SITE INVESTIGATION
LETTER REPORT ADDENDUM

NORTH FRANKLIN STREET SITE
SITE #8-49-002
VILLAGE OF WATKINS GLEN, NEW YORK

Prepared For:

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
WORK ASSIGNMENT D004433-16

FINAL

Prepared By:

URS CORPORATION
77 GOODELL STREET
BUFFALO, NEW YORK 14203

URS

April 16, 2007

Mr. David J. Chiusano, Project Manager
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
12th Floor
Albany, New York 12233-7017

RE: NYSDEC Standby Contract
Site Investigation # D004433-16
North Franklin Street Site, Site No. 8-49-002
Letter Report Addendum

Dear Mr. Chiusano:

This Letter Report Addendum supplements the North Franklin Street Site Investigation Report, dated February 2007. URS Corporation (URS) revised the Draft Letter Report Addendum, which was sent on April 6, 2007. Revisions to the Draft Letter Report Addendum were made as per your April 6, 2007 e-mail comments where the analytical results for the soil samples were to be compared to Title 6 of the Official Compilation of New York Codes, Rules and Regulations (6 NYCRR) Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006 instead of New York State Department of Environmental Conservation (NYSDEC) Technical and Administrative Guidance Memorandum #4046 (TAGM) recommended soil cleanup objectives (RSCOs).

URS has reviewed and validated additional soil samples collected during the fieldwork completed between September and November 2006. These additional soil samples were collected as directed by Mr. Chad Kehoe, the regional representative of the NYSDEC. The samples will be used to assist in the identification of the petroleum source, which has impacted site soils and groundwater.

A series of Geoprobe® borings were advanced on October 19, 2006, and a secondary set of borings were advanced adjacent to the primary borings on the following day (see Figure 1 and 2). On October 20, 2006 URS collected one soil sample (TCLP-2) from the Clifford Motors property from the secondary Geoprobe® boring adjacent to boring GB-30 and one soil sample (TCLP-1) from the Captain Bill's property (TCLP-1) from GB-31's adjacent the secondary Geoprobe® boring. The sample intervals for the secondary borings were identical to those of the samples collected from the primary borings. The soil samples were labeled with a unique sample identification number, transported under chain-of-custody (COC) control, and stored in a freezer at the URS-Buffalo office.

On November 21, 2006, the NYSDEC requested that URS submit the samples for analyses. The samples were shipped under COC control to Mitken Corporation, which is a New York State Department of Health New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) certified laboratory. The samples were analyzed for volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260B, semi-volatile organic compounds (SVOCs) by USEPA Method 8270C, and petroleum hydrocarbon scan for gasoline range organics/diesel range

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organics (GRO/DRO) by USEPA Method 8015M.

Analyses and Data Usability

The data packages were prepared by the laboratory in accordance with the NYSDEC's Category B Deliverables requirements. The deliverables were reviewed by a URS chemist for compliance with the referenced method and the applicable Region II validation guidelines. A Data Usability Summary Report (DUSR) was prepared by a URS chemist following the guidelines provided in NYSDEC Division of Environmental Remediation *Guidance for the Development of Data Usability Summary Reports,* dated June 1999.

All results were considered to be conditionally usable due to the holding time exceedances and other nonconformances identified in the DUSR provided in Attachment 1. The potential loss of VOCs and GRO constituents due to the extended storage period prior to analysis should be considered when evaluating the results of these analyses.

The DUSR may be found in Attachment 1.

Summary of Analytical Results

As directed by the NYSDEC, the detected results were compared to Title 6 of the Official Compilation of New York Codes, Rules and Regulations (6 NYCRR) Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006. Table 1 shows all detected compounds and exceedances to the soil cleanup objectives (SCOs); the exceedances are circled.

Three VOCs (i.e., acetone, benzene, and xylenes [total]) were detected in soil sample TCLP-2 at levels exceeding their respective SCOs.

No SVOCs were detected in the soil samples at levels exceeding their respective SCOs.

The concentration for DRO was estimated at 180 and 4,200 milligrams per kilogram (mg/kg) in TCLP-1 and TCLP-2 respectively. The concentration for GRO was estimated at 71,000 µg/kg in TCLP-2.

Soil sample locations and their corresponding analytical results for VOCs and SVOCs that exceed SCOs are shown on Figures 1 and 2 for TCLP-2 (GB-30 6.0-7.0') and TCLP-1 (GB-31 8.0-9.0'), respectively.

Table 2 also shows the detected results of the additional soil samples and the results of the soil samples initially collected from the associated Geoprobe® borings for comparison.

The following tables, figures and attachments are included as part of this Letter Report Addendum:

Tables

Table 1: Additional Sample Detected Analytical Results
Table 2: Comparison of Detected Soil Analytical Results

Figures

Figure 1: Clifford Motors Soil Analytical Results
Figure 2: Captain Bill's Soil Analytical Results

Attachments

Attachment 1: Data Usability Summary Report

Should you have any questions or comments, please do not hesitate to contact me at 716-856-5636.

Sincerely,

URS CORPORATION

Charles E. Dusel, Jr.
Sr. Project Manager

cc: File: 11174720 (R-1)
Chad Kehoe – NYSDEC – Region 8
Scott McCabe – URS Corporation (Buffalo)

TABLES

TABLE 1
SUMMARY OF ADDITIONAL DETECTED SOIL SAMPLE RESULTS
NORTH FRANKLIN ST. SITE

Location ID			GB-30	GB-31
Sample ID			TCLP-2	TCLP-1
Matrix			Soil	Soil
Depth Interval (ft)			6.0-7.0	8.0-9.0
Date Sampled			10/20/06	10/20/06
Parameter	**Units**	**Criteria***		
Volatile Organic Compounds				
Acetone	UG/KG	50	290 J	51 J
Methyl ethyl ketone (2-Butanone)	UG/KG	120	67 UJ	13 J
Benzene	UG/KG	60	490 J	2 J
Toluene	UG/KG	700	300 J	2 J
Ethylbenzene	UG/KG	1000	710 J	6 UJ
Xylene (total)	UG/KG	260	13,000 DJ	3 J
1,2,4-Trichlorobenzene	UG/KG	-	67 UJ	1 J
Methylcyclohexane	UG/KG	-	1,100 J	1 J
Cyclohexane	UG/KG	-	1,600 J	6 UJ
Isopropylbenzene	UG/KG	-	200 J	6 UJ
Semivolatile Organic Compounds				
2-Methylnaphthalene	UG/KG	-	5,300 J	70 J
Anthracene	UG/KG	100000	97 J	70 J
Benzo(a)anthracene	UG/KG	1000	220 J	380 J
Benzo(a)pyrene	UG/KG	1000	180 J	320 J
Benzo(b)fluoranthene	UG/KG	1000	880 UJ	440 J
Benzo(g,h,i)perylene	UG/KG	100000	110 J	110 J
Benzo(k)fluoranthene	UG/KG	800	880 UJ	150 J
bis(2-Ethylhexyl)phthalate	UG/KG	-	1,100 J	89 J
Carbazole	UG/KG	-	880 UJ	61 J
Chrysene	UG/KG	1000	140 J	380 J
Fluoranthene	UG/KG	100000	290 J	540 J

*Criteria- NYSDEC 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

U - The analyte was analyzed for, but not detected. The associated numerical value is at or below the method detection limit.

J - Estimated value

Only Detected Results Reported.

Detection Limits shown are PQL

TABLE 1
SUMMARY OF ADDITIONAL DETECTED SOIL SAMPLE RESULTS
NORTH FRANKLIN ST. SITE

Location ID			GB-30	GB-31
Sample ID			TCLP-2	TCLP-1
Matrix			Soil	Soil
Depth Interval (ft)			6.0-7.0	8.0-9.0
Date Sampled			10/20/06	10/20/06
Parameter	**Units**	**Criteria***		
Semivolatile Organic Compounds				
Fluorene	UG/KG	30000	200 J	400 UJ
Indeno(1,2,3-cd)pyrene	UG/KG	500	880 UJ	130 J
Naphthalene	UG/KG	12000	4,000 J	87 J
Phenanthrene	UG/KG	100000	600 J	230 J
Pyrene	UG/KG	100000	840 J	520 J
Petroleum Hydrocarbon Mixtures				
Diesel Range Organics	MG/KG	-	4,200 J	180 J
Gasoline Range Organics	UG/KG	-	71,000 J	13,000 UJ

*Criteria- NYSDEC 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives.

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TABLE 2
COMPARISON OF DETECTED SOIL ANALYTICAL RESULTS
NORTH FRANKLIN ST. SITE

Location ID			GB-03	GB-05	GB-09	GB-10	GB-11
Sample ID			GB-03-5-6	GB-05-5-7	GB-09-7-8	GB-10-6-7	GB-11-3-4
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			5.0-6.0	5.0-7.0	7.0-8.0	6.0-7.0	3.0-4.0
Date Sampled			10/17/06	10/17/06	10/17/06	10/17/06	10/17/06
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
Acetone	UG/KG	50	NA	NA	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	UG/KG	120	NA	NA	NA	NA	NA
Benzene	UG/KG	60	6 U	7 UJ	7 UJ	7 U	6 U
Toluene	UG/KG	700	2 J	7 UJ	7 UJ	7 UJ	1 J
Ethylbenzene	UG/KG	1000	6 UJ	7 UJ	7 UJ	7 UJ	6 U
Xylene (total)	UG/KG	260	1 J	6 UJ	240 J	2 J	5 J
1,2,4-Trichlorobenzene	UG/KG	-	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	UG/KG	3600	3 J	33 J	510 J	2 J	2 J
1,3,5-Trimethylbenzene	UG/KG	8400	6 UJ	22 J	180 J	7 UJ	6 U
Methyl tert-Butyl Ether	UG/KG	930	6 U	7 UJ	7 UJ	7 U	6 U
Methylcyclohexane	UG/KG	-	NA	NA	NA	NA	NA
Cyclohexane	UG/KG	-	NA	NA	NA	NA	NA
Isopropylbenzene	UG/KG	-	6 UJ	4 J	22 J	7 UJ	8
4-Isopropyltoluene	UG/KG	-	6 UJ	10 J	19 J	7 UJ	6 U
Naphthalene	UG/KG	-	6 U	12 J	89 J	7 UJ	6 U
n-Butylbenzene	UG/KG	12000	6 UJ	7 U	37 J	7 UJ	3 J
n-Propylbenzene	UG/KG	3900	6 UJ	3 J	79	7 UJ	19
sec-Butylbenzene	UG/KG	11000	6 UJ	12 J	7 UJ	7 UJ	4 J
Semivolatile Organic Compounds							
2-Methylnaphthalene	UG/KG	-	NA	NA	NA	NA	NA
Acenaphthene	UG/KG	20000	420 U	430 U	480 U	470 U	420 U
Anthracene	UG/KG	100000	420 U	430 U	480 U	470 U	420 U

*Criteria- NYSDEC 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives.

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Only Detected Results Reported.

Detection Limits shown are PQL

TABLE 2
COMPARISON OF DETECTED SOIL ANALYTICAL RESULTS
NORTH FRANKLIN ST. SITE

Location ID			GB-03	GB-05	GB-09	GB-10	GB-11
Sample ID			GB-03-5-6	GB-05-5-7	GB-09-7-8	GB-10-6-7	GB-11-3-4
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			5.0-6.0	5.0-7.0	7.0-8.0	6.0-7.0	3.0-4.0
Date Sampled			10/17/06	10/17/06	10/17/06	10/17/06	10/17/06
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
Benzo(a)anthracene	UG/KG	1000	420 U	430 U	480 U	470 UJ	420 U
Benzo(a)pyrene	UG/KG	1000	420 U	430 U	480 U	470 U	420 U
Benzo(b)fluoranthene	UG/KG	1000	420 U	430 U	480 U	470 U	420 U
Benzo(g,h,i)perylene	UG/KG	100000	420 U	430 U	480 U	470 U	420 U
Benzo(k)fluoranthene	UG/KG	800	420 U	430 U	480 U	470 U	420 U
bis(2-Ethylhexyl)phthalate	UG/KG	-	NA	NA	NA	NA	NA
Carbazole	UG/KG	-	NA	NA	NA	NA	NA
Chrysene	UG/KG	1000	420 U	68 J	480 U	470 UJ	420 U
Dibenz(a,h)anthracene	UG/KG	330	420 U	430 U	480 U	470 U	420 U
Fluoranthene	UG/KG	100000	420 U	55 J	480 U	470 U	420 U
Fluorene	UG/KG	30000	420 U	430 U	480 U	470 U	420 U
Indeno(1,2,3-cd)pyrene	UG/KG	500	420 U	430 U	480 U	470 U	420 U
Naphthalene	UG/KG	12000	420 U	130 J	480 U	470 U	43 J
Phenanthrene	UG/KG	100000	420 U	88 J	480 U	470 U	420 U
Pyrene	UG/KG	100000	420 U	66 J	480 U	470 UJ	420 U
Petroleum Hydrocarbon Mixtures							
Diesel Range Organics	MG/KG	-	NA	NA	NA	NA	NA
Gasoline Range Organics	UG/KG	-	NA	NA	NA	NA	NA

*Criteria- NYSDEC 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives.

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TABLE 2
COMPARISON OF DETECTED SOIL ANALYTICAL RESULTS
NORTH FRANKLIN ST. SITE

Location ID			GB-12	GB-13/SG-06	GB-15	GB-17	GB-17
Sample ID			GB-12-5-6	GB-13	GB-15	DUP-1	GB-17
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			5.0-6.0	6.5-7.5	11.0-12.0	6.0-7.0	6.0-7.0
Date Sampled			10/17/06	10/18/06	10/18/06	10/18/06	10/18/06
Parameter	Units	Criteria*				Field Duplicate (1-1)	
Volatile Organic Compounds							
Acetone	UG/KG	50	NA	NA	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	UG/KG	120	NA	NA	NA	NA	NA
Benzene	UG/KG	60	10 UJ	100	7 UJ	2,100	650
Toluene	UG/KG	700	10 UJ	99	7 UJ	160 J	39 J
Ethylbenzene	UG/KG	1000	17,000 J	380	7 UJ	450	51 J
Xylene (total)	UG/KG	260	81,000 J	790	3 J	15,000	2,400
1,2,4-Trichlorobenzene	UG/KG	-	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	UG/KG	3600	130,000 J	1,900	3 J	10,000	1,100
1,3,5-Trimethylbenzene	UG/KG	8400	47,000 J	420	7 UJ	3,900	420
Methyl tert-Butyl Ether	UG/KG	930	10 UJ	62 U	12 J	360 U	60 U
Methylcyclohexane	UG/KG	-	NA	NA	NA	NA	NA
Cyclohexane	UG/KG	-	NA	NA	NA	NA	NA
Isopropylbenzene	UG/KG	-	7,800 J	130	7 U	460	46 J
4-Isopropyltoluene	UG/KG	-	3,900 J	29 J	7 U	360 U	18 J
Naphthalene	UG/KG	-	16,000 J	410	3 J	5,100	600
n-Butylbenzene	UG/KG	12000	21,000 J	180	7 UJ	1,700	110
n-Propylbenzene	UG/KG	3900	22,000 J	320	7 UJ	1,600	150
sec-Butylbenzene	UG/KG	11000	4,700 J	62 U	7 UJ	300 J	21 J
Semivolatile Organic Compounds							
2-Methylnaphthalene	UG/KG	-	NA	NA	NA	NA	NA
Acenaphthene	UG/KG	20000	64 J	410 U	480 U	84 J	67 J
Anthracene	UG/KG	100000	56 J	410 UJ	480 U	140 J	130 J

*Criteria- NYSDEC 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives.

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Only Detected Results Reported.

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TABLE 2
COMPARISON OF DETECTED SOIL ANALYTICAL RESULTS
NORTH FRANKLIN ST. SITE

Location ID			GB-12	GB-13/SG-06	GB-15	GB-17	GB-17
Sample ID			GB-12-5-6	GB-13	GB-15	DUP-1	GB-17
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			5.0-6.0	6.5-7.5	11.0-12.0	6.0-7.0	6.0-7.0
Date Sampled			10/17/06	10/18/05	10/18/06	10/18/06	10/18/06
Parameter	Units	Criteria*				Field Duplicate (1-1)	
Semivolatile Organic Compounds							
Benzo(a)anthracene	UG/KG	1000	120 J	410 UJ	480 U	180 J	400 U
Benzo(a)pyrene	UG/KG	1000	69 J	410 UJ	480 U	140 J	400 UJ
Benzo(b)fluoranthene	UG/KG	1000	110 J	410 UJ	480 U	210 J	400 UJ
Benzo(g,h,i)perylene	UG/KG	100000	420 U	410 UJ	480 U	150 J	86 J
Benzo(k)fluoranthene	UG/KG	800	69 J	410 UJ	480 U	90 J	400 UJ
bis(2-Ethylhexyl)phthalate	UG/KG	-	NA	NA	NA	NA	NA
Carbazole	UG/KG	-	NA	NA	NA	NA	NA
Chrysene	UG/KG	1000	150 J	410 UJ	480 U	550	400 U
Dibenz(a,h)anthracene	UG/KG	330	420 U	410 UJ	480 U	410 U	400 UJ
Fluoranthene	UG/KG	100000	490	410 UJ	480 U	220 J	190 J
Fluorene	UG/KG	30000	140 J	410 U	480 U	240 J	170 J
Indeno(1,2,3-cd)pyrene	UG/KG	500	420 U	410 UJ	480 U	82 J	400 UJ
Naphthalene	UG/KG	12000	17,000 D	180 J	480 U	3,500	3,300
Phenanthrene	UG/KG	100000	650	410 UJ	480 U	1,000	730
Pyrene	UG/KG	100000	390 J	410 UJ	480 U	1,200	690
Petroleum Hydrocarbon Mixtures							
Diesel Range Organics	MG/KG	-	NA	NA	NA	NA	NA
Gasoline Range Organics	UG/KG	-	NA	NA	NA	NA	NA

*Criteria- NYSDEC 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives.

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TABLE 2
COMPARISON OF DETECTED SOIL ANALYTICAL RESULTS
NORTH FRANKLIN ST. SITE

Location ID			GB-18	GB-20	GB-21	GB-22	GB-23
Sample ID			GB-18	GB-20	GB-21	GB-22	DUP-2
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			6.0-7.0	6.0-7.0	6.0-7.0	6.0-7.0	9.0-10.0
Date Sampled			10/18/06	10/18/06	10/18/06	10/18/06	10/18/06
Parameter	Units	Criteria*					Field Duplicate (1-1)
Volatile Organic Compounds							
Acetone	UG/KG	50	NA	NA	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	UG/KG	120	NA	NA	NA	NA	NA
Benzene	UG/KG	60	9 U	29	6 U	38	6 U
Toluene	UG/KG	700	6 J	4 J	2 J	43	1 J
Ethylbenzene	UG/KG	1000	9 UJ	32 J	6 U	180 DJ	6 U
Xylene (total)	UG/KG	260	75 J	1,700 D	6 U	2,100 D	6 UJ
1,2,4-Trichlorobenzene	UG/KG	-	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	UG/KG	3600	180 J	4,400 D	2 J	2,600 D	6 U
1,3,5-Trimethylbenzene	UG/KG	8400	16 J	1,100 D	6 U	870 D	6 U
Methyl tert-Butyl Ether	UG/KG	930	9 U	7 U	6 U	410 U	6 U
Methylcyclohexane	UG/KG	-	NA	NA	NA	NA	NA
Cyclohexane	UG/KG	-	NA	NA	NA	NA	NA
Isopropylbenzene	UG/KG	-	2 J	140 J	6 U	160 DJ	6 U
4-Isopropyltoluene	UG/KG	-	4 J	32 J	6 U	120	6 U
Naphthalene	UG/KG	-	9 UJ	1,000 D	6 U	130	6 UJ
n-Butylbenzene	UG/KG	12000	9 UJ	200 J	3 J	110 DJ	6 UJ
n-Propylbenzene	UG/KG	3900	6 J	7 UJ	6 U	530 D	6 U
sec-Butylbenzene	UG/KG	11000	9 UJ	49 J	6 U	160	6 U
Semivolatile Organic Compounds							
2-Methylnaphthalene	UG/KG	-	NA	NA	NA	NA	NA
Acenaphthene	UG/KG	20000	570 U	480 U	390 U	440 U	540 J
Anthracene	UG/KG	100000	570 U	480 U	390 U	440 U	5,800

*Criteria- NYSDEC 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives.

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Only Detected Results Reported.

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TABLE 2
COMPARISON OF DETECTED SOIL ANALYTICAL RESULTS
NORTH FRANKLIN ST. SITE

Location ID			GB-18	GB-20	GB-21	GB-22	GB-23
Sample ID			GB-18	GB-20	GB-21	GB-22	DUP-2
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			6.0-7.0	6.0-7.0	6.0-7.0	6.0-7.0	9.0-10.0
Date Sampled			10/18/06	10/18/06	10/18/06	10/18/06	10/18/06
Parameter	**Units**	**Criteria***					Field Duplicate (1-1)
Semivolatile Organic Compounds							
Benzo(a)anthracene	UG/KG	1000	570 U	480 U	390 U	440 U	11,000
Benzo(a)pyrene	UG/KG	1000	570 U	480 U	390 U	440 U	10,000
Benzo(b)fluoranthene	UG/KG	1000	570 U	480 U	390 U	440 U	14,000
Benzo(g,h,i)perylene	UG/KG	100000	570 U	480 U	390 U	440 U	2,300
Benzo(k)fluoranthene	UG/KG	800	570 U	480 U	390 U	440 U	7,000
bis(2-Ethylhexyl)phthalate	UG/KG	-	NA	NA	NA	NA	NA
Carbazole	UG/KG	-	NA	NA	NA	NA	NA
Chrysene	UG/KG	1000	570 U	480 U	390 U	440 U	10,000
Dibenz(a,h)anthracene	UG/KG	330	570 U	480 U	390 U	440 U	870
Fluoranthene	UG/KG	100000	570 U	480 U	390 U	440 U	20,000
Fluorene	UG/KG	30000	570 U	480 U	54 J	440 U	2,500
Indeno(1,2,3-cd)pyrene	UG/KG	500	570 U	480 U	390 U	440 U	2,900
Naphthalene	UG/KG	12000	570 U	1,000	940	440 U	1,600
Phenanthrene	UG/KG	100000	570 U	480 U	76 J	440 U	16,000
Pyrene	UG/KG	100000	570 U	480 U	390 U	440 U	21,000
Petroleum Hydrocarbon Mixtures							
Diesel Range Organics	MG/KG	-	NA	NA	NA	NA	NA
Gasoline Range Organics	UG/KG	-	NA	NA	NA	NA	NA

*Criteria- NYSDEC 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

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TABLE 2
COMPARISON OF DETECTED SOIL ANALYTICAL RESULTS
NORTH FRANKLIN ST. SITE

Location ID			GB-23	GB-24	GB-25	GB-26	GB-27
Sample ID			GB-23	GB-24	GB-25-6-7	GB-26-6-7	GB-27-6-7
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			9.0-10.0	6.0-7.0	6.0-7.0	6.0-7.0	6.0-7.0
Date Sampled			10/18/06	10/18/06	10/19/06	10/19/06	10/19/06
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
Acetone	UG/KG	50	NA	NA	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	UG/KG	120	NA	NA	NA	NA	NA
Benzene	UG/KG	60	6 U	4 J	59 J	150 J	12 UJ
Toluene	UG/KG	700	1 J	4 J	32 J	730 U	12 UJ
Ethylbenzene	UG/KG	1000	6 U	65	1,000 D	730 J	120 J
Xylene (total)	UG/KG	260	6 UJ	760 D	10,000 D	35,000	1,300 J
1,2,4-Trichlorobenzene	UG/KG	-	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	UG/KG	3600	6 U	3,900 D	5,900 D	18,000	1,400 J
1,3,5-Trimethylbenzene	UG/KG	8400	6 U	1,100 D	6,400 D	6,200	490 J
Methyl tert-Butyl Ether	UG/KG	930	6 U	6 U	6 U	730 U	12 UJ
Methylcyclohexane	UG/KG	-	NA	NA	NA	NA	NA
Cyclohexane	UG/KG	-	NA	NA	NA	NA	NA
Isopropylbenzene	UG/KG	-	6 U	170	1,700 D	1,200	58 J
4-Isopropyltoluene	UG/KG	-	6 U	110	680 U	730 U	12 UJ
Naphthalene	UG/KG	-	6 UJ	1,400 D	1,500 D	1,600	180 J
n-Butylbenzene	UG/KG	12000	6 UJ	500 D	2,900 D	1,600	12 UJ
n-Propylbenzene	UG/KG	3900	6 U	500 D	3,900 D	3,500	170 J
sec-Butylbenzene	UG/KG	11000	6 U	150	560 DJ	320 J	12 J
Semivolatile Organic Compounds							
2-Methylnaphthalene	UG/KG	-	NA	NA	NA	NA	NA
Acenaphthene	UG/KG	20000	370 U	430 U	68 J	65	410 U
Anthracene	UG/KG	100000	160 J	430 U	400 U	81	410 U

*Criteria- NYSDEC 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

U - The analyte was analyzed for, but not detected. The associated numerical value is at or below the method detection limit.

D - Result reported from a secondary dilution analysis.; J - Estimated value

Only Detected Results Reported.

Detection Limits shown are PQL

TABLE 2
COMPARISON OF DETECTED SOIL ANALYTICAL RESULTS
NORTH FRANKLIN ST. SITE

Location ID			GB-23	GB-24	GB-25	GB-26	GB-27
Sample ID			GB-23	GB-24	GB-25-6-7	GB-26-6-7	GB-27-6-7
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			9.0-10.0	6.0-7.0	6.0-7.0	6.0-7.0	6.0-7.0
Date Sampled			10/18/06	10/18/06	10/19/06	10/19/06	10/19/06
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
Benzo(a)anthracene	UG/KG	1000	350 J	430 U	82 J	48	410 U
Benzo(a)pyrene	UG/KG	1000	300 J	430 U	400 U	410 U	410 U
Benzo(b)fluoranthene	UG/KG	1000	360 J	430 U	61 J	410 U	410 U
Benzo(g,h,i)perylene	UG/KG	100000	100 J	430 U	400 U	42	410 U
Benzo(k)fluoranthene	UG/KG	800	240 J	430 U	400 U	410 U	410 U
bis(2-Ethylhexyl)phthalate	UG/KG	-	NA	NA	NA	NA	NA
Carbazole	UG/KG	-	NA	NA	NA	NA	NA
Chrysene	UG/KG	1000	310 J	430 U	160 J	87	410 U
Dibenz(a,h)anthracene	UG/KG	330	370 U	430 U	400 U	410 U	410 U
Fluoranthene	UG/KG	100000	820	430 U	72 J	100	410 U
Fluorene	UG/KG	30000	54 J	430 U	120 J	160	410 U
Indeno(1,2,3-cd)pyrene	UG/KG	500	110 J	430 U	400 U	410 U	410 U
Naphthalene	UG/KG	12000	62 J	430	2,500	1,900	410 U
Phenanthrene	UG/KG	100000	490	430 U	350 J	480	410 U
Pyrene	UG/KG	100000	670	430 U	360 J	450	410 U
Petroleum Hydrocarbon Mixtures							
Diesel Range Organics	MG/KG	-	NA	NA	NA	NA	NA
Gasoline Range Organics	UG/KG	-	NA	NA	NA	NA	NA

*Criteria- NYSDEC 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

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D - Result reported from a secondary dilution analysis.; J - Estimated value

Only Detected Results Reported.

Detection Limits shown are PQL

TABLE 2
COMPARISON OF DETECTED SOIL ANALYTICAL RESULTS
NORTH FRANKLIN ST. SITE

Location ID			GB-28	GB-29	GB-30	GB-30	GB-31
Sample ID			GB-28-6-7	GB-29-6-7	GB-30-6-7	TCLP-2	GB-31-8-9
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			6.0-7.0	6.0-7.0	6.0-7.0	6.0-7.0	8.0-9.0
Date Sampled			10/19/06	10/19/06	10/19/06	10/20/06	10/19/06
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
Acetone	UG/KG	50	NA	NA	NA	290 J	NA
Methyl ethyl ketone (2-Butanone)	UG/KG	120	NA	NA	NA	67 UJ	NA
Benzene	UG/KG	60	62 UJ	15 J	3,300 U	490 J	3,200 U
Toluene	UG/KG	700	62 UJ	4 J	3,300 U	300 J	1,100 J
Ethylbenzene	UG/KG	1000	1,800 J	500 D	12,000	710 J	27,000
Xylene (total)	UG/KG	260	9,700 J	2,000 D	62,000	13,000 DJ	140,000
1,2,4-Trichlorobenzene	UG/KG	-	NA	NA	NA	67 UJ	NA
1,2,4-Trimethylbenzene	UG/KG	3500	17,000 J	5,000 D	120,000	NA	85,000
1,3,5-Trimethylbenzene	UG/KG	8400	7,000 J	2,900 D	40,000	NA	28,000
Methyl tert-Butyl Ether	UG/KG	930	62 UJ	6 U	3,300 U	67 UJ	3,200 U
Methylcyclohexane	UG/KG	-	NA	NA	NA	1,100 J	NA
Cyclohexane	UG/KG	-	NA	NA	NA	1,600 J	NA
Isopropylbenzene	UG/KG	-	830 J	880 D	5,100	200 J	4,000
4-Isopropyltoluene	UG/KG	-	350 J	150 J	3,300 U	NA	3,200 U
Naphthalene	UG/KG	-	4,000 J	6,000 D	4,900	NA	9,400
n-Butylbenzene	UG/KG	12000	2,400 J	2,400 D	12,000	NA	7,000
n-Propylbenzene	UG/KG	3900	2,800 J	3,200 D	21,000	NA	16,000
sec-Butylbenzene	UG/KG	11000	450 J	560 D	2,500 J	NA	1,400 J
Semivolatile Organic Compounds							
2-Methylnaphthalene	UG/KG	-	NA	NA	NA	5,300 J	NA
Acenaphthene	UG/KG	20000	60 J	430 U	750 U	880 UJ	1,100 U
Anthracene	UG/KG	100000	400 U	430 U	76 J	97 J	1,100 U

*Criteria- NYSDEC 6 NYCRR Part 375, Table 375-6 8(a): Unrestricted Use Soil Cleanup Objectives.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

U - The analyte was analyzed for, but not detected. The associated numerical value is at or below the method detection limit.

D - Result reported from a secondary dilution analysis.; J - Estimated value

Only Detected Results Reported.

Detection Limits shown are PQL

TABLE 2
COMPARISON OF DETECTED SOIL ANALYTICAL RESULTS
NORTH FRANKLIN ST. SITE

Location ID			GB-28	GB-29	GB-30	GB-30	GB-31
Sample ID			GB-28-6-7	GB-29-6-7	GB-30-6-7	TCLP-2	GB-31-8-9
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			6.0-7.0	6.0-7.0	6.0-7.0	6.0-7.0	8.0-9.0
Date Sampled			10/19/06	10/19/06	10/19/06	10/20/06	10/19/06
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
Benzo(a)anthracene	UG/KG	1000	400 U	77 J	200 J	220 J	1,100 U
Benzo(a)pyrene	UG/KG	1000	400 U	71 J	190 J	180 J	1,100 U
Benzo(b)fluoranthene	UG/KG	1000	400 U	110 J	290 J	880 UJ	1,100 U
Benzo(g,h,i)perylene	UG/KG	100000	400 U	430 U	81 J	110 J	1,100 U
Benzo(k)fluoranthene	UG/KG	800	400 U	51 J	140 J	880 UJ	1,100 U
bis(2-Ethylhexyl)phthalate	UG/KG	-	NA	NA	NA	1,100 J	NA
Carbazole	UG/KG	-	NA	NA	NA	880 UJ	NA
Chrysene	UG/KG	1000	400 U	87 J	220 J	140 J	1,100 U
Dibenz(a,h)anthracene	UG/KG	330	400 U	430 U	750 U	880 UJ	1,100 U
Fluoranthene	UG/KG	100000	400 U	210 J	420 J	290 J	1,100 U
Fluorene	UG/KG	30000	96 J	55 J	130 J	200 J	140 J
Indeno(1,2,3-cd)pyrene	UG/KG	500	400 U	430 U	750 U	880 UJ	1,100 U
Naphthalene	UG/KG	12000	4,300	3,800	8,200	4,000 J	13,000
Phenanthrene	UG/KG	100000	120 J	180 J	350 J	600 J	220 J
Pyrene	UG/KG	100000	75 J	190 J	480 J	840 J	1,100 U
Petroleum Hydrocarbon Mixtures							
Diesel Range Organics	MG/KG	-	NA	NA	NA	4,200 J	NA
Gasoline Range Organics	UG/KG	-	NA	NA	NA	71,000 J	NA

*Criteria- NYSDEC 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

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Only Detected Results Reported.

Detection Limits shown are PQL

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([LOCID] LIKE 'GB' OR [LOCID] = GB-31) AND [MATRIX] = SO AND ([SACODE] = FD OR [SACODE] = N)

TABLE 2
COMPARISON OF DETECTED SOIL ANALYTICAL RESULTS
NORTH FRANKLIN ST. SITE

Location ID			GB-31	GB-32	GB-33	GB-34	GB-35
Sample ID			TCLP-1	GB-32-9-10	GB-33-6-7	GB-34-6-7	GB-35-6-7
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			8.0-9.0	9.0-10.0	6.0-7.0	6.0-7.0	6.0-7.0
Date Sampled			10/20/06	10/19/06	10/19/06	10/19/06	10/19/06
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
Acetone	UG/KG	50	51 J	NA	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	UG/KG	120	13 J	NA	NA	NA	NA
Benzene	UG/KG	60	2 J	1,300 U	2 J	4 J	5 U
Toluene	UG/KG	700	2 J	1,300 U	8 J	16 J	7
Ethylbenzene	UG/KG	1000	6 UJ	1,300 U	5 J	3 J	5 U
Xylene (total)	UG/KG	260	3 J	830 J	23 J	9 J	5 U
1,2,4-Trichlorobenzene	UG/KG	-	1 J	NA	NA	NA	NA
1,2,4-Trimethylbenzene	UG/KG	3600	NA	26,000	110 J	17 J	3 J
1,3,5-Trimethylbenzene	UG/KG	8400	NA	9,100	30 J	5 J	5 U
Methyl tert-Butyl Ether	UG/KG	930	6 UJ	1,300 U	5 J	6 UJ	5 U
Methylcyclohexane	UG/KG	-	1 J	NA	NA	NA	NA
Cyclohexane	UG/KG	-	6 UJ	NA	NA	NA	NA
Isopropylbenzene	UG/KG	-	6 UJ	1,100 J	2 J	6 UJ	5 U
4-Isopropyltoluene	UG/KG	-	NA	1,300 U	2 J	2 J	5 U
Naphthalene	UG/KG	-	NA	2,200	160 J	20 J	12
n-Butylbenzene	UG/KG	12000	NA	2,900	14 J	4 J	2 J
n-Propylbenzene	UG/KG	3900	NA	5,400	17 J	4 J	5 U
sec-Butylbenzene	UG/KG	11000	NA	620 J	6 UJ	2 J	5 U
Semivolatile Organic Compounds							
2-Methylnaphthalene	UG/KG	-	70 J	NA	NA	NA	NA
Acenaphthene	UG/KG	20000	400 UJ	370 U	760 J	390 U	350 U
Anthracene	UG/KG	100000	70 J	370 U	4,000	200 J	350 U

*Criteria- NYSDEC 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

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D - Result reported from a secondary dilution analysis.; J - Estimated value

Only Detected Results Reported.

Detection Limits shown are PQL

TABLE 2
COMPARISON OF DETECTED SOIL ANALYTICAL RESULTS
NORTH FRANKLIN ST. SITE

Location ID			GB-31	GB-32	GB-33	GB-34	GB-35
Sample ID			TCLP-1	GB-32-9-10	GB-33-6-7	GB-34-6-7	GB-35-6-7
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			8.0-9.0	9.0-10.0	6.0-7.0	6.0-7.0	6.0-7.0
Date Sampled			10/20/06	10/19/06	10/19/06	10/19/06	10/19/06
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
Benzo(a)anthracene	UG/KG	1000	380 J	370 U	5,100	1,300	350 U
Benzo(a)pyrene	UG/KG	1000	320 J	370 U	3,800	1,100	350 U
Benzo(b)fluoranthene	UG/KG	1000	440 J	370 U	5,100	1,500	350 U
Benzo(g,h,i)perylene	UG/KG	100000	110 J	370 U	660 J	240 J	350 U
Benzo(k)fluoranthene	UG/KG	800	150 J	370 U	2,400	860	350 U
bis(2-Ethylhexyl)phthalate	UG/KG	-	89 J	NA	NA	NA	NA
Carbazole	UG/KG	-	61 J	NA	NA	NA	NA
Chrysene	UG/KG	1000	380 J	370 U	4,600	1,400	350 U
Dibenz(a,h)anthracene	UG/KG	330	400 UJ	370 U	340 J	120 J	350 U
Fluoranthene	UG/KG	100000	540 J	370 U	8,300	2,100	350 U
Fluorene	UG/KG	30000	400 UJ	49 J	3,000	390 U	350 U
Indeno(1,2,3-cd)pyrene	UG/KG	500	130 J	370 U	860	310 J	350 U
Naphthalene	UG/KG	12000	87 J	1,000	1,100	60	350 U
Phenanthrene	UG/KG	100000	230 J	63 J	9,400	780	350 U
Pyrene	UG/KG	100000	520 J	370 U	8,600	1,900	350 U
Petroleum Hydrocarbon Mixtures							
Diesel Range Organics	MG/KG	-	180 J	NA	NA	NA	NA
Gasoline Range Organics	UG/KG	-	13,000 UJ	NA	NA	NA	NA

*Criteria- NYSDEC 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

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Only Detected Results Reported.

Detection Limits shown are PQL

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('LOCID' LIKE 'GB*' OR 'LOCID' = 'GB-31') AND 'MATRIX' = 'SO' AND ('SACODE' = 'FD' OR 'SACODE' = 'N')

TABLE 2
COMPARISON OF DETECTED SOIL ANALYTICAL RESULTS
NORTH FRANKLIN ST. SITE

Location ID			GB-36	GB-37	GB-38	GB-38	GB-40
Sample ID			GB-36-6-7	GB-37-6-7	DUP-4-6-7	GB-38-6-7	GB-40-6-7
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			6.0-7.0	6.0-7.0	6.0-7.0	6.0-7.0	6.0-7.0
Date Sampled			10/20/06	10/20/06	10/20/06	10/20/06	10/20/06
Parameter	**Units**	**Criteria***			Field Duplicate (1-1)		
Volatile Organic Compounds							
Acetone	UG/KG	50	NA	NA	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	UG/KG	120	NA	NA	NA	NA	NA
Benzene	UG/KG	60	15 J	20	700 UJ	690 UJ	280 J
Toluene	UG/KG	700	13 J	57	700 UJ	690 UJ	14 U
Ethylbenzene	UG/KG	1000	59	19	1,800 J	2,500 J	1,800 J
Xylene (total)	UG/KG	260	400	110	6,600 J	7,900 J	3,200 J
1,2,4-Trichlorobenzene	UG/KG	-	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	UG/KG	3600	250	30	20,000 J	18,000 J	4,500 J
1,3,5-Trimethylbenzene	UG/KG	8400	74	8	6,800 J	7,300 J	4,400 J
Methyl tert-Butyl Ether	UG/KG	930	20 U	2 J	700 UJ	690 UJ	14 UJ
Methylcyclohexane	UG/KG	-	NA	NA	NA	NA	NA
Cyclohexane	UG/KG	-	NA	NA	NA	NA	NA
Isopropylbenzene	UG/KG	-	12 J	3 J	880 J	840 J	560 J
4-Isopropyltoluene	UG/KG	-	14 J	7 U	410 J	2,100 J	14 U
Naphthalene	UG/KG	-	20 U	7 U	2,400 J	920 J	40,000 J
n-Butylbenzene	UG/KG	12000	8 J	7 U	2,100 J	2,700 J	1,300 J
n-Propylbenzene	UG/KG	3900	30	4 J	3,000 J	4,000 J	1,300 J
sec-Butylbenzene	UG/KG	11000	20 U	7 U	460 J	1,800 J	320 J
Semivolatile Organic Compounds							
2-Methylnaphthalene	UG/KG	-	NA	NA	NA	NA	NA
Acenaphthene	UG/KG	20000	380 U	460 U	380 U	380 U	580
Anthracene	UG/KG	100000	380 U	460 U	380 U	380 U	870

*Criteria- NYSDEC 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

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D - Result reported from a secondary dilution analysis., J - Estimated value

Only Detected Results Reported.

Detection Limits shown are PQL

TABLE 2
COMPARISON OF DETECTED SOIL ANALYTICAL RESULTS
NORTH FRANKLIN ST. SITE

Location ID			GB-36	GB-37	GB-38	GB-38	GB-40
Sample ID			GB-36-6-7	GB-37-6-7	DUP-4-6-7	GB-38-6-7	GB-40-6-7
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			6.0-7.0	6.0-7.0	6.0-7.0	6.0-7.0	6.0-7.0
Date Sampled			10/20/06	10/20/06	10/20/06	10/20/06	10/20/06
Parameter	**Units**	**Criteria***			Field Duplicate (1-1)		
Semivolatile Organic Compounds							
Benzo(a)anthracene	UG/KG	1000	380 U	140 J	380 U	380 U	660
Benzo(a)pyrene	UG/KG	1000	380 U	130 J	380 U	380 U	550
Benzo(b)fluoranthene	UG/KG	1000	380 U	170 J	380 U	380 U	710
Benzo(g,h,i)perylene	UG/KG	100000	380 U	75 J	380 U	380 U	300 J
Benzo(k)fluoranthene	UG/KG	800	380 U	68 J	380 U	380 U	210 J
bis(2-Ethylhexyl)phthalate	UG/KG	-	NA	NA	NA	NA	NA
Carbazole	UG/KG	-	NA	NA	NA	NA	NA
Chrysene	UG/KG	1000	380 U	150 J	380 U	380 U	650
Dibenz(a,h)anthracene	UG/KG	330	380 U	460 U	380 U	380 U	94 J
Fluoranthene	UG/KG	100000	380 U	240 J	380 U	380 U	1,800
Fluorene	UG/KG	30000	380 U	460 U	380 U	44 J	660
Indeno(1,2,3-cd)pyrene	UG/KG	500	380 U	76 J	380 U	380 U	260 J
Naphthalene	UG/KG	12000	130 J	1,200	64 J	4,800	2,800
Phenanthrene	UG/KG	100000	380 U	91 J	380 U	68 J	2,600
Pyrene	UG/KG	100000	380 U	190 J	380 U	41 J	1,400
Petroleum Hydrocarbon Mixtures							
Diesel Range Organics	MG/KG	-	NA	NA	NA	NA	NA
Gasoline Range Organics	UG/KG	-	NA	NA	NA	NA	NA

*Criteria- NYSDEC 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

U - The analyte was analyzed for, but not detected. The associated numerical value is at or below the method detection limit.

D - Result reported from a secondary dilution analysis.; J - Estimated value

Only Detected Results Reported.

Detection Limits shown are PQL

TABLE 2
COMPARISON OF DETECTED SOIL ANALYTICAL RESULTS
NORTH FRANKLIN ST. SITE

Location ID			GB-41
Sample ID			GB-41-5-6
Matrix			Soil
Depth Interval (ft)			5.0-6.0
Date Sampled			10/20/06
Parameter	**Units**	**Criteria***	
Volatile Organic Compounds			
Acetone	UG/KG	50	NA
Methyl ethyl ketone (2-Butanone)	UG/KG	120	NA
Benzene	UG/KG	60	14
Toluene	UG/KG	700	10
Ethylbenzene	UG/KG	1000	11
Xylene (total)	UG/KG	260	81 J
1,2,4-Trichlorobenzene	UG/KG	-	NA
1,2,4-Trimethylbenzene	UG/KG	3600	120
1,3,5-Trimethylbenzene	UG/KG	8400	64
Methyl tert-Butyl Ether	UG/KG	930	7 U
Methylcyclohexane	UG/KG	-	NA
Cyclohexane	UG/KG	-	NA
Isopropylbenzene	UG/KG	-	6 J
4-Isopropyltoluene	UG/KG	-	2 J
Naphthalene	UG/KG	-	7 UJ
n-Butylbenzene	UG/KG	12000	9
n-Propylbenzene	UG/KG	3900	15
sec-Butylbenzene	UG/KG	11000	3 J
Semivolatile Organic Compounds			
2-Methylnaphthalene	UG/KG	-	NA
Acenaphthene	UG/KG	20000	410 U
Anthracene	UG/KG	100000	410 U

*Criteria- NYSDEC 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

U - The analyte was analyzed for, but not detected. The associated numerical value is at or below the method detection limit.

D - Result reported from a secondary dilution analysis.; J - Estimated value

Only Detected Results Reported.

Detection Limits shown are PQL

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([LOCID] LIKE 'GB*' OR [LOCID] = 'GB-31') AND [MATRIX] = 'SO' AND ([SACODE] = 'FD' OR [SACODE] = 'N')

TABLE 2
COMPARISON OF DETECTED SOIL ANALYTICAL RESULTS
NORTH FRANKLIN ST. SITE

Location ID			GB-41
Sample ID			GB-41-5-6
Matrix			Soil
Depth Interval (ft)			5.0-6.0
Date Sampled			10/20/06
Parameter	**Units**	**Criteria***	
Semivolatile Organic Compounds			
Benzo(a)anthracene	UG/KG	1000	130 J
Benzo(a)pyrene	UG/KG	1000	120 J
Benzo(b)fluoranthene	UG/KG	1000	190 J
Benzo(g,h,i)perylene	UG/KG	100000	78 J
Benzo(k)fluoranthene	UG/KG	800	51 J
bis(2-Ethylhexyl)phthalate	UG/KG	-	NA
Carbazole	UG/KG	-	NA
Chrysene	UG/KG	1000	180 J
Dibenz(a,h)anthracene	UG/KG	330	410 U
Fluoranthene	UG/KG	100000	170 J
Fluorene	UG/KG	30000	410 U
Indeno(1,2,3-cd)pyrene	UG/KG	500	76 J
Naphthalene	UG/KG	12000	180 J
Phenanthrene	UG/KG	100000	110 J
Pyrene	UG/KG	100000	160 J
Petroleum Hydrocarbon Mixtures			
Diesel Range Organics	MG/KG	-	NA
Gasoline Range Organics	UG/KG	-	NA

*Criteria- NYSDEC 6 NYCRR Part 375, Table 375-6 8(a): Unrestricted Use Soil Cleanup Objectives.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

U - The analyte was analyzed for, but not detected. The associated numerical value is at or below the method detection limit.

D - Result reported from a secondary dilution analysis.; J - Estimated value

Only Detected Results Reported

Detection Limits shown are PQL

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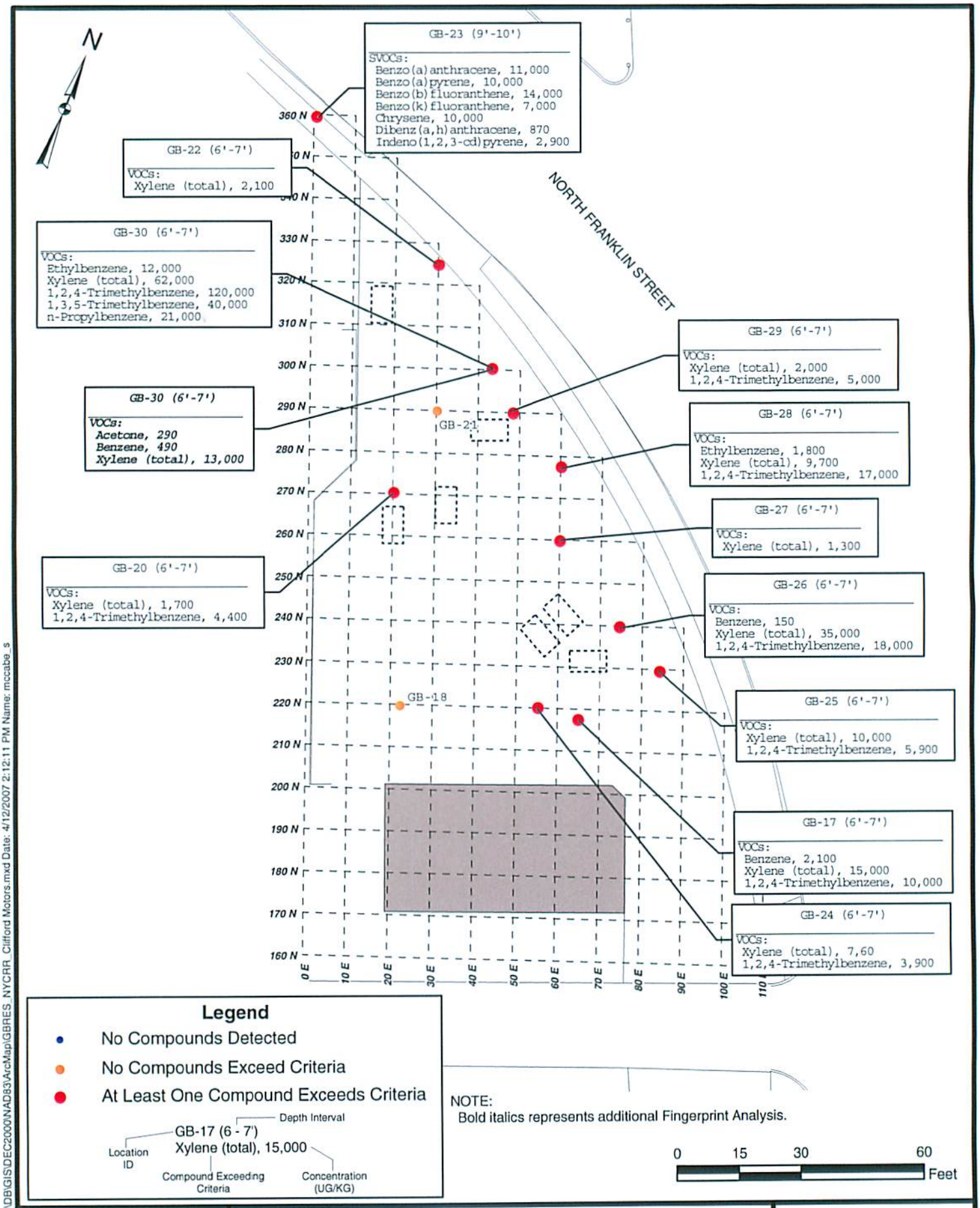
((LOCID LIKE 'GB*' OR (LOCID = GB-31) AND (MATRIX = SO AND ((SACODE) = FD OR (SACODE) = N))

FIGURES



URS

CLIFFORD MOTORS
SOIL BORING ANALYTICAL RESULTS

FIGURE 1

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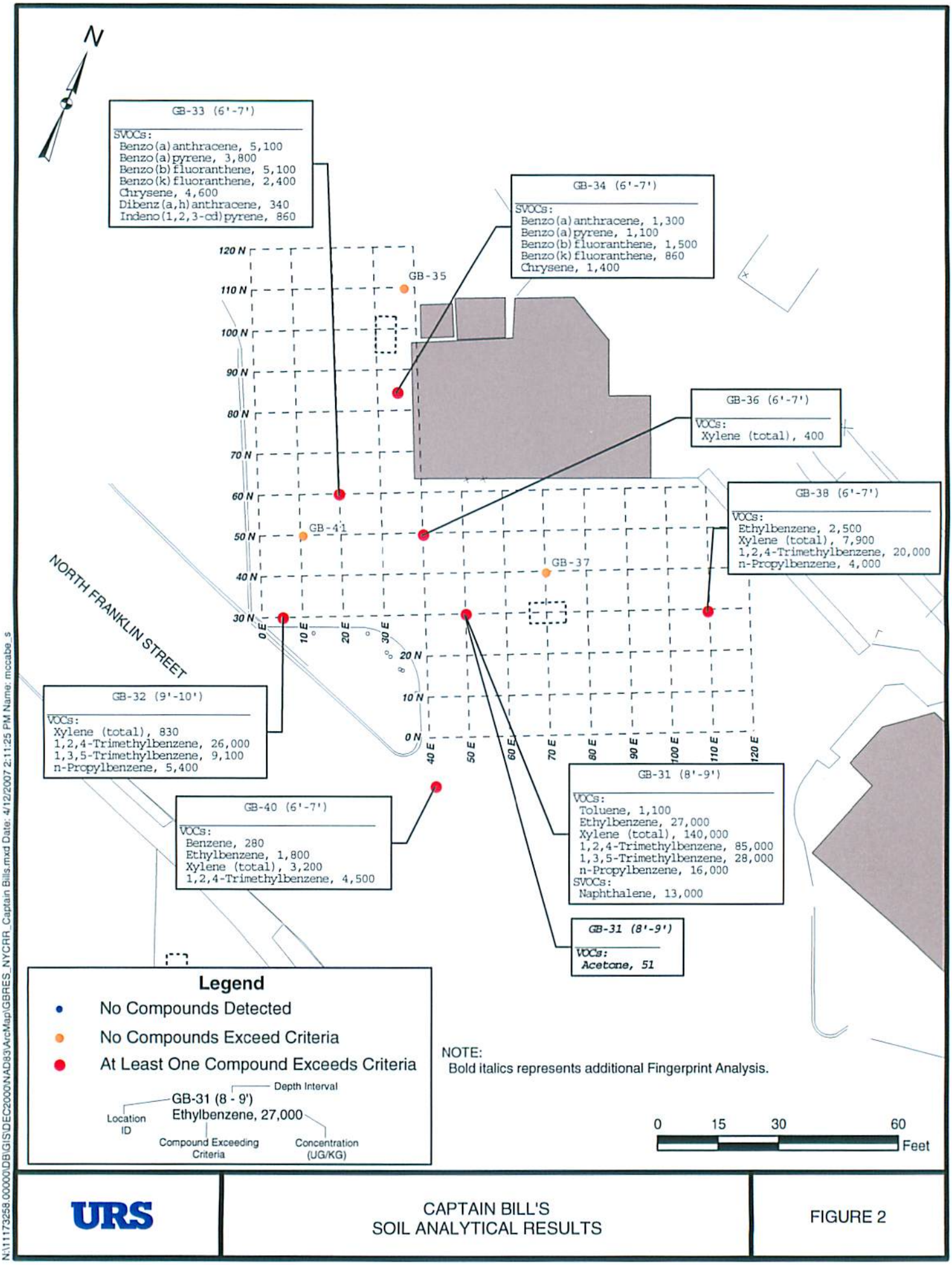

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URS

CAPTAIN BILL'S
SOIL ANALYTICAL RESULTS

FIGURE 2

ATTACHMENT 1

DATA USABILITY SUMMARY REPORT

NORTH FRANKLIN STREET SITE
SITE NO. 84-90-002
WORK ASSIGNMENT D003825-093

Analyses Performed by:

MITKEM CORPORATION

Prepared by:

URS CORPORATION
77 GOODELL STREET
BUFFALO, NY 14203

FEBRUARY 2007

TABLE OF CONTENTS

TABLES
(Following Text)

ATTACHMENTS

I. INTRODUCTION

This Data Usability Summary Report (DUSR) has been prepared following the guidelines provided in New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation *Guidance for the Development of Data Usability Summary Reports*, dated June 1999. Analytical data for the soil samples collected on October 20, 2006 are discussed in this DUSR.

II. ANALYTICAL METHODOLOGIES AND DATA VALIDATION

The soil data being evaluated are from the October 20, 2006 collection of two soil samples. The analytical laboratory that performed the analyses is Mitkem Corporation, located in Warwick, RI. The soil samples were analyzed for volatile organic compounds (VOCs) following USEPA Method 8260B, semivolatile organic compounds (SVOCs) following USEPA Method 8270C, and gasoline range organics (GRO)/diesel range organics (DRO) following USEPA Method 8015.

A limited data validation was performed following the guidelines in the following USEPA Region II documents: *Validating Volatile Organic Compounds by SW-846 Method 8260B*, HW-24, Revision 1, June 1999; and *Validating Semivolatile Organic Compounds by SW-846 Method 8270C*, HW-22, Revision 2, June 2001. The validation included: a review of holding times and completeness of all required deliverables; a review of quality control (QC) results (blanks, instrument tunings, calibration standards, duplicate analyses, and laboratory control sample recoveries) to determine if the data are within the protocol-required limits and specifications; a determination that all samples were analyzed using established and agreed upon analytical protocols; an evaluation of the raw data to confirm the results provided in the data summary sheets; and a review of laboratory data qualifiers.

Qualifications applied to the data include 'U' (non-detect), 'J' (estimated concentration), and 'UJ' (estimated quantitation limit). Copies of the validated laboratory results (i.e., Form 1's) are presented in Attachment A. Documentation supporting the qualification of data is presented in Attachment B. Only problems affecting data usability are discussed in this report.

Table 1 summarizes the qualifications applied to the sample results. The validated analytical results are presented on Table 2.

III. DATA DELIVERABLE COMPLETENESS

Full deliverable data packages [(i.e., NYSDEC Analytical Services Protocol (ASP) Category B or equivalent)] were provided by the laboratory, and included all reporting forms and raw data necessary to fully evaluate and verify the reported analytical results.

IV. HOLDING TIMES/SAMPLE RECEIPT

The samples were originally collected on October 20, 2006 and held in a freezer at the Buffalo, NY office of URS Corporation. At a later date, NYSDEC requested that these samples be submitted for analysis. The samples were sent to Mitkem Corporation on November 28, 2006 packed on ice and were received at the laboratory intact and under proper chain-of-custody on November 29, 2006. Since the holding time had expired for all parameters all results have been qualified 'J' or 'UJ'. Additional quality control problems have been listed in the following sections.

V. NONCONFORMANCES

- Laboratory Blanks

  The laboratory method blank associated with the samples was detected for the VOC methylene chloride at a concentration below the quantitation limit (QL). The result for methylene chloride in soil sample TCLP-1 was less than ten times the concentration in the method blank, therefore the result in this sample was qualified 'U' at the QL.

  The laboratory method blank was detected for GRO at a concentration above the QL. The result for GRO in sample TCLP-1 was less than five times the concentration in

the method blank, therefore the GRO result in this sample was qualified 'U' at the reported concentration.

Documentation supporting the qualification of data (e.g. Method Blank Form 1 and Form 4) is presented in Attachment B.

- Initial and Continuing Calibrations

The percent relative standard deviation (%RSD) between the initial calibration (ICAL) relative response factors (RRFs) for VOC acetone exceeded the QC limit of 30%. The detected results for acetone in both samples have been qualified 'J'. Those compounds qualified 'U' due to blank contamination are still considered as detected for the purpose of calibration qualification.

The percent difference (%D) between the ICAL average RRF and the RRF from the continuing calibration (CCAL) standard exceeded the QC limit of 20% for VOCs dichlorodifluromethane and methyl tert-butyl ether. The results for these compounds in both samples have been qualified 'UJ'.

The %D between the ICAL average RRF and the RRF from the CCAL standard exceeded the QC limit of 20% for the SVOCs bis(2-chloroethyl)ether, 2,2-oxybis (1-chloropropane), carbazole, and indeno(1,2,3-cd)pyrene. The results for these compounds in both samples have been qualified 'UJ'.

Documentation supporting the qualification of data (i.e., Forms 5, 6A, and 7A) is presented in Attachment B.

- Laboratory Control Samples

The laboratory control sample (LCS) percent recovery for GRO was above the upper QC limit. The detected result for GRO in sample TCLP-2 was qualified 'J'.

The LCS percent recovery for the SVOC carbazole was above the upper QC limit. The detected result for carbazole in sample TCLP-1 was qualified 'J'.

Documentation supporting the qualification of data (i.e., Form 3) is presented in Attachment B.

- Internal Standards

The recoveries of internal standards chrysene-d12 and perylene-d12 in the SVOC analysis of soil sample TCLP-2 were below the QC limits. The results for the compounds associated with the IS outliers have been qualified 'J' or 'UJ' in this sample.

Documentation supporting the qualification of data (i.e., Form 8) is presented in Attachment B.

VI. SAMPLE RESULTS AND REPORTING

All QLs were reported in accordance with method requirements and were adjusted for sample size, percent moisture, and dilution factors. Results below the QL were qualified 'J' by the laboratory.

VII. SUMMARY

All sample analyses were found to be compliant with the method criteria, except where previously noted. All results are considered to be conditionally usable due to the holding time exceedances and other nonconformances identified in this report. The potential loss of VOCs and GRO constituents due to the extended storage period prior to analysis should be considered when evaluating the results of these analyses.

Prepared By: **Ann Marie Kropovitch, Chemist** **Date:** 2/26/07

Reviewed By: **James J. Lehnen, Senior Chemist** **Date:** 2/27/07

DEFINITIONS OF USEPA REGION II DATA QUALIFIERS

U – The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

J – The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ – The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R – The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

D – The sample results are reported from a separate secondary dilution analysis.

NJ – Presumptive evidence of a compound at an estimated value.

TABLE 1

SUMMARY OF DATA QUALIFICATIONS
NORTH FRANKLIN STREET SITE
SITE NO. 84-90-002
WORK ASSIGNMENT D003825-093

SAMPLE ID	FRACTION	ANALYTICAL DEVIATION	QUALIFICATION
Soil sample TCLP-1 and TCLP-2	All fractions	Analysis occurred outside of holding time (HT).	Qualify detected results 'J' and non-detected results 'UJ'.
Soil sample TCLP-1	VOCs	Sample result for methylene chloride < 10X the result of the method blank.	Qualify result 'U' at the QL.
Soil sample TCLP-1 and TCLP-2	VOCs	ICAL %RSD > 30% for acetone.	Qualify detected results 'J'. (Note: those compounds qualified 'U' for blank contamination are still considered as 'detects' for the purpose of calibration qualification)
Soil sample TCLP-1 and TCLP-2	VOCs	CCAL %D > 20% for dichlorodifluoromethane and methyl tert-butyl ether.	Qualify non-detected results 'UJ'.
Soil Sample TCLP-1	GRO	Sample result for GRO <5x result of the method blank.	Qualify detected result 'U' at the reported concentration.
Soil sample TCLP-2	GRO	LCS %R > QC limit.	Qualify detected result 'J'.
Soil sample TCLP-1	SVOCs	LCS %R > QC limit for carbazole.	Qualify detected result 'J'.
Soil sample TCLP-1 and TCLP-2	SVOCs	CCAL %D > 20%D limit for bis(2-chloroethyl)ether, 2,2-oxybis (1-chloropropane), carbazole, and indeno(1,2,3-cd)pyrene	Qualify non-detected results 'UJ'.
Soil sample TCLP-2	SVOCs	Internal standard %R < QC limit for chrysene-d12 and perylene-d12.	Qualify associated compounds 'J' or 'UJ'.

TABLE 2
VALIDATED SOIL ANALYTICAL RESULTS
NORTH FRANKLIN ST. SITE #84-90-002
WA D003825-093

Location ID			GB-30	GB-31
Sample ID			TCLP-2	TCLP-1
Matrix			Soil	Soil
Depth Interval (ft)			6.0-7.0	8.0-9.0
Date Sampled			10/20/06	10/20/06
Parameter	**Units**	*		
Volatile Organic Compounds				
Chloromethane	UG/KG	-	67 UJ	6 UJ
Bromomethane	UG/KG	-	67 UJ	6 UJ
Vinyl Chloride	UG/KG	20	67 UJ	6 UJ
Chloroethane	UG/KG	-	67 UJ	6 UJ
Methylene Chloride	UG/KG	50	67 UJ	6 UJ
Acetone	UG/KG	50	290 J	51 J
Carbon Disulfide	UG/KG	-	67 UJ	6 UJ
1,1-Dichloroethene	UG/KG	330	67 UJ	6 UJ
1,1-Dichloroethane	UG/KG	270	67 UJ	6 UJ
Methyl ethyl ketone (2-Butanone)	UG/KG	120	67 UJ	13 J
Chloroform	UG/KG	370	67 UJ	6 UJ
1,2-Dichloroethane	UG/KG	20	67 UJ	6 UJ
1,1,1-Trichloroethane	UG/KG	680	67 UJ	6 UJ
Carbon Tetrachloride	UG/KG	760	67 UJ	6 UJ
Bromodichloromethane	UG/KG	-	67 UJ	6 UJ
1,2-Dichloropropane	UG/KG	-	67 UJ	6 UJ
cis-1,3-Dichloropropene	UG/KG	-	67 UJ	6 UJ
Trichloroethene	UG/KG	470	67 UJ	6 UJ
Benzene	UG/KG	60	490 J	2 J
Dibromochloromethane	UG/KG	-	67 UJ	6 UJ
trans-1,3-Dichloropropene	UG/KG	-	67 UJ	6 UJ
1,1,2-Trichloroethane	UG/KG	-	67 UJ	6 UJ

*- NYSDEC 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives.

Flags assigned during chemistry validation are shown.

Concentration Exceeds

Made by AMK 2/9/07
Check by JJL 2/14/07

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL ANALYTICAL RESULTS
NORTH FRANKLIN ST. SITE #84-90-002
WA D003825-093

Location ID			GB-30	GB-31
Sample ID			TCLP-2	TCLP-1
Matrix			Soil	Soil
Depth Interval (ft)			6.0-7.0	8.0-9.0
Date Sampled			10/20/06	10/20/06
Parameter	Units	*		
Volatile Organic Compounds				
Bromoform	UG/KG	-	67 UJ	6 UJ
4-Methyl-2-Pentanone	UG/KG	-	67 UJ	6 UJ
2-Hexanone	UG/KG	-	67 UJ	6 UJ
Tetrachloroethene	UG/KG	1300	67 UJ	6 UJ
1,1,2,2-Tetrachloroethane	UG/KG	-	67 UJ	6 UJ
Toluene	UG/KG	700	300 J	2 J
Chlorobenzene	UG/KG	-	67 UJ	6 UJ
Ethylbenzene	UG/KG	1000	710 J	6 UJ
Styrene	UG/KG	-	67 UJ	6 UJ
Xylene (total)	UG/KG	260	13,000 DJ	3 J
Methyl Acetate	UG/KG	-	67 UJ	6 UJ
cis-1,2-Dichloroethene	UG/KG	-	67 UJ	6 UJ
trans-1,2-Dichloroethene	UG/KG	-	67 UJ	6 UJ
1,2-Dichlorobenzene	UG/KG	1100	67 UJ	6 UJ
1,3-Dichlorobenzene	UG/KG	2400	67 UJ	6 UJ
1,4-Dichlorobenzene	UG/KG	1800	67 UJ	6 UJ
1,2,4-Trichlorobenzene	UG/KG	-	67 UJ	1 J
1,2-Dibromo-3-chloropropane	UG/KG	-	67 UJ	6 UJ
Methyl tert-Butyl Ether	UG/KG	930	67 UJ	6 UJ
Methylcyclohexane	UG/KG	-	1,100 J	1 J
Cyclohexane	UG/KG	-	1,600 J	6 UJ
Ethylene Dibromide	UG/KG	-	67 UJ	6 UJ

*- NYSDEC 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives.

Flags assigned during chemistry validation are shown.

Concentration Exceeds

Made by AMK 2/9/07
Check by JJL 2/14/07

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL ANALYTICAL RESULTS
NORTH FRANKLIN ST. SITE #84-90-002
WA D003825-093

Location ID			GB-30	GB-31
Sample ID			TCLP-2	TCLP-1
Matrix			Soil	Soil
Depth Interval (ft)			6.0-7.0	8.0-9.0
Date Sampled			10/20/06	10/20/06
Parameter	**Units**	*		
Volatile Organic Compounds				
Isopropylbenzene	UG/KG	-	200 J	6 UJ
Trichlorofluoromethane	UG/KG	-	67 UJ	6 UJ
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/KG	-	67 UJ	6 UJ
Dichlorodifluoromethane	UG/KG	-	67 UJ	6 UJ
Semivolatile Organic Compounds				
1,2,4-Trichlorobenzene	UG/KG	-	880 UJ	400 UJ
1,2-Dichlorobenzene	UG/KG	-	880 UJ	400 UJ
1,3-Dichlorobenzene	UG/KG	-	880 UJ	400 UJ
1,4-Dichlorobenzene	UG/KG	-	880 UJ	400 UJ
2,2-oxybis(1-Chloropropane)	UG/KG	-	880 UJ	400 UJ
2,4,5-Trichlorophenol	UG/KG	-	1,800 UJ	800 UJ
2,4,6-Trichlorophenol	UG/KG	-	880 UJ	400 UJ
2,4-Dichlorophenol	UG/KG	-	880 UJ	400 UJ
2,4-Dimethylphenol	UG/KG	-	880 UJ	400 UJ
2,4-Dinitrophenol	UG/KG	-	1,800 UJ	800 UJ
2,4-Dinitrotoluene	UG/KG	-	880 UJ	400 UJ
2,6-Dinitrotoluene	UG/KG	-	880 UJ	400 UJ
2-Chloronaphthalene	UG/KG	-	880 UJ	400 UJ
2-Chlorophenol	UG/KG	-	880 UJ	400 UJ
2-Methylnaphthalene	UG/KG	-	5,300 J	70 J
2-Methylphenol (o-cresol)	UG/KG	330	880 UJ	400 UJ
2-Nitroaniline	UG/KG	-	1,800 UJ	800 UJ

*- NYSDEC 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives

Flags assigned during chemistry validation are shown.

Concentration Exceeds

Made by AMK 2/9/07
Check by JJL 2/14/07

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL ANALYTICAL RESULTS
NORTH FRANKLIN ST. SITE #84-90-002
WA D003825-093

Location ID			GB-30	GB-31
Sample ID			TCLP-2	TCLP-1
Matrix			Soil	Soil
Depth Interval (ft)			6.0-7.0	8.0-9.0
Date Sampled			10/20/06	10/20/06
Parameter	Units	*		
Semivolatile Organic Compounds				
2-Nitrophenol	UG/KG	-	880 UJ	400 UJ
3,3-Dichlorobenzidine	UG/KG	-	880 UJ	400 UJ
3-Nitroaniline	UG/KG	-	1,800 UJ	800 UJ
4,6-Dinitro-2-methylphenol	UG/KG	-	1,800 UJ	800 UJ
4-Bromophenyl-phenylether	UG/KG	-	880 UJ	400 UJ
4-Chloro-3-methylphenol	UG/KG	-	880 UJ	400 UJ
4-Chloroaniline	UG/KG	-	880 UJ	400 UJ
4-Chlorophenyl-phenylether	UG/KG	-	880 UJ	400 UJ
4-Methylphenol (p-cresol)	UG/KG	330	880 UJ	400 UJ
4-Nitroaniline	UG/KG	-	1,800 UJ	800 UJ
4-Nitrophenol	UG/KG	-	1,800 UJ	800 UJ
Acenaphthene	UG/KG	20000	880 UJ	400 UJ
Acenaphthylene	UG/KG	100000	880 UJ	400 UJ
Anthracene	UG/KG	100000	97 J	70 J
Benzo(a)anthracene	UG/KG	1000	220 J	380 J
Benzo(a)pyrene	UG/KG	1000	180 J	320 J
Benzo(b)fluoranthene	UG/KG	1000	880 UJ	440 J
Benzo(g,h,i)perylene	UG/KG	100000	110 J	110 J
Benzo(k)fluoranthene	UG/KG	800	880 UJ	150 J
bis(2-Chloroethoxy)methane	UG/KG	-	880 UJ	400 UJ
bis(2-Chloroethyl)ether	UG/KG	-	880 UJ	400 UJ
bis(2-Ethylhexyl)phthalate	UG/KG	-	1,100 J	89 J

*- NYSDEC 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives.

Flags assigned during chemistry validation are shown.

Concentration Exceeds

Made by AMK 2/9/07
Check by JJL 2/14/07

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL ANALYTICAL RESULTS
NORTH FRANKLIN ST. SITE #84-90-002
WA D003825-093

Location ID			GB-30	GB-31
Sample ID			TCLP-2	TCLP-1
Matrix			Soil	Soil
Depth Interval (ft)			6.0-7.0	8.0-9.0
Date Sampled			10/20/06	10/20/06
Parameter	**Units**	*		
Semivolatile Organic Compounds				
Butylbenzylphthalate	UG/KG	-	880 UJ	400 UJ
Carbazole	UG/KG	-	880 UJ	61 J
Chrysene	UG/KG	1000	140 J	380 J
Dibenz(a,h)anthracene	UG/KG	330	880 UJ	400 UJ
Dibenzofuran	UG/KG	-	880 UJ	400 UJ
Diethylphthalate	UG/KG	-	880 UJ	400 UJ
Dimethylphthalate	UG/KG	-	880 UJ	400 UJ
Di-n-butylphthalate	UG/KG	-	880 UJ	400 UJ
Di-n-octylphthalate	UG/KG	-	880 UJ	400 UJ
Fluoranthene	UG/KG	100000	290 J	540 J
Fluorene	UG/KG	30000	200 J	400 UJ
Hexachlorobenzene	UG/KG	330	880 UJ	400 UJ
Hexachlorobutadiene	UG/KG	-	880 UJ	400 UJ
Hexachlorocyclopentadiene	UG/KG	-	880 UJ	400 UJ
Hexachloroethane	UG/KG	-	880 UJ	400 UJ
Indeno(1,2,3-cd)pyrene	UG/KG	500	880 UJ	130 J
Isophorone	UG/KG	-	880 UJ	400 UJ
Naphthalene	UG/KG	12000	4,000 J	87 J
Nitrobenzene	UG/KG	-	880 UJ	400 UJ
N-Nitroso-di-n-propylamine	UG/KG	-	880 UJ	400 UJ
N-Nitrosodiphenylamine	UG/KG	-	880 UJ	400 UJ
Pentachlorophenol	UG/KG	800	1,800 UJ	800 UJ

*- NYSDEC 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives.

Flags assigned during chemistry validation are shown.

(oval) Concentration Exceeds

Made by AMK 2/9/07
Check by JJL 2/14/07

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL ANALYTICAL RESULTS
NORTH FRANKLIN ST. SITE #84-90-002
WA D003825-093

Location ID			GB-30	GB-31
Sample ID			TCLP-2	TCLP-1
Matrix			Soil	Soil
Depth Interval (ft)			6.0-7.0	8.0-9.0
Date Sampled			10/20/06	10/20/06
Parameter	**Units**	*		
Semivolatile Organic Compounds				
Phenanthrene	UG/KG	100000	600 J	230 J
Phenol	UG/KG	330	880 UJ	400 UJ
Pyrene	UG/KG	100000	840 J	520 J
Petroleum Hydrocarbon Mixtures				
Diesel Range Organics	MG/KG	-	4,200 J	180 J
Gasoline Range Organics	UG/KG	-	71,000 J	13,000 UJ

*- NYSDEC 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives.

Flags assigned during chemistry validation are shown.

Concentration Exceeds

Made by AMK 2/9/07
Check by JJL 2/14/07

Detection Limits shown are PQL

ATTACHMENT A

VALIDATED FORM 1's

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCLP-1

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME1842

Matrix: (soil/water) SOIL Lab Sample ID: E1842-01A

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V1I1135

Level: (low/med) LOW Date Received: 11/29/06

% Moisture: not dec. 17 Date Analyzed: 12/01/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	6	U
74-87-3	Chloromethane	6	U
75-01-4	Vinyl Chloride	6	U
74-83-9	Bromomethane	6	U
75-00-3	Chloroethane	6	U
75-69-4	Trichlorofluoromethane	6	U
75-35-4	1,1-Dichloroethene	6	U
67-64-1	Acetone	51	
75-15-0	Carbon Disulfide	6	U
75-09-2	Methylene Chloride	6	U
156-60-5	trans-1,2-Dichloroethene	6	U
1634-04-4	Methyl tert-butyl ether	6	U
75-34-3	1,1-Dichloroethane	6	U
78-93-3	2-Butanone	13	
156-59-2	cis-1,2-Dichloroethene	6	U
67-66-3	Chloroform	6	U
71-55-6	1,1,1-Trichloroethane	6	U
56-23-5	Carbon Tetrachloride	6	U
107-06-2	1,2-Dichloroethane	6	U
71-43-2	Benzene	2	J
79-01-6	Trichloroethene	6	U
78-87-5	1,2-Dichloropropane	6	U
75-27-4	Bromodichloromethane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
108-10-1	4-Methyl-2-pentanone	6	U
108-88-3	Toluene	2	J
10061-02-6	trans-1,3-Dichloropropene	6	U
79-00-5	1,1,2-Trichloroethane	6	U
127-18-4	Tetrachloroethene	6	U
591-78-6	2-Hexanone	6	U
124-48-1	Dibromochloromethane	6	U
106-93-4	1,2-Dibromoethane	6	U
108-90-7	Chlorobenzene	6	U
100-41-4	Ethylbenzene	6	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCLP-1

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME1842

Matrix: (soil/water) SOIL Lab Sample ID: E1842-01A

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V1I1135

Level: (low/med) LOW Date Received: 11/29/06

% Moisture: not dec. 17 Date Analyzed: 12/01/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	Xylene (Total)	3	J
100-42-5	Styrene	6	U
75-25-2	Bromoform	6	U
98-82-8	Isopropylbenzene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
541-73-1	1,3-Dichlorobenzene	6	U
106-46-7	1,4-Dichlorobenzene	6	U
95-50-1	1,2-Dichlorobenzene	6	U
96-12-8	1,2-Dibromo-3-chloropropane	6	U
120-82-1	1,2,4-Trichlorobenzene	1	J
76-13-1	1,1,2-Trichlo-1,2,2-trifluor	6	U
79-20-9	Methyl Acetate	6	U
110-81-7	Cyclohexane	6	U
108-87-2	Methylcyclohexane	1	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCLP-2

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME1842

Matrix: (soil/water) SOIL Lab Sample ID: E1842-02A

Sample wt/vol: 0.5 (g/mL) G Lab File ID: V1I1139

Level: (low/med) LOW Date Received: 11/29/06

% Moisture: not dec. 25 Date Analyzed: 12/01/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(mL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	67	U
74-87-3	Chloromethane	67	U
75-01-4	Vinyl Chloride	67	U
74-83-9	Bromomethane	67	U
75-00-3	Chloroethane	67	U
75-69-4	Trichlorofluoromethane	67	U
75-35-4	1,1-Dichloroethene	67	U
67-64-1	Acetone	290	
75-15-0	Carbon Disulfide	67	U
75-09-2	Methylene Chloride	67	U
156-60-5	trans-1,2-Dichloroethene	67	U
1634-04-4	Methyl tert-butyl ether	67	U
75-34-3	1,1-Dichloroethane	67	U
78-93-3	2-Butanone	67	U
156-59-2	cis-1,2-Dichloroethene	67	U
67-66-3	Chloroform	67	U
71-55-6	1,1,1-Trichloroethane	67	U
56-23-5	Carbon Tetrachloride	67	U
107-06-2	1,2-Dichloroethane	67	U
71-43-2	Benzene	490	
79-01-6	Trichloroethene	67	U
78-87-5	1,2-Dichloropropane	67	U
75-27-4	Bromodichloromethane	67	U
10061-01-5	cis-1,3-Dichloropropene	67	U
108-10-1	4-Methyl-2-pentanone	67	U
108-88-3	Toluene	300	
10061-02-6	trans-1,3-Dichloropropene	67	U
79-00-5	1,1,2-Trichloroethane	67	U
127-18-4	Tetrachloroethene	67	U
591-78-6	2-Hexanone	67	U
124-48-1	Dibromochloromethane	67	U
106-93-4	1,2-Dibromoethane	67	U
108-90-7	Chlorobenzene	67	U
100-41-4	Ethylbenzene	710	

0048R

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCLP-2

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME1842

Matrix: (soil/water) SOIL Lab Sample ID: E1842-02A

Sample wt/vol: 0.5 (g/mL) G Lab File ID: V1I1139

Level: (low/med) LOW Date Received: 11/29/06

% Moisture: not dec. 25 Date Analyzed: 12/01/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	Xylene (Total)	13000 ~~9600~~	~~E~~ DJ
100-42-5	Styrene	67	U
75-25-2	Bromoform	67	U
98-82-8	Isopropylbenzene	200	
79-34-5	1,1,2,2-Tetrachloroethane	67	U
541-73-1	1,3-Dichlorobenzene	67	U
106-46-7	1,4-Dichlorobenzene	67	U
95-50-1	1,2-Dichlorobenzene	67	U
96-12-8	1,2-Dibromo-3-chloropropane	67	U
120-82-1	1,2,4-Trichlorobenzene	67	U
76-13-1	1,1,2-Trichlo-1,2,2-trifluor	67	U
79-20-9	Methyl Acetate	67	U
110-81-7	Cyclohexane	1600	
108-87-2	Methylcyclohexane	1100	

CMK 2/9/07

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCLP-2DL

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME1842

Matrix: (soil/water) SOIL Lab Sample ID: E1842-02ADL

Sample wt/vol: 4.6 (g/mL) G Lab File ID: V2J1129

Level: (low/med) MED Date Received: 11/29/06

% Moisture: not dec. 25 Date Analyzed: 12/06/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5(mL) Soil Aliquot Volume: 100.0(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	450	U
74-87-3	Chloromethane	450	U
75-01-4	Vinyl Chloride	450	U
74-83-9	Bromomethane	450	U
75-00-3	Chloroethane	450	U
75-69-4	Trichlorofluoromethane	450	U
75-35-4	1,1-Dichloroethene	450	U
67-64-1	Acetone	450	U
75-15-0	Carbon Disulfide	450	U
75-09-2	Methylene Chloride	450	U
156-60-5	trans-1,2-Dichloroethene	450	U
1634-04-4	Methyl tert-butyl ether	450	U
75-34-3	1,1-Dichloroethane	450	U
78-93-3	2-Butanone	450	U
156-59-2	cis-1,2-Dichloroethene	450	U
67-66-3	Chloroform	450	U
71-55-6	1,1,1-Trichloroethane	450	U
56-23-5	Carbon Tetrachloride	450	U
107-06-2	1,2-Dichloroethane	450	U
71-43-2	Benzene	160	DJ
79-01-6	Trichloroethene	450	U
78-87-5	1,2-Dichloropropane	450	U
75-27-4	Bromodichloromethane	450	U
10061-01-5	cis-1,3-Dichloropropene	450	U
108-10-1	4-Methyl-2-pentanone	450	U
108-88-3	Toluene	180	DJ
10061-02-6	trans-1,3-Dichloropropene	450	U
79-00-5	1,1,2-Trichloroethane	450	U
127-18-4	Tetrachloroethene	450	U
591-78-6	2-Hexanone	450	U
124-48-1	Dibromochloromethane	450	U
106-93-4	1,2-Dibromoethane	450	U
108-90-7	Chlorobenzene	450	U
100-41-4	Ethylbenzene	810	D

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCLP-2DL

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME1842

Matrix: (soil/water) SOIL Lab Sample ID: E1842-02ADL

Sample wt/vol: 4.6 (g/mL) G Lab File ID: V2J1129

Level: (low/med) MED Date Received: 11/29/06

% Moisture: not dec. 25 Date Analyzed: 12/06/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5(mL) Soil Aliquot Volume: 100.0(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1330-20-7	Xylene (Total)	13000	D
100-42-5	Styrene	450	U
75-25-2	Bromoform	450	U
98-82-8	Isopropylbenzene	430	DJ
79-34-5	1,1,2,2-Tetrachloroethane	450	U
541-73-1	1,3-Dichlorobenzene	450	U
106-46-7	1,4-Dichlorobenzene	450	U
95-50-1	1,2-Dichlorobenzene	450	U
96-12-8	1,2-Dibromo-3-chloropropane	450	U
120-82-1	1,2,4-Trichlorobenzene	450	U
76-13-1	1,1,2-Trichloro-1,2,2-Triflu	450	U
79-20-9	Methyl Acetate	450	U
110-81-7	Cyclohexane	2000	D
108-87-2	Methylcyclohexane	3100	D

Mitkem Corporation

Date: *22-Dec-06*

Client: URS Corporation
Client Sample ID: TCLP-2
Lab ID: E1842-02

Project: North Franklin Street
Collection Date: 10/20/06 12:40

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
GASOLINE RANGE ORGANIC (GRO) BY GC-FID			GRO_S				
Gasoline Range Organics	71000	BH S	3300	µg/Kg	1	11/30/2006 18:44	27321
Surr: Bromofluorobenzene	92.3	H	76-123	%REC	1	11/30/2006 18:44	27321

12/7/07

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Corporation

Date: *22-Dec-06*

Client: URS Corporation
Client Sample ID: TCLP-1
Lab ID: E1842-01

Project: North Franklin Street
Collection Date: 10/20/06 12:25

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
GASOLINE RANGE ORGANIC (GRO) BY GC-FID			GRO_S				
Gasoline Range Organics	13000	~~B~~ J	3000	µg/Kg	1	11/30/2006 18:07	27321
Surr: Bromofluorobenzene	102	~~H~~	76-123	%REC	1	11/30/2006 18:07	27321

3/7/07

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quanititation limits
- B - Analyte detected in the associated Method Blank
- DF - Dilution Factor
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- RL - Reporting Limit

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCLP-1

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME1842

Matrix: (soil/water) SOIL Lab Sample ID: E1842-01A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: S1F1848

Level: (low/med) LOW Date Received: 11/29/06

% Moisture: 17 decanted: (Y/N) N Date Extracted:12/06/06

Concentrated Extract Volume: 1000(uL) Date Analyzed: 12/29/06

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)Ether	400	U
95-57-8	2-Chlorophenol	400	U
541-73-1	1,3-Dichlorobenzene	400	U
106-46-7	1,4-Dichlorobenzene	400	U
95-50-1	1,2-Dichlorobenzene	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-di-n-propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
120-83-2	2,4-Dichlorophenol	400	U
120-82-1	1,2,4-Trichlorobenzene	400	U
91-20-3	Naphthalene	87	J
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
111-91-1	bis(2-Chloroethoxy)methane	400	U
59-50-7	4-Chloro-3-Methylphenol	400	U
91-57-6	2-Methylnaphthalene	70	J
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	800	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	800	U
131-11-3	Dimethylphthalate	400	U
208-96-8	Acenaphthylene	400	U
606-20-2	2,6-Dinitrotoluene	400	U
99-09-2	3-Nitroaniline	800	U
83-32-9	Acenaphthene	400	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCLP-1

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME1842

Matrix: (soil/water) SOIL Lab Sample ID: E1842-01A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: S1F1848

Level: (low/med) LOW Date Received: 11/29/06

% Moisture: 17 decanted: (Y/N) N Date Extracted: 12/06/06

Concentrated Extract Volume: 1000(uL) Date Analyzed: 12/29/06

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	800	U
100-02-7	4-Nitrophenol	800	U
132-64-9	Dibenzofuran	400	U
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
86-73-7	Fluorene	400	U
100-01-6	4-Nitroaniline	800	U
534-52-1	4,6-Dinitro-2-methylphenol	800	U
86-30-6	N-Nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	800	U
85-01-8	Phenanthrene	230	J
120-12-7	Anthracene	70	J
86-74-8	Carbazole	61	J
84-74-2	Di-n-butylphthalate	400	U
206-44-0	Fluoranthene	540	
129-00-0	Pyrene	520	
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)anthracene	380	J
218-01-9	Chrysene	380	J
117-81-7	bis(2-Ethylhexyl)phthalate	89	J
117-84-0	Di-n-octylphthalate	400	U
205-99-2	Benzo(b)fluoranthene	440	
207-08-9	Benzo(k)fluoranthene	150	J
50-32-8	Benzo(a)pyrene	320	J
193-39-5	Indeno(1,2,3-cd)pyrene	130	J
53-70-3	Dibenzo(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	110	J

(1) - Cannot be separated from Diphenylamine

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCLP-2

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME1842

Matrix: (soil/water) SOIL Lab Sample ID: E1842-02A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: S1F1849

Level: (low/med) LOW Date Received: 11/29/06

% Moisture: 25 decanted: (Y/N) N Date Extracted:12/06/06

Concentrated Extract Volume: 2000(uL) Date Analyzed: 12/29/06

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	880	U
111-44-4	bis(2-Chloroethyl)Ether	880	U
95-57-8	2-Chlorophenol	880	U
541-73-1	1,3-Dichlorobenzene	880	U
106-46-7	1,4-Dichlorobenzene	880	U
95-50-1	1,2-Dichlorobenzene	880	U
95-48-7	2-Methylphenol	880	U
108-60-1	2,2'-oxybis(1-Chloropropane)	880	U
106-44-5	4-Methylphenol	880	U
621-64-7	N-Nitroso-di-n-propylamine	880	U
67-72-1	Hexachloroethane	880	U
98-95-3	Nitrobenzene	880	U
78-59-1	Isophorone	880	U
88-75-5	2-Nitrophenol	880	U
105-67-9	2,4-Dimethylphenol	880	U
120-83-2	2,4-Dichlorophenol	880	U
120-82-1	1,2,4-Trichlorobenzene	880	U
91-20-3	Naphthalene	4000	
106-47-8	4-Chloroaniline	880	U
87-68-3	Hexachlorobutadiene	880	U
111-91-1	bis(2-Chloroethoxy)methane	880	U
59-50-7	4-Chloro-3-Methylphenol	880	U
91-57-6	2-Methylnaphthalene	5300	
77-47-4	Hexachlorocyclopentadiene	880	U
88-06-2	2,4,6-Trichlorophenol	880	U
95-95-4	2,4,5-Trichlorophenol	1800	U
91-58-7	2-Chloronaphthalene	880	U
88-74-4	2-Nitroaniline	1800	U
131-11-3	Dimethylphthalate	880	U
208-96-8	Acenaphthylene	880	U
606-20-2	2,6-Dinitrotoluene	880	U
99-09-2	3-Nitroaniline	1800	U
83-32-9	Acenaphthene	880	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TCLP-2

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME1842

Matrix: (soil/water) SOIL Lab Sample ID: E1842-02A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: S1F1849

Level: (low/med) LOW Date Received: 11/29/06

% Moisture: 25 decanted: (Y/N) N Date Extracted:12/06/06

Concentrated Extract Volume: 2000(uL) Date Analyzed: 12/29/06

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1800	U
100-02-7	4-Nitrophenol	1800	U
132-64-9	Dibenzofuran	880	U
121-14-2	2,4-Dinitrotoluene	880	U
84-66-2	Diethylphthalate	880	U
7005-72-3	4-Chlorophenyl-phenylether	880	U
86-73-7	Fluorene	200	J
100-01-6	4-Nitroaniline	1800	U
534-52-1	4,6-Dinitro-2-methylphenol	1800	U
86-30-6	N-Nitrosodiphenylamine (1)	880	U
101-55-3	4-Bromophenyl-phenylether	880	U
118-74-1	Hexachlorobenzene	880	U
87-86-5	Pentachlorophenol	1800	U
85-01-8	Phenanthrene	600	J
120-12-7	Anthracene	97	J
86-74-8	Carbazole	880	U
84-74-2	Di-n-butylphthalate	880	U
206-44-0	Fluoranthene	290	J
129-00-0	Pyrene	840	J
85-68-7	Butylbenzylphthalate	880	U
91-94-1	3,3'-Dichlorobenzidine	880	U
56-55-3	Benzo(a)anthracene	220	J
218-01-9	Chrysene	140	J
117-81-7	bis(2-Ethylhexyl)phthalate	1100	
117-84-0	Di-n-octylphthalate	880	U
205-99-2	Benzo(b)fluoranthene	880	U
207-08-9	Benzo(k)fluoranthene	880	U
50-32-8	Benzo(a)pyrene	180	J
193-39-5	Indeno(1,2,3-cd)pyrene	880	U
53-70-3	Dibenzo(a,h)anthracene	880	U
191-24-2	Benzo(g,h,i)perylene	110	J

(1) - Cannot be separated from Diphenylamine

Mitkem Corporation

Date: *20-Dec-06*

Client: URS Corporation
Client Sample ID: TCLP-1
Lab ID: E1842-01

Project: North Franklin Street
Collection Date: 10/20/06 12:25

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
DIESEL RANGE ORGANICS (DRO) BY GC-FID				DRO_S			
Diesel Range Organics	180		11	mg/Kg	1	12/13/2006 20:42	27387
Surr: 5a-Androstane	96.2		50-150	%REC	1	12/13/2006 20:42	27387

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

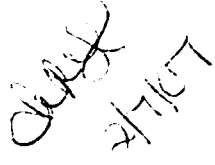
Mitkem Corporation

Date: *20-Dec-06*

Client: URS Corporation
Client Sample ID: TCLP-2
Lab ID: E1842-02

Project: North Franklin Street
Collection Date: 10/20/06 12:40

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
DIESEL RANGE ORGANICS (DRO) BY GC-FID				**DRO_S**			
Diesel Range Organics	4200	J	120	mg/Kg	10	12/13/2006 21:12	27387
Surr: 5a-Androstane	54.3		50-150	%REC	10	12/13/2006 21:12	27387



Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

ATTACHMENT B

SUPPORT DOCUMENTATION

CHAIN OF CUSTODY RECORD

URS

PROJECT NO.: 11174720.00002
SITE NAME: North Franklin St.
SAMPLERS (PRINT/SIGNATURE): Brian Weeks, Scott McCabe
DELIVERY SERVICE: FED EX AIRBILL NO.:

LAB: Mitkem
COOLER 1 of 1
PAGE 1 of 1

TESTS: 8260B, 8270B, TPH-Hvy, TPH-Diesel
BOTTLE TYPE AND PRESERVATIVE: 1-4oz jar <7°C

LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB	SAMPLE ID	MATRIX	TOTAL NO. # OF CONTAINERS	1-4oz jar <7°C								REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO. # (ERPIMS)
	10/20/06	1225	G	TCLP-1	SO	1	1												
	10/20/06	1240	G	TCLP-2	SO	1	1												

MATRIX CODES: AA - AMBIENT AIR; SE - SEDIMENT; SH - HAZARDOUS SOLID WASTE; SL - SLUDGE; WP - DRINKING WATER; WW - WASTE WATER; WG - GROUND WATER; SO - SOIL; DC - DRILL CUTTINGS; WL - LEACHATE; GS - SOIL GAS; WC - DRILLING WATER; WO - OCEAN WATER; WS - SURFACE WATER; WQ - WATER FIELD QC; LH - HAZARDOUS LIQUID WASTE; LF - FLOATING/FREE PRODUCT ON GW TABLE

SAMPLE TYPE CODES: TB# - TRIP BLANK; SD# - MATRIX SPIKE DUPLICATE; RB# - RINSE BLANK; FR# - FIELD REPLICATE; N# - NORMAL ENVIRONMENTAL SAMPLE; MS# - MATRIX SPIKE (# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
Scott McCabe	11/28/06	1500	Ken [illegible]	11.29.06	8:30
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME

SPECIAL INSTRUCTIONS: Samples frozen (<7°C) on 10/24/06 have been kept frozen till shipped to lab. Contact Anne Marie Kropovitch w/ any questions 1-800-850-9230

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF 1/CofCR/GCM

SDG Narrative

Mitkem Corporation submits the enclosed data package in response to URS Corporation's North Franlin Street project. Under this deliverable, analysis results are presented for two soil samples that were received on November 29, 2006. Analyses were performed per specifications in the project's contract and the chain of custody forms, following discussions with the client. Sample Identifications were shortened where necessary due to limitations in data reporting software. Following the narrative is a table of sample identifications for cross-referencing full client sample ID, shortened client sample ID and laboratory sample ID, along with the Mitkem Work Order.

Please note that the sample preparation holding time has expired when the samples were received at the laboratory.

The analyses were performed according to NYSDEC ASP protocols (2000 update) and reported per NYSDEC ASP requirement for Category B deliverable.

The following observation and/or deviations are observed for the following analyses:

1. Overall Observation:

Where needed, manual integrations were performed to improve data quality. The corrections were reviewed and associated hardcopies generated and reported as required. Manual integrations are coded to provide the data reviewer justification for such action. The codes are labeled on the ion chromatogram signal (GC/MS signal) and chromatogram for GC based analysis as follows:

- M1 peak tailing or fronting.
- M2 peak co-elution.
- M3 rising or falling baseline.
- M4 retention time shift.
- M5 miscellaneous – under this category, the justification is explained.

The enclosed report includes the originals of all data with the exception of logbook pages and certain initial calibrations. Photocopies of logbook pages are included, with the originals maintained on file at the laboratory. The originals of initial calibrations that are shared among several cases are maintained on file at the laboratory, with photocopies included in the data package.

2. Volatile Analysis:

Surrogate recovery: recoveries were within the QC limits.

Lab control sample/lab control sample duplicate: spike recoveries and replicate RPDs were within the QC limits.

Sample analysis: Due to high concentration of hydrocarbons, sample TCLP-2 was initially analyzed using 0.5 gram sample aliquot. The sample was re-analyzed at dilution using the medium level approach. No other unusual observation was made for the analysis.

3. Semivolatile Analysis:

Surrogate recovery: recoveries were within the QC limits with the exception that 2-fluorophenol was high biased in both the method blank and the associated LCS/LCSD.

Lab control sample/lab control sample duplicate: spike recoveries and replicate RPDS were within the QC limits.

Sample analysis: No unusual observation was made for the analysis.

4. Gasoline Range Organic Analysis:

Surrogate recovery: recoveries were within the QC limits.

Lab control sample/lab control sample duplicate: spike recovery was marginally high (by 1%) in the LCSD. Replicate RPDs were within the QC limits.

Sample analysis: No unusual observation was made for the analysis.

5. Diesel Range Organic Analysis:

Surrogate recovery: recoveries were within the QC limits.

Lab control sample/lab control sample duplicate: spike recoveries and replicate RPDs were within the QC limits.

Sample analysis: Significant portions of the TPH in these two samples were outside of the diesel range and not included in the DRO results. No other unusual observation was made for the analysis.

All pages in this report have been numbered consecutively, starting with the title page and ending with a page saying only "Last Page of Data Report".

I certify that this data package is in compliance, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Kin Chiu for ARN

Agnes Ng
CLP Project Manager
1/3/07

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK1I

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME1842

Lab File ID: V1I1132 Lab Sample ID: MB-27314

Date Analyzed: 12/01/06 Time Analyzed: 1038

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: V1

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	V1ILCS	LCS-27314	V1I1133	1120
02	V1ILCSD	LCSD-27314	V1I1134	1147
03	TCLP-1	E1842-01A	V1I1135	1226
04	TCLP-2	E1842-02A	V1I1139	1416
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
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29				
30				

COMMENTS:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK1I

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME1842

Matrix: (soil/water) SOIL Lab Sample ID: MB-27314

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V1I1132

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 12/01/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(mL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	2	J
156-60-5	trans-1,2-Dichloroethene	5	U
1634-04-4	Methyl tert-butyl ether	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME1842

Instrument ID: V1 Calibration Date(s): 10/19/06 10/19/06

Heated Purge: (Y/N) Y Calibration Time(s): 1629 1913

GC Column: DB-624 ID: 0.25 (mm)

LAB FILE ID: RRF5 =V1H9903 RRF20 =V1H9904
RRF50 =V1H9907 RRF100=V1H9905 RRF200=V1H9906

	COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
	Dichlorodifluoromethane	0.211	0.129	0.114	0.123	0.131	0.142	27.9
*	Chloromethane	0.311	0.276	0.290	0.286	0.295	0.292	4.4*
	Vinyl Chloride	0.255	0.249	0.261	0.263	0.276	0.261	3.8
	Bromomethane	0.202	0.188	0.180	0.156	0.124	0.170	18.1
	Chloroethane	0.176	0.180	0.171	0.164	0.151	0.168	6.7
	Trichlorofluoromethane	0.279	0.279	0.274	0.274	0.264	0.274	2.3
	1,1-Dichloroethene	0.227	0.212	0.212	0.212	0.215	0.216	3.0
	Acetone	0.280	0.131	0.143	0.158	0.139	0.170	36.5
	Carbon Disulfide	0.872	0.884	0.891	0.898	0.907	0.890	1.5
	Methylene Chloride	0.358	0.312	0.282	0.320	0.321	0.319	8.5
	trans-1,2-Dichloroethene	0.305	0.294	0.294	0.303	0.302	0.300	1.7
	Methyl tert-butyl ether	0.921	0.866	0.954	0.949	0.957	0.929	4.1
*	1,1-Dichloroethane	0.616	0.604	0.595	0.610	0.598	0.605	1.4*
	2-Butanone	0.263	0.199	0.222	0.223	0.208	0.223	11.0
	cis-1,2-Dichloroethene	0.333	0.322	0.317	0.325	0.324	0.324	1.8
	Chloroform	0.570	0.510	0.519	0.524	0.517	0.528	4.6
	1,1,1-Trichloroethane	0.415	0.412	0.401	0.412	0.413	0.411	1.3
	Carbon Tetrachloride	0.361	0.374	0.369	0.372	0.372	0.370	1.4
	1,2-Dichloroethane	0.408	0.388	0.408	0.400	0.383	0.397	2.9
	Benzene	1.172	1.136	1.143	1.156	1.123	1.146	1.6
	Trichloroethene	0.333	0.313	0.320	0.324	0.323	0.323	2.2
	1,2-Dichloropropane	0.326	0.330	0.330	0.332	0.322	0.328	1.2
	Bromodichloromethane	0.365	0.363	0.377	0.389	0.383	0.375	3.0
	cis-1,3-Dichloropropene	0.494	0.484	0.514	0.515	0.506	0.503	2.6
	4-Methyl-2-pentanone	0.399	0.332	0.389	0.383	0.374	0.375	6.9
	Toluene	1.145	1.111	1.102	1.110	1.072	1.108	2.4
	trans-1,3-Dichloropropene	0.448	0.424	0.459	0.465	0.445	0.448	3.5
	1,1,2-Trichloroethane	0.253	0.231	0.246	0.248	0.243	0.244	3.5
	Tetrachloroethene	0.307	0.312	0.313	0.329	0.331	0.318	3.4
	2-Hexanone	0.510	0.340	0.395	0.400	0.378	0.405	15.7
	Dibromochloromethane	0.427	0.387	0.436	0.457	0.447	0.431	6.2
	1,2-Dibromoethane	0.382	0.347	0.382	0.392	0.377	0.376	4.6
*	Chlorobenzene	1.027	1.014	1.025	1.046	1.030	1.028	1.1*
	Ethylbenzene	0.520	0.511	0.503	0.521	0.507	0.512	1.5
	Xylene (Total)	0.645	0.638	0.637	0.647	0.624	0.638	1.4
	Styrene	1.134	1.063	1.100	1.102	1.052	1.090	3.0
*	Bromoform	0.272	0.256	0.301	0.305	0.315	0.290	8.6*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME1842

Lab File ID: V1I1130 BFB Injection Date: 12/01/06

Instrument ID: V1 BFB Injection Time: 0944

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.8
75	30.0 - 60.0% of mass 95	42.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	75.7
175	5.0 - 9.0% of mass 174	5.9 (7.8)1
176	95.0 - 101.0% of mass 174	74.3 (98.2)1
177	5.0 - 9.0% of mass 176	5.1 (6.8)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD0501I	VSTD0501I	V1I1131	12/01/06	1000
02	VBLK1I	MB-27314	V1I1132	12/01/06	1038
03	V1ILCS	LCS-27314	V1I1133	12/01/06	1120
04	V1ILCSD	LCSD-27314	V1I1134	12/01/06	1147
05	TCLP-1	E1842-01A	V1I1135	12/01/06	1226
06	TCLP-2	E1842-02A	V1I1139	12/01/06	1416
07					
08					
09					
10					
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14					
15					
16					
17					
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19					
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22					

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME1842

Instrument ID: V1 Calibration Date: 12/01/06 Time: 1000

Lab File ID: V1I1131 Init. Calib. Date(s): 10/19/06 10/19/06

Heated Purge: (Y/N) Y Init. Calib. Times: 1629 1913

GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D	
Dichlorodifluoromethane	0.142	0.106	0.01	25.4	20.0	<-
Chloromethane	0.292	0.275	0.1	5.8	20.0	
Vinyl Chloride	0.261	0.247	0.01	5.4	20.0	
Bromomethane	0.170	0.188	0.01	10.6	20.0	
Chloroethane	0.168	0.153	0.01	8.9	20.0	
Trichlorofluoromethane	0.274	0.219	0.01	20.1	20.0	<-
1,1-Dichloroethene	0.216	0.190	0.01	12.0	20.0	
Acetone	0.170	0.169	0.01	0.6	20.0	
Carbon Disulfide	0.890	0.873	0.01	1.9	20.0	
Methylene Chloride	0.319	0.286	0.01	10.3	20.0	
trans-1,2-Dichloroethene	0.300	0.278	0.01	7.3	20.0	
Methyl tert-butyl ether	0.929	0.682	0.01	26.6	20.0	<-
1,1-Dichloroethane	0.605	0.550	0.1	9.1	20.0	
2-Butanone	0.223	0.241	0.01	8.1	20.0	
cis-1,2-Dichloroethene	0.324	0.291	0.01	10.2	20.0	
Chloroform	0.528	0.471	0.01	10.8	20.0	
1,1,1-Trichloroethane	0.411	0.366	0.01	10.9	20.0	
Carbon Tetrachloride	0.370	0.328	0.01	11.4	20.0	
1,2-Dichloroethane	0.397	0.351	0.01	11.6	20.0	
Benzene	1.146	1.028	0.01	10.3	20.0	
Trichloroethene	0.323	0.270	0.01	16.4	20.0	
1,2-Dichloropropane	0.328	0.299	0.01	8.8	20.0	
Bromodichloromethane	0.375	0.332	0.01	11.5	20.0	
cis-1,3-Dichloropropene	0.503	0.415	0.01	17.5	20.0	
4-Methyl-2-pentanone	0.375	0.347	0.01	7.5	20.0	
Toluene	1.108	0.970	0.01	12.4	20.0	
trans-1,3-Dichloropropene	0.448	0.363	0.01	19.0	20.0	
1,1,2-Trichloroethane	0.244	0.208	0.01	14.8	20.0	
Tetrachloroethene	0.318	0.291	0.01	8.5	20.0	
2-Hexanone	0.405	0.389	0.01	4.0	20.0	
Dibromochloromethane	0.431	0.384	0.01	10.9	20.0	
1,2-Dibromoethane	0.376	0.337	0.01	10.4	20.0	
Chlorobenzene	1.028	0.950	0.3	7.6	20.0	
Ethylbenzene	0.512	0.474	0.01	7.4	20.0	
Xylene (Total)	0.638	0.591	0.01	7.4	20.0	
Styrene	1.090	0.969	0.01	11.1	20.0	
Bromoform	0.290	0.245	0.1	15.5	20.0	

CLIENT: URS Corporation
Work Order: E1842
Project: North Franklin Street

ANALYTICAL QC SUMMARY REPORT

TestCode: GRO_S

Sample ID **MB-27321**	SampType: **MBLK**	TestCode: **GRO_S**			Prep Date: **11/30/2006**			Run ID: **V4_061130A**				
Client ID: **MB-27321**	Batch ID: **27321**	Units: **µg/Kg**			Analysis Date: **11/30/2006**			SeqNo: **574230**				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Gasoline Range Organics	4781	2500										
Surr: Bromofluorobenzene	1044	250	1000	0	104	76	123	0	0			

Sample ID **LCS-27321**	SampType: **LCS**	TestCode: **GRO_S**			Prep Date: **11/30/2006**			Run ID: **V4_061130A**				
Client ID: **LCS-27321**	Batch ID: **27321**	Units: **µg/Kg**			Analysis Date: **11/30/2006**			SeqNo: **574231**				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Gasoline Range Organics	29360	2500	25000	0	117	80	116	0	0		BS	
Surr: Bromofluorobenzene	1047	250	1000	0	105	76	123	0	0			

Sample ID **LCSD-27321**	SampType: **LCSD**	TestCode: **GRO_S**			Prep Date: **11/30/2006**			Run ID: **V4_061130A**				
Client ID: **LCSD-27321**	Batch ID: **27321**	Units: **µg/Kg**			Analysis Date: **11/30/2006**			SeqNo: **574232**				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Gasoline Range Organics	28640	2500	25000	0	115	80	116	29360	2.48	40	B	
Surr: Bromofluorobenzene	1018	250	1000	0	102	76	123	0	0	0		

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

FORM 3
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME1842

Matrix Spike - Sample No.: S1LLCS Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Dimethylphthalate	1700		1500	88	62-117
Acenaphthylene	1700		1400	82	58-112
2,6-Dinitrotoluene	1700		1400	82	60-118
3-Nitroaniline	1700		1800	106	30-117
Acenaphthene	1700		1400	82	53-116
2,4-Dinitrophenol	1700		1400	82	15-136
4-Nitrophenol	1700		1700	100	50-129
Dibenzofuran	1700		1400	82	61-112
2,4-Dinitrotoluene	1700		1400	82	59-123
Diethylphthalate	1700		1500	88	61-120
4-Chlorophenyl-phenylet	1700		1500	88	59-116
Fluorene	1700		1400	82	63-115
4-Nitroaniline	1700		2100	124	35-124
4,6-Dinitro-2-methylphe	1700		1400	82	33-130
N-Nitrosodiphenylamine	1700		1500	88	50-150
4-Bromophenyl-phenyleth	1700		1500	88	66-110
Hexachlorobenzene	1700		1500	88	67-112
Pentachlorophenol	1700		1500	88	19-130
Phenanthrene	1700		1300	76	70-115
Anthracene	1700		1400	82	63-117
Carbazole	1700		2500	147*	62-122
Di-n-butylphthalate	1700		1400	82	70-120
Fluoranthene	1700		1400	82	64-121
Pyrene	1700		1400	82	66-120
Butylbenzylphthalate	1700		1400	82	63-123
3,3'-Dichlorobenzidine	1700		2100	124	8-124
Benzo(a)anthracene	1700		1400	82	50-129
Chrysene	1700		1300	76	41-150

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME1842

Matrix Spike - Sample No.: S1LLCS Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Dimethylphthalate	1700	1400	82	7	40	62-117
Acenaphthylene	1700	1300	76	8	40	58-112
2,6-Dinitrotoluene	1700	1300	76	8	40	60-118
3-Nitroaniline	1700	1800	106	0	40	30-117
Acenaphthene	1700	1300	76	8	40	53-116
2,4-Dinitrophenol	1700	1200	70	16	40	15-136
4-Nitrophenol	1700	1600	94	6	40	50-129
Dibenzofuran	1700	1300	76	8	40	61-112
2,4-Dinitrotoluene	1700	1400	82	0	40	59-123
Diethylphthalate	1700	1400	82	7	40	61-120
4-Chlorophenyl-phenylet	1700	1500	88	0	40	59-116
Fluorene	1700	1500	88	7	40	63-115
4-Nitroaniline	1700	2100	124	0	40	35-124
4,6-Dinitro-2-methylphe	1700	1300	76	8	40	33-130
N-Nitrosodiphenylamine	1700	1400	82	7	40	50-150
4-Bromophenyl-phenyleth	1700	1600	94	6	40	66-110
Hexachlorobenzene	1700	1500	88	0	40	67-112
Pentachlorophenol	1700	1600	94	6	40	19-130
Phenanthrene	1700	1400	82	8	40	70-115
Anthracene	1700	1500	88	7	40	63-117
Carbazole	1700	2500	147*	0	40	62-122
Di-n-butylphthalate	1700	1300	76	8	40	70-120
Fluoranthene	1700	1400	82	0	40	64-121
Pyrene	1700	1400	82	0	40	66-120
Butylbenzylphthalate	1700	1400	82	0	40	63-123
3,3'-Dichlorobenzidine	1700	1500	88	34	40	8-124
Benzo(a)anthracene	1700	1400	82	0	40	50-129
Chrysene	1700	1400	82	8	40	41-150

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME1842

Lab File ID (Standard): S1F1831 Date Analyzed: 12/28/06

Instrument ID: S1 Time Analyzed: 1427

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	2063740	14.93	1829223	19.22	1644177	21.34
	UPPER LIMIT	4127480	15.43	3658446	19.72	3288354	21.84
	LOWER LIMIT	1031870	14.43	914612	18.72	822089	20.84
	EPA SAMPLE NO.						
01	SBLK1L	1560747	14.92	1402564	19.18	1351120	21.32
02	S1LLCS	1558732	14.92	1396156	19.19	1247367	21.32
03	S1LLCSD	1508476	14.92	1376446	19.20	1266047	21.33
04	TCLP-1	1463292	14.91	1102501	19.19	857652	21.33
05	TCLP-2	1669129	14.93	712990*	19.26	385577*	21.38
06							
07							
08							
09							
10							
11							
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13							
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16							
17							
18							
19							
20							
21							
22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME1842

Lab File ID: S1F1830 DFTPP Injection Date: 12/28/06

Instrument ID: S1 DFTPP Injection Time: 1405

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	41.3
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	53.1
70	Less than 2.0% of mass 69	0.3 (0.6)1
127	40.0 - 60.0% of mass 198	49.0
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 30.0% of mass 198	19.8
365	Greater than 1.0% of mass 198	2.15
441	Present, but less than mass 443	0.4
442	40.0 - 99.9% of mass 198	66.8
443	17.0 - 23.0% of mass 442	13.2 (19.7)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD0501E	SSTD0501E	S1F1831	12/28/06	1427
02	SBLK1L	MB-27388	S1F1845	12/28/06	2222
03	S1LLCS	LCS-27388	S1F1846	12/28/06	2255
04	S1LLCSD	LCSD-27388	S1F1847	12/28/06	2328
05	TCLP-1	E1842-01A	S1F1848	12/29/06	0002
06	TCLP-2	E1842-02A	S1F1849	12/29/06	0035
07					
08					
09					
10					
11					
12					
13					
14					
15					
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17					
18					
19					
20					
21					
22					

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME1842

Instrument ID: S1 Calibration Date: 12/28/06 Time: 1427

Lab File ID: S1F1831 Init. Calib. Date(s): 12/22/06 12/23/06

Init. Calib. Times: 2358 0453

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D	
Phenol	1.493	1.317	0.050	-11.8	20.0	
bis(2-Chloroethyl)Ether	1.127	0.882	0.050	-21.7	20.0	<-
2-Chlorophenol	1.164	1.078	0.050	-7.4	20.0	
1,3-Dichlorobenzene	1.232	1.182	0.050	-4.0	20.0	
1,4-Dichlorobenzene	1.287	1.201	0.050	-6.7	20.0	
1,2-Dichlorobenzene	1.212	1.102	0.050	-9.1	20.0	
2-Methylphenol	1.051	0.944	0.050	-10.2	20.0	
2,2'-oxybis(1-Chloropropane)	2.020	1.381	0.050	-31.6	20.0	<-
4-Methylphenol	1.063	0.997	0.050	-6.2	20.0	
N-Nitroso-di-n-propylamine	0.594	0.521	0.050	-12.3	20.0	
Hexachloroethane	0.505	0.464	0.050	-8.1	20.0	
Nitrobenzene	0.284	0.244	0.050	-14.1	20.0	
Isophorone	0.534	0.469	0.050	-12.2	20.0	
2-Nitrophenol	0.187	0.190	0.050	1.6	20.0	
2,4-Dimethylphenol	0.263	0.274	0.050	4.2	20.0	
2,4-Dichlorophenol	0.251	0.265	0.050	5.6	20.0	
1,2,4-Trichlorobenzene	0.239	0.248	0.050	3.8	20.0	
Naphthalene	0.816	0.788	0.050	-3.4	20.0	
4-Chloroaniline	0.308	0.322	0.050	4.5	20.0	
Hexachlorobutadiene	0.110	0.126	0.050	14.5	20.0	
bis(2-Chloroethoxy)methane	0.357	0.312	0.050	-12.6	20.0	
4-Chloro-3-Methylphenol	0.236	0.241	0.050	2.1	20.0	
2-Methylnaphthalene	0.528	0.516	0.050	-2.3	20.0	
Hexachlorocyclopentadiene	0.184	0.185	0.050	0.5	20.0	
2,4,6-Trichlorophenol	0.276	0.283	0.050	2.5	20.0	
2,4,5-Trichlorophenol	0.308	0.303	0.050	-1.6	20.0	
2-Chloronaphthalene	0.886	0.833	0.050	-6.0	20.0	
2-Nitroaniline	0.264	0.220	0.050	-16.7	20.0	
Dimethylphthalate	1.109	1.032	0.050	-6.9	20.0	
Acenaphthylene	1.527	1.376	0.050	-9.9	20.0	
2,6-Dinitrotoluene	0.291	0.258	0.050	-11.3	20.0	
3-Nitroaniline	0.191	0.199	0.050	4.2	20.0	
Acenaphthene	0.923	0.873	0.050	-5.4	20.0	
2,4-Dinitrophenol	0.165	0.157	0.050	-4.8	20.0	
4-Nitrophenol	0.108	0.116	0.050	7.4	20.0	
Dibenzofuran	1.356	1.247	0.050	-8.0	20.0	
2,4-Dinitrotoluene	0.375	0.337	0.050	-10.1	20.0	

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME1842

Instrument ID: S1 Calibration Date: 12/28/06 Time: 1427

Lab File ID: S1F1831 Init. Calib. Date(s): 12/22/06 12/23/06

Init. Calib. Times: 2358 0453

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D	
Diethylphthalate	1.126	1.074	0.050	-4.6	20.0	
4-Chlorophenyl-phenylether	0.427	0.424	0.050	-0.7	20.0	
Fluorene	1.035	0.952	0.050	-8.0	20.0	
4-Nitroaniline	0.171	0.174	0.050	1.8	20.0	
4,6-Dinitro-2-methylphenol	0.138	0.135	0.050	-2.2	20.0	
N-Nitrosodiphenylamine(1)	0.564	0.545	0.050	-3.4	20.0	
4-Bromophenyl-phenylether	0.167	0.165	0.050	-1.2	20.0	
Hexachlorobenzene	0.181	0.183	0.050	1.1	20.0	
Pentachlorophenol	0.107	0.119	0.050	11.2	20.0	
Phenanthrene	0.948	0.855	0.050	-9.8	20.0	
Anthracene	0.929	0.896	0.050	-3.6	20.0	
Carbazole	0.497	0.378	0.050	-23.9	20.0	<-
Di-n-butylphthalate	1.389	1.262	0.050	-9.1	20.0	
Fluoranthene	0.917	0.871	0.050	-5.0	20.0	
Pyrene	1.086	0.974	0.050	-10.3	20.0	
Butylbenzylphthalate	0.666	0.610	0.050	-8.4	20.0	
3,3'-Dichlorobenzidine	0.185	0.217	0.050	17.3	20.0	
Benzo(a)anthracene	0.987	0.920	0.050	-6.8	20.0	
Chrysene	0.902	0.811	0.050	-10.1	20.0	
bis(2-Ethylhexyl)phthalate	0.938	0.846	0.050	-9.8	20.0	
Di-n-octylphthalate	1.794	1.655	0.050	-7.7	20.0	
Benzo(b)fluoranthene	1.171	0.996	0.050	-14.9	20.0	
Benzo(k)fluoranthene	1.097	0.988	0.050	-9.9	20.0	
Benzo(a)pyrene	0.989	0.872	0.050	-11.8	20.0	
Indeno(1,2,3-cd)pyrene	0.961	0.736	0.050	-23.4	20.0	<-
Dibenzo(a,h)anthracene	0.811	0.709	0.050	-12.6	20.0	
Benzo(g,h,i)perylene	0.799	0.642	0.050	-19.6	20.0	
Nitrobenzene-d5	0.312	0.283	0.050	-9.3	20.0	
2-Fluorobiphenyl	1.086	1.137	0.050	4.7	20.0	
Terphenyl-d14	0.724	0.696	0.050	-3.9	20.0	
Phenol-d5	1.316	1.267	0.050	-3.7	20.0	
2-Fluorophenol	0.792	1.036	0.050	30.8	20.0	<-
2,4,6-Tribromophenol	0.096	0.102		6.2		

(1) Cannot be separated from Diphenylamine
All other compounds must meet a minimum RRF of 0.010.