1317 South 13th Avenue Kelso, Washington 98626 (360) 577-7222 (360) 636-1068 fax

Columbia Analytical Services INC.
An Employee - Owned Company

March 27, 2009 Analytical Report for Service Request No: K0901953

Scot Menzies
Menzies Engineeering Group, Inc.
419 Knudson Cove Rd.
Ketchikan, AK 99901

RE: First Bank Site Cleanup-Craig

Dear Scot:

Enclosed are the results of the samples submitted to our laboratory on March 06, 2009. For your reference, these analyses have been assigned our service request number K0901953.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.caslab.com. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 3376. You may also contact me via Email at GSalata@caslab.com.

Respectfully submitted,

Columbia Analytical Services, Inc.

Gregory Salata, Ph.D.
Project Chemist

GS/lb

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.

Metals Data Qualifiers

#	The control limit criteria is not applicable. See case narrative.
B	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
E	The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.
*	The duplicate analysis not within control limits. See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a chromatographic interference.
X	See case narrative.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

Columbia Analytical Services, Inc.
Kelso, WA
State Certifications, Accreditations, and Licenses

Program	Number
Alaska DEC UST	UST-040
Arizona DHS	AZ0339
Arkansas - DEQ	88-0637
California DHS	2286
Colorado DPHE	-
Florida DOH	E87412
Hawaii DOH	-
Idaho DHW	-
Indiana DOH	C-WA-01
Louisiana DEQ	3016
Louisiana DHH	LA050010
Maine DHS	WA0035
Michigan DEQ	9949
Minnesota DOH	053-999-368
Montana DPHHS	CERT0047
Nevada DEP	WA35
New Jersey DEP	WA005
New Mexico ED	-
North Carolina DWQ	605
Oklahoma DEQ	9801
Oregon - DHS	WA200001
South Carolina DHEC	61002
Utah DOH	COLU
Washington DOE	C1203
Wisconsin DNR	998386840
Wyoming (EPA Region 8)	-

Case Narrative

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	Menzies Engineering Group, Inc.	**Service Request No.:**	K0901953
Project:	First Bank Site Cleanup-Craig	**Date Received:**	03/06/09
Sample Matrix:	Soil		

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier II data deliverables. When appropriate to the method, method blank results have been reported with each analytical test. Surrogate recoveries have been reported for all applicable organic analyses. Additional quality control analyses reported herein include: Laboratory Duplicate (DUP), Matrix/Duplicate Matrix Spike (MS/DMS), and Laboratory/Duplicate Laboratory Control Sample (LCS/DLCS).

Sample Receipt

Ten soil samples were received for analysis at Columbia Analytical Services on 03/06/09. The samples were received in good condition and consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4°C upon receipt at the laboratory.

Gasoline Range Organics by Method AK101

No anomalies associated with the analysis of these samples were observed.

Diesel Range Organics by Method AK102

No anomalies associated with the analysis of these samples were observed.

Residual Range Organics by Method AK103

No anomalies associated with the analysis of these samples were observed.

Volatile Organic Compounds by EPA Method 8260B

Elevated Method Reporting Limits:
Samples Stockpile 1-A and Stockpile 2-A required dilutions due to the presence of elevated levels of non-target analytes. The reporting limits are adjusted to reflect the dilutions.

No other anomalies associated with the analysis of these samples were observed.

Polynuclear Aromatic Hydrocarbons by EPA Method 8270C

Elevated Method Reporting Limits:
The reporting limit is elevated for Acenaphthylene in numerous samples. The chromatogram indicated the presence of non-target background components. The matrix interference prevented adequate resolution of the target compound at the reporting limit. The results are flagged to indicate the matrix interference.

The reporting limit is elevated for Acenaphthene in sample Stockpile 2-A. The chromatogram indicated the presence of non-target background components. The matrix interference prevented adequate resolution of the target compound at the reporting limit. The result is flagged to indicate the matrix interference.

Approved by _____ **Date** 3/27/09

Sample Notes and Discussion
Insufficient sample volume was received to perform a Matrix Spike/Matrix Spike Duplicate (MS/MSD). A Laboratory Control Sample/Duplicate Laboratory Control Sample (LCS/DLCS) was analyzed and reported in lieu of the MS/MSD for these samples.

No other anomalies associated with the analysis of these samples were observed.

Approved by _____ **Date** 7/27/09

Chain of Custody Documentation

CHAIN OF CUSTODY

Columbia Analytical Services, Inc. 1317 S. 13th Ave.
Kelso, WA 98626 (360) 577-7222

Service Request # K0901955

Company: *Menzies Engineering Group, Inc.*	Project ID: *First Bank Site - Craig*
Address: *419 Knudson Cove Road*	Property Name: *Lot 1 (Proposed), Craig Cannery Subdivision*
City: *Ketchikan* State: *AK* Zip: *99901*	P.O./Project Name: *First Bank Site Cleanup - Craig*
Tel: *907-220-9424* Fax: *907-220-9425* E-mail: *scot@megalaska.com*	Project Manager: *Scot Menzies*
Sampler(s) Name & Signature: *Scot A. Menzies* Scot A. Menzies	Samples Chlorinated: Yes___ No_X__
	Compliance Sample: Yes_XX___ No __Report to State: Yes_XX___ No___

Sample I.D.	Source Type (see table below)	Date sampled	Time Sampled	Number of Containers	Primary IOCs: (Check) or (All) □As □Ba □Be □Cd □Cr □Ag □Ni □Se □Na □Cyanide □Fluoride □Nitrate □Nitrite	Primary IOCs: Lead/Copper	Secondary IOCs: (Check) □Al □Fe □Mn □Ag □Zn □Ca □Mg □Chloride □Color □pH □Sulfate □TDS □Hardness □Foaming Agents □Conductivity □Silica □Phosphorus □Turbidity □Other___	Disinfection By-Products: Haloacetic Acids (HAA) 552.2	Disinfection By-Products: Trihalomethanes (TTHM) 524.2	Disinfection By-Products: □TOC□Bromide□Bromate□Chlorite	Synthetic Organic Chemicals: Semi-Volatiles 525.2 □ Regulated □ Unregulated	Pesticides/PCBs 508.1	Volatiles 524.2 □Reg. □UnReg.	EDB/DBCP/TCP 504.1	Chlorinated Acids 515.4	Carbamates 531.1	□Glyphosate 547□Endothall 548.1	AK 101 (GRO)/BTEX/PAH	AK 102/103 (DRO/RRO)	Remarks:	
1	*Soil Matrix*	*2/25/2009*	*1559*	*2*															*X*		*Preserved with MeOH*	1
1 - Duplicate		*2/25/2009*	*1601*	*1*															*X*		*Preserved with MeOH*	2
1		*2/25/2009*	*1603*	*1*																*X*		1
2		*2/26/2009*	*1558*	*1*																*X*		3
2 - Duplicate		*2/26/2009*	*1602*	*1*																*X*		4
3		*2/27/2009*	*1140*	*1*																*X*		5
Stockpile 1-A		*2/26/2009*	*0856*	*1*															*X*		*Preserved with MeOH*	6
Stockpile 1-A		*2/26/2009*	*0858*	*1*																*X*		6
Stockpile 1-B		*2/26/2009*	*0903*	*1*																*X*		7
Stockpile 2-A		*2/27/2009*	*1354*	*1*															*X*		*Preserved with MeOH*	8
Stockpile 2-A		*2/27/2009*	*1345*	*1*																*X*		8
Stockpile 2-B		*2/27/2009*	*1357*	*1*																*X*		9

Source Type
DW- Drinking Water
SW - Surface Water
RW - Raw Water
GW - Ground Water
TW - Treated Water

Relinquished by: Scot A. Menzies	Date/Time: 3/3/09 1030 AM
Relinquished by:	Date/Time:
Relinquished by:	Date/Time:

Received by: CAS	Date/Time: 3/4/09 1300
Received by:	Date/Time:
Received by:	Date/Time:

Special Instructions/Comments:

Rec'd 1 Trip Blank (40z.) labeled TB

Columbia Analytical Services, Inc.
Cooler Receipt and Preservation Form

PC Kleg

Client / Project: Menzies Engineering Service Request K09 01953

Received: 3/6/09 Opened: 3/6/09 By: KB

1. Samples were received via? *US Mail* *Fed Ex* *UPS* *DHL* *GH* *GS* (*PDX*) *Courier* *Hand Delivered*
2. Samples were received in: (circle) (*Cooler*) *Box* *Envelope* *Other* _____ *NA*
3. Were custody seals on coolers? NA (Y) N If yes, how many and where? one, front
   If present, were custody seals intact? (Y) N If present, were they signed and dated? (Y) N
4. Is shipper's air-bill filed? If not, record air-bill number: _____ NA (Y) N

5. Temperature of cooler(s) upon receipt (°C): 6.2C
   Temperature Blank (°C): 5.9C
   Thermometer ID: 253
6. If applicable, list Chain of Custody Numbers:
7. Packing material used. *Inserts* *Baggies* (*Bubble Wrap*) (*Gel Packs*) (*Wet Ice*) *Sleeves* *Other* _____
8. Were custody papers properly filled out (ink, signed, etc.)? NA (Y) N
9. **Did all bottles arrive in good condition (unbroken)?** *Indicate in the table below.* NA (Y) N
10. Were all sample labels complete (i.e analysis, preservation, etc.)? NA (Y) N
11. Did all sample labels and tags agree with custody papers? *Indicate in the table below* NA Y (N) *
12. **Were appropriate bottles/containers and volumes received for the tests indicated?** NA (Y) N
13. Were the pH-preserved bottles tested* received at the appropriate pH? *Indicate in the table below* (NA) Y N
14. Were VOA vials and 1631 Mercury bottles received without headspace? *Indicate in the table below.* (NA) Y N
15. **Are CWA Microbiology samples received with >1/2 the 24hr. hold time remaining from collection?** (NA) Y N
16. Was C12/Res negative? (NA) Y N

Sample ID on Bottle	Sample ID on COC	Sample ID on Bottle	Sample ID on COC

Sample ID	Bottle Count	Bottle Type	Out of Temp	Head-space	Broken	pH	Reagent	Volume added	Reagent Lot Number	Initials

*Does not include all pH preserved sample aliquots received. See sample receiving SOP (SMO-GEN).

Additional Notes, Discrepancies, & Resolutions: *rec'd 1TB not on coc

Total Solids

Client: Menzies Engineering Group, Inc.
Project: First Bank Site Clea
Sample Matrix: Soil

Service Request: K0901953

Total Solids

Prep Method: NONE
Analysis Method: 160.3M
Test Notes:

Units: PERCENT
Basis: Wet

Sample Name	Lab Code	Date Collected	Date Received	Date Analyzed	Result	Result Notes
1	K0901953-001	02/25/2009	03/06/2009	03/09/2009	90.5	
2	K0901953-003	02/26/2009	03/06/2009	03/09/2009	87.5	
2-Duplicate	K0901953-004	02/26/2009	03/06/2009	03/09/2009	86.6	
3	K0901953-005	02/27/2009	03/06/2009	03/09/2009	78.5	
Stockpile 1-A	K0901953-006	02/26/2009	03/06/2009	03/09/2009	77.9	
Stockpile 1-B	K0901953-007	02/26/2009	03/06/2009	03/09/2009	77.7	
Stockpile 2-A	K0901953-008	02/27/2009	03/06/2009	03/09/2009	82.5	
Stockpile 2-B	K0901953-009	02/27/2009	03/06/2009	03/09/2009	80.5	

Client:	Menzies Engineering Group, Inc.	**Service Request:**	K0901953
Project:	First Bank Site Clea	**Date Collected:**	02/27/2009
Sample Matrix:	Soil	**Date Received:**	03/06/2009
		Date Analyzed:	03/09/2009

Duplicate Sample Summary
Total Solids

Prep Method:	NONE	**Units:**	PERCENT
Analysis Method:	160.3M	**Basis:**	Wet
Test Notes:			

Sample Name	Lab Code	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Stockpile 2-B	K0901953-009	80.5	79.4	80.0	1	

Gasoline Range Organics
AK 101

Client: Menzies Engineering Group, Inc.
Project: First Bank Site Cleanup-Craig
Sample Matrix: Soil

Service Request: K0901953
Date Collected: 02/25/2009
Date Received: 03/06/2009

Gasoline Range Organics

Sample Name: 1
Lab Code: K0901953-001

Extraction Method: EPA 5030B
Analysis Method: AK101

Units: mg/Kg
Basis: Dry

Level: Med

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
C6 - C10 GRO	**6.8**	J	41	3.1	1	03/17/09	03/17/09	KWG0902379	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromofluorobenzene	114	50-150	03/17/09	Acceptable

Comments:

Client:	Menzies Engineering Group, Inc.	**Service Request:**	K0901953
Project:	First Bank Site Cleanup-Craig	**Date Collected:**	02/25/2009
Sample Matrix:	Soil	**Date Received:**	03/06/2009

Gasoline Range Organics

Sample Name:	1-Duplicate	**Units:**	mg/Kg
Lab Code:	K0901953-002	**Basis:**	Dry
Extraction Method:	EPA 5030B	**Level:**	Med
Analysis Method:	AK101		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
C6 - C10 GRO	**3.2**	J	25	1.9	1	03/17/09	03/17/09	KWG0902379	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromofluorobenzene	119	50-150	03/17/09	Acceptable

Comments:

Client:	Menzies Engineering Group, Inc.	**Service Request:**	K0901953
Project:	First Bank Site Cleanup-Craig	**Date Collected:**	02/26/2009
Sample Matrix:	Soil	**Date Received:**	03/06/2009

Gasoline Range Organics

Sample Name:	Stockpile 1-A	**Units:**	mg/Kg
Lab Code:	K0901953-006	**Basis:**	Dry
Extraction Method:	EPA 5030B	**Level:**	Med
Analysis Method:	AK101		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
C6 - C10 GRO	**84**	H	25	1.9	1	03/17/09	03/17/09	KWG0902379	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromofluorobenzene	141	50-150	03/17/09	Acceptable

Comments:

Client:	Menzies Engineering Group, Inc.	**Service Request:**	K0901953
Project:	First Bank Site Cleanup-Craig	**Date Collected:**	02/27/2009
Sample Matrix:	Soil	**Date Received:**	03/06/2009

Gasoline Range Organics

Sample Name:	Stockpile 2-A	**Units:**	mg/Kg
Lab Code:	K0901953-008	**Basis:**	Dry
Extraction Method:	EPA 5030B	**Level:**	Med
Analysis Method:	AK101		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
C6 - C10 GRO	**160**	H	24	1.8	1	03/17/09	03/17/09	KWG0902379	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromofluorobenzene	148	50-150	03/17/09	Acceptable

Comments:

Client:	Menzies Engineering Group, Inc.	**Service Request:**	K0901953
Project:	First Bank Site Cleanup-Craig	**Date Collected:**	02/25/2009
Sample Matrix:	Soil	**Date Received:**	03/06/2009

Gasoline Range Organics

Sample Name:	TB1	**Units:**	mg/Kg
Lab Code:	K0901953-010	**Basis:**	Dry
Extraction Method:	EPA 5030B	**Level:**	Med
Analysis Method:	AK101		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
C6 - C10 GRO	ND	U	20	1.5	1	03/17/09	03/17/09	KWG0902379	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromofluorobenzene	112	50-150	03/17/09	Acceptable

Comments:

Client:	Menzies Engineering Group, Inc.	**Service Request:**	K0901953
Project:	First Bank Site Cleanup-Craig	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA

Gasoline Range Organics

Sample Name:	Method Blank	**Units:**	mg/Kg
Lab Code:	KWG0902379-6	**Basis:**	Dry
Extraction Method:	EPA 5030B	**Level:**	Med
Analysis Method:	AK101		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
C6 - C10 GRO	ND	U	40	3.0	1	03/17/09	03/17/09	KWG0902379	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromofluorobenzene	115	50-150	03/17/09	Acceptable

Comments:

Client: Menzies Engineering Group, Inc.
Project: First Bank Site Cleanup-Craig
Sample Matrix: Soil

Service Request: K0901953

Surrogate Recovery Summary
Gasoline Range Organics

Extraction Method: EPA 5030B
Analysis Method: AK101

Units: PERCENT
Level: Med

Sample Name	Lab Code	Sur1
1	K0901953-001	114
1-Duplicate	K0901953-002	119
Stockpile 1-A	K0901953-006	141
Stockpile 2-A	K0901953-008	148
TB1	K0901953-010	112
Method Blank	KWG0902379-6	115
1-DuplicateMS	KWG0902379-1	119
1-DuplicateDMS	KWG0902379-2	104
Lab Control Sample	KWG0902379-3	101
Duplicate Lab Control Sample	KWG0902379-4	124

Surrogate Recovery Control Limits (%)

Sur1 = 4-Bromofluorobenzene 50-150

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

Client:	Menzies Engineering Group, Inc.	**Service Request:**	K0901953
Project:	First Bank Site Cleanup-Craig	**Date Extracted:**	03/17/2009
Sample Matrix:	Soil	**Date Analyzed:**	03/17/2009

Matrix Spike/Duplicate Matrix Spike Summary
Gasoline Range Organics

Sample Name:	1-Duplicate	**Units:**	mg/Kg
Lab Code:	K0901953-002	**Basis:**	Dry
Extraction Method:	EPA 5030B	**Level:**	Med
Analysis Method:	AK101	**Extraction Lot:**	KWG0902379

		1-DuplicateMS KWG0902379-1 Matrix Spike			1-DuplicateDMS KWG0902379-2 Duplicate Matrix Spike					
Analyte Name	**Sample Result**	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
C6 - C10 GRO	3.2	34.5	30.3	103	34.4	30.3	103	64-138	0	40

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: Menzies Engineering Group, Inc.
Project: First Bank Site Cleanup-Craig
Sample Matrix: Soil

Service Request: K0901953
Date Extracted: 03/17/2009
Date Analyzed: 03/17/2009

Lab Control Spike/Duplicate Lab Control Spike Summary
Gasoline Range Organics

Extraction Method: EPA 5030B
Analysis Method: AK101

Units: mg/Kg
Basis: Dry
Level: Med
Extraction Lot: KWG0902379

	Lab Control Sample KWG0902379-3 Lab Control Spike			Duplicate Lab Control Sample KWG0902379-4 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
C6 - C10 GRO	52.3	50.0	105	53.2	50.0	106	60-120	2	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Diesel Range Organics
AK 102

Client:	Menzies Engineering Group, Inc.	**Service Request:**	K0901953
Project:	First Bank Site Cleanup-Craig	**Date Collected:**	02/25/2009
Sample Matrix:	Soil	**Date Received:**	03/06/2009

Diesel Range Organics

Sample Name:	1	**Units:**	mg/Kg
Lab Code:	K0901953-001	**Basis:**	Dry
Extraction Method:	EPA 3550B	**Level:**	Low
Analysis Method:	AK102		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
C10 - C25 DRO	**23**	Y	23	1.5	1	03/10/09	03/12/09	KWG0902183	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
o-Terphenyl	76	50-150	03/12/09	Acceptable

Comments:

Client:	Menzies Engineering Group, Inc.	**Service Request:**	K0901953
Project:	First Bank Site Cleanup-Craig	**Date Collected:**	02/26/2009
Sample Matrix:	Soil	**Date Received:**	03/06/2009

Diesel Range Organics

Sample Name:	2	**Units:**	mg/Kg
Lab Code:	K0901953-003	**Basis:**	Dry
Extraction Method:	EPA 3550B	**Level:**	Low
Analysis Method:	AK102		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
C10 - C25 DRO	**7.8**	J	23	1.5	1	03/10/09	03/12/09	KWG0902183	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
o-Terphenyl	78	50-150	03/12/09	Acceptable

Comments:

Client: Menzies Engineering Group, Inc.
Project: First Bank Site Cleanup-Craig
Sample Matrix: Soil

Service Request: K0901953
Date Collected: 02/26/2009
Date Received: 03/06/2009

Diesel Range Organics

Sample Name: 2-Duplicate
Lab Code: K0901953-004

Extraction Method: EPA 3550B
Analysis Method: AK102

Units: mg/Kg
Basis: Dry

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
C10 - C25 DRO	**12**	J	24	1.6	1	03/10/09	03/12/09	KWG0902183	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
o-Terphenyl	78	50-150	03/12/09	Acceptable

Comments:

Client:	Menzies Engineering Group, Inc.	**Service Request:**	K0901953
Project:	First Bank Site Cleanup-Craig	**Date Collected:**	02/27/2009
Sample Matrix:	Soil	**Date Received:**	03/06/2009

Diesel Range Organics

Sample Name:	3	**Units:**	mg/Kg
Lab Code:	K0901953-005	**Basis:**	Dry
Extraction Method:	EPA 3550B	**Level:**	Low
Analysis Method:	AK102		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
C10 - C25 DRO	**1.9**	J	26	1.7	1	03/10/09	03/12/09	KWG0902183	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
o-Terphenyl	87	50-150	03/12/09	Acceptable

Comments:

Client:	Menzies Engineering Group, Inc.	**Service Request:**	K0901953
Project:	First Bank Site Cleanup-Craig	**Date Collected:**	02/26/2009
Sample Matrix:	Soil	**Date Received:**	03/06/2009

Diesel Range Organics

Sample Name:	Stockpile 1-A	**Units:**	mg/Kg
Lab Code:	K0901953-006	**Basis:**	Dry
Extraction Method:	EPA 3550B	**Level:**	Low
Analysis Method:	AK102		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
C10 - C25 DRO	**470**	Y	26	1.7	1	03/10/09	03/12/09	KWG0902183	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
o-Terphenyl	85	50-150	03/12/09	Acceptable

Comments:

Client:	Menzies Engineering Group, Inc.	**Service Request:**	K0901953
Project:	First Bank Site Cleanup-Craig	**Date Collected:**	02/26/2009
Sample Matrix:	Soil	**Date Received:**	03/06/2009

Diesel Range Organics

Sample Name:	Stockpile 1-B	**Units:**	mg/Kg
Lab Code:	K0901953-007	**Basis:**	Dry
Extraction Method:	EPA 3550B	**Level:**	Low
Analysis Method:	AK102		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
C10 - C25 DRO	**290**	Y	26	1.7	1	03/10/09	03/12/09	KWG0902183	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
o-Terphenyl	88	50-150	03/12/09	Acceptable

Comments:

Client:	Menzies Engineering Group, Inc.	**Service Request:**	K0901953
Project:	First Bank Site Cleanup-Craig	**Date Collected:**	02/27/2009
Sample Matrix:	Soil	**Date Received:**	03/06/2009

Diesel Range Organics

Sample Name:	Stockpile 2-A	**Units:**	mg/Kg
Lab Code:	K0901953-008	**Basis:**	Dry
Extraction Method:	EPA 3550B	**Level:**	Low
Analysis Method:	AK102		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
C10 - C25 DRO	**410**	Y	25	1.6	1	03/10/09	03/12/09	KWG0902183	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
o-Terphenyl	81	50-150	03/12/09	Acceptable

Comments:

Client:	Menzies Engineering Group, Inc.	**Service Request:**	K0901953
Project:	First Bank Site Cleanup-Craig	**Date Collected:**	02/27/2009
Sample Matrix:	Soil	**Date Received:**	03/06/2009

Diesel Range Organics

Sample Name:	Stockpile 2-B	**Units:**	mg/Kg
Lab Code:	K0901953-009	**Basis:**	Dry
Extraction Method:	EPA 3550B	**Level:**	Low
Analysis Method:	AK102		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
C10 - C25 DRO	**430**	Y	25	1.7	1	03/10/09	03/12/09	KWG0902183	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
o-Terphenyl	93	50-150	03/12/09	Acceptable

Comments:

Client:	Menzies Engineering Group, Inc.	**Service Request:**	K0901953
Project:	First Bank Site Cleanup-Craig	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA

Diesel Range Organics

Sample Name:	Method Blank	**Units:**	mg/Kg
Lab Code:	KWG0902183-5	**Basis:**	Dry
Extraction Method:	EPA 3550B	**Level:**	Low
Analysis Method:	AK102		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
C10 - C25 DRO	**1.4**	J	20	1.3	1	03/10/09	03/16/09	KWG0902183	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
o-Terphenyl	85	50-150	03/16/09	Acceptable

Comments:

Client: Menzies Engineering Group, Inc.
Project: First Bank Site Cleanup-Craig
Sample Matrix: Soil

Service Request: K0901953

Surrogate Recovery Summary
Diesel Range Organics

Extraction Method: EPA 3550B
Analysis Method: AK102

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1
1	K0901953-001	76
2	K0901953-003	78
2-Duplicate	K0901953-004	78
3	K0901953-005	87
Stockpile 1-A	K0901953-006	85
Stockpile 1-B	K0901953-007	88
Stockpile 2-A	K0901953-008	81
Stockpile 2-B	K0901953-009	93
Method Blank	KWG0902183-5	85
Batch QC	K0901913-001	82
Batch QCMS	KWG0902183-1	88
Batch QCDMS	KWG0902183-2	90
Lab Control Sample	KWG0902183-3	90
Duplicate Lab Control Sample	KWG0902183-4	93

Surrogate Recovery Control Limits (%)

Sur1 = o-Terphenyl	50-150

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

Client:	Menzies Engineering Group, Inc.	**Service Request:**	K0901953
Project:	First Bank Site Cleanup-Craig	**Date Extracted:**	03/10/2009
Sample Matrix:	Soil	**Date Analyzed:**	03/16/2009 - 03/17/2009

Matrix Spike/Duplicate Matrix Spike Summary
Diesel Range Organics

Sample Name:	Batch QC	**Units:**	mg/Kg
Lab Code:	K0901913-001	**Basis:**	Dry
Extraction Method:	EPA 3550B	**Level:**	Low
Analysis Method:	AK102	**Extraction Lot:**	KWG0902183

Analyte Name	Sample Result	Batch QCMS KWG0902183-1 Matrix Spike			Batch QCDMS KWG0902183-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
C10 - C25 DRO	2.4	269	298	90	285	339	83	60-140	6	50

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: Menzies Engineering Group, Inc.
Project: First Bank Site Cleanup-Craig
Sample Matrix: Soil

Service Request: K0901953
Date Extracted: 03/10/2009
Date Analyzed: 03/16/2009

Lab Control Spike/Duplicate Lab Control Spike Summary
Diesel Range Organics

Extraction Method: EPA 3550B
Analysis Method: AK102

Units: mg/Kg
Basis: Dry
Level: Low
Extraction Lot: KWG0902183

	Lab Control Sample KWG0902183-3 Lab Control Spike			Duplicate Lab Control Sample KWG0902183-4 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
C10 - C25 DRO	216	235	92	223	235	95	75-125	3	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Residual Range Organics
AK 103

Client: Menzies Engineering Group, Inc.
Project: First Bank Site Cleanup-Craig
Sample Matrix: Soil

Service Request: K0901953
Date Collected: 02/25/2009
Date Received: 03/06/2009

Residual Range Organics

Sample Name: 1
Lab Code: K0901953-001

Extraction Method: EPA 3550B
Analysis Method: AK103

Units: mg/Kg
Basis: Dry

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Residual Range Organics (RRO)	9.1	J	120	3.2	1	03/10/09	03/12/09	KWG0902184	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
n-Triacontane	85	50-150	03/12/09	Acceptable

Comments:

Client:	Menzies Engineering Group, Inc.	**Service Request:**	K0901953
Project:	First Bank Site Cleanup-Craig	**Date Collected:**	02/26/2009
Sample Matrix:	Soil	**Date Received:**	03/06/2009

Residual Range Organics

Sample Name:	2	**Units:**	mg/Kg
Lab Code:	K0901953-003	**Basis:**	Dry
Extraction Method:	EPA 3550B	**Level:**	Low
Analysis Method:	AK103		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Residual Range Organics (RRO)	7.7	J	120	3.4	1	03/10/09	03/12/09	KWG0902184	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
n-Triacontane	81	50-150	03/12/09	Acceptable

Comments:

Client:	Menzies Engineering Group, Inc.	**Service Request:**	K0901953
Project:	First Bank Site Cleanup-Craig	**Date Collected:**	02/26/2009
Sample Matrix:	Soil	**Date Received:**	03/06/2009

Residual Range Organics

Sample Name:	2-Duplicate	**Units:**	mg/Kg
Lab Code:	K0901953-004	**Basis:**	Dry
Extraction Method:	EPA 3550B	**Level:**	Low
Analysis Method:	AK103		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Residual Range Organics (RRO)	9.5	J	120	3.4	1	03/10/09	03/12/09	KWG0902184	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
n-Triacontane	82	50-150	03/12/09	Acceptable

Comments:

Client: Menzies Engineering Group, Inc.
Project: First Bank Site Cleanup-Craig
Sample Matrix: Soil

Service Request: K0901953
Date Collected: 02/27/2009
Date Received: 03/06/2009

Residual Range Organics

Sample Name: 3
Lab Code: K0901953-005

Extraction Method: EPA 3550B
Analysis Method: AK103

Units: mg/Kg
Basis: Dry

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Residual Range Organics (RRO)	5.0	J	130	3.7	1	03/10/09	03/12/09	KWG0902184	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
n-Triacontane	93	50-150	03/12/09	Acceptable

Comments:

Client: Menzies Engineering Group, Inc.
Project: First Bank Site Cleanup-Craig
Sample Matrix: Soil

Service Request: K0901953
Date Collected: 02/26/2009
Date Received: 03/06/2009

Residual Range Organics

Sample Name: Stockpile 1-A
Lab Code: K0901953-006

Extraction Method: EPA 3550B
Analysis Method: AK103

Units: mg/Kg
Basis: Dry

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Residual Range Organics (RRO)	11	J	130	3.8	1	03/10/09	03/12/09	KWG0902184	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
n-Triacontane	90	50-150	03/12/09	Acceptable

Comments:

Client:	Menzies Engineering Group, Inc.	**Service Request:**	K0901953
Project:	First Bank Site Cleanup-Craig	**Date Collected:**	02/26/2009
Sample Matrix:	Soil	**Date Received:**	03/06/2009

Residual Range Organics

Sample Name:	Stockpile 1-B	**Units:**	mg/Kg
Lab Code:	K0901953-007	**Basis:**	Dry
Extraction Method:	EPA 3550B	**Level:**	Low
Analysis Method:	AK103		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Residual Range Organics (RRO)	8.8	J	130	3.8	1	03/10/09	03/12/09	KWG0902184	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
n-Triacontane	93	50-150	03/12/09	Acceptable

Comments:

Client:	Menzies Engineering Group, Inc.	**Service Request:**	K0901953
Project:	First Bank Site Cleanup-Craig	**Date Collected:**	02/27/2009
Sample Matrix:	Soil	**Date Received:**	03/06/2009

Residual Range Organics

Sample Name:	Stockpile 2-A	**Units:**	mg/Kg
Lab Code:	K0901953-008	**Basis:**	Dry
Extraction Method:	EPA 3550B	**Level:**	Low
Analysis Method:	AK103		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Residual Range Organics (RRO)	7.6	J	130	3.6	1	03/10/09	03/12/09	KWG0902184	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
n-Triacontane	88	50-150	03/12/09	Acceptable

Comments:

Client:	Menzies Engineering Group, Inc.	**Service Request:**	K0901953
Project:	First Bank Site Cleanup-Craig	**Date Collected:**	02/27/2009
Sample Matrix:	Soil	**Date Received:**	03/06/2009

Residual Range Organics

Sample Name:	Stockpile 2-B	**Units:**	mg/Kg
Lab Code:	K0901953-009	**Basis:**	Dry
Extraction Method:	EPA 3550B	**Level:**	Low
Analysis Method:	AK103		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Residual Range Organics (RRO)	25	J	130	3.7	1	03/10/09	03/12/09	KWG0902184	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
n-Triacontane	96	50-150	03/12/09	Acceptable

Comments:

Client: Menzies Engineering Group, Inc.
Project: First Bank Site Cleanup-Craig
Sample Matrix: Soil

Service Request: K0901953
Date Collected: NA
Date Received: NA

Residual Range Organics

Sample Name: Method Blank
Lab Code: KWG0902184-5

Extraction Method: EPA 3550B
Analysis Method: AK103

Units: mg/Kg
Basis: Dry

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Residual Range Organics (RRO)	3.5	J	100	2.9	1	03/10/09	03/16/09	KWG0902184	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
n-Triacontane	90	50-150	03/16/09	Acceptable

Comments:

Client: Menzies Engineering Group, Inc.
Project: First Bank Site Cleanup-Craig
Sample Matrix: Soil

Service Request: K0901953

Surrogate Recovery Summary
Residual Range Organics

Extraction Method: EPA 3550B
Analysis Method: AK103

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1
1	K0901953-001	85
2	K0901953-003	81
2-Duplicate	K0901953-004	82
3	K0901953-005	93
Stockpile 1-A	K0901953-006	90
Stockpile 1-B	K0901953-007	93
Stockpile 2-A	K0901953-008	88
Stockpile 2-B	K0901953-009	96
Method Blank	KWG0902184-5	90
Batch QC	K0901913-001	90
Batch QCMS	KWG0902184-1	91
Batch QCDMS	KWG0902184-2	93
Lab Control Sample	KWG0902184-3	95
Duplicate Lab Control Sample	KWG0902184-4	97

Surrogate Recovery Control Limits (%)

Sur1 =	n-Triacontane	50-150

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

Client:	Menzies Engineering Group, Inc.	**Service Request:**	K0901953
Project:	First Bank Site Cleanup-Craig	**Date Extracted:**	03/10/2009
Sample Matrix:	Soil	**Date Analyzed:**	03/16/2009 - 03/17/2009

Matrix Spike/Duplicate Matrix Spike Summary
Residual Range Organics

Sample Name:	Batch QC	**Units:**	mg/Kg
Lab Code:	K0901913-001	**Basis:**	Dry
Extraction Method:	EPA 3550B	**Level:**	Low
Analysis Method:	AK103	**Extraction Lot:**	KWG0902184

		Batch QCMS KWG0902184-1 Matrix Spike			Batch QCDMS KWG0902184-2 Duplicate Matrix Spike					
Analyte Name	**Sample Result**	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Residual Range Organics (RRO)	6.4	155	169	88	169	170	96	60-140	9	50

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: Menzies Engineering Group, Inc.
Project: First Bank Site Cleanup-Craig
Sample Matrix: Soil

Service Request: K0901953
Date Extracted: 03/10/2009
Date Analyzed: 03/16/2009

Lab Control Spike/Duplicate Lab Control Spike Summary
Residual Range Organics

Extraction Method: EPA 3550B
Analysis Method: AK103

Units: mg/Kg
Basis: Dry
Level: Low
Extraction Lot: KWG0902184

	Lab Control Sample KWG0902184-3 Lab Control Spike			Duplicate Lab Control Sample KWG0902184-4 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Residual Range Organics (RRO)	126	133	94	129	133	96	60-120	2	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Volatile Organic Compounds
EPA Method 8260B

Client:	Menzies Engineering Group, Inc.	**Service Request:**	K0901953
Project:	First Bank Site Cleanup-Craig	**Date Collected:**	02/25/2009
Sample Matrix:	Soil	**Date Received:**	03/06/2009

Volatile Organics by GC/MS

Sample Name:	1	**Units:**	mg/Kg
Lab Code:	K0901953-001	**Basis:**	Dry
Extraction Method:	EPA 5035A/5030B	**Level:**	Med
Analysis Method:	8260B		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzene	**0.014**	J	0.11	0.014	1	03/11/09	03/11/09	KWG0902071	
Toluene	**0.070**	J	0.11	0.018	1	03/11/09	03/11/09	KWG0902071	
Ethylbenzene	**0.016**	J	0.11	0.0091	1	03/11/09	03/11/09	KWG0902071	
m,p-Xylenes	**0.084**	J	0.11	0.019	1	03/11/09	03/11/09	KWG0902071	
o-Xylene	**0.022**	J	0.11	0.014	1	03/11/09	03/11/09	KWG0902071	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Toluene-d8	114	77-123	03/11/09	Acceptable
Dibromofluoromethane	100	69-118	03/11/09	Acceptable
4-Bromofluorobenzene	107	58-135	03/11/09	Acceptable

Comments:

Client: Menzies Engineering Group, Inc.
Project: First Bank Site Cleanup-Craig
Sample Matrix: Soil

Service Request: K0901953
Date Collected: 02/25/2009
Date Received: 03/06/2009

Volatile Organics by GC/MS

Sample Name: 1-Duplicate
Lab Code: K0901953-002

Extraction Method: EPA 5035A/5030B
Analysis Method: 8260B

Units: mg/Kg
Basis: Dry
Level: Med

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzene	ND	U	0.061	0.0083	1	03/11/09	03/11/09	KWG0902071	
Toluene	**0.029**	J	0.061	0.011	1	03/11/09	03/11/09	KWG0902071	
Ethylbenzene	ND	U	0.061	0.0055	1	03/11/09	03/11/09	KWG0902071	
m,p-Xylenes	**0.050**	J	0.061	0.012	1	03/11/09	03/11/09	KWG0902071	
o-Xylene	**0.011**	J	0.061	0.0083	1	03/11/09	03/11/09	KWG0902071	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Toluene-d8	116	77-123	03/11/09	Acceptable
Dibromofluoromethane	101	69-118	03/11/09	Acceptable
4-Bromofluorobenzene	108	58-135	03/11/09	Acceptable

Comments:

Client:	Menzies Engineering Group, Inc.	**Service Request:**	K0901953
Project:	First Bank Site Cleanup-Craig	**Date Collected:**	02/26/2009
Sample Matrix:	Soil	**Date Received:**	03/06/2009

Volatile Organics by GC/MS

Sample Name:	Stockpile 1-A	**Units:**	mg/Kg
Lab Code:	K0901953-006	**Basis:**	Dry
Extraction Method:	EPA 5035A/5030B	**Level:**	Med
Analysis Method:	8260B		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzene	ND	U	0.31	0.042	1	03/11/09	03/11/09	KWG0902071	
Toluene	ND	U	0.31	0.052	1	03/11/09	03/11/09	KWG0902071	
Ethylbenzene	**0.055**	J	0.31	0.028	1	03/11/09	03/11/09	KWG0902071	
m,p-Xylenes	**0.15**	J	0.31	0.057	1	03/11/09	03/11/09	KWG0902071	
o-Xylene	ND	U	0.31	0.042	1	03/11/09	03/11/09	KWG0902071	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Toluene-d8	118	77-123	03/11/09	Acceptable
Dibromofluoromethane	103	69-118	03/11/09	Acceptable
4-Bromofluorobenzene	112	58-135	03/11/09	Acceptable

Comments:

Client:	Menzies Engineering Group, Inc.	**Service Request:**	K0901953
Project:	First Bank Site Cleanup-Craig	**Date Collected:**	02/27/2009
Sample Matrix:	Soil	**Date Received:**	03/06/2009

Volatile Organics by GC/MS

Sample Name:	Stockpile 2-A	**Units:**	mg/Kg
Lab Code:	K0901953-008	**Basis:**	Dry
Extraction Method:	EPA 5035A/5030B	**Level:**	Med
Analysis Method:	8260B		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzene	ND	U	0.28	0.038	1	03/11/09	03/11/09	KWG0902071	
Toluene	ND	U	0.28	0.047	1	03/11/09	03/11/09	KWG0902071	
Ethylbenzene	**0.16**	J	0.28	0.025	1	03/11/09	03/11/09	KWG0902071	
m,p-Xylenes	**0.40**		0.28	0.051	1	03/11/09	03/11/09	KWG0902071	
o-Xylene	ND	U	0.28	0.038	1	03/11/09	03/11/09	KWG0902071	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Toluene-d8	118	77-123	03/11/09	Acceptable
Dibromofluoromethane	102	69-118	03/11/09	Acceptable
4-Bromofluorobenzene	115	58-135	03/11/09	Acceptable

Comments:

Client:	Menzies Engineering Group, Inc.	**Service Request:**	K0901953
Project:	First Bank Site Cleanup-Craig	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA

Volatile Organics by GC/MS

Sample Name:	Method Blank	**Units:**	mg/Kg
Lab Code:	KWG0902071-5	**Basis:**	Dry
Extraction Method:	EPA 5035A/5030B	**Level:**	Med
Analysis Method:	8260B		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzene	ND	U	0.050	0.0068	1	03/11/09	03/11/09	KWG0902071	
Toluene	ND	U	0.050	0.0085	1	03/11/09	03/11/09	KWG0902071	
Ethylbenzene	**0.0060**	J	0.050	0.0045	1	03/11/09	03/11/09	KWG0902071	
m,p-Xylenes	**0.012**	J	0.050	0.0093	1	03/11/09	03/11/09	KWG0902071	
o-Xylene	ND	U	0.050	0.0068	1	03/11/09	03/11/09	KWG0902071	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Toluene-d8	114	77-123	03/11/09	Acceptable
Dibromofluoromethane	103	69-118	03/11/09	Acceptable
4-Bromofluorobenzene	104	58-135	03/11/09	Acceptable

Comments:

Client: Menzies Engineering Group, Inc.
Project: First Bank Site Cleanup-Craig
Sample Matrix: Soil

Service Request: K0901953

Surrogate Recovery Summary
Volatile Organics by GC/MS

Extraction Method: EPA 5035A/5030B
Analysis Method: 8260B

Units: PERCENT
Level: Med

Sample Name	Lab Code	Sur1	Sur2	Sur3
1	K0901953-001	114	100	107
1-Duplicate	K0901953-002	116	101	108
Stockpile 1-A	K0901953-006	118	103	112
Stockpile 2-A	K0901953-008	118	102	115
Method Blank	KWG0902071-5	114	103	104
1MS	KWG0902071-1	112	99	110
1DMS	KWG0902071-2	114	99	110
Lab Control Sample	KWG0902071-3	115	100	107

Surrogate Recovery Control Limits (%)

Sur1 =	Toluene-d8	77-123
Sur2 =	Dibromofluoromethane	69-118
Sur3 =	4-Bromofluorobenzene	58-135

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Client:	Menzies Engineering Group, Inc.	**Service Request:**	K0901953
Project:	First Bank Site Cleanup-Craig	**Date Extracted:**	03/11/2009
Sample Matrix:	Soil	**Date Analyzed:**	03/11/2009

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organics by GC/MS

Sample Name:	1	**Units:**	mg/Kg
Lab Code:	K0901953-001	**Basis:**	Dry
Extraction Method:	EPA 5035A/5030B	**Level:**	Med
Analysis Method:	8260B	**Extraction Lot:**	KWG0902071

Analyte Name	Sample Result	1MS KWG0902071-1 Matrix Spike			1DMS KWG0902071-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
Benzene	0.014	2.26	2.01	112	2.11	2.01	105	71-117	7	40
Toluene	0.070	2.37	2.01	115	2.27	2.01	110	65-120	4	40
Ethylbenzene	0.016	2.23	2.01	110	2.10	2.01	104	72-124	6	40
m,p-Xylenes	0.084	4.64	4.01	113	4.33	4.01	106	71-127	7	40
o-Xylene	0.022	2.32	2.01	115	2.17	2.01	107	74-124	7	40

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client:	Menzies Engineering Group, Inc.	**Service Request:**	K0901953
Project:	First Bank Site Cleanup-Craig	**Date Extracted:**	03/11/2009
Sample Matrix:	Soil	**Date Analyzed:**	03/11/2009

Lab Control Spike Summary
Volatile Organics by GC/MS

Extraction Method:	EPA 5035A/5030B	**Units:**	mg/Kg
Analysis Method:	8260B	**Basis:**	Dry
		Level:	Med
		Extraction Lot:	KWG0902071

	Lab Control Sample KWG0902071-3 Lab Control Spike			
Analyte Name	**Result**	**Expected**	**%Rec**	**%Rec Limits**
Benzene	0.936	1.00	94	82-115
Toluene	0.981	1.00	98	79-117
Ethylbenzene	0.909	1.00	91	80-121
m,p-Xylenes	1.84	2.00	92	82-118
o-Xylene	0.952	1.00	95	83-118

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Polynuclear Aromatic Hydrocarbons
EPA Method 8270C SIM

Client:	Menzies Engineering Group, Inc.	**Service Request:**	K0901953
Project:	First Bank Site Cleanup-Craig	**Date Collected:**	02/25/2009
Sample Matrix:	Soil	**Date Received:**	03/06/2009

Polynuclear Aromatic Hydrocarbons

Sample Name:	1	**Units:**	ug/Kg
Lab Code:	K0901953-001	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8270C SIM		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Naphthalene	**11**		2.8	0.37	1	03/09/09	03/11/09	KWG0901960	
2-Methylnaphthalene	**35**		2.8	0.39	1	03/09/09	03/11/09	KWG0901960	
Acenaphthylene	ND	Ui	2.8	0.35	1	03/09/09	03/11/09	KWG0901960	
Acenaphthene	**0.62**	J	2.8	0.23	1	03/09/09	03/11/09	KWG0901960	
Fluorene	**11**		2.8	0.50	1	03/09/09	03/11/09	KWG0901960	
Dibenzofuran	ND	U	2.8	0.59	1	03/09/09	03/11/09	KWG0901960	
Phenanthrene	**29**		2.8	0.75	1	03/09/09	03/11/09	KWG0901960	
Anthracene	**3.5**		2.8	0.47	1	03/09/09	03/11/09	KWG0901960	
Fluoranthene	**2.0**	J	2.8	0.61	1	03/09/09	03/11/09	KWG0901960	
Pyrene	**6.2**		2.8	0.37	1	03/09/09	03/11/09	KWG0901960	
Benzo(b)fluoranthene	**4.9**		2.8	0.25	1	03/09/09	03/11/09	KWG0901960	
Benzo(k)fluoranthene	ND	U	2.8	0.15	1	03/09/09	03/11/09	KWG0901960	
Benz(a)anthracene	ND	U	2.8	0.48	1	03/09/09	03/11/09	KWG0901960	
Chrysene	**9.2**		2.8	0.25	1	03/09/09	03/11/09	KWG0901960	
Benzo(a)pyrene	ND	U	2.8	0.14	1	03/09/09	03/11/09	KWG0901960	
Indeno(1,2,3-cd)pyrene	**0.92**	J	2.8	0.16	1	03/09/09	03/11/09	KWG0901960	
Dibenz(a,h)anthracene	**1.2**	J	2.8	0.28	1	03/09/09	03/11/09	KWG0901960	
Benzo(g,h,i)perylene	**3.8**		2.8	0.64	1	03/09/09	03/11/09	KWG0901960	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	56	10-128	03/11/09	Acceptable
Fluoranthene-d10	57	29-121	03/11/09	Acceptable
Terphenyl-d14	64	24-141	03/11/09	Acceptable

Comments:

Client:	Menzies Engineering Group, Inc.	**Service Request:**	K0901953
Project:	First Bank Site Cleanup-Craig	**Date Collected:**	02/26/2009
Sample Matrix:	Soil	**Date Received:**	03/06/2009

Polynuclear Aromatic Hydrocarbons

Sample Name:	2	**Units:**	ug/Kg
Lab Code:	K0901953-003	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8270C SIM		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Naphthalene	**3.1**		2.9	0.37	1	03/09/09	03/11/09	KWG0901960	
2-Methylnaphthalene	**18**		2.9	0.39	1	03/09/09	03/11/09	KWG0901960	
Acenaphthylene	ND	U	2.9	0.24	1	03/09/09	03/11/09	KWG0901960	
Acenaphthene	**0.59**	J	2.9	0.23	1	03/09/09	03/11/09	KWG0901960	
Fluorene	**9.2**		2.9	0.50	1	03/09/09	03/11/09	KWG0901960	
Dibenzofuran	ND	U	2.9	0.59	1	03/09/09	03/11/09	KWG0901960	
Phenanthrene	**27**		2.9	0.75	1	03/09/09	03/11/09	KWG0901960	
Anthracene	**3.3**		2.9	0.47	1	03/09/09	03/11/09	KWG0901960	
Fluoranthene	**1.8**	J	2.9	0.61	1	03/09/09	03/11/09	KWG0901960	
Pyrene	**5.3**		2.9	0.37	1	03/09/09	03/11/09	KWG0901960	
Benzo(b)fluoranthene	**3.9**		2.9	0.25	1	03/09/09	03/11/09	KWG0901960	
Benzo(k)fluoranthene	ND	U	2.9	0.15	1	03/09/09	03/11/09	KWG0901960	
Benz(a)anthracene	ND	U	2.9	0.48	1	03/09/09	03/11/09	KWG0901960	
Chrysene	**8.1**		2.9	0.25	1	03/09/09	03/11/09	KWG0901960	
Benzo(a)pyrene	ND	U	2.9	0.14	1	03/09/09	03/11/09	KWG0901960	
Indeno(1,2,3-cd)pyrene	**0.66**	J	2.9	0.16	1	03/09/09	03/11/09	KWG0901960	
Dibenz(a,h)anthracene	**0.90**	J	2.9	0.28	1	03/09/09	03/11/09	KWG0901960	
Benzo(g,h,i)perylene	**2.9**		2.9	0.64	1	03/09/09	03/11/09	KWG0901960	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	61	10-128	03/11/09	Acceptable
Fluoranthene-d10	63	29-121	03/11/09	Acceptable
Terphenyl-d14	71	24-141	03/11/09	Acceptable

Comments:

Client: Menzies Engineering Group, Inc.
Project: First Bank Site Cleanup-Craig
Sample Matrix: Soil

Service Request: K0901953
Date Collected: 02/26/2009
Date Received: 03/06/2009

Polynuclear Aromatic Hydrocarbons

Sample Name: 2-Duplicate
Lab Code: K0901953-004

Units: ug/Kg
Basis: Dry

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Naphthalene	**2.8**	J	2.9	0.37	1	03/09/09	03/11/09	KWG0901960	
2-Methylnaphthalene	**14**		2.9	0.39	1	03/09/09	03/11/09	KWG0901960	
Acenaphthylene	ND	U	2.9	0.24	1	03/09/09	03/11/09	KWG0901960	
Acenaphthene	**0.62**	J	2.9	0.23	1	03/09/09	03/11/09	KWG0901960	
Fluorene	**6.7**		2.9	0.50	1	03/09/09	03/11/09	KWG0901960	
Dibenzofuran	ND	U	2.9	0.59	1	03/09/09	03/11/09	KWG0901960	
Phenanthrene	**23**		2.9	0.75	1	03/09/09	03/11/09	KWG0901960	
Anthracene	**3.4**		2.9	0.47	1	03/09/09	03/11/09	KWG0901960	
Fluoranthene	**1.9**	J	2.9	0.61	1	03/09/09	03/11/09	KWG0901960	
Pyrene	**5.7**		2.9	0.37	1	03/09/09	03/11/09	KWG0901960	
Benzo(b)fluoranthene	**3.7**		2.9	0.25	1	03/09/09	03/11/09	KWG0901960	
Benzo(k)fluoranthene	ND	U	2.9	0.15	1	03/09/09	03/11/09	KWG0901960	
Benz(a)anthracene	ND	U	2.9	0.48	1	03/09/09	03/11/09	KWG0901960	
Chrysene	**6.8**		2.9	0.25	1	03/09/09	03/11/09	KWG0901960	
Benzo(a)pyrene	ND	U	2.9	0.14	1	03/09/09	03/11/09	KWG0901960	
Indeno(1,2,3-cd)pyrene	**0.71**	J	2.9	0.16	1	03/09/09	03/11/09	KWG0901960	
Dibenz(a,h)anthracene	**0.86**	J	2.9	0.28	1	03/09/09	03/11/09	KWG0901960	
Benzo(g,h,i)perylene	**2.7**	J	2.9	0.64	1	03/09/09	03/11/09	KWG0901960	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	54	10-128	03/11/09	Acceptable
Fluoranthene-d10	55	29-121	03/11/09	Acceptable
Terphenyl-d14	62	24-141	03/11/09	Acceptable

Comments:

Client:	Menzies Engineering Group, Inc.	**Service Request:**	K0901953
Project:	First Bank Site Cleanup-Craig	**Date Collected:**	02/27/2009
Sample Matrix:	Soil	**Date Received:**	03/06/2009

Polynuclear Aromatic Hydrocarbons

Sample Name:	3	**Units:**	ug/Kg
Lab Code:	K0901953-005	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8270C SIM		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Naphthalene	**1.2**	J	3.2	0.37	1	03/09/09	03/11/09	KWG0901960	
2-Methylnaphthalene	**0.82**	J	3.2	0.39	1	03/09/09	03/11/09	KWG0901960	
Acenaphthylene	ND	U	3.2	0.24	1	03/09/09	03/11/09	KWG0901960	
Acenaphthene	**0.34**	J	3.2	0.23	1	03/09/09	03/11/09	KWG0901960	
Fluorene	**0.64**	J	3.2	0.50	1	03/09/09	03/11/09	KWG0901960	
Dibenzofuran	ND	U	3.2	0.59	1	03/09/09	03/11/09	KWG0901960	
Phenanthrene	**0.94**	J	3.2	0.75	1	03/09/09	03/11/09	KWG0901960	
Anthracene	ND	U	3.2	0.47	1	03/09/09	03/11/09	KWG0901960	
Fluoranthene	**1.0**	J	3.2	0.61	1	03/09/09	03/11/09	KWG0901960	
Pyrene	**0.71**	J	3.2	0.37	1	03/09/09	03/11/09	KWG0901960	
Benzo(b)fluoranthene	**0.73**	J	3.2	0.25	1	03/09/09	03/11/09	KWG0901960	
Benzo(k)fluoranthene	**0.41**	J	3.2	0.15	1	03/09/09	03/11/09	KWG0901960	
Benz(a)anthracene	ND	U	3.2	0.48	1	03/09/09	03/11/09	KWG0901960	
Chrysene	**1.1**	J	3.2	0.25	1	03/09/09	03/11/09	KWG0901960	
Benzo(a)pyrene	ND	U	3.2	0.14	1	03/09/09	03/11/09	KWG0901960	
Indeno(1,2,3-cd)pyrene	**0.58**	J	3.2	0.16	1	03/09/09	03/11/09	KWG0901960	
Dibenz(a,h)anthracene	**0.46**	J	3.2	0.28	1	03/09/09	03/11/09	KWG0901960	
Benzo(g,h,i)perylene	ND	U	3.2	0.64	1	03/09/09	03/11/09	KWG0901960	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	59	10-128	03/11/09	Acceptable
Fluoranthene-d10	59	29-121	03/11/09	Acceptable
Terphenyl-d14	65	24-141	03/11/09	Acceptable

Comments:

Client:	Menzies Engineering Group, Inc.	**Service Request:**	K0901953
Project:	First Bank Site Cleanup-Craig	**Date Collected:**	02/26/2009
Sample Matrix:	Soil	**Date Received:**	03/06/2009

Polynuclear Aromatic Hydrocarbons

Sample Name:	Stockpile 1-A	**Units:**	ug/Kg
Lab Code:	K0901953-006	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8270C SIM		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Naphthalene	**83**		3.2	0.37	1	03/09/09	03/11/09	KWG0901960	
2-Methylnaphthalene	**240**		3.2	0.39	1	03/09/09	03/11/09	KWG0901960	
Acenaphthylene	ND	Ui	11	11	1	03/09/09	03/11/09	KWG0901960	
Acenaphthene	**40**		3.2	0.23	1	03/09/09	03/11/09	KWG0901960	
Fluorene	**98**		3.2	0.50	1	03/09/09	03/11/09	KWG0901960	
Dibenzofuran	**28**		3.2	0.59	1	03/09/09	03/11/09	KWG0901960	
Phenanthrene	**56**		3.2	0.75	1	03/09/09	03/11/09	KWG0901960	
Anthracene	**2.9**	J	3.2	0.47	1	03/09/09	03/11/09	KWG0901960	
Fluoranthene	**11**		3.2	0.61	1	03/09/09	03/11/09	KWG0901960	
Pyrene	**10**		3.2	0.37	1	03/09/09	03/11/09	KWG0901960	
Benzo(b)fluoranthene	**6.8**		3.2	0.25	1	03/09/09	03/11/09	KWG0901960	
Benzo(k)fluoranthene	**2.5**	J	3.2	0.15	1	03/09/09	03/11/09	KWG0901960	
Benz(a)anthracene	**4.5**		3.2	0.48	1	03/09/09	03/11/09	KWG0901960	
Chrysene	**6.9**		3.2	0.25	1	03/09/09	03/11/09	KWG0901960	
Benzo(a)pyrene	**4.6**		3.2	0.14	1	03/09/09	03/11/09	KWG0901960	
Indeno(1,2,3-cd)pyrene	**4.4**		3.2	0.16	1	03/09/09	03/11/09	KWG0901960	
Dibenz(a,h)anthracene	**0.83**	J	3.2	0.28	1	03/09/09	03/11/09	KWG0901960	
Benzo(g,h,i)perylene	**4.0**		3.2	0.64	1	03/09/09	03/11/09	KWG0901960	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	54	10-128	03/11/09	Acceptable
Fluoranthene-d10	64	29-121	03/11/09	Acceptable
Terphenyl-d14	68	24-141	03/11/09	Acceptable

Comments:

Client:	Menzies Engineering Group, Inc.	**Service Request:**	K0901953
Project:	First Bank Site Cleanup-Craig	**Date Collected:**	02/26/2009
Sample Matrix:	Soil	**Date Received:**	03/06/2009

Polynuclear Aromatic Hydrocarbons

Sample Name:	Stockpile 1-B	**Units:**	ug/Kg
Lab Code:	K0901953-007	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8270C SIM		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Naphthalene	**35**		3.2	0.37	1	03/09/09	03/11/09	KWG0901960	
2-Methylnaphthalene	**160**		3.2	0.39	1	03/09/09	03/11/09	KWG0901960	
Acenaphthylene	ND	Ui	6.1	6.1	1	03/09/09	03/11/09	KWG0901960	
Acenaphthene	**22**		3.2	0.23	1	03/09/09	03/11/09	KWG0901960	
Fluorene	**46**		3.2	0.50	1	03/09/09	03/11/09	KWG0901960	
Dibenzofuran	**11**		3.2	0.59	1	03/09/09	03/11/09	KWG0901960	
Phenanthrene	**30**		3.2	0.75	1	03/09/09	03/11/09	KWG0901960	
Anthracene	ND	U	3.2	0.47	1	03/09/09	03/11/09	KWG0901960	
Fluoranthene	**4.9**		3.2	0.61	1	03/09/09	03/11/09	KWG0901960	
Pyrene	**4.1**		3.2	0.37	1	03/09/09	03/11/09	KWG0901960	
Benzo(b)fluoranthene	**2.6**	J	3.2	0.25	1	03/09/09	03/11/09	KWG0901960	
Benzo(k)fluoranthene	**0.92**	J	3.2	0.15	1	03/09/09	03/11/09	KWG0901960	
Benz(a)anthracene	**1.9**	J	3.2	0.48	1	03/09/09	03/11/09	KWG0901960	
Chrysene	**2.9**	J	3.2	0.25	1	03/09/09	03/11/09	KWG0901960	
Benzo(a)pyrene	**1.7**	J	3.2	0.14	1	03/09/09	03/11/09	KWG0901960	
Indeno(1,2,3-cd)pyrene	**1.6**	J	3.2	0.16	1	03/09/09	03/11/09	KWG0901960	
Dibenz(a,h)anthracene	**0.36**	J	3.2	0.28	1	03/09/09	03/11/09	KWG0901960	
Benzo(g,h,i)perylene	**1.4**	J	3.2	0.64	1	03/09/09	03/11/09	KWG0901960	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	55	10-128	03/11/09	Acceptable
Fluoranthene-d10	61	29-121	03/11/09	Acceptable
Terphenyl-d14	60	24-141	03/11/09	Acceptable

Comments:

Client:	Menzies Engineering Group, Inc.	**Service Request:**	K0901953
Project:	First Bank Site Cleanup-Craig	**Date Collected:**	02/27/2009
Sample Matrix:	Soil	**Date Received:**	03/06/2009

Polynuclear Aromatic Hydrocarbons

Sample Name:	Stockpile 2-A	**Units:**	ug/Kg
Lab Code:	K0901953-008	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8270C SIM		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Naphthalene	**140**		3.1	0.37	1	03/09/09	03/11/09	KWG0901960	
2-Methylnaphthalene	**620**		3.1	0.39	1	03/09/09	03/11/09	KWG0901960	
Acenaphthylene	**19**		3.1	0.24	1	03/09/09	03/11/09	KWG0901960	
Acenaphthene	ND	Ui	51	51	1	03/09/09	03/11/09	KWG0901960	
Fluorene	**130**		3.1	0.50	1	03/09/09	03/11/09	KWG0901960	
Dibenzofuran	**45**		3.1	0.59	1	03/09/09	03/11/09	KWG0901960	
Phenanthrene	**79**		3.1	0.75	1	03/09/09	03/11/09	KWG0901960	
Anthracene	ND	U	3.1	0.47	1	03/09/09	03/11/09	KWG0901960	
Fluoranthene	**16**		3.1	0.61	1	03/09/09	03/11/09	KWG0901960	
Pyrene	**12**		3.1	0.37	1	03/09/09	03/11/09	KWG0901960	
Benzo(b)fluoranthene	**8.9**		3.1	0.25	1	03/09/09	03/11/09	KWG0901960	
Benzo(k)fluoranthene	**3.5**		3.1	0.15	1	03/09/09	03/11/09	KWG0901960	
Benz(a)anthracene	**6.2**		3.1	0.48	1	03/09/09	03/11/09	KWG0901960	
Chrysene	**13**		3.1	0.25	1	03/09/09	03/11/09	KWG0901960	
Benzo(a)pyrene	**4.1**		3.1	0.14	1	03/09/09	03/11/09	KWG0901960	
Indeno(1,2,3-cd)pyrene	**3.4**		3.1	0.16	1	03/09/09	03/11/09	KWG0901960	
Dibenz(a,h)anthracene	**0.66**	J	3.1	0.28	1	03/09/09	03/11/09	KWG0901960	
Benzo(g,h,i)perylene	**2.9**	J	3.1	0.64	1	03/09/09	03/11/09	KWG0901960	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	50	10-128	03/11/09	Acceptable
Fluoranthene-d10	62	29-121	03/11/09	Acceptable
Terphenyl-d14	64	24-141	03/11/09	Acceptable

Comments:

Client:	Menzies Engineering Group, Inc.	**Service Request:**	K0901953
Project:	First Bank Site Cleanup-Craig	**Date Collected:**	02/27/2009
Sample Matrix:	Soil	**Date Received:**	03/06/2009

Polynuclear Aromatic Hydrocarbons

Sample Name:	Stockpile 2-B	**Units:**	ug/Kg
Lab Code:	K0901953-009	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8270C SIM		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Naphthalene	**200**		3.1	0.37	1	03/09/09	03/11/09	KWG0901960	
2-Methylnaphthalene	**560**		3.1	0.39	1	03/09/09	03/11/09	KWG0901960	
Acenaphthylene	ND	Ui	7.5	7.5	1	03/09/09	03/11/09	KWG0901960	
Acenaphthene	**36**		3.1	0.23	1	03/09/09	03/11/09	KWG0901960	
Fluorene	**88**		3.1	0.50	1	03/09/09	03/11/09	KWG0901960	
Dibenzofuran	**27**		3.1	0.59	1	03/09/09	03/11/09	KWG0901960	
Phenanthrene	**120**		3.1	0.75	1	03/09/09	03/11/09	KWG0901960	
Anthracene	**11**		3.1	0.47	1	03/09/09	03/11/09	KWG0901960	
Fluoranthene	**78**		3.1	0.61	1	03/09/09	03/11/09	KWG0901960	
Pyrene	**71**		3.1	0.37	1	03/09/09	03/11/09	KWG0901960	
Benzo(b)fluoranthene	**22**		3.1	0.25	1	03/09/09	03/11/09	KWG0901960	
Benzo(k)fluoranthene	**6.8**		3.1	0.15	1	03/09/09	03/11/09	KWG0901960	
Benz(a)anthracene	**16**		3.1	0.48	1	03/09/09	03/11/09	KWG0901960	
Chrysene	**45**		3.1	0.25	1	03/09/09	03/11/09	KWG0901960	
Benzo(a)pyrene	**9.6**		3.1	0.14	1	03/09/09	03/11/09	KWG0901960	
Indeno(1,2,3-cd)pyrene	**9.2**		3.1	0.16	1	03/09/09	03/11/09	KWG0901960	
Dibenz(a,h)anthracene	**2.8**	J	3.1	0.28	1	03/09/09	03/11/09	KWG0901960	
Benzo(g,h,i)perylene	**11**		3.1	0.64	1	03/09/09	03/11/09	KWG0901960	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	49	10-128	03/11/09	Acceptable
Fluoranthene-d10	62	29-121	03/11/09	Acceptable
Terphenyl-d14	66	24-141	03/11/09	Acceptable

Comments:

Client: Menzies Engineering Group, Inc.
Project: First Bank Site Cleanup-Craig
Sample Matrix: Soil

Service Request: K0901953
Date Collected: NA
Date Received: NA

Polynuclear Aromatic Hydrocarbons

Sample Name: Method Blank
Lab Code: KWG0901960-5

Units: ug/Kg
Basis: Dry

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Naphthalene	**0.60**	J	2.5	0.37	1	03/09/09	03/11/09	KWG0901960	
2-Methylnaphthalene	ND	U	2.5	0.39	1	03/09/09	03/11/09	KWG0901960	
Acenaphthylene	ND	U	2.5	0.24	1	03/09/09	03/11/09	KWG0901960	
Acenaphthene	ND	U	2.5	0.23	1	03/09/09	03/11/09	KWG0901960	
Fluorene	ND	U	2.5	0.50	1	03/09/09	03/11/09	KWG0901960	
Dibenzofuran	ND	U	2.5	0.59	1	03/09/09	03/11/09	KWG0901960	
Phenanthrene	ND	U	2.5	0.75	1	03/09/09	03/11/09	KWG0901960	
Anthracene	ND	U	2.5	0.47	1	03/09/09	03/11/09	KWG0901960	
Fluoranthene	ND	U	2.5	0.61	1	03/09/09	03/11/09	KWG0901960	
Pyrene	ND	U	2.5	0.37	1	03/09/09	03/11/09	KWG0901960	
Benzo(b)fluoranthene	ND	U	2.5	0.25	1	03/09/09	03/11/09	KWG0901960	
Benzo(k)fluoranthene	ND	U	2.5	0.15	1	03/09/09	03/11/09	KWG0901960	
Benz(a)anthracene	ND	U	2.5	0.48	1	03/09/09	03/11/09	KWG0901960	
Chrysene	ND	U	2.5	0.25	1	03/09/09	03/11/09	KWG0901960	
Benzo(a)pyrene	ND	U	2.5	0.14	1	03/09/09	03/11/09	KWG0901960	
Indeno(1,2,3-cd)pyrene	ND	U	2.5	0.16	1	03/09/09	03/11/09	KWG0901960	
Dibenz(a,h)anthracene	ND	U	2.5	0.28	1	03/09/09	03/11/09	KWG0901960	
Benzo(g,h,i)perylene	ND	U	2.5	0.64	1	03/09/09	03/11/09	KWG0901960	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	61	10-128	03/11/09	Acceptable
Fluoranthene-d10	62	29-121	03/11/09	Acceptable
Terphenyl-d14	71	24-141	03/11/09	Acceptable

Comments:

Client: Menzies Engineering Group, Inc.
Project: First Bank Site Cleanup-Craig
Sample Matrix: Soil

Service Request: K0901953

Surrogate Recovery Summary
Polynuclear Aromatic Hydrocarbons

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1	Sur2	Sur3
1	K0901953-001	56	57	64
2	K0901953-003	61	63	71
2-Duplicate	K0901953-004	54	55	62
3	K0901953-005	59	59	65
Stockpile 1-A	K0901953-006	54	64	68
Stockpile 1-B	K0901953-007	55	61	60
Stockpile 2-A	K0901953-008	50	62	64
Stockpile 2-B	K0901953-009	49	62	66
Method Blank	KWG0901960-5	61	62	71
Lab Control Sample	KWG0901960-3	73	73	79
Duplicate Lab Control Sample	KWG0901960-4	67	69	71

Surrogate Recovery Control Limits (%)

Sur1	= Fluorene-d10	10-128
Sur2	= Fluoranthene-d10	29-121
Sur3	= Terphenyl-d14	24-141

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

Client: Menzies Engineering Group, Inc.
Project: First Bank Site Cleanup-Craig
Sample Matrix: Soil

Service Request: K0901953
Date Extracted: 03/09/2009
Date Analyzed: 03/11/2009

Lab Control Spike/Duplicate Lab Control Spike Summary
Polynuclear Aromatic Hydrocarbons

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Units: ug/Kg
Basis: Dry
Level: Low
Extraction Lot: KWG0901960

	Lab Control Sample KWG0901960-3 Lab Control Spike			Duplicate Lab Control Sample KWG0901960-4 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Naphthalene	393	500	79	356	500	71	35-104	10	40
2-Methylnaphthalene	505	500	101	465	500	93	34-110	8	40
Acenaphthylene	399	500	80	357	500	71	46-105	11	40
Acenaphthene	395	500	79	355	500	71	47-104	11	40
Fluorene	414	500	83	372	500	74	52-106	11	40
Dibenzofuran	420	500	84	377	500	75	50-106	11	40
Phenanthrene	382	500	76	353	500	71	48-108	8	40
Anthracene	377	500	75	357	500	71	51-110	6	40
Fluoranthene	402	500	80	379	500	76	54-121	6	40
Pyrene	396	500	79	355	500	71	53-110	11	40
Benzo(b)fluoranthene	432	500	86	390	500	78	51-116	10	40
Benzo(k)fluoranthene	438	500	88	406	500	81	57-114	8	40
Benz(a)anthracene	437	500	87	400	500	80	51-113	9	40
Chrysene	414	500	83	376	500	75	56-112	10	40
Benzo(a)pyrene	465	500	93	425	500	85	53-112	9	40
Indeno(1,2,3-cd)pyrene	470	500	94	440	500	88	42-124	7	40
Dibenz(a,h)anthracene	453	500	91	427	500	85	44-125	6	40
Benzo(g,h,i)perylene	398	500	80	387	500	77	50-115	3	40

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.