene	5.0 U	5.0 U	5.0 U
Toluene	5.0 U	5.0 U	5.0 U
1,2,3-Trichlorobenzene	5.0 U	5.0 U	5.0 U
1,2,4-Trichlorobenzene	5.0 U	5.0 U	5.0 U
1,1,1-Trichloroethane	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	5.0 U	5.0 U	5.0 U
Trichloroethene	5.0 U	5.0 U	5.0 U
Trichlorofluoromethane	5.0 U	5.0 U	5.0 U
1,2,3-Trichloropropane	5.0 U	5.0 U	5.0 U
1,2,4-Trimethylbenzene	5.0 U	5.0 U	5.0 U
1,3,5-Trimethylbenzene	5.0 U	5.0 U	5.0 U
Vinyl Chloride	5.0 U	5.0 U	5.0 U
o-Xylene	3.1 J	4.2 J	5.0 U
m+p-Xylenes	5.0 U	5.0 U	5.0 U

B - Detected in lab blank U - Below reported quantitation level J - Estimated value
ug/L = Microgram per liter (parts per billion)

MARYLAND SPECTRAL SERVICES, INC.
1500 Caton Center Drive, Baltimore, MD 21227

REPORT OF TOTAL RCRA METAL DETERMINATIONS*

CLIENT SAMPLE ID:	500 ROBINSON TERM	501 ROBINSON TERM
MSS SAMPLE ID:	08010803	08010804
ECL SAMPLE ID:	015102001	015102002
SAMPLE DATE:	01/04/08	01/04/08
MSS RECEIVED DATE:	01/08/08	01/08/08
MATRIX:	WATER	WATER
UNITS:	mg/L	mg/L
ANALYTE		
Arsenic	0.020	0.009
Barium	0.129	0.581
Cadmium	0.160	< 0.001
Chromium	0.015	0.048
Lead	0.044	0.112
Mercury	< 0.0002	< 0.0002
Selenium	0.005	0.002
Silver	< 0.001	< 0.001

ANALYTE	METHOD	ANALYSIS DATE	DETECTION LIMIT
Arsenic	200.8	01/14/08	0.001
Barium	200.8	01/14/08	0.001
Cadmium	200.8	01/14/08	0.001
Chromium	200.8	01/14/08	0.001
Lead	200.8	01/14/08	0.001
Mercury	200.8	01/14/08	0.0002
Selenium	200.8	01/14/08	0.001
Silver	200.8	01/14/08	0.001

mg/L - Milligrams per liter (parts per million)
< - Less than reported detection limit

* These analyses performed by Enviro-Chem Laboratories, Inc., Hunt Valley, MD

CHAIN-OF-CUSTODY RECORD

Maryland Spectral Services, Inc.
1500 Caton Center Drive, Suite G
Baltimore, MD 21227
410-247-7600 • Fax 410-247-7602
labman@mdspectral.com

Company Name: ECS (VA)

Project Manager: ATS

Project Name: Robinson Terminal

Client ID: 13669-A

Sampler(s): MJJ

P.O. Number: —

Field Sample ID	Date	Time	Water	Soil	Other	No. Of Con.	TPH-DRO	VOC's	SVOC's (delete if not required)	PCB's	RCRA-8 Metals						Preservative/Remarks	MSS Lab ID
500	1/4		X			4	X	X	X	X	X						Ice, HCl	08-0108-03
501	↓		X			4	X	X	X	X	X						↓	08-0108-04

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
(Printed) Michael Johnson	1/4/07	(Printed) UPS	(Printed)	01/08/08 10A	VB (Printed) Jean Burnfield
Relinquished by: (Signature) (Printed)	Date/Time	Received by Laboratory: (Signature) (Printed)	Date/Time		

Remarks: UNABLE TO ANALYZE FOR PCB'S due to INSUFF SAMPLE — RAN SVOCS ON PRO EXTRACT.

Page 1 of 1

1/04

MARYLAND SPECTRAL SERVICES, INC.
1500 Caton Center Drive Baltimore, MD 21227

SEMIVOLATILE ORGANICS BY EPA GC/MS METHOD 8270

CLIENT SAMPLE ID:	500	501	SWBLK010908
	ROBINSON TERM	ROBINSON TERM	
LAB SAMPLE ID:	08010803	08010804	METHOD BLANK
SAMPLE DATE:	01/04/08	01/04/08	
RECEIVED DATE:	01/08/08	01/08/08	
EXTRACTION DATE:	01/09/08	01/09/08	01/09/08
ANALYSIS DATE:	01/09/08	01/09/08	01/09/08
FILE NAME:	S010803	S010804	SWBLK0109
INSTRUMENT ID:	MSE	MSE	MSE
MATRIX:	WATER	WATER	WATER
UNITS:	UG/L	UG/L	UG/L
RELATIVE DILUTION FACTOR:	1.0	1.0	1.0
SEMIVOLATILE COMPOUNDS			
bis(2-Ethylhexyl)Phthalate	5.0 U	5.0 U	5.0 U
Fluoranthene	5.0 U	5.0 U	5.0 U
Fluorene	5.0 U	5.6	5.0 U
Hexachlorobenzene	5.0 U	5.0 U	5.0 U
Hexachlorobutadiene	5.0 U	5.0 U	5.0 U
Hexachlorocyclopentadiene	5.0 U	5.0 U	5.0 U
Hexachloroethane	5.0 U	5.0 U	5.0 U
Indeno(1,2,3-cd)Pyrene	5.0 U	5.0 U	5.0 U
Isophorone	5.0 U	5.0 U	5.0 U
2-Methylnaphthalene	5.0 U	2.3 J	5.0 U
2-Methylphenol	5.0 U	5.0 U	5.0 U
4-Methylphenol	5.0 U	5.0 U	5.0 U
N-Nitroso-Di-n-Propylamine	5.0 U	5.0 U	5.0 U
N-Nitrosodiphenylamine	5.0 U	5.0 U	5.0 U
Naphthalene	5.0 U	8.3	5.0 U
2-Nitroaniline	25 U	25 U	25 U
4-Nitroaniline	25 U	25 U	25 U
3-Nitroaniline	25 U	25 U	25 U
Nitrobenzene	5.0 U	5.0 U	5.0 U
2-Nitrophenol	5.0 U	5.0 U	5.0 U
4-Nitrophenol	25 U	25 U	25 U
Pentachlorophenol	25 U	25 U	25 U
Phenanthrene	5.0 U	2.2 J	5.0 U
Phenol	5.0 U	5.0 U	5.0 U
Pyrene	5.0 U	5.0 U	5.0 U
1,2,4-Trichlorobenzene	5.0 U	5.0 U	5.0 U
2,4,5-Trichlorophenol	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	5.0 U	5.0 U	5.0 U

B - Detected in Lab Blank. U - Below Reported Quantitation Level. J - Estimated Value.
UG/L - Micrograms per Liter.

MARYLAND SPECTRAL SERVICES, INC.
1500 Caton Center Drive Baltimore, MD 21227

SEMIVOLATILE ORGANICS BY EPA GC/MS METHOD 8270

CLIENT SAMPLE ID:	500	501	SWBLK010908
	ROBINSON TERM	ROBINSON TERM	
LAB SAMPLE ID:	08010803	08010804	METHOD BLANK
SAMPLE DATE:	01/04/08	01/04/08	
RECEIVED DATE:	01/08/08	01/08/08	
EXTRACTION DATE:	01/09/08	01/09/08	01/09/08
ANALYSIS DATE:	01/09/08	01/09/08	01/09/08
FILE NAME:	S010803	S010804	SWBLK0109
INSTRUMENT ID:	MSE	MSE	MSE
MATRIX:	WATER	WATER	WATER
UNITS:	UG/L	UG/L	UG/L
RELATIVE DILUTION FACTOR:	1.0	1.0	1.0
SEMIVOLATILE COMPOUNDS			
Acenaphthene	5.0 U	17	5.0 U
Acenaphthylene	5.0 U	10	5.0 U
Anthracene	5.0 U	5.0 U	5.0 U
Benzo(a)Anthracene	5.0 U	5.0 U	5.0 U
Benzo(a)Pyrene	5.0 U	5.0 U	5.0 U
Benzo(b)fluoranthene	5.0 U	5.0 U	5.0 U
Benzo(g,h,i)Perylene	5.0 U	5.0 U	5.0 U
Benzo(k)fluoranthene	5.0 U	5.0 U	5.0 U
4-Bromophenyl-phenylether	5.0 U	5.0 U	5.0 U
Butylbenzylphthalate	5.0 U	5.0 U	5.0 U
Carbazole	5.0 U	5.0 U	5.0 U
4-Chloro-3-Methylphenol	5.0 U	5.0 U	5.0 U
4-Chloroaniline	5.0 U	5.0 U	5.0 U
bis(2-Chloroethoxy)Methane	5.0 U	5.0 U	5.0 U
bis(2-Chloroethyl)Ether	5.0 U	5.0 U	5.0 U
bis(2-Chloroisopropyl)Ether	5.0 U	5.0 U	5.0 U
2-Chloronaphthalene	5.0 U	5.0 U	5.0 U
2-Chlorophenol	5.0 U	5.0 U	5.0 U
4-Chlorophenyl-phenylether	5.0 U	5.0 U	5.0 U
Chrysene	5.0 U	5.0 U	5.0 U
Di-n-Butylphthalate	5.0 U	5.0 U	5.0 U
Di-n-Octyl Phthalate	5.0 U	5.0 U	5.0 U
Dibenz(a,h)Anthracene	5.0 U	5.0 U	5.0 U
Dibenzofuran	5.0 U	5.0 U	5.0 U
1,2-Dichlorobenzene	5.0 U	5.0 U	5.0 U
1,4-Dichlorobenzene	5.0 U	5.0 U	5.0 U
1,3-Dichlorobenzene	5.0 U	5.0 U	5.0 U
3,3'-Dichlorobenzidine	10 U	10 U	10 U
2,4-Dichlorophenol	5.0 U	5.0 U	5.0 U
Diethylphthalate	5.0 U	5.0 U	5.0 U
Dimethyl Phthalate	3.9 J	5.0 U	5.0 U
2,4-Dimethylphenol	5.0 U	5.0 U	5.0 U
4,6-Dinitro-2-Methylphenol	25 U	25 U	25 U
2,4-Dinitrophenol	25 U	25 U	25 U
2,6-Dinitrotoluene	5.0 U	5.0 U	5.0 U
2,4-Dinitrotoluene	5.0 U	5.0 U	5.0 U

CHAIN-OF-CUSTODY RECORD

Maryland Spectral Services, Inc.
1500 Caton Center Drive, Suite G
Baltimore, MD 21227
410-247-7600 • Fax 410-247-7602
labman@mdspectral.com

Company Name: ECS
Project Manager: ATS
Project Name: Robinson Term.
Client ID: ATS
Sampler(s): ATS
P.O. Number: 13669-A

Field Sample ID	Date	Time	Water	Soil	Other	No. Of Containers	DRO	VOCs	RCRA-8 metals	PCBs	Pesticides	Herbicides	Preservative/Remarks	MSS Lab ID
B-1 - 2.5'-4'	1/8			X			X	X						08-0104-20
8.5'-10'														08-0104-21
18.5'-20'														08-0104-22
B2 - 2.5'-4'														08-0104-23
8.5'-10'														08-0104-24
13.5'-15'														08-0104-25
18.5'-20'													No Soil in jar	08-0104-26
B3 - 1'-2.5'														08-0104-27
8.5'-10'														08-0104-28
13.5'-15'														08-0104-29
28.5'-30'														08-0104-30
B-4 - 5'-6.5'														08-0104-31
13.5'-15'														08-0104-32
23.5'-25'														08-0104-33
28.5'-30'														08-0104-34
B-6 - 23.5'-25'									X					08-0104-35

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
(Printed)		(Printed) Courier	(Printed)	01-04-08	VLB
Relinquished by: (Signature)	Date/Time	Received by Laboratory: (Signature)	Date/Time	Remarks	(Printed) Dan Burnfield
(Printed)		(Printed)			

1/04

CHAIN-OF-CUSTODY RECORD

Maryland Spectral Services, Inc.
1500 Caton Center Drive, Suite G
Baltimore, MD 21227
410-247-7600 • Fax 410-247-7602
labman@mdspectral.com

Company Name: ECS
Project Name: Robinson Term.
Sampler(s): ATS
Project Manager:
Client ID:
P.O. Number: 13669-A

Field Sample ID	Date	Time	Water	Soil	Other	No. Of Containers	DRO	VOCs	RCRA-8 metals	PCBs	Pesticides	Herbicides	Preservative/Remarks	MSS Lab ID
B5 - 2.5'-4'	1/3			X			X	X						08-0104-36
8.5'-10'														08-0104-37
28.5'-30'														08-0104-38
33.5'-35'														08-0104-39
B6 - 5'-6.5'														08-0104-40
8.5'-10'														08-0104-41
13.5'-15'														08-0104-42
28.5'-30'														08-0104-43
18.5'-20'														08-0104-44
B-1 - 1'-2.5'									X					08-0104-45
B-2 - 5'-6.5'									X					08-0104-46
B-3 - 2.5'-4'										X	X	X		08-0104-47
B-4 - 18.5'-20'										X	X	X		08-0104-48
B-5 - 5'-6.5'									X					08-0104-49
B-6 - 1'-2.5'										X	X	X		08-0104-50
B-6 - 18.5'-20'										X	X	X		08-0104-51

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
(Printed)	1/3/08	(Printed)	(Printed)	01-04-08	
Relinquished by: (Signature)	Date/Time	Received by Laboratory: (Signature)	Date/Time	Remarks	(Printed)
(Printed)		(Printed)			

Page 2 of 2

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