



# DATA VALIDATION REPORT

Boeing SSFL RFI Group 8 Data Gap

SAMPLE DELIVERY GROUP: M4-958a

Prepared by

MEC<sup>X</sup>, LLC  
12269 East Vassar Drive  
Aurora, CO 80014

**I. INTRODUCTION**

Task Order Title: Boeing SSFL RFI Group 8 Data Gap  
 Contract Task Order: 1261.500D.08.001  
 Sample Delivery Group: M4-958a  
 Project Manager: Dixie Hambrick  
 Matrix: soil vapor  
 QC Level: V  
 No. of Samples: 5  
 No. of Reanalyses/Dilutions: 0  
 Laboratory: Centrum

**Table 1. Sample Identification**

Sample Name	Lab Sample Name	Sub-Lab Sample name	Matrix Type	Collection Date	Method
FSSV0004S02	M4-958a-01	na	soil vapor	3/5/07	8260B
FSQV0001F01	M4-958a-02	na	soil vapor	3/5/07	8260B
FSSV0005S02	M4-958a-03	na	soil vapor	3/5/07	8260B
FSSV0006S01	M4-958a-04	na	soil vapor	3/5/07	8260B
FSSV0006D02	M4-958a-05	na	soil vapor	3/5/07	8260B

**II. Sample Management**

No anomalies were observed regarding sample management. The samples in this SDG were received at the laboratory intact. The COCs were appropriately signed and dated by field and laboratory personnel. As the samples were couriered directly from the field to the mobile laboratory, custody seals were not required.

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**Data Qualifier Reference Table**


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Qualifier	Organics	Inorganics
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit. The associated value is the quantitation limit or the estimated detection limit for dioxins.	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit. The associated value is the sample detection limit or the quantitation limit for perchlorate only.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.	The associated value is an estimated quantity.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."	Not applicable.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	Not applicable.
UJ	The analyte was not deemed 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.	The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet quality control criteria. The presence or absence of the analyte cannot be verified.	The data are unusable. The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet quality control criteria. The presence or absence of the analyte cannot be verified.

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### Qualification Code Reference Table

Qualifier	Organics	Inorganics
H	Holding times were exceeded.	Holding times were exceeded.
S	Surrogate recovery was outside QC limits.	The sequence or number of standards used for the calibration was incorrect
C	Calibration %RSD or %D was noncompliant.	Correlation coefficient is <0.995.
R	Calibration RRF was <0.05.	%R for calibration is not within control limits.
B	Presumed contamination as indicated by the preparation (method) blank results.	Presumed contamination as indicated by the preparation (method) or calibration blank results.
L	Laboratory Blank Spike/Blank Spike Duplicate %R was not within control limits.	Laboratory Control Sample %R was not within control limits.
Q	MS/MSD recovery was poor or RPD high.	MS recovery was poor.
E	Not applicable.	Duplicates showed poor agreement.
I	Internal standard performance was unsatisfactory.	ICP ICS results were unsatisfactory.
A	Not applicable.	ICP Serial Dilution %D were not within control limits.
M	Tuning (BFB or DFTPP) was noncompliant.	Not applicable.
T	Presumed contamination as indicated by the trip blank results.	Not applicable.
+	False positive – reported compound was not present. Not applicable.	
-	False negative – compound was present but not reported.	Not applicable.
F	Presumed contamination as indicated by the FB or ER results.	Presumed contamination as indicated by the FB or ER results.
\$	Reported result or other information was incorrect.	Reported result or other information was incorrect.
?	TIC identity or reported retention time has been changed.	Not applicable.

**Qualification Code Reference Table Cont.**

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D	The analysis with this flag should not be used because another more technically sound analysis is available.	The analysis with this flag should not be used because another more technically sound analysis is available.
P	Instrument performance for pesticides was poor.	Post Digestion Spike recovery was not within control limits.
DNQ	The reported result is above the method detection limit but is less than the reporting limit.	The reported result is above the method detection limit but is less than the reporting limit.
*II, *III	Unusual problems found with the data that have been described in Section II, "Sample Management," or Section III, "Method Analyses." The number following the asterisk (*) will indicate the report section where a description of the problem can be found.	Unusual problems found with the data that have been described in Section II, "Sample Management," or Section III, "Method Analyses." The number following the asterisk (*) will indicate the report section where a description of the problem can be found.

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## A. EPA METHOD 8260B—Volatile Organic Compounds (VOCs) in Soil Vapor

Reviewed By: P. Meeks

Date Reviewed: April 2, 2007

The samples listed in Table 1 for this analysis were validated based on the guidelines outlined in the MEC<sup>X</sup> *Data Validation Procedure for Volatile Organics (DVP-2, Rev. 0)*, *EPA Method 8260B, Interim Guidance for Active Soil Gas Investigations*, State of California Regional Water Quality Control Board - Los Angeles Region (LARWQCB, 1997), *Advisory – Active Soil Gas Investigations*, LARWQCB and Department of Toxic Substance Control (2003), and the *National Functional Guidelines for Organic Data Review (2/94)*.

- Holding Times: Analytical holding times were met. The samples bulbs were analyzed within 4 hours of collection.
- GC/MS Tuning: The BFB tunes met the method abundance criteria. Samples were analyzed within 12 hours of the BFB injection time.
- Calibration: Calibration criteria were met. Initial calibration %RSDs were  $\leq 20\%$  and  $\leq 30\%$  for trichlorofluoromethane, dichlorodifluoromethane, trichlorotrifluoromethane, chloroethane, and vinyl chloride. The chloroethane %D exceeded the control limit at 15.2%; therefore, nondetected chloroethane in the site samples was qualified as estimated, "UJ," unless otherwise rejected. The remaining continuing calibration %Ds were  $\leq 15\%$  and  $\leq 25\%$  for trichlorofluoromethane, dichlorodifluoromethane, trichlorotrifluoromethane, chloroethane, and vinyl chloride.
- Blanks: The ambient air method blank had no target compound detects above the CRDL. This blank is best associated with the site and date of collection but is also a measure of bulb contamination and was, therefore, associated with all samples in this SDG.
- Surrogate Recovery: One surrogate was recovered above the control limit in sample FSSV0004S02; however, as there were no target compounds detected in the sample, no qualifications were required. All remaining recoveries were within LARWQCB method-established control limits of 75-125%.
- Blank Spikes and Laboratory Control Samples: The mobile laboratory analyzed two LCS samples for this SDG. For the reporting limit level LCS, all recoveries were at least 50%. For the 50 ug/L LCS, the 1,1-dichloroethene %D exceeded the control limit at 15.2%; therefore, nondetected chloroethane in the site samples was qualified as estimated, "UJ," unless otherwise rejected. All remaining %Ds were within the control limits of  $\leq 20\%$  and  $\leq 30\%$  for trichlorofluoromethane, dichlorodifluoromethane, trichlorotrifluoromethane, chloroethane, and vinyl chloride.
- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples.

Following are findings associated with field QC samples:

- Field Blanks: One field blank, FSQV0001F01, was analyzed in this SDG. No target compounds were reported in the field blank.
- Field Duplicates: Samples FSSV0006S01 and FSSV0006D01 were identified as field duplicates. There were no reportable target compounds in either of the field duplicate samples.
- Compound Identification: Compound identification was verified based on retention times only. Per previous conversations with the analyst, compounds crossed out in the mass spectrometer raw data and annotated with, "ID," refer to compounds reported by the instrument but which lacked a spectral match.
- Compound Quantification and Reported Detection Limits: The COC noted that the flow for samples FSSV0005S02 dropped to zero after four minutes. As there was no flow, sample FSSV0005S02 was not considered to be representative of the vapor in the formation and all results were therefore rejected, "R." Compound quantification was verified from the raw data. Reported nondetects are valid to the reporting limit.

**ANALYTICAL RESULT FOR ORGANICS**

METHOD: GCMS

REPORTING UNIT: µg/L of Air

DATE ANALYZED		03/05/07	03/05/07	03/05/07	03/05/07	03/05/07	
ANALYTICAL BATCH		030507M4V1554	030507M4V1554	030507M4V1554	030507M4V1554	030507M4V1554	
LAB SAMPLE I.D.		Amb. Blank	M4-958a-01	M4-958a-02	M4-958a-03	M4-958a-04	
CLIENT SAMPLE I.D.		NA	FSSV0004S02	FSQV0001F01	FSSV0005S02	FSSV0006S01	
DEPTH		NA	8'	NA	10'	4'	
EPA ID		NA	NA	NA	NA	NA	
DILUTION FACTOR		1	1	1	1	1	
COMPOUND	CRDL						
Benzene	1.0	ND *	ND U	ND U	ND R/*III	ND U	
Carbon tetrachloride	1.0	ND	ND ↓	ND ↓	ND	ND ↓	
Chloroethane	1.0	ND	ND U/c	ND U/c	ND	ND U/c	
Chloroform	1.0	ND	ND U	ND U	ND	ND U	
Dichlorodifluoromethane	1.0	ND	ND	ND	ND	ND	
1,1-Dichloroethane	1.0	ND	ND ↓	ND ↓	ND	ND ↓	
1,2-Dichloroethane	1.0	ND	ND ↓	ND ↓	ND	ND ↓	
1,1-Dichloroethene	1.0	ND	ND U/L	ND U/L	ND	ND U/L	
cis-1,2-Dichloroethene	1.0	ND	ND U	ND U	ND	ND U	
trans-1,2-Dichloroethene	1.0	ND	ND	ND	ND	ND	
Ethylbenzene	1.0	ND	ND	ND	ND	ND	
Methylene chloride	50	ND	ND	ND	ND	ND	
1,1,1,2-Tetrachloroethane	1.0	ND	ND	ND	ND	ND	
1,1,1,2-Tetrachloroethane	2.0	ND	ND	ND	ND	ND	
Tetrachloroethene	1.0	ND	ND	ND	ND	ND	
Toluene	1.0	ND	ND	ND	ND	ND	
1,1,1-Trichloroethane	1.0	ND	ND	ND	ND	ND	
1,1,2-Trichloroethane	1.0	ND	ND	ND	ND	ND	
Trichloroethene	1.0	ND	ND	ND	ND	ND	
Trichlorofluoromethane	1.0	ND	ND	ND	ND	ND	
Trichlorotrifluoroethane	5.0	ND	ND	ND	ND	ND	
Vinyl chloride	2.0	ND	ND	ND	ND	ND	
Xylenes, m-,p-	2.0	ND	ND	ND	ND	ND	
Xylene, o-	1.0	ND ↓	ND ↓	ND ↓	ND ↓	ND ↓	
TRACER COMPOUND							
Isopropanol		10	ND	ND	ND	ND	ND
SURROGATE	SPK CONC	ACP%	%RC	%RC	%RC	%RC	%RC
d-Methylene Chloride	50	70-130	107	119	115	113	113
d-Chloroform	50	70-130	108	120	115	111	113
d-Benzene	50	70-130	116	127	121	116	119
Dibromofluoromethane	50	70-130	98	98	97	100	100
Toluene-d8	50	70-130	99	99	100	98	99
Bromofluorobenzene	50	70-130	101	99	100	98	98

\* Analysis not validated

PM 4/4/07

LEVEL V



Project No: Boeing SSFL / 1891263.011181 / 1891264.011181

(RWQCB labFrom 10A; Ver6/00)

**ANALYTICAL RESULT FOR ORGANICS**

METHOD: GCMS

REPORTING UNIT: µg/L of Air

DATE ANALYZED		03/05/07					
ANALYTICAL BATCH		030507M4V1554					
LAB SAMPLE I.D.		M4-958a-05					
CLIENT SAMPLE I.D.		FSSV0006D01					
DEPTH		4'					
EPA ID		NA					
DILUTION FACTOR		1					
<b>COMPOUND</b>		<b>CRDL</b>					
Benzene	1.0	ND	U				
Carbon tetrachloride	1.0	ND	↓				
Chloroethane	1.0	ND	U3/L				
Chloroform	1.0	ND	U				
Dichlorodifluoromethane	1.0	ND					
1,1-Dichloroethane	1.0	ND					
1,2-Dichloroethane	1.0	ND	↓				
1,1-Dichloroethene	1.0	ND	U3/L				
cis-1,2-Dichloroethene	1.0	ND	U				
trans-1,2-Dichloroethene	1.0	ND					
Ethylbenzene	1.0	ND					
Methylene chloride	50	ND					
1,1,1,2-Tetrachloroethane	1.0	ND					
1,1,2,2-Tetrachloroethane	2.0	ND					
Tetrachloroethene	1.0	ND					
Toluene	1.0	ND					
1,1,1-Trichloroethane	1.0	ND					
1,1,2-Trichloroethane	1.0	ND					
Trichloroethene	1.0	ND					
Trichlorofluoromethane	1.0	ND					
Trichlorotrifluoroethane	5.0	ND					
Vinyl chloride	2.0	ND					
Xylenes, m-,p-	2.0	ND					
Xylene, o-	1.0	ND	↓				
<b>TRACER COMPOUND</b>							
Isopropanol		10	ND				
<b>SURROGATE</b>	<b>SPK CONC</b>	<b>ACP%</b>	<b>%RC</b>				
d-Methylene Chloride	50	70-130	113				
d-Chloroform	50	70-130	114				
d-Benzene	50	70-130	117				
Dibromofluoromethane	50	70-130	98				
Toluene-d8	50	70-130	99				
Bromofluorobenzene	50	70-130	99				

LEVEL V



# DATA VALIDATION REPORT

Boeing SSFL RFI Group 8 Data Gap

SAMPLE DELIVERY GROUP: M4-961c

Prepared by

MEC<sup>X</sup>, LLC  
12269 East Vassar Drive  
Aurora, CO 80014

## I. INTRODUCTION

Task Order Title: Boeing SSFL RFI Group 8 Data Gap  
Contract Task Order: 1261.500D.08.001  
Sample Delivery Group: M4-961c  
Project Manager: Dixie Hambrick  
Matrix: soil vapor  
QC Level: V  
No. of Samples: 1  
No. of Reanalyses/Dilutions: 0  
Laboratory: Centrum

**Table 1. Sample Identification**

Sample Name	Lab Sample Name	Sub-Lab Sample name	Matrix Type	Collection Date	Method
FSSV0005S01	M4-961c-01	na	soil vapor	3/8/07	8260B

## II. Sample Management

No anomalies were observed regarding sample management. The sample in this SDG was received at the laboratory intact. The COC was appropriately signed and dated by field and laboratory personnel. As the sample was couriered directly from the field to the mobile laboratory, custody seals were not required.

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### Data Qualifier Reference Table

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Qualifier	Organics	Inorganics
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit. The associated value is the quantitation limit or the estimated detection limit for dioxins.	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit. The associated value is the sample detection limit or the quantitation limit for perchlorate only.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.	The associated value is an estimated quantity.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."	Not applicable.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	Not applicable.
UJ	The analyte was not deemed 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.	The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet quality control criteria. The presence or absence of the analyte cannot be verified.	The data are unusable. The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet quality control criteria. The presence or absence of the analyte cannot be verified.

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### Qualification Code Reference Table

Qualifier	Organics	Inorganics
H	Holding times were exceeded.	Holding times were exceeded.
S	Surrogate recovery was outside QC limits.	The sequence or number of standards used for the calibration was incorrect
C	Calibration %RSD or %D was noncompliant.	Correlation coefficient is <0.995.
R	Calibration RRF was <0.05.	%R for calibration is not within control limits.
B	Presumed contamination as indicated by the preparation (method) blank results.	Presumed contamination as indicated by the preparation (method) or calibration blank results.
L	Laboratory Blank Spike/Blank Spike Duplicate %R was not within control limits.	Laboratory Control Sample %R was not within control limits.
Q	MS/MSD recovery was poor or RPD high.	MS recovery was poor.
E	Not applicable.	Duplicates showed poor agreement.
I	Internal standard performance was unsatisfactory.	ICP ICS results were unsatisfactory.
A	Not applicable.	ICP Serial Dilution %D were not within control limits.
M	Tuning (BFB or DFTPP) was noncompliant.	Not applicable.
T	Presumed contamination as indicated by the trip blank results.	Not applicable.
+	False positive – reported compound was not present. Not applicable.	
-	False negative – compound was present but not reported.	Not applicable.
F	Presumed contamination as indicated by the FB or ER results.	Presumed contamination as indicated by the FB or ER results.
\$	Reported result or other information was incorrect.	Reported result or other information was incorrect.
?	TIC identity or reported retention time has been changed.	Not applicable.

**Qualification Code Reference Table Cont.**

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D	The analysis with this flag should not be used because another more technically sound analysis is available.	The analysis with this flag should not be used because another more technically sound analysis is available.
P	Instrument performance for pesticides was poor.	Post Digestion Spike recovery was not within control limits.
DNQ	The reported result is above the method detection limit but is less than the reporting limit.	The reported result is above the method detection limit but is less than the reporting limit.
*II, *III	Unusual problems found with the data that have been described in Section II, "Sample Management," or Section III, "Method Analyses." The number following the asterisk (*) will indicate the report section where a description of the problem can be found.	Unusual problems found with the data that have been described in Section II, "Sample Management," or Section III, "Method Analyses." The number following the asterisk (*) will indicate the report section where a description of the problem can be found.

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## A. EPA METHOD 8260B—Volatile Organic Compounds (VOCs) in Soil Vapor

Reviewed By: P. Meeks

Date Reviewed: April 2, 2007

The sample listed in Table 1 for this analysis was validated based on the guidelines outlined in the MEC<sup>X</sup> *Data Validation Procedure for Volatile Organics (DVP-2, Rev. 0)*, *EPA Method 8260B, Interim Guidance for Active Soil Gas Investigations*, State of California Regional Water Quality Control Board - Los Angeles Region (LARWQCB, 1997), *Advisory – Active Soil Gas Investigations*, LARWQCB and Department of Toxic Substance Control (2003), and the *National Functional Guidelines for Organic Data Review (2/94)*.

- Holding Times: Analytical holding times were met. The sample bulb was analyzed within 4 hours of collection.
- GC/MS Tuning: The BFB tunes met the method abundance criteria. The sample was analyzed within 12 hours of the BFB injection time.
- Calibration: Calibration criteria were met. Initial calibration %RSDs were  $\leq 20\%$  and  $\leq 30\%$  for trichlorofluoromethane, dichlorodifluoromethane, trichlorotrifluoromethane, chloroethane, and vinyl chloride. The continuing calibration %Ds were  $\leq 15\%$  and  $\leq 25\%$  for trichlorofluoromethane, dichlorodifluoromethane, trichlorotrifluoromethane, chloroethane, and vinyl chloride.
- Blanks: The ambient air method blank had no target compound detects above the CRDL. This blank is best associated with the site and date of collection but is also a measure of bulb contamination and was, therefore, associated with the sample in this SDG.
- Surrogate Recovery: All recoveries were within LARWQCB method-established control limits of 75-125%.
- Blank Spikes and Laboratory Control Samples: The mobile laboratory analyzed one LCS sample for this SDG. For the 50 ug/L LCS, the %Ds were within the control limits of  $\leq 20\%$  and  $\leq 30\%$  for trichlorofluoromethane, dichlorodifluoromethane, trichlorotrifluoromethane, chloroethane, and vinyl chloride.
- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site sample. Following are findings associated with field QC samples:
  - Field Blanks: There was no field blank associated with this SDG.
  - Field Duplicates: There were no field duplicate samples identified in this SDG.

- **Compound Identification:** Compound identification was verified based on retention times only. Per previous conversations with the analyst, compounds crossed out in the mass spectrometer raw data and annotated with, "ID," refer to compounds reported by the instrument but which lacked a spectral match.
- **Compound Quantification and Reported Detection Limits:** Compound quantification was verified from the raw data. Reported nondetects are valid to the reporting limit.

**ANALYTICAL RESULT FOR ORGANICS**

METHOD: GCMS

REPORTING UNIT: µg/L of Air

DATE ANALYZED		03/08/07	03/08/07			
ANALYTICAL BATCH		030807M4V1557	030807M4V1557			
LAB SAMPLE I.D.		Amb. Blank	M4-961c-01			
CLIENT SAMPLE I.D.		NA	FSSV0005S01			
DEPTH		NA	5'			
EPA ID		NA	NA			
DILUTION FACTOR		1	1			
COMPOUND	CRDL					
Benzene	1.0	ND *	ND U			
Carbon tetrachloride	1.0	ND	ND			
Chloroethane	1.0	ND	ND			
Chloroform	1.0	ND	ND			
Dichlorodifluoromethane	1.0	ND	ND			
1,1-Dichloroethane	1.0	ND	ND			
1,2-Dichloroethane	1.0	ND	ND			
1,1-Dichloroethene	1.0	ND	ND			
cis-1,2-Dichloroethene	1.0	ND	ND			
trans-1,2-Dichloroethene	1.0	ND	ND			
Ethylbenzene	1.0	ND	ND			
Methylene chloride	50	ND	ND			
1,1,1,2-Tetrachloroethane	1.0	ND	ND			
1,1,2,2-Tetrachloroethane	2.0	ND	ND			
Tetrachloroethene	1.0	ND	ND			
Toluene	1.0	ND	ND			
1,1,1-Trichloroethane	1.0	ND	ND			
1,1,2-Trichloroethane	1.0	ND	ND			
Trichloroethene	1.0	ND	ND			
Trichlorofluoromethane	1.0	ND	ND			
Trichlorotrifluoroethane	5.0	ND	ND			
Vinyl chloride	2.0	ND	ND			
Xylenes, m-,p-	2.0	ND	ND			
Xylene, o-	1.0	ND ↓	ND ↓			
TRACER COMPOUND						
Isopropanol		10	ND	ND		
SURROGATE	SPK CONC	ACP%	%RC	%RC		
d-Methylene Chloride	50	70-130	115	113		
d-Chloroform	50	70-130	116	111		
d-Benzene	50	70-130	124	112		
Dibromofluoromethane	50	70-130	99	100		
Toluene-d8	50	70-130	99	100		
Bromofluorobenzene	50	70-130	100	101		

\* Analysis not validated

LEVEL V



550 South Wadsworth Boulevard, Suite 500, Lakewood, CO 80026  
303.935.6505, Fax 303.935.6575

## DATA ASSESSMENT FORM

Project Title: Rocketdyne SSFL RFI  
Project Manager: D. Hambrick  
Analysis/Method: Volatiles by 8260B  
QC Level: V<sup>1</sup>  
SDG: M4-251  
Matrix: Soil Vapor  
No. of Samples: 16  
Date Reviewed: October 29, 2001  
Reviewer: P. Meeks  
Reference: USEPA Contract Laboratory Program National Functional Guidelines For Organic Data Review, (Feb. 1994), and Interim Guidance For Active Soil Gas Investigation, State of California Regional Water Quality Control Board (LA Region).  
Samples Reviewed: RW343, RW344, RW345, RW346, RW347, RW348, RW349, RW350, RW351, RW352, RW353, RW354, RW355, RW356, RW357, RW358

### Data Validation Findings

	Findings	Qualifications
1. <u>Sample Management</u>	The samples were accounted for on the COCs and the eight-hour holding time was met for all samples, with the following exceptions: RW349 - tetrachloroethene RW350 - tetrachloroethene	The reported results for tetrachloroethene in samples RW349 and RW350 were qualified as estimated, "J."
3. <u>Method Blanks</u>	Six method blanks were analyzed with this SDG; however, the laboratory provided only data for three blanks. Only one blank was reported on the Form I. There were no target compounds reported in the method blanks.	No qualifications were required.
6. <u>Surrogates</u>	All samples analyzed in this SDG had surrogate recoveries within the control limits of 75-125%.	No qualifications were required.

	Findings	Qualifications
7. <u>Calibration</u>	<p>The %RSDs for the initial calibration analyzed on 04/23/01 were all less than the control limit of 20%, or 30% where applicable.</p> <p>The %Ds for the calibration verification standard analyzed on 04/23/01 were all less than the control limit of 15%, or 25% where applicable, with the following exception:            1,1,2,2-tetrachloroethane = -21.9%</p>	<p>1,1,2,2-Tetrachloroethane reported in sample RW356 was qualified as estimated, "J," and the nondetected results for 1,1,2,2-tetrachloroethane in the remaining site samples were qualified as estimated, "UJ."</p>
10. <u>Other</u>	<p>Methylene chloride detected in samples RW343, RW346, and RW251-RW358 were removed by the analyst. In each case, the undated and uninitialed notation in the raw data was "ID." Previous telephone conversations with the analyst indicated that the notation "ID," refers to the lack of a spectral match.</p> <p>Samples RW347 and RW348 were identified as field duplicate samples. Tetrachloroethene was reported in the both samples with an RPD of 81.3%.</p> <p>The samples in this SDG were associated with field blank RW148 (SDG: M4-220). No target compounds were reported in RW148.</p> <p>Tetrachloroethene in samples RW343 was reported from a 10× dilution, and reported from 5× dilutions for samples RW349 and RW350. The reporting limits did not reflect these dilutions.</p>	<p>No qualifications were required.</p>
<u>Comments</u>	None	None

<sup>1</sup> Level V validation consists of cursory review of the summary forms only. The reported values on the summary forms are presumed to be correct and no verification of the values from the raw instrument output is performed.

**ANALYTICAL TEST RESULTS**

Reporting Unit: ug/L

DATE ANALYZED		04/23/01	04/23/01	04/23/01	04/23/01	
ANALYTICAL BATCH		042301M4V431	042301M4V431	042301M4V431	042301M4V431	
DILUTION FACTOR		1.0	1.0	1.0	1.0	
CLIENT SAMPLE I.D.		NA	BISV12S01	BISV12S02	BISV17S01	
EPA I.D. & DEPTH		NA	RW343 6'	RW344 12'	RW345 5'	
LAB SAMPLE I.D.		Blank	M4-251-01	M4-251-02	M4-251-03	
COMPOUND	RL					
Dichlorodifluoromethane	1.0	ND	ND U	ND U	ND U	
Vinyl Chloride	1.0	ND	ND	ND	ND	
Chloroethane	1.0	ND	ND	ND	ND	
Trichlorofluoromethane	1.0	ND	ND	ND	ND	
1,1-Dichloroethene	1.0	ND	ND	ND	ND	
Methylene Chloride	20	ND	ND	ND	ND	
cis-1,2-Dichloroethene	1.0	ND	ND	ND	ND	
1,1-Dichloroethane	1.0	ND	ND	ND	ND	
trans-1,2-Dichloroethene	1.0	ND	ND	ND	ND	
Chloroform	1.0	ND	ND	ND	ND	
1,1,1-Trichloroethane	1.0	ND	ND	ND	ND	
Carbon Tetrachloride	1.0	ND	ND	ND	ND	
1,2-Dichloroethane	1.0	ND	ND	ND	ND	
Benzene	1.0	ND	ND	ND	ND	
Trichloroethene	1.0	ND	1.1	ND	ND	
Toluene	1.0	ND	ND U	ND	ND	
1,1,2-Trichloroethane	1.0	ND	ND U	ND	ND	
Tetrachloroethene	1.0	ND	1,600	91	9.7	
Ethylbenzene	1.0	ND	ND U	ND U	ND U	
1,1,1,2-Tetrachloroethane	1.0	ND	ND	ND	ND	
m,p-Xylenes	2.0	ND	ND	ND	ND	
o-Xylene	1.0	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	1.0	ND	ND w/c	ND w/c	ND w/c	
1,1,2-Trichloro-trifluoroethane	5.0	ND	ND w/c	ND w/c	ND w/c	
SURROGATE	SPK CONC	ACP%	%REC	%REC	%REC	%REC
d-Methylene Chloride	25	75-125	104	83	116	104
d-Chloroform	25	75-125	102	81	112	109
d-Benzene	25	75-125	104	87	117	109
Dibromofluoromethane	50	75-125	100	101	102	97
Toluene-d8	50	75-125	100	101	104	99
Bromofluorobenzene	50	75-125	96	96	95	97

SPK CONC = Spiking Concentration; ACP % = Acceptable Range of Percent; %REC = % Recovery  
 RL = Reporting Limit; MB = Method Blank; ND = Not Detected (Below RL); NA = Not Applicable

*DM 10/30/01*

**AMEC VALIDATED**  
**LEVEL V**

**ANALYTICAL TEST RESULTS**

Reporting Unit: ug/L

DATE ANALYZED		04/23/01	04/23/01	04/23/01	04/23/01	
ANALYTICAL BATCH		042301M4V431	042301M4V431	042301M4V431	042301M4V431	
DILUTION FACTOR		1.0	1.0	1.0	1.0	
CLIENT SAMPLE I.D.		BISV17S02	BISV17S03	BISV17D03	BISV18S01	
EPA I.D. & DEPTH		RW346 10'	RW347 15'	RW348 15'	RW349 6'	
LAB SAMPLE I.D.		M4-251-04	M4-251-05	M4-251-06	M4-251-07	
COMPOUND	RL	Raw Qual	Raw Code	Raw Qual	Raw Code	
Dichlorodifluoromethane	1.0	ND U	ND U	ND U	ND U	
Vinyl Chloride	1.0	ND	ND	ND	ND	
Chloroethane	1.0	ND	ND	ND	ND	
Trichlorofluoromethane	1.0	ND	ND	ND	ND	
1,1-Dichloroethene	1.0	ND	ND	ND	ND	
Methylene Chloride	20	ND	ND	ND	ND	
cis-1,2-Dichloroethene	1.0	ND	ND	ND	ND	
1,1-Dichloroethane	1.0	ND	ND	ND	ND	
trans-1,2-Dichloroethene	1.0	ND	ND	ND	ND	
Chloroform	1.0	ND	ND	ND	ND	
1,1,1-Trichloroethane	1.0	ND	ND	ND	ND	
Carbon Tetrachloride	1.0	ND	ND	ND	ND	
1,2-Dichloroethane	1.0	ND	ND	ND	ND	
Benzene	1.0	ND	ND	ND	ND	
Trichloroethene	1.0	ND	ND	ND	ND	
Toluene	1.0	ND	ND	ND	ND	
1,1,2-Trichloroethane	1.0	ND	ND	ND	ND	
Tetrachloroethene	1.0	180	19	45	210	
Ethylbenzene	1.0	ND U	ND U	ND U	ND U	
1,1,1,2-Tetrachloroethane	1.0	ND	ND	ND	ND	
m,p-Xylenes	2.0	ND	ND	ND	ND	
o-Xylene	1.0	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	1.0	ND	ND	ND	ND	
1,1,2-Trichloro-trifluoroethane	5.0	ND	ND	ND	ND	
SURROGATE	SPK CONC	ACP%	%REC	%REC	%REC	%REC
d-Methylene Chloride	25	75-125	114	111	111	119
d-Chloroform	25	75-125	106	107	109	108
d-Benzene	25	75-125	115	110	114	111
Dibromofluoromethane	50	75-125	101	105	99	101
Toluene-d8	50	75-125	110	104	100	99
Bromofluorobenzene	50	75-125	95	102	97	101

SPK CONC = Spiking Concentration; ACP % = Acceptable Range of Percent; %REC = % Recovery

RL = Reporting Limit; MB = Method Blank; ND = Not Detected (Below RL); NA = Not Applicable

PM 10/30/01

**AMEC VALIDATED**  
**LEVEL V**

**ANALYTICAL TEST RESULTS**

Reporting Unit: ug/L

DATE ANALYZED		04/23/01	04/23/01	04/23/01	04/23/01	
ANALYTICAL BATCH		042301M4V431	042301M4V431	042301M4V431	042301M4V431	
DILUTION FACTOR		1.0	1.0	1.0	1.0	
CLIENT SAMPLE I.D.		BISV18S02	ESSV03S01	ESSV04S01	ECSV23S01	
EPA I.D. & DEPTH		RW350 12'	RW351 15'	RW352 10'	RW353 5'	
LAB SAMPLE I.D.		M4-251-08	M4-251-09	M4-251-10	M4-251-11	
COMPOUND	RL	Qual	Qual	Qual	Qual	
Dichlorodifluoromethane	1.0	ND U	ND U	ND U	ND U	
Vinyl Chloride	1.0	ND	ND	ND	ND	
Chloroethane	1.0	ND	ND	ND	ND	
Trichlorofluoromethane	1.0	ND	ND	ND	ND	
1,1-Dichloroethene	1.0	ND	ND	ND	ND	
Methylene Chloride	20	ND	ND	ND	ND	
cis-1,2-Dichloroethene	1.0	ND	ND	ND	ND	
1,1-Dichloroethane	1.0	ND	ND	ND	ND	
trans-1,2-Dichloroethene	1.0	ND	ND	ND	ND	
Chloroform	1.0	ND	ND	ND	ND	
1,1,1-Trichloroethane	1.0	ND	ND	ND	ND	
Carbon Tetrachloride	1.0	ND	ND	ND	ND	
1,2-Dichloroethane	1.0	ND	ND	ND	ND	
Benzene	1.0	ND	ND	ND	ND	
Trichloroethene	1.0	ND	ND	ND	ND	
Toluene	1.0	ND	ND	ND	ND	
1,1,2-Trichloroethane	1.0	ND ↓	ND ↓	ND ↓	ND ↓	
Tetrachloroethene	1.0	190 J H	3.4	1.8	1.6	
Ethylbenzene	1.0	ND U	ND U	ND U	ND U	
1,1,1,2-Tetrachloroethane	1.0	ND	ND	ND	ND	
m,p-Xylenes	2.0	ND	ND	ND	ND	
o-Xylene	1.0	ND ↓	ND ↓	ND ↓	ND ↓	
1,1,2,2-Tetrachloroethane	1.0	ND work C	ND work C	ND work C	ND work C	
1,1,2-Trichloro-trifluoroethane	5.0	ND work C	ND work C	ND work C	ND work C	
SURROGATE	SPK CONC	ACP%	%REC	%REC	%REC	%REC
d-Methylene Chloride	25	75-125	114	112	122	118
d-Chloroform	25	75-125	106	98	110	107
d-Benzene	25	75-125	110	103	113	113
Dibromofluoromethane	50	75-125	99	105	105	102
Toluene-d8	50	75-125	97	101	101	101
Bromofluorobenzene	50	75-125	96	96	97	96

SPK CONC = Spiking Concentration; ACP % = Acceptable Range of Percent; %REC = % Recovery

RL = Reporting Limit; MB = Method Blank; ND = Not Detected (Below RL); NA = Not Applicable

*Pm 10/30/01*

**AMEC VALIDATED**  
**LEVEL V**

**ANALYTICAL TEST RESULTS**

Reporting Unit: ug/L

DATE ANALYZED		04/23/01	04/23/01	04/23/01	04/23/01	
ANALYTICAL BATCH		042301M4V431	042301M4V431	042301M4V431	042301M4V431	
DILUTION FACTOR		1.0	1.0	1.0	1.0	
CLIENT SAMPLE I.D.		ECSV24S01	ECSV22S01	ECSV19S01	ECSV25S01	
EPA I.D. & DEPTH		RW354 5'	RW355 3'	RW356 5'	RW357 5'	
LAB SAMPLE I.D.		M4-251-12	M4-251-13	M4-251-14	M4-251-15	
COMPOUND	RL	Qual	Qual	Qual	Qual	
Dichlorodifluoromethane	1.0	ND U	ND U	ND U	28	
Vinyl Chloride	1.0	ND	ND	ND	56	
Chloroethane	1.0	ND	ND	ND	ND U	
Trichlorofluoromethane	1.0	ND	ND	ND	ND	
1,1-Dichloroethene	1.0	ND	ND	ND	ND	
Methylene Chloride	20	ND	ND	ND	ND	
cis-1,2-Dichloroethene	1.0	ND	ND	ND	ND	
1,1-Dichloroethane	1.0	ND	ND	ND	1.8	
trans-1,2-Dichloroethene	1.0	ND	ND	ND	ND U	
Chloroform	1.0	ND	ND	ND	ND	
1,1,1-Trichloroethane	1.0	ND	ND	ND	ND	
Carbon Tetrachloride	1.0	ND	ND	ND	ND	
1,2-Dichloroethane	1.0	ND	ND	ND	ND	
Benzene	1.0	ND	ND	ND	1.2	
Trichloroethene	1.0	ND	ND	ND	ND U	
Toluene	1.0	ND	ND	ND	97	
1,1,2-Trichloroethane	1.0	ND	ND	ND	ND U	
Tetrachloroethene	1.0	ND	ND	ND	ND	
Ethylbenzene	1.0	ND	ND	ND	ND	
1,1,1,2-Tetrachloroethane	1.0	ND	ND	ND	ND	
m,p-Xylenes	2.0	ND	ND	ND	ND	
o-Xylene	1.0	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	1.0	ND <i>work</i>	ND <i>work</i>	ND <i>work</i>	ND <i>work</i>	
1,1,2-Trichloro-trifluoroethane	5.0	ND <i>work</i>	ND <i>work</i>	6.3 <i>work</i>	ND <i>work</i>	
SURROGATE	SPK CONC	ACP%	%REC	%REC	%REC	%REC
d-Methylene Chloride	25	75-125	119	123	122	121
d-Chloroform	25	75-125	106	111	113	111
d-Benzene	25	75-125	113	112	117	111
Dibromofluoromethane	50	75-125	105	103	104	105
Toluene-d8	50	75-125	103	103	103	101
Bromofluorobenzene	50	75-125	96	90	97	99

SPK CONC = Spiking Concentration; ACP % = Acceptable Range of Percent; %REC = % Recovery

RL = Reporting Limit; MB = Method Blank; ND = Not Detected (Below RL); NA = Not Applicable

*pm 10/30/01*

**AMEC VALIDATED**

**LEVEL V**



**ANALYTICAL TEST RESULTS**

Reporting Unit: ug/L

DATE ANALYZED		04/23/01			
ANALYTICAL BATCH		042301M4V431			
DILUTION FACTOR		1.0			
CLIENT SAMPLE I.D.		ECSV27S01			
EPA I.D. & DEPTH		RW358 6'			
LAB SAMPLE I.D.		M4-251-16			
COMPOUND	RL			Qual	Code
Dichlorodifluoromethane	1.0	1.4			
Vinyl Chloride	1.0	1.6			
Chloroethane	1.0	ND	U		
Trichlorofluoromethane	1.0	ND			
1,1-Dichloroethene	1.0	ND			
Methylene Chloride	20	ND			
cis-1,2-Dichloroethene	1.0	ND			
1,1-Dichloroethane	1.0	ND			
trans-1,2-Dichloroethene	1.0	ND			
Chloroform	1.0	ND			
1,1,1-Trichloroethane	1.0	ND			
Carbon Tetrachloride	1.0	ND			
1,2-Dichloroethane	1.0	ND			
Benzene	1.0	ND			
Trichloroethene	1.0	ND			
Toluene	1.0	3.7			
1,1,2-Trichloroethane	1.0	ND	U		
Tetrachloroethene	1.0	ND			
Ethylbenzene	1.0	ND			
1,1,1,2-Tetrachloroethane	1.0	ND			
m,p-Xylenes	2.0	ND			
o-Xylene	1.0	ND			
1,1,2,2-Tetrachloroethane	1.0	ND	U		
1,1,2-Trichloro-trifluoroethane	5.0	ND	U		
SURROGATE	SPK CONC	ACP%	%REC		
d-Methylene Chloride	25	75-125	119		
d-Chloroform	25	75-125	108		
d-Benzene	25	75-125	110		
Dibromofluoromethane	50	75-125	101		
Toluene-d8	50	75-125	101		
Bromofluorobenzene	50	75-125	94		

SPK CONC = Spiking Concentration; ACP % = Acceptable Range of Percent; %REC = % Recovery

RL = Reporting Limit; MB = Method Blank; ND = Not Detected (Below RL); NA = Not Applicable

PM 10/30/01

**AMEC VALIDATED**  
**LEVEL V**

## **SURFACE WATER**

**SURFACE WATER CASE NARRATIVES AND COCS**

T.500A111



# Centrum Analytical Laboratories, Inc.

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

Client: Ogden  
5510 Morehouse Drive  
San Diego, CA 92121

Date Sampled: 05/08/00  
Date Received: 05/10/00  
Job Number: 16423

Project: Rocketdyne

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## CASE NARRATIVE

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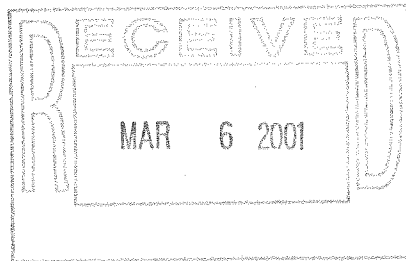
The following information applies to samples which were received on 05/10/00 :

The samples were received at the laboratory chilled and sample containers were intact.

The Perchlorate analysis was subcontracted to ELAP Lab #1132. The original report is attached to, but is not part of, this report.

The Metals analyses were subcontracted to ELAP Lab #1230. The original report is attached to, but is not part of, this report.

Unless otherwise noted below, the Quality Control acceptance criteria were met for all samples for every analysis requested.



Report approved by:

Robert R. Clark, Ph.D.  
Laboratory Director

ELAP # 2419

- DL : Detection Limit -- The lowest level at which the compound can reliably be detected under normal laboratory conditions.
- ND : Not Detected -- The compound was analyzed for but was not found to be present at or above the detection limit.
- NA : Not Analyzed -- Per client request, this analyte was not on the list of compounds to be analyzed for.



# Centrum Analytical Laboratories, Inc.

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

Client: Ogden  
5510 Morehouse Drive  
San Diego, CA 92121

Date Sampled: 05/09/00  
Date Received: 05/10/00  
Job Number: 16424

Project: Rocketdyne

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## CASE NARRATIVE

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The following information applies to samples which were received on 05/10/00 :

The samples were received at the laboratory chilled and sample containers were intact.

Unless otherwise noted below, the Quality Control acceptance criteria were met for all samples for every analysis requested.

Report approved by:

FOR  
Robert R. Clark, Ph.D.  
Laboratory Director

ELAP # 2419

DL : Detection Limit -- The lowest level at which the compound can reliably be detected under normal laboratory conditions.

ND : Not Detected -- The compound was analyzed for but was not found to be present at or above the detection limit.

NA : Not Analyzed -- Per client request, this analyte was not on the list of compounds to be analyzed for.



5510 MOREHOUSE DRIVE  
SAN DIEGO, CA 92121  
(619) 458-9044

# Chain of Custody

Control Number: **COC**  
Date **5/9/00** Page 1 of 1

*11/1*  
*16424*

Project Manager: Dixie Hambrick  
Project Name: Rocketdyne  
Project Number: 313150002  
Deliver results to the address above or as stated in contract

Bill To: Purchasing  
Company: Ogdan Environmental  
Address: 5510 Morehouse Drive, San Diego, CA 92121

Sample Disposal Instructions: Laboratory Disposal  
Shipment Method:  
Comment:

Cooler No:  
QC Level: Level4  
TAT: 14-day hardcopy summary  
28-day full package

Preservatives

HCL, pH < 2
HCL, pH > 2
H2SO4, pH < 2
H2SO4, pH > 2
ORDINANCE
1M02 IRT
HEX CHROME
340.2 FLUORIDE
300 ANIONS
9045/9040 PH
8082 PCBs
IC HYDRAZ
Total # of Bottles

Matrix

Soil	X
Water	X
Product	X

Sample Data

Sample ID	Description (for Ogdan use only)	Depth	Date Collected	Time Collected	U/S Number	Lab ID
AX052	EV5MPL501		5/9/00	1015	3	
AX053	EV5MPL501		5/9/00	1115		
AX054	EV5MPL501		5/9/00	1020	4	
AX055	EV5S37501		5/9/00	1030	5	
AX056	EV5S39501		5/9/00	1045	6	

8021 VOC	
80150G TPH	
8270SIM SVOC	
8270R SVOC	
8290 DIOXIN	
ASTM D19 FORMALDEHYDE	
8330 ORDINANCE	
1M02 IRT	X
7196 HEX CHROME	X
340.2 FLUORIDE	
300 ANIONS	
9045/9040 PH	
8082 PCBs	
IC HYDRAZ	
Moisture Content	X
Sampling Method	
Extra Volume MS/MSD	
HOLD	
Total # of Bottles	1

Samplers Signature: *[Signature]*  
Relinquished By: *[Signature]*  
Received By: *[Signature]*  
Relinquished By:  
Received By (LAB): *[Signature]*

Date	5/9/00	Time	1300
Date	5/9/00	Time	1500
Date		Time	
Date		Time	
Date	5/9/00	Time	10:00

For Lab Use

Lab Number: 16424

Do COC match samples:  or  N  
Broken container:  or  N  
Received within holding time:  or  N  
COC seal intact:  or  N  
Any other problems:  or  N  
If any YES, Ogdan contacted:  or  N  
Date contacted: \_\_\_/\_\_\_/\_\_\_  
Temperature °C: \_\_\_ / \_\_\_

*Phase Filter!*



5510 MOREHOUSE DRIVE  
SAN DIEGO, CA 92121  
(619) 458-9044

# Chain of Custody

Control Number: **COC 16423**  
Date **5/8/00** Page 1 of 1

Project Manager: Dixie Hambrick  
Project Name: Rocketdyne  
Project Number: 313150002  
Deliver results to the address above or as stated in contract

Bill To: Purchasing  
Company: Ogdien Environmental  
Address: 5510 Morehouse Drive, San Diego, CA 92121

Sample Disposal Instructions: Laboratory Disposal  
Shipment Method:  
Comment: **(3) DAY TAT ON SOIL SAMPLE!**

Cooler No:  
QC Level: Level 4  
JAT 14-day hardcopy summary 28-day full package  
SEE COMMENT

Preservatives

HCL, pH<2	4°C
HCL, pH>2	4°C
2270SIM SVOC	4°C
2270R SVOC	4°C
8290 DIOXIN	4°C
ASTM D19 FORMALDEHYDE	4°C
8330 ORDINANCE	4°C
1LM2JRT METALSRT	4°C
7196 HEX CHROME	4°C
340.2 FLUORIDE	4°C
300 ANIONS	4°C
9045/9040 PH	4°C
8082 PCBs	4°C
IC HYDRAZ	4°C
MOISTURE	4°C
LEAD/ARSENIC	4°C
ADDED TO	4°C
LISA TM	4°C
MS/MSD	4°C
HOLD	4°C

Sample Data				Matrix	
Sample ID	Description (for Ogdien use only)	Depth	Date Collected	Time Collected	Lab ID
RX043	LABS05S01	0	5/8/00	1100	4
RX044	LABS06S01	1	5/8/00	1145	5
RX045	LABS07S01	1	5/8/00	1345	6
RX046	LABS08S01	1	5/8/00	1350	7
RX047	LABS09S01	1	5/8/00	1355	8
RX048	LABS10S01	1	5/8/00	1400	9
RX049	LABS11S01	1	5/8/00	1500	1
RX050	LABS12S01	5	5/8/00	1550	1
RX051	LABS13S01	5	5/8/00	1600	1

8021 VC	4°C	X
80150G TPH	4°C	X
8270SIM SVOC	4°C	X
8270R SVOC	4°C	X
8290 DIOXIN	4°C	X
ASTM D19 FORMALDEHYDE	4°C	X
8330 ORDINANCE	4°C	X
1LM2JRT METALSRT	4°C	X
7196 HEX CHROME	4°C	X
340.2 FLUORIDE	4°C	X
300 ANIONS	4°C	X
9045/9040 PH	4°C	X
8082 PCBs	4°C	X
IC HYDRAZ	4°C	X
MOISTURE	4°C	X
LEAD/ARSENIC	4°C	X
ADDED TO	4°C	X
LISA TM	4°C	X
MS/MSD	4°C	X
HOLD	4°C	X

Samplers Signature: *[Signature]* Date: 5/8/00 Time: 1615  
 Relinquished By: *[Signature]* Date: 5/8/00 Time: 1615  
 Received By: *[Signature]* Date: 5/10/00 Time: 10:00  
 Relinquished By: *[Signature]* Date: 5/10/00 Time: 10:00

Lab Number: **58100**

For Lab Use

Do COC match samples:  or  N  
 Broken container: Y or  N  
 Received within holding time:  or  N  
 COC seal intact: Y or  N  
 Any other problems: Y or  N  
 If any YES, Ogdien contacted: Y or  N  
 Date contacted: 5/10/00  
 Temperature: 10 °C

F-3



Wack

# Centrum Analytical Laboratories, Inc.

290 TENNESSEE STREET  
REDLANDS, CA 92373  
www.centrum-labs.com  
(909) 793-9336 • (800) 798-9336  
FAX (909) 793-1559  
lab@centrum-labs.com

Centrum Job #

## Chain of Custody Record

Page 1 of 1

Project No:		Project Name:		Please Circle ALL Analyses Requested																
Project Manager:		Phone:		Turn-Around Time																
Client Name:		Address:		<input type="checkbox"/> 24 Hr. RUSH* <input type="checkbox"/> 48 Hr. RUSH* <input checked="" type="checkbox"/> Normal TAT *Requires PRIOR approval, additional charges apply Requested due date:																
Centrum ID	Sample ID	Date sampled	Time sampled	Sample matrix	Site location	Containers: # and type	8015M: Diesel, Fuel Screen, Carbon Chain	8015M: Gasoline only	8021B: BTEX/MBE Only by GC/PID	418.1 (TRPH), 413.2 (Oil & Grease)	GCMS: 8260B, 8021B, 624, 524.2	GCMS: Fuel Oxygenates	GCMS: MBE Conf. Only	GCMS: 8270C, 625	8081A/8082: Pesticides, PCBs, Pest/PCB	Metals: Title 22 (CAM), RCRA, PP	pH, TDS, TSS, Conductivity	Remarks/Special Instructions		
	RX050				116423 - 8															
	RX051				9															
1) Relinquished by: (Sampler's Signature)		Date:	Time:	3) Relinquished by:		Date:	Time:	To be completed by Laboratory personnel:		Samples chilled? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> From Field		Custody seals? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		All sample containers intact? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Courier <input type="checkbox"/> UPS/Fed Ex <input type="checkbox"/> Hand carried		Sample Disposal		
2) Received by:		Date:	Time:	4) Received by:		Date:	Time:	<input type="checkbox"/> Client will pick up <input type="checkbox"/> Return to client <input type="checkbox"/> Lab disposal												
Laboratory Notes:		5) Relinquished by:		6) Received for Laboratory by:																

# RUSH

Centrum Job #

Page 1 of 1

## Chain of Custody Record

**Centrum Analytical Laboratories, Inc.**

290 TENNESSEE STREET  
REDLANDS, CA 92373  
www.centrum-labs.com  
(909) 798-9336 • (800) 798-9336  
FAX (909) 793-1559  
lab@centrum-labs.com

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Project Name: Rocketdyne FAX				Please Circle ALL Analyses Requested												Turn-Around Time	
Project No: 16423				Address: Centrum				Site location: 16423-1 -2				Containers: # and type				<input type="checkbox"/> 24 Hr. RUSH <input checked="" type="checkbox"/> 48 Hr. RUSH <input type="checkbox"/> Normal TAT	
Project Manager: M. Eschen				Phone:				Time sampled				Date sampled				<input type="checkbox"/> Requires PRIOR approval, additional charges apply Requested due date: 5/24/00	
Client Name: Centrum				Address: (Report and Billing)				Sample ID (As it should appear on report)				Time sampled				Remarks/Special Instructions	
Sample ID: RX059				Date sampled: 5/10				Time sampled: 11:40				Date: 5/10					
Sample ID: RX043				Date sampled: "				Time sampled:				Date:					
Sample ID: RX048				Date sampled:				Time sampled:				Date:					
8015M: Diesel Fuel Screen, Carbon Chain				8015M: Gasoline only				8021B: BTEX/MBE Only by GC/PID				4161 (TRPH), 4132 (Oil & Grease)				GCMS: 8260B, 8021B, 624, 5242	
GCMS: Fuel Oxygenates				GCMS: MBE Cont. Only				GCMS: 8270C, 625				8081A/8082: Pesticides, PCBs, Pesticides				Metals: 8082Z (Cadm), RCR, PP	
pH, TDS, TSS, Conductivity																	

1) Relinquished by: [Signature] Date: 5/10 Time: 11:40		3) Relinquished by: Date: Time:	
2) Received by: [Signature] Date: Time:		4) Received by: Date: Time:	
5) Relinquished by: Date: Time:		6) Received for Laboratory by: [Signature] Date: 5/10 Time: 11:40	

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.

Laboratory Notes:

To be completed by Laboratory personnel:  
 Samples chilled?  Yes  No  From Field  
 Custody seals?  Yes  No  
 All sample containers intact?  Yes  No  
 Cooler  UPS/Fed Ex  Hand carried

Sample Disposal:  
 Client will pick up  
 Return to client  
 Lab disposal

Sample Locator No.:

*Call Center*

480

**Centrum Analytical Laboratories, Inc.**

280 TENNESSEE STREET  
 REDLANDS, CA 92373  
 www.centrum-labs.com  
 (909) 798-9336 • (800) 798-9336  
 FAX (909) 793-1559  
 lab@centrum-labs.com

Centrum Job #

**Chain of Custody Record**

Page | of |

Project No: 16423		Project Name: ROCKETDYNE		Please Circle ALL Analyses Requested		
Project Manager: MARILU ESCHER		Phone: Fax:		Turn-Around Time <input type="checkbox"/> 24 Hr. RUSH* <input type="checkbox"/> 48 Hr. RUSH* <input checked="" type="checkbox"/> Normal TAT <small>*Requires PRIOR approval, additional charges apply</small>		
Client Name: CENTRUM		Address: (Report and Billing)		Requested due date:		
Centrum ID (Lab use only)	Sample ID (As it should appear on report)	Date sampled	Time sampled	Sample matrix	Site location	Containers: # and type
	RX049	5/8	1500	H <sub>2</sub> O	16423-7	
1) Relinquished by: (Sampler's Signature) <i>Marielu Escher</i>		Date:	Time:	3) Relinquished by:		
2) Received by:		Date:	Time:	4) Received by:		
The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.		5) Relinquished by:				
Laboratory Notes:		6) Received for Laboratory by: <i>[Signature]</i>				
8015M: Diesel, Fuel Screen, Carbon Chain		Date:	Time:	To be completed by Laboratory personnel:		
8015M: Gasoline only		Date:	Time:	Samples chilled? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> From Field		
8021B: BTEX/MIBE Only by GC/PID		Date:	Time:	Custody seals? <input type="checkbox"/> Yes <input type="checkbox"/> No		
418.1 (TRPH), 413.2 (Oil & Grease)		Date:	Time:	All sample containers intact? <input type="checkbox"/> Yes <input type="checkbox"/> No		
GCMS: 8260B, 8021B, 624, 524.2		Date:	Time:	<input type="checkbox"/> Courier <input type="checkbox"/> UPS/Fed Ex <input type="checkbox"/> Hand carried		
GCMS: Fuel Oxygenates		Sample Disposal				
GCMS: MIBE Cont. Only		<input type="checkbox"/> Client will pick up				
GCMS: 8270C, 625		<input type="checkbox"/> Return to client				
8081A/8082: Pesticides, PCBs, Pest/PCB		<input type="checkbox"/> Lab disposal				
Metals: T16, 22 (CAM), RCRA, PP		Sample Locator No.				
pH, TDS, TSS, Conductivity						
Remarks/Special Instructions						

*Corbett*

*306*

**RUSH**

**Centrum Analytical Laboratories, Inc.**  
 290 TENNESSEE STREET  
 REDLANDS, CA 92373  
 www.centrum-labs.com  
 (909) 798-9336 • (800) 798-9336  
 FAX (909) 793-1559  
 lab@centrum-labs.com

Centrum Job #

**Chain of Custody Record**

Page 1 of 1

Project No: <u>16423</u>				Project Name: <u>Rocketdyne</u>				Turn-Around Time <input type="checkbox"/> 24 Hr. RUSH* <input checked="" type="checkbox"/> 48 Hr. RUSH* <input type="checkbox"/> Normal TAT	
Project Manager: <u>M. Eschen</u>				Phone: <u>                    </u>				*Requires PRIOR approval, additional charges apply Requested due date: <u>5/12/00</u>	
Client Name: <u>Centrum</u>				Address: (Report and Billing)				Remarks/Special Instructions	
Centrum ID (Lab use only)	Sample ID (As it should appear on report)	Date sampled	Time sampled	Sample matrix	Site location	Containers # and type	Please Circle ALL Analyses Requested		
<u>RX043</u>		<u>5/10/00</u>		<u>Soil</u>	<u>16423-1</u>		<input checked="" type="checkbox"/> Metals: <u>Aluminum, Barium</u>	<input checked="" type="checkbox"/> Metals: <u>As, Cd, Cr, Cu, Pb, Ni, Zn, Hg, Fe, Mn, Mo, Se, V, W, Bi, Br, Co, Cs, K, Li, Mg, Na, Sr, Tl, U, Y, Zr</u>	
<u>RX044</u>		<u>"</u>			<u>-2</u>		<input checked="" type="checkbox"/> 8015M: Diesel, Fuel Screen, Carbon Chain	<input checked="" type="checkbox"/> 8015M: Gasoline only	
							<input type="checkbox"/> 8021B: BTEX/MTBE Only by GC/PID	<input type="checkbox"/> 418.1 (TRPH), 413.2 (Oil & Grease)	
							<input type="checkbox"/> GCMS: 8260B, 8021B, 624, 524.2	<input type="checkbox"/> GCMS: Fuel Oxygenates	
							<input type="checkbox"/> GCMS: MBE Cont. Only	<input type="checkbox"/> GCMS: 8270C, 625	
							<input type="checkbox"/> 8081A/8082: Pesticides, PCBs, Pest/PCB	<input type="checkbox"/> pH, TDS, TSS, Conductivity	
1) Relinquished by: (Sampler's Signature) <u>[Signature]</u>							To be completed by Laboratory personnel:		
Date: <u>5/10</u>		Time: <u>11:47</u>		3) Relinquished by:			Samples chilled? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> From Field		
Date:		Time:		4) Received by:			Custody seals? <input type="checkbox"/> Yes <input type="checkbox"/> No		
Date:		Time:		5) Relinquished by:			All sample containers intact? <input type="checkbox"/> Yes <input type="checkbox"/> No		
Date:		Time:		6) Received for Laboratory by: <u>[Signature]</u>			<input type="checkbox"/> Courier <input type="checkbox"/> UPS/Fed Ex <input type="checkbox"/> Hand carried		
The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.							Sample Disposal <input type="checkbox"/> Client will pick up <input type="checkbox"/> Return to client <input type="checkbox"/> Lab disposal		
Laboratory Notes:							Sample Locator No.		



### LABORATORY REPORT

Prepared For: MWH-San Diego  
1230 Columbia Street, Suite 750  
San Diego, CA 92101  
Attention: Lisa J. Tucker

Project: 1890705.0116

Sampled: 02/14/03  
Received: 02/15/03  
Revised: 03/13/03

NELAP #01108CA CA ELAP #1197

*The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of Del Mar Analytical and its client. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical. This entire report was reviewed and approved for release.*

### CASE NARRATIVE

- SAMPLE RECEIPT: Samples were received intact, at 17°C, and with chain of custody documentation.
- HOLDING TIMES: Holding times were met.
- PRESERVATION: Samples requiring preservation were verified prior to sample analysis.
- QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers. The report has been revised to correct the MS1 result for Perchlorate Batch 3B19031. Please refer to attached corrective action report for details.
- COMMENTS: No significant observations were made.
- SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

LABORATORY ID	CLIENT ID	MATRIX
IMB0949-01	MJ113	Water
IMB0949-02	MJ114	Water
IMB0949-03	MJ115	Water
IMB0949-04	MJ116	Water
IMB0949-05	MJ117	Water
IMB0949-06	MJ118	Water
IMB0949-07	MJ119	Water
IMB0949-08	MJ120	Water
IMB0949-09	MJ121	Water
IMB0949-10	MJ122	Water
IMB0949-11	MJ123	Water

Del Mar Analytical, Irvine  
Michele Harper  
Project Manager Supervisor



MWH-San Diego  
1230 Columbia Street, Suite 750  
San Diego, CA 92101  
Attention: Lisa J. Tucker

Project ID: 1890705.0116

Report Number: IMB0949

Sampled: 02/14/03

Received: 02/15/03

**LABORATORY ID**

IMB0949-12

IMB0949-13

**CLIENT ID**

MJ124

MJ125

**MATRIX**

Water

Water

**Del Mar Analytical, Irvine**  
Michele Harper  
Project Manager Supervisor



MWH-San Diego  
1230 Columbia Street, Suite 750  
San Diego, CA 92101  
Attention: Lisa J. Tucker

Project ID: 1890705.0116

Report Number: IMB0949

Sampled: 02/14/03

Received: 02/15/03

### DATA QUALIFIERS AND DEFINITIONS

**ND** Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.

**RPD** Relative Percent Difference

**Del Mar Analytical, Irvine**  
Michele Harper  
Project Manager Supervisor

*The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical.*



MWH-San Diego  
1230 Columbia Street, Suite 750  
San Diego, CA 92101  
Attention: Lisa J. Tucker

Project ID: 1890705.0116

Report Number: IMB0949

Sampled: 02/14/03

Received: 02/15/03

### Certification Summary

#### Del Mar Analytical, Irvine

Method	Matrix	NELAP	CA
EPA 200.7	Water	X	X
EPA 245.1	Water	X	X
EPA 314.0	Water		X
Filtration	Water		

*NV and NELAP provide analyte specific accreditations. Analyte specific information for Del Mar Analytical may be obtained by contacting the laboratory or visiting our website at [www.dmalabs.com](http://www.dmalabs.com).*

**Del Mar Analytical, Irvine**  
Michele Harper  
Project Manager Supervisor



2652 Alton Ave., Irvine, CA 92606 (949) 261-1022 FAX (949) 261-1228  
 1014 E. Cooley Dr., Suite A, Colton, CA 92324 (909) 370-4667 FAX (909) 370-1046  
 7277 Hayvenhurst, Suite B-12, Van Nuys, CA 91406 (818) 779-1844 FAX (818) 779-1843  
 9630 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851  
 9484 Chesapeake Dr., Suite 805, San Diego, CA 92123 (619) 505-9596 FAX (619) 505-9689

IMB0949  
 606 MJ113

# CHAIN OF CUSTODY FORM

Page 1 of 1

Client Name/Address:		Project/PO Number:		Analysis Required		Special Instructions	
MWH 250 N. Modisum Pasadena 91101		1890705.016					
Project Manager:		Phone Number:		Mercury	Lead <td rowspan="2"></td>		
Dixie Hanbrick Ben Stewart		626.568.6348 626.568.6515					
Sampler:	Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives
MJ113	OSSWØ1DØ1	W		1	2/19/03	0953	None
MJ114	OSSWØ3DØ1			1		1023	
MJ115	OSSWØ3DØ1			1		1042	
MJ116	OSSWØ4DØ1			1		1056	
MJ117	OSSWØ5DØ1			1		1100	
MJ118	OSSWØ6DØ1			1		1115	
MJ119	OSSWØ7DØ1			1		1140	
MJ120	OSSWØ8DØ1			1		1200	
MJ121	OSSWØ9DØ1			2		1300	
MJ122	OSSW1ØDØ1			2		1315	
MJ123	OSSW11DØ1			2		1340	
MJ124	OSSW12DØ1			2		1410	
MJ125	OSSW13DØ1			1		1525	
Relinquished By: <i>[Signature]</i>		Date/Time: 2/15/03 0940		Received by: <i>[Signature]</i>		Date/Time: 2-15-03 0940	
Relinquished By: <i>[Signature]</i>		Date/Time: _____		Received by: _____		Date/Time: _____	
Relinquished By: _____		Date/Time: _____		Received by: _____		Date/Time: _____	

Note: By relinquishing samples to Del Mar Analytical, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.



7800 Aberdeen, Irvine, CA 92618 (949) 261-1022 FAX (949) 261-1158  
 654 E. Coastway Dr., Suite A, Oyster, CA 92224 (714) 278-4867 FAX (714) 278-9649  
 7771 McPherson Dr., Suite B-12, Van Nuys, CA 91411 (818) 778-1844 FAX (818) 778-3443  
 9500 South G Street, Suite 100, Phoenix, AZ 85041 (602) 798-0344 FAX (602) 798-0851  
 3454 Champagne Dr., Suite 305, San Diego, CA 92122 (619) 595-5296 FAX (619) 595-5899

# CHAIN OF CUSTODY FORM

Page 1 of 1

Client Name/Address: **MWH Pasadena 250 N. Madison 91101**

Project Manager: **Dixie Hambrick Ben Stewart**

Project/PO Number: **1890705.016**

Phone Number: **626.568.6348**

Fax Number: **626.568.6515**

Sample Description	Sample Matrix	Container Type	# of Coni.	Sampling Date	Sampling Time	Preservatives	Analysis Required	Special Instructions
MJ113 HVSU01501	W		1	2/14/03	0953	None	Mercury	* Preserve
MJ113 HVSU01501			1		1023		Lead	metals in lab.
MJ113 HVSU01501			1		1042			
MJ113 HVSU01501			1		1056			
MJ113 HVSU01501			1		1100			
MJ113 HVSU01501			1		1115			
MJ113 HVSU01501			1		1140			
MJ113 HVSU01501			1		1200			
MJ113 HVSU01501			2		1300			
MJ113 HVSU01501			2		1315			
MJ113 HVSU01501			2		1340			
MJ113 HVSU01501			2		1410			
MJ113 HVSU01501			1		1525			

Relinquished By: *[Signature]* Date/Time: **2/15/03 0940**

Relinquished By: *[Signature]* Date/Time: **2-15-03 0940**

Relinquished By: *[Signature]* Date/Time: **2-15-03 0940**

Turnaround Time: (Check)  
 same day \_\_\_\_\_ 72 hours   
 24 hours \_\_\_\_\_ 5 days \_\_\_\_\_  
 48 hours \_\_\_\_\_ normal \_\_\_\_\_

Sample Integrity: (Check)  
 intact  on ice **17°C**

Note: By relinquishing samples to Del Mar Analytical, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

1MB0949 C0C MJ113



1230 Columbia Street, Suite 750  
San Diego, California 92101-8536

Date: 02/17/03

Tel: 619-699-4131  
Fax: 619-239-3895

To: Michelle Harper/ Del Mar Analytical

Fax No: 949-261-1228

From: Lisa J. Tucker  
sign:

Subject: Chain-of-Custody Form Analytical  
Request Change

No. of Pages: 2  
(including cover)

**As per our conversation:**

Please make the changes listed below to the chain-of-custody analytical request form. Include this form with the final data deliverables for these samples.

COC No.	EPA Sample ID	Original MWH Sample ID	Date Collected	Method (s) Originally Requested	New MWH Sample ID
MJ113	MJ113	OSSW01D01	2/14/03	Perchlorate	HVSW01S01
MJ113	MJ114	OSSW02D01	2/14/03	Perchlorate	HVSW02S01
MJ113	MJ115	OSSW03D01	2/14/03	Perchlorate	HVSW03S01
MJ113	MJ116	OSSW04D01	2/14/03	Perchlorate	HVSW04S01
MJ113	MJ117	OSSW05D01	2/14/03	Perchlorate	HVSW05S01
MJ113	MJ118	OSSW06D01	2/14/03	Perchlorate	HVSW06S01
MJ113	MJ119	OSSW07D01	2/14/03	Perchlorate	HVSW07S01
MJ113	MJ120	OSSW08D01	2/14/03	Perchlorate	HVSW08S01
MJ113	MJ121	OSSW09D01	2/14/03	Perchlorate, Hg	FSSW02S01
MJ113	MJ122	OSSW10D01	2/14/03	Perchlorate, Hg	FSSW03S01
MJ113	MJ123	OSSW11D01	2/14/03	Perchlorate, Pb	A2SW01S01
MJ113	MJ124	OSSW12D01	2/14/03	Perchlorate, Pb	ILSW01S01
MJ113	MJ125	OSSW13D01	2/14/03	Perchlorate	OSSW01S01

\*Please Run for Requested Analyses Only.

The reason for these changes is: Changes are to sample IDs only, Analyses stay the same.  
*Incorrectly marked on COC form*

*Lack of sample volume*

*MWH office personnel require this change*

*Other: Containers mislabeled*

Thank you.

\_\_\_\_\_  
\_\_\_\_\_  
X  
\_\_\_\_\_



7800 Aberdeen, Irvine, CA 92618 (949) 261-1122 FAX (949) 261-1158  
 654 E. Coastway Dr., Suite A, Oyster, CA 92224 (714) 278-4867 FAX (714) 278-9649  
 7771 McPherson Dr., Suite B-12, Van Nuys, CA 91411 (818) 778-1844 FAX (818) 778-8443  
 9500 South G Street, Suite 100, Phoenix, AZ 85041 (602) 798-0344 FAX (602) 798-0351  
 3454 Champagne Dr., Suite 305, San Diego, CA 92123 (619) 585-5296 FAX (619) 585-5899

# CHAIN OF CUSTODY FORM

Page 1 of 1

Client Name/Address: **MWH Pasadena 250 N. Madison 91101**  
 Project Manager: **Dixie Hambrick Ben Stewart**

Project/PO Number: **1890705.016**  
 Phone Number: **626.568.6348**  
 Fax Number: **626.568.6515**

Sample Description	Sample Matrix	Container Type	# of Coni.	Sampling Date	Sampling Time	Preservatives	Analysis Required	Special Instructions
MJ113 HVSU01501	W		1	2/14/03	0953	None	Lead Mercury Pesticides	* Preserve metals in lab.
MJ114 HVSU01501			1		1023			
MJ115 HVSU01501			1		1042			
MJ116 HVSU01501			1		1056			
MJ117 HVSU01501			1		1100			
MJ118 HVSU01501			1		1115			
MJ119 HVSU01501			1		1140			
MJ120 HVSU01501			1		1200			
MJ121 HVSU01501			2		1300			
MJ122 HVSU01501			2		1315			
MJ123 HVSU01501			2		1340			
MJ124 HVSU01501			2		1410			
MJ125 HVSU01501			1		1525			

Relinquished By: *[Signature]* Date/Time: **2/15/03 0940**  
 Relinquished By: *[Signature]* Date/Time: \_\_\_\_\_  
 Relinquished By: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Turnaround Time: (Check)  
 same day \_\_\_\_\_ 72 hours   
 24 hours \_\_\_\_\_ 5 days \_\_\_\_\_  
 48 hours \_\_\_\_\_ normal \_\_\_\_\_

Sample Integrity: (Check)  
 intact  on ice  17°C

Received by: *[Signature]* Date/Time: \_\_\_\_\_  
 Received by: *[Signature]* Date/Time: \_\_\_\_\_  
 Received in Lab by: *[Signature]* Date/Time: **2-15-03 0940**

Note: By relinquishing samples to Del Mar Analytical, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

1MB0949  
COC MJ113



**MWH**  
MONTGOMERY WATSON HARZA

1230 Columbia Street, Suite 750  
San Diego, California 92101-8536

Tel: 619-239-3888  
Fax: 619-239-3895

Date: 11/14/03

To: INTERNAL PURPOSE ONLY

Fax No:

From: Edmund Sarao  
sign: Edmund Sarao

Subject: Database-change Request

No. of Pages: 1  
(including cover)

Changes confirmed by T. Burton 11/10/03

EPA_ID	New MWH_ID	Original MWH_ID	DatatraxID	SDG_NO	LAB_CODE
MJ121	FSSW04S01	FSSW02S01	T702WC16	IMB0949	DELMAR
MJ122	FSSW05S01	FSSW03S01	T702WC16	IMB0949	DELMAR

The reasons for these changes:

- Incorrectly marked on COC form* \_\_\_\_\_
- Lack of sample volume* \_\_\_\_\_
- MWH office personnel require this change* \_\_\_\_\_ X \_\_\_\_\_
- Other: Containers mislabeled* \_\_\_\_\_

Thank you.



### LABORATORY REPORT

Prepared For: MWH-San Diego  
1230 Columbia Street, Suite 750  
San Diego, CA 92101  
Attention: Lisa J. Tucker

Project: BOEING SSFL RFI

Sampled: 03/15/03  
Received: 03/15/03  
Revised: 03/26/03

NELAP #01108CA CA ELAP #1197

*The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of Del Mar Analytical and its client. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical. This entire report was reviewed and approved for release.*

### CASE NARRATIVE

- SAMPLE RECEIPT: Samples were received intact, at 2°C, on ice and with chain of custody documentation.
- HOLDING TIMES: Holding times were met.
- PRESERVATION: Samples requiring preservation were verified prior to sample analysis.
- QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
- COMMENTS: No significant observations were made.
- SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.
- ADDITIONAL INFORMATION: This report was revised to include a Mercury result for sample IMC1010-15 (MJ224), The result was not included in the original report due to a laboratory oversight.

LABORATORY ID	CLIENT ID	MATRIX
IMC1010-01	MJ210	Water
IMC1010-02	MJ211	Water
IMC1010-03	MJ212	Water
IMC1010-04	MJ213	Water
IMC1010-05	MJ214	Water
IMC1010-06	MJ215	Water
IMC1010-07	MJ216	Water
IMC1010-08	MJ217	Water
IMC1010-09	MJ218	Water
IMC1010-10	MJ219	Water
IMC1010-11	MJ220	Water
IMC1010-12	MJ221	Water

Del Mar Analytical, Irvine  
Michele Harper  
Project Manager Supervisor



MWH-San Diego  
1230 Columbia Street, Suite 750  
San Diego, CA 92101  
Attention: Lisa J. Tucker

Project ID: BOEING SSFL RFI

Report Number: IMC1010

Sampled: 03/15/03

Received: 03/15/03

LABORATORY ID	CLIENT ID	MATRIX
IMC1010-13	MJ222	Water
IMC1010-14	MJ223	Water
IMC1010-15	MJ224	Water

**Del Mar Analytical, Irvine**  
Michele Harper  
Project Manager Supervisor



MWH-San Diego  
1230 Columbia Street, Suite 750  
San Diego, CA 92101  
Attention: Lisa J. Tucker

Project ID: BOEING SSFL RFI

Report Number: IMC1010

Sampled: 03/15/03

Received: 03/15/03

### DATA QUALIFIERS AND DEFINITIONS

- ND** Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
- RPD** Relative Percent Difference

**Del Mar Analytical, Irvine**  
Michele Harper  
Project Manager Supervisor



MWH-San Diego  
 1230 Columbia Street, Suite 750  
 San Diego, CA 92101  
 Attention: Lisa J. Tucker

Project ID: BOEING SSFL RFI

Report Number: IMC1010

Sampled: 03/15/03

Received: 03/15/03

## Certification Summary

### Del Mar Analytical, Irvine

Method	Matrix	NELAP	CA
EPA 245.1	Water	X	X
EPA 314.0	Water	N/A	X

*NV and NELAP provide analyte specific accreditations. Analyte specific information for Del Mar Analytical may be obtained by contacting the laboratory or visiting our website at [www.dmalabs.com](http://www.dmalabs.com).*

**Del Mar Analytical, Irvine**  
 Michele Harper  
 Project Manager Supervisor

**WORK ORDER**  
**Del Mar Analytical, Irvine**  
**IMC1010**

Due: 03/20/03 16:00



*LA*

**Client:** MWH-San Diego  
**Project:** N/A Boeing MWH-SD

**Printed:** 3/19/03 9:37:48AM  
**Project Number:** BOEING SSFL RFI

**Report To:**  
MWH-San Diego  
Lisa J. Tucker  
1230 Columbia Street, Suite 750  
San Diego, CA 92101  
Phone: (619) 699-4131  
Fax: (619) 239-3895

**Invoice To:**  
MWH-Pasadena  
Lowell Moffit  
250 N. Madison Avenue  
Pasadena, CA 91101  
Phone :626/568-6310  
Fax: (626) 568-6515  
Bid: Boeing SSFL (Effective 11/1/02)

MOW

**Project Manager:** Michele Harper  
**Received By:** David Dunkley  
**Logged In By:** Laura Morgan

**Date Due:** 03/20/03 17:00 (3 day TAT)  
**Date Received:** 03/15/03 18:00  
**Date Logged In:** 03/19/03 09:28

Samples Received at:	2°C	Special Boeing project from 2/14/03 rain event.
Custody Seals Present:	No	Data to MWH-SD-Lisa Tucker
All containers intact:	Yes	Copy to AMEC-Liz Wessling (550 S. Wadsworth Blvd, Ste 500, Lakewood, CO 80226)
Sample labels/COC agree:	Yes	EDD to MWH-SD- edmund.sarao@mwhglobal.com
Samples Preserved Properly:	Yes	
Samples Received On Ice:	Yes	

Analysis	Due	TAT	Expires	Price	Comments
<b>IMC1010-01 MJ 210 BSSW01 S01</b> Perchlorate 314.0	Water 03/20/03 16:00	3	<b>Sampled: 03/15/03 09:25</b> 04/12/03 09:25	\$100.00+50%	Boeing
<b>IMC1010-02 MJ 211 BSSW02 S01</b> Perchlorate 314.0	Water 03/20/03 16:00	3	<b>Sampled: 03/15/03 09:30</b> 04/12/03 09:30	\$100.00+50%	Boeing
<b>IMC1010-03 MJ 212 HVSW28 S01</b> Perchlorate 314.0	Water 03/20/03 16:00	3	<b>Sampled: 03/15/03 09:46</b> 04/12/03 09:46	\$100.00+50%	Boeing
<b>IMC1010-04 MJ 213 BSSW03 S01</b> Perchlorate 314.0	Water 03/20/03 16:00	3	<b>Sampled: 03/15/03 09:48</b> 04/12/03 09:48	\$100.00+50%	Boeing
<b>IMC1010-05 MJ 214 BSSW04 S01</b> Perchlorate 314.0	Water 03/20/03 16:00	3	<b>Sampled: 03/15/03 09:50</b> 04/12/03 09:50	\$100.00+50%	Boeing
<b>IMC1010-06 MJ 215 TTSW01 S01</b> Perchlorate 314.0	Water 03/20/03 16:00	3	<b>Sampled: 03/15/03 10:05</b> 04/12/03 10:05	\$100.00+50%	Boeing
<b>IMC1010-07 MJ 216 TTSW02 S01</b> Perchlorate 314.0	Water 03/20/03 16:00	3	<b>Sampled: 03/15/03 10:10</b> 04/12/03 10:10	\$100.00+50%	Boeing
<b>IMC1010-08 MJ 217 TTSW03 S01</b> Perchlorate 314.0	Water 03/20/03 16:00	3	<b>Sampled: 03/15/03 10:25</b> 04/12/03 10:25	\$100.00+50%	Boeing
<b>IMC1010-09 MJ 218 TTSW04 S01</b> Perchlorate 314.0	Water 03/20/03 16:00	3	<b>Sampled: 03/15/03 10:30</b> 04/12/03 10:30	\$100.00+50%	Boeing

*MS*

IMC1010

CLIENT <u>MWH Pasadena</u>		PROJECT MANAGER		SUSP. CONTAM		TESTS REQUIRED	
ADDRESS <u>250 N. Madison Ave.</u>		PHONE NUMBER		NO. OF CNTNRS			
PROJECT NAME <u>Boeing SSFL RFI</u>		SAMPLES: (Signature) <u>Thomas J. BA</u>		SAMPLE TYPE			
		DATE		WATER AIR SOLID			
LOCATION DESCRIPTION <u>SUMD PATH</u>		TIME		WATER			
SAMPLE NUMBER							
MJ 222	<u>PUSWØ1 SØ1</u>	<u>3/15/03</u>	<u>1145</u>	<u>X</u>		<u>1</u>	<u>Perchlorate</u>
MJ 223	<u>PUSWØ2 SØ1</u>	<u>↓</u>	<u>1150</u>	<u>X</u>		<u>1</u>	<u>Perchlorate</u>
MJ 224	<u>FSSWØ3 SØ1</u>	<u>↓</u>	<u>1220</u>	<u>X</u>		<u>2</u>	<u>Perchlorate, Mercury</u>
Relinquished by: (Signature) <u>Thomas J. BA</u>		Received by: (Signature) <u>Mike Carley</u>		DATE/TIME <u>3/15/03</u>		DATE/TIME <u>3/15/03</u>	
Relinquished by: (Signature) <u>Mike Carley</u>		Received by Laboratory for analysis: (Signature) <u>Mike Carley</u>		DATE/TIME <u>3/15/03</u>		DATE/TIME <u>3/15/03 1800</u>	
Special Instructions: <u>Note: DTSC splits</u>							

I hereby authorize the performance of the above indicated work.  
 DISTRIBUTION: White with report. Yellow to AL, Pink to Courier

IMC1010

Control # MJ 210

CLIENT MWH  
 ADDRESS 250 N. Madison Ave.

PROJECT NAME Boeing SSFL RFI  
 PROJECT MANAGER Dixie Hambrick  
 PHONE NUMBER 626 569 6349  
 SAMPLERS: (Signature) Thomas J. Ed

Samples Intact Yes \_\_\_ No \_\_\_  
 County Seals Intact Yes \_\_\_ No \_\_\_  
 Sample Ambient \_\_\_ Cooled \_\_\_ Frozen \_\_\_  
 Same Day \_\_\_ 24 Hr. \_\_\_  
 Regular \_\_\_ 48 Hr. \_\_\_

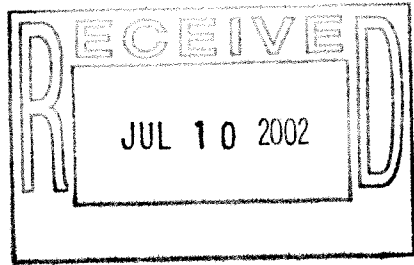
SAMPLE NUMBER	LOCATION DESCRIPTION	SUMMU	Depth	DATE	TIME	SAMPLE TYPE			NO OF CNTNRS	SUSP. CONTAM.	TESTS REQUIRED
						WATER	AIR	SOLID			
MJ 210	BSSwφ1 sφ1	ATAC	-	3/15/03	0925	X			1		Perchlorate
MJ 211	BSSwφ2 sφ1		-		0930	X			1		
MJ 212	HVSw28 sφ1		-		0946	X			1		
MJ 213	BSSwφ3 sφ1		-		0948	X			1		
MJ 214	BSSwφ4 sφ1		-		0950	X			1		
MJ 215	TTSwφ1 sφ1	4.8	-		1005	X			1		
MJ 216	TTSwφ2 sφ1		-		1010	X			1		
MJ 217	TTSwφ3 sφ1		-		1025	X			1		
MJ 218	TTSwφ4 sφ1		-		1030	X			1		
MJ 219	CFSwφ3 sφ1	6.4	-		1115	X			1		
MJ 220	CFSwφ4 sφ1		-		1120	X			1		
MJ 221	CFSwφ5 sφ1		-		1125	X			1		

I hereby authorize the performance of the above indicated work.

Relinquished by: (Signature) Thomas J. Ed Date/Time 3/15/03  
 Relinquished by: (Signature) Michael Conley Date/Time 3-15-03 1800  
 Received by: (Signature) Michael Conley Date/Time 3/15/03 15:40  
 Received by: Laboratory Analysis: (Signature) Michael Conley Date/Time 3-15-03 1800

Special Instructions: Note: DTSC Splits for MJ 210-221  
 DISTRIBUTION: White with report. Yellow to AL, Pink to Courier

T508



RY050

**PROJECT NARRATIVE**

## Inorganic SDG Narrative

**Client Case ID:** Rocketdyne  
**Ceimic Project No.:** 200290  
**SDG No.:** RY050

The following samples were received at Ceimic Corporation on May 10, 2000:

RY052

RY053 (MS/MSD)

The above samples were digested and analyzed for total mercury using SW846 methods 6010B/7470A in accordance with the Inorganic Statement of Work (SOW) ILM04.0.

### **Comments on Data Package:**

#### **QA/QC Samples:**

Inorganic Ventures (lot# P-CICP08035) was used for the mercury ICV and CCV samples. Environmental Resource Associates standard (lot#241) was used for the LCSS samples.

#### **Observations:**

Mercury analysis was performed via automated cold vapor atomic absorption spectroscopy (CVAA).

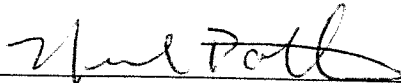
A "U" flag in the C column on the sample result forms (Form I-IN) indicates that the concentration of that analyte in the sample is undetected at the method detection limit (MDL). For the sample concentration reported between the Practical Quantitation Limit (PQL) and the instrument MDL, a "B" flag is shown in the C column on the Form I-IN.

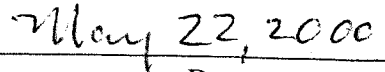
#### **Deviations from Contract:**

None.

End of case Narrative.

I certify that this data package is in compliance with the terms and conditions of the contract, 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.

  
\_\_\_\_\_  
Neil Pothier  
Laboratory Manager

  
\_\_\_\_\_  
Date

# INDEX

Page #

Metals .....

Inorganic Analytes.....

**CHAIN OF CUSTODY**

CEIMIC CORPORATION  
Sample Receiving Checklist

LIMS # 200290

Cooler Number: 1

Client: OGDEN

Number of Coolers: 1

Project: 313150002

Date Received: 5/10/00

- A. PRELIMINARY EXAMINATION PHASE: Date cooler was opened: 5, 10, 00
1. Have designated person initial here to acknowledge receipt of cooler: LG (date): 5, 10, 00
  2. Did cooler come with a shipping slip (airbill, etc.)? .....  YES  NO  
If YES, enter carrier name & airbill number here: FX 821239931385
  3. Were custody seals on outside of cooler? ..... YES  NO   
How many & where: \_\_\_\_\_ seal date:   /  /   seal name: \_\_\_\_\_
  4. Were custody seals unbroken and intact at the date and time of arrival ..... YES  NO
  5. Did you screen samples for radioactivity using a Geiger Counter? ..... Reading: nd  YES  NO
  6. Chain of Custody #: \_\_\_\_\_
  7. Were custody papers sealed in a plastic bag & taped inside to the lid? .....  YES  NO
  8. Were custody papers filled out properly (ink, signed, etc.)? .....  YES  NO
  9. Did you sign custody papers in the appropriate place? .....  YES  NO
  10. Was project identifiable from custody papers? .....  YES  NO
  11. If required, was enough ice used? ..... Cooler Temperature: 4 °C Type of ice: cubed  YES  NO
- B. LOG-IN PHASE: Date samples were logged-in: 5, 10, 00  
by (print): LAWTON GIBBON (sign): LAWTON GIBBON
12. Describe type of packing in cooler: \_\_\_\_\_
  13. Were all bottles sealed in separate plastic bags? ..... YES  NO
  14. Did all bottles arrive unbroken and were labels in good condition? .....  YES  NO
  15. Were all bottle labels complete (ID, date, time, signature, preservative, etc.)? .....  YES  NO
  16. Did all bottle labels agree with custody papers? .....  YES  NO
  17. Were correct containers used for the tests indicated? .....  YES  NO
  18. Were samples received at the correct pH? .....  YES  NO
  19. Was a sufficient amount of sample sent for tests indicated? .....  YES  NO
  20. Were bubbles absent in VOA samples? If NO, list by sample #: \_\_\_\_\_ YES  NO
  21. Laboratory labelling verified by: (Initials): LG (date): 5, 10, 00

**Jose Toledo**

**From:** Lisa Bolstad  
**Sent:** Tuesday, April 23, 2002 12:59 PM  
**To:** Jose Toledo  
**Subject:** RE: Mercury and Perchlorate results for Ceimic SDG RY050

Jose:

I think I do need the hardcopy. I don't remember ever seeing any RY samples.

Thanks!

Lisa

-----Original Message-----

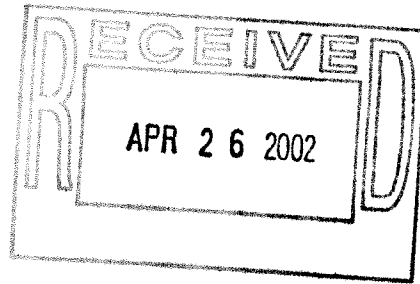
**From:** Jose Toledo  
**Sent:** Friday, February 01, 2002 12:12 PM  
**To:** Lisa Bolstad  
**Subject:** Mercury and Perchlorate results for Ceimic SDG RY050

Hi Lisa,

These results are for split samples sent to Ceimic in May 2000. Let me know if you need the hard copy results for these. Thanks.

-Jose

<< File: YRY050\_A.ZIP >> << File: MRY050\_A.ZIP >>





5510 MOREHOUSE DRIVE  
SAN DIEGO, CA 92121  
(619) 458-9044

# Chain of Custody

Control Number: **COC**

Date **5/18/00** Page 1 of 1

**Project Manager:** Dixie Hambrick  
**Project Name:** Rocketdyne  
**Project Number:** 313150002  
 Deliver results to the address above or as stated in contract

**Cooler No:**  
**QC Level:** Level 4  
**IAI:** 14-day hardcopy summary  
 28-day full package

**Bill To:** Purchasing  
**Company:** Ogdén Environmental  
**Address:** 5510 Morehouse Drive, San Diego, CA 92121

**Sample Disposal Instructions:** Laboratory Disposal  
**Shipment Method:**  
**Comment:**

**Preservatives**

HCL, PH<2	4: C
HCL, PH<2	4: C
H2SO4, PH<2	4: C
HNO3, PH<2	4: C
METALSRT	4: C
HEX CHROME	4: C
340.2	4: C
FLUORIDE	4: C
ANIONS	4: C
9045/9040	4: C
PH	4: C
8082	4: C
PCBS	4: C
IC HYDRAZ	4: C
HOLD	4: C

8021	VOC	4: C
80150G	TPH	4: C
8270SIM	SVOC	4: C
8270R	SVOC	4: C
8290	DIOXIN	4: C
ASTM D19	FORMALDEHYDE	4: C
8330	ORDINANCE	4: C
1LM2,RT	METALSRT	4: C
7196	HEX CHROME	4: C
340.2	FLUORIDE	4: C
ANIONS		4: C
9045/9040	PH	4: C
8082	PCBS	4: C
IC HYDRAZ		4: C
HOLD		4: C
Extra Volume		
MS/MSD		
Total # of Bottles		

**Matrix**

Soil	
Water	X
Product	X

**Sample Data**

Sample ID	Description (for Ogdén use only)	Depth	Date Collected	Time Collected	US Number	Lab ID
10250	ESWISSI I	5	5/18/00	1550	7	
10251	ESWISSI I		5/18/00	1600		

**For Lab Use**

Lab Number: \_\_\_\_\_

Do COC match samples: Y or N \_\_\_\_\_  
 Broken container: Y or N \_\_\_\_\_  
 Received within holding time: Y or N \_\_\_\_\_  
 COC seal intact: Y or N \_\_\_\_\_  
 Any other problems: Y or N \_\_\_\_\_  
 If any YES, Ogdén contacted: Y or N \_\_\_\_\_  
 Date contacted: \_\_\_\_ / \_\_\_\_ / \_\_\_\_  
 Temperature: \_\_\_\_ °C

**Samplers Signature:** [Signature] Date: 5/18/00 Time: 16:15  
**Relinquished BY:** [Signature] Date: 5/18/00 Time: 16:15  
**Received By:** [Signature] Date: 5/18/00 Time: 16:15  
**Relinquished By:** [Signature] Date: 5/18/00 Time: 16:15  
**Received By (LAB):** [Signature] Date: 5/18/00 Time: 16:15

## Chain of Custody

2002910  
(24)

Control Number: **COC**

Date: / / Page 1 of 1

Project Manager: Dixie Hambrick  
 Project Name: Rockettlyne  
 Project Number: 313150002  
 Deliver results to the address above or as stated in contract

Bill To: Purchasing  
 Company: Ogen Environmental  
 Address: 5510 Morehouse Drive, San Diego, CA 92121

Sample Disposal Instructions: Laboratory Disposal  
 Shipment Method:  
 Comment:

QC Level: Level 1  
 IAT: 14-day hardcopy summary  
 28-day full package

Preservatives	Temperature
HCL, pH<2	4°C
HCL, pH<2	4°C
8270SM SVOC	4°C
8270R SVOC	4°C
8290 DIOXIN	4°C
ASTM 319 FORMALDEHYDE	H2SO4, pH<2 4°C
8330 ORDINANCE	4°C
11MG2 IRT METALS RT	HNO3, pH<2 4°C
7196 HEX CHROME	4°C
340.2 FLUORIDE	4°C
300 ANIONS	4°C
9045/9040 pH	4°C
8082 PCBs	4°C
IC HYDRAZ	4°C
Sampling Method	
Extra Volume MS/MSD	
HOLD	
Total # of Bottles	

Sample ID	Description (for Ogen use only)	Depth	Date Collected	Time Collected	ULS Number	Lab ID	Matrix			8021 VOC	80150G TPH	8270SM SVOC	8270R SVOC	8290 DIOXIN	ASTM 319 FORMALDEHYDE	8330 ORDINANCE	11MG2 IRT METALS RT	7196 HEX CHROME	340.2 FLUORIDE	300 ANIONS	9045/9040 pH	8082 PCBs	IC HYDRAZ	Sampling Method	Extra Volume MS/MSD	HOLD	Total # of Bottles	
							Soil	Water	Product																			
R058	EVANWD1501	0	5/8/02	10:15	3																							
R053	EVANWD1501	0	5/9/02	11:15																								

Sample #s Signature: *[Signature]*  
 Date: 5/9/02 Time: 1300  
 Relinquished By: *[Signature]*  
 Date: 5/9/02 Time: 1500  
 Received By: *[Signature]*  
 Date: 5/9/02 Time: 1500  
 Relinquished By: *[Signature]*  
 Date: 5/9/02 Time: 1500  
 Received By (LAB): *[Signature]*  
 Date: 5/9/02 Time: 10:00

Lab Number:  
 Do COC match samples: Y or N  
 Broken container: Y or N  
 Received within holding time: Y or N  
 COC seal intact: Y or N  
 Any other problems: Y or N  
 If any YES, Ogen contacted: Y or N  
 Date contacted: / /  
 Temperature °C

For Lab Use

PLEASE FILTER!

5/9/02

# INDEX

Page #

Metals .....

Inorganic Analytes.....

## **PROJECT NARRATIVE**

## **Inorganic SDG Narrative**

**Client Case ID:** Rocketdyne  
**Ceimic Project No.:** 200290  
**SDG No.:** RY050

The following samples were received at Ceimic Corporation on May 10, 2000:

RY052

RY053 (MS/MSD)

The above samples were digested and analyzed for total mercury using SW846 methods 6010B/7470A in accordance with the Inorganic Statement of Work (SOW) ILM04.0.

### **Comments on Data Package:**

#### **QA/QC Samples:**

Inorganic Ventures (lot# P-CICP08035) was used for the mercury ICV and CCV samples. Environmental Resource Associates standard (lot#241) was used for the LCSS samples.

#### **Observations:**

Mercury analysis was performed via automated cold vapor atomic absorption spectroscopy (CVAA).

A "U" flag in the C column on the sample result forms (Form I-IN) indicates that the concentration of that analyte in the sample is undetected at the method detection limit (MDL). For the sample concentration reported between the Practical Quantitation Limit (PQL) and the instrument MDL, a "B" flag is shown in the C column on the Form I-IN.

#### **Deviations from Contract:**

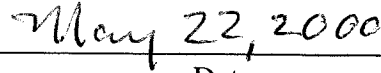
None.

End of case Narrative.

I certify that this data package is in compliance with the terms and conditions of the contract, 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.



Neil Pothier  
Laboratory Manager



Date

**CHAIN OF CUSTODY**



5510 MOREHOUSE DRIVE  
SAN DIEGO, CA 92121  
(619) 458-9044

# Chain of Custody

Control Number: **COC**

Date **5/18/00** Page 1 of 1

200290

(24)

<b>Project Manager:</b> Dixie Hambrick	<b>Bill To:</b> Purchasing
<b>Project Name:</b> Rocketdyne	<b>Company:</b> Ogden Environmental
<b>Project Number:</b> 313150002	<b>Address:</b> 5510 Morehouse Drive, San Diego, CA 92121
<b>Deliver results to the address above or as stated in contract</b>	
<b>Sample Disposal Instructions:</b> Laboratory Disposal	
<b>Shipment Method:</b>	
<b>Comment:</b>	

<b>Cooler No:</b>	<b>Preservatives:</b>
<b>QC Level:</b> Level 4	HCL, pH<2
<b>TAT:</b> 14-day hardcopy summary 28-day full package	HCL, pH<2

Sample Data				Matrix			For Lab Use																			
Sample ID	Description (for Ogden use only)	Depth	Date Collected	Time Collected	U/S Number	Lab ID	Soil	Water	Product	8021 VOC	80150G TPH	8270SIM SVOC	8270R SVOC	8290 DIOXIN	ASTM D19 FORMALDEHYDE	8330 ORDNANCE	1LM02JRT METALSRT	7196 HEX CHROME	340.2 FLUORIDE	300 ANIONS	9045/9040 PH	8082 PCBS	IC HYDRAZ	Total # of Bottles		
R250	F53W01S01	5	5/18/00	1550	1		X	X																		
R251	F50W01S01		5/18/00	1600																						

<b>Samplers Signature:</b> <i>[Signature]</i>	<b>Date:</b> 5/18/00	<b>Time:</b> 16:05
<b>Relinquished By:</b> <i>[Signature]</i>	<b>Date:</b> 5/18/00	<b>Time:</b> 16:15
<b>Received By:</b> <i>[Signature]</i>	<b>Date:</b>	<b>Time:</b>
<b>Relinquished By:</b>	<b>Date:</b>	<b>Time:</b>
<b>Received By (LAB):</b> <i>[Signature]</i>	<b>Date:</b> 5/18/00	<b>Time:</b> 16:00

Lab Number: \_\_\_\_\_

Do COC match samples: Y or N

Broken container: Y or N

Received within holding time: Y or N

COC seal intact: Y or N

Any other problems: Y or N

If any YES, Ogden contacted: Y or N

Date contacted: \_\_\_/\_\_\_/\_\_\_

Temperature °C



5510 MOREHOUSE DRIVE  
SAN DIEGO, CA 92121  
(619) 458-9044

# Chain of Custody

Control Number: **COC**

Date / / Page 1 of 1

200290  
(24)

Project Manager: Dixie Hambrick  
 Project Name: Rocketdyne  
 Project Number: 313150002  
 Deliver results to the address above or as stated in contract

Bill To: Purchasing  
 Company: Ogdan Environmental  
 Address: 5510 Morehouse Drive, San Diego, CA 92121

Sample Disposal Instructions: Laboratory Disposal  
 Shipment Method:  
 Comment:

Cooler No:  
 QC Level: Level4  
 TAT: 14-day hardcopy summary  
 28-day full package

Preservatives

HCL, pH<2	4°C
HCL, pH<2	4°C
H2SO4, pH<2	4°C
HNO3, pH<2	4°C
7196	4°C
340.2	4°C
FLUORIDE	4°C
300	4°C
ANIONS	4°C
9045/9040	4°C
PH	4°C
8082	4°C
PCBS	4°C
IC	4°C
HYDRAZ	4°C
MS/MSD	4°C
HOLD	4°C
Total # of Bottles	880

Sample ID	Description (for Ogdan use only)	Depth	Date Collected	Time Collected	Uls Number	Matrix		
						Soil	Water	Product
RV052	DLB501501	0	5/9/00	1300				
RV053	DLB501501	0	5/9/00	1300				
	EV5N01501		5/9/00	10:15	3			
	EV8W01501		5/9/00	11:15				

Sample ID	Method	Extra Volume	Total # of Bottles
8021	VOC		
80150G	TPH		
8270S1M	SVOC		
8270R	SVOC		
8290	DIOXIN		
ASTM D19	FORMALDEHYDE		
8330	ORDNANCE		
11M021RT	METALSRT		
7196	HEX CHROME		
340.2	FLUORIDE		
300	ANIONS		
9045/9040	PH		
8082	PCBS		
IC	HYDRAZ		
MS/MSD			
HOLD			
Total # of Bottles			880

Samplers Signature: [Signature]  
 Relinquished By: [Signature]  
 Received By: [Signature]  
 Relinquished By: [Signature]  
 Received By (LAB): [Signature]

Date	Time
5/9/00	1300
5/9/00	1500
5/10/00	10:00

Lab Number:  
 Do COC match samples: Y or N  
 Broken container: Y or N  
 Received within holding time: Y or N  
 COC seal intact: Y or N  
 Any other problems: Y or N  
 If any YES, Ogdan contacted: Y or N  
 Date contacted: \_\_\_/\_\_\_/\_\_\_  
 Temperature °C

For Lab Use  
**PLEASE FILTER!**

CEIMIC CORPORATION  
Sample Receiving Checklist

LIMS # 200290

Cooler Number: 1

Client: OGDEN

Number of Coolers: 1

Project: 313150002

Date Received: 5/10/00

- A. PRELIMINARY EXAMINATION PHASE: Date cooler was opened: 5, 10, 00
1. Have designated person initial here to acknowledge receipt of cooler: LG (date): 5, 10, 00
2. Did cooler come with a shipping slip (airbill, etc.)? .....  YES  NO  
If YES, enter carrier name & airbill number here: FX 821239931385
3. Were custody seals on outside of cooler? ..... YES  NO  
How many & where: \_\_\_\_\_ seal date:  / / seal name: \_\_\_\_\_
4. Were custody seals unbroken and intact at the date and time of arrival ..... YES  NO
5. Did you screen samples for radioactivity using a Geiger Counter? ..... Reading: nd  YES  NO
6. Chain of Custody #: \_\_\_\_\_
7. Were custody papers sealed in a plastic bag & taped inside to the lid? .....  YES  NO
8. Were custody papers filled out properly (ink, signed, etc.)? .....  YES  NO
9. Did you sign custody papers in the appropriate place? .....  YES  NO
10. Was project identifiable from custody papers? .....  YES  NO
11. If required, was enough ice used? ..... Cooler Temperature: 4 °C Type of ice: cubed  YES  NO
- B. LOG-IN PHASE: Date samples were logged-in: 5, 10, 00  
by (print): LAWTON GILBERT (sign): Lawton Gilbert
12. Describe type of packing in cooler: \_\_\_\_\_
13. Were all bottles sealed in separate plastic bags? ..... YES  NO
14. Did all bottles arrive unbroken and were labels in good condition? .....  YES  NO
15. Were all bottle labels complete (ID, date, time, signature, preservative, etc.)? .....  YES  NO
16. Did all bottle labels agree with custody papers? .....  YES  NO
17. Were correct containers used for the tests indicated? .....  YES  NO
18. Were samples received at the correct pH? .....  YES  NO
19. Was a sufficient amount of sample sent for tests indicated? .....  YES  NO
20. Were bubbles absent in VOA samples? If NO, list by sample#: \_\_\_\_\_ YES  NO
21. Laboratory labelling verified by: (Initials): LG (date): 5, 10, 00

**SURFACE WATER VALIDATION REPORTS**



DATA ASSESSMENT FORM

Project Title: Rocketdyne SSFL RFI  
Project Manager: D. Hambrick  
Analysis/Method: General Minerals by Method 314  
QC Level: V<sup>1</sup>  
SDG: 16423  
Matrix: Soil  
No. of Samples: 2  
Date Reviewed: April 12, 2001  
Reviewer: P. Meeks  
Reference: USEPA Contract Laboratory Program National Functional Guidelines For Inorganic Data Review (2/94)  
Samples Reviewed: RX050, RX051

Data Validation Findings

	Findings	Qualifications
1. <u>Sample Management</u>	No temperature information was provided. COCs match samples. Holding time exceeded for pH analyses.	No qualifications were required.
3. <u>Method Blanks</u>	No detects reported.	No qualifications were required.
5. <u>LCS/BS</u>	None performed.	No qualifications were required.
6. <u>Duplicates</u>	None performed.	No qualifications were required.
7. <u>MS/MSDs</u>	None performed.	No qualifications were required.
10. <u>Other</u>	Sample RX050 was analyzed at a 5x dilution.	No qualifications were required.
11. <u>Field QC Samples</u> ER/FB: None Field Duplicates: none	None.	No qualifications were required.
<u>Comments</u>	None	None

<sup>1</sup> Level V validation consists of cursory review of the summary forms only. The reported values on the summary forms are presumed to be correct and no verification of the values from the raw instrument output is performed.



Report Date: Tuesday, May 16, 2000
Received Date: Wednesday, May 10, 2000
Log By: mr
Log Time: 11:51

Client: Centrum Analytical Laboratories, Inc.
290 Tennessee Street
Redlands, CA 92373
Attn.: Maulu Escher

Phone: (909) 798-9336
FAX: (909) 793-1559

Project: Rocketdyne

P.O. #:
Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A003409-001
Sampled By: Client

Sample ID: RX050
Date: Not Provided

Matrix: Liquid
Source: 16423-8

Table with 10 columns: Parameter, Result, Units, Dilution Factor, RL, Method, Analyzed, Worksheet #, Rev, Qual Code. Row 1: Prep. Direct Inj. Perchlorate, ND, ug/L, 5, 20, EPA 314, 5/15/00 dc, WS14193, U

Lab#: A003409-002
Sampled By: Client

Sample ID: RX051
Date: Not Provided

Matrix: Liquid
Source: 16423-9

Table with 10 columns: Parameter, Result, Units, Dilution Factor, RL, Method, Analyzed, Worksheet #, Rev, Qual Code. Row 1: Prep. Direct Inj. Perchlorate, ND, ug/L, 1, 4.0, EPA 314, 5/12/00 dc, WS14193, U

CASE NARRATIVE:

Project No. 16423

Authorized Signature (Handwritten signature)

Notes:

- Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless specified.
RL = Reporting Limit.
ND = Not detected below the reporting limit.
TR = Trace detection, detected but below the RL.
J = Estimated value, detected but below the RL.
H = Estimated value, result is over the calibration range.
Sub = Subcontracted analysis, original report enclosed.

ELAP # 1132
LACSD # 10143

CERTIFIED VALIDATED
LEVEL V



550 South Wadsworth Boulevard, Suite 500, Lakewood, CO 80026  
303.935.6505, Fax 303.935.6575

## DATA ASSESSMENT FORM

Project Title: Rocketdyne SSFL RFI  
Project Manager: D. Hambrick  
Analysis/Method: General Minerals by 314.0  
QC Level: V<sup>1</sup>  
SDG: RY050  
Matrix: Water  
No. of Samples: 2  
Date Reviewed: January 14, 2003  
Reviewer: P. Meeks  
Reference: USEPA Contract Laboratory Program National Functional Guidelines For Inorganic Data Review (2/94)  
Samples Reviewed: RY050, RY051

### Data Validation Findings

	Findings	Qualifications
1. <u>Sample Management</u>	Temperature upon receipt was within the QC limits of $4^{\circ}\pm 2^{\circ}\text{C}$ . The COC accounted for the samples and analyses in this SDG. There were no custody seals present on the cooler. The perchlorate holding times were met.	No qualifications were required.
3. <u>Method Blanks</u>	One aqueous method blank was analyzed in association with the samples in this SDG. Perchlorate was not detected in the method blank.	No qualifications were required.
5. <u>LCS/BS</u>	One aqueous LCS was analyzed in association with the samples in this SDG. The recovery for perchlorate was within the laboratory-established control limits of 80-120%.	No qualifications were required.
6. <u>Duplicates</u> None	None.	No qualifications were required.
7. <u>MS/MSDs</u> RY051	The recoveries were above the laboratory-established control limits of 80-120% but the RPD was less than 20%.	As perchlorate was not detected in either site sample, no qualifications were required.

	Findings	Qualifications
10. <u>Other</u>	None.	No qualifications were required.
11. <u>Field QC Samples</u> ER: RJ630, RJ631, RJ636 (SDG RJ629) FB: RJ638 (SDG RJ629) Field duplicates: none	Perchlorate was detected in equipment rinsate RJ636, but was not detected in the site samples in this SDG.	No qualifications were required.
<u>Comments</u>	None	None

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<sup>1</sup> Level V validation consists of cursory review of the summary forms only. The reported values on the summary forms are presumed to be correct and no verification of the values from the raw instrument output is performed.

**CEIMIC  
Corporation**  
"Analytical Chemistry for Environmental Management"

INORGANIC ANALYTES

Client: Ogden Environmental

Client Sample ID: RY050

Date Sampled: 05/08/00

Laboratory ID: 200290-01

Date Sample Received: 05/10/00

Matrix: Aqueous

Target Analyte	Result	Units	Method Reporting Limit	Date Prep'd	Date Analyzed	Rev Qual	Qual Code
Perchlorate	ND	mg/L	0.005	05/12/00	05/12/00	U	

ND = Not Detected

**AMEC VALIDATED**

Reported by: \_\_\_\_\_

*Jeffrey D. Maymon*

Approved by: \_\_\_\_\_

*[Signature]*

**CEIMIC  
Corporation**  
*"Analytical Chemistry for Environmental Management"*

INORGANIC ANALYTES

Client: Ogden Environmental

Client Sample ID: RY051

Date Sampled: 05/08/00

Laboratory ID: 200290-02

Date Sample Received: 05/10/00

Matrix: Aqueous

Target Analyte	Result	Units	Method Reporting Limit	Date Prep'd	Date Analyzed	Per Qual	Qual Code
Perchlorate	ND	mg/L	0.005	05/12/00	05/12/00	U	

ND = Not Detected

**AMEC VALIDATED**  
**LEVEL V**

Reported by: Jeffrey P. Mayman

Approved by: [Signature]



550 South Wadsworth Boulevard, Suite 500, Lakewood, CO 80026  
303.935.6505, Fax 303.935.6575

## DATA ASSESSMENT FORM

Project Title: Rocketdyne SSFL RFI  
Project Manager: D. Hambrick  
Analysis/Method: Perchlorate by 314.0  
QC Level: V<sup>1</sup>  
SDG: IMC1010  
Matrix: Water  
No. of Samples: 15  
Date Reviewed: June 13, 2003  
Reviewer: A. Lamirato  
Reference: USEPA Contract Laboratory Program National Functional Guidelines For Inorganic Data Review (2/94)  
Samples Reviewed: MJ210, MJ211, MJ212, MJ213, MJ214, MJ215, MJ216, MJ217, MJ218, MJ219, MJ220, MJ221, MJ222, MJ223, MJ224

### Data Validation Findings

	Findings	Qualifications
1. <u>Sample Management</u>	The samples were received within the QC limits of 4°±2°C. The COC matched the samples and accounted for the analyses presented in this SDG. No custody seal information was provided by the laboratory. The 28 day perchlorate analytical holding time was met.	No qualifications were required.
3. <u>Method Blanks</u>	Perchlorate was not detected in the method blanks.	No qualifications were required.
5. <u>LCS/BS</u>	The recoveries were within the laboratory-established control limits of 85-115%.	No qualifications were required.
6. <u>Duplicates</u> None	None.	No qualifications were required.
7. <u>MS/MSDs</u> MJ210, MJ211, MJ212, MJ213, MJ214, MJ218, MJ220	MS/MSD analyses were performed on sample MJ220. The MS/MSD recoveries were within the control limits of 75-125%. The RPD was within the control limits of ±25%.  Due to high conductivity, MS analyses were performed for samples MJ210, MJ211, MJ212, MJ213, MJ214, and MJ218. The recoveries were above the control limits of 75-125% for samples MJ213 and MJ214.	Perchlorate detected in samples MJ213 and MJ214 was qualified as estimated, "J."
10. <u>Other</u>	None.	No qualifications were required.

	Findings	Qualifications
II. <u>Field QC Samples</u>  Field duplicates: None Equipment rinsate: MJ209	Sample MJ209 was identified as the equipment rinsate associated with the samples in this SDG. Perchlorate was not detected in MJ209.	No qualifications were required.
<u>Comments</u>	None	None

<sup>1</sup> Level V validation consists of cursory review of the summary forms only. The reported values on the summary forms are presumed to be correct and no verification of the values from the raw instrument output is performed.



MWH-San Diego  
1230 Columbia Street, Suite 750  
San Diego, CA 92101  
Attention: Lisa J. Tucker

Project ID: BOEING SSFL RFI

Report Number: IMC1010

Sampled: 03/15/03  
Received: 03/15/03

INORGANICS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMC1010-01 (MJ210 - Water)								
Reporting Units: ug/l								
Perchlorate	EPA 314.0	3C20031	40	170	10	3/20/2003	3/21/2003	
Sample ID: IMC1010-02 (MJ211 - Water)								
Reporting Units: ug/l								
Perchlorate	EPA 314.0	3C20031	40	86	10	3/20/2003	3/21/2003	
Sample ID: IMC1010-03 (MJ212 - Water)								
Reporting Units: ug/l								
Perchlorate	EPA 314.0	3C20031	4.0	6.1	1	3/20/2003	3/21/2003	
Sample ID: IMC1010-04 (MJ213 - Water)								
Reporting Units: ug/l								
Perchlorate	EPA 314.0	3C20031	4.0	54	1	3/20/2003	3/21/2003	J 9
Sample ID: IMC1010-05 (MJ214 - Water)								
Reporting Units: ug/l								
Perchlorate	EPA 314.0	3C20031	4.0	19	1	3/20/2003	3/21/2003	J 9
Sample ID: IMC1010-06 (MJ215 - Water)								
Reporting Units: ug/l								
Perchlorate	EPA 314.0	3C20031	4.0	ND	1	3/20/2003	3/21/2003	U
Sample ID: IMC1010-07 (MJ216 - Water)								
Reporting Units: ug/l								
Perchlorate	EPA 314.0	3C20031	4.0	ND	1	3/20/2003	3/21/2003	U
Sample ID: IMC1010-08 (MJ217 - Water)								
Reporting Units: ug/l								
Perchlorate	EPA 314.0	3C20031	4.0	ND	1	3/20/2003	3/21/2003	U

Low Qual  
Qual Code  
J 9  
J 9  
U  
U  
U

AMEC VALIDATED

LEVEL V

Del Mar Analytical, Irvine  
Michele Harper  
Project Manager Supervisor



MWH-San Diego  
1230 Columbia Street, Suite 750  
San Diego, CA 92101  
Attention: Lisa J. Tucker

Project ID: BOEING SSFL RFI

Report Number: IMC1010

Sampled: 03/15/03  
Received: 03/15/03

INORGANICS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMC1010-09 (MJ218 - Water)								
Reporting Units: ug/l								
Perchlorate	EPA 314.0	3C20031	4.0	4.3	1	3/20/2003	3/21/2003	
Sample ID: IMC1010-10 (MJ219 - Water)								
Reporting Units: ug/l								
Perchlorate	EPA 314.0	3C21059	4.0	ND	1	3/21/2003	3/21/2003	U
Sample ID: IMC1010-11 (MJ220 - Water)								
Reporting Units: ug/l								
Perchlorate	EPA 314.0	3C21059	4.0	ND	1	3/21/2003	3/21/2003	U
Sample ID: IMC1010-12 (MJ221 - Water)								
Reporting Units: ug/l								
Perchlorate	EPA 314.0	3C21059	4.0	ND	1	3/21/2003	3/21/2003	U
Sample ID: IMC1010-13 (MJ222 - Water)								
Reporting Units: ug/l								
Perchlorate	EPA 314.0	3C21059	4.0	ND	1	3/21/2003	3/21/2003	U
Sample ID: IMC1010-14 (MJ223 - Water)								
Reporting Units: ug/l								
Perchlorate	EPA 314.0	3C21059	4.0	ND	1	3/21/2003	3/21/2003	U
Sample ID: IMC1010-15 (MJ224 - Water)								
Reporting Units: ug/l								
Perchlorate	EPA 314.0	3C21059	4.0	ND	1	3/21/2003	3/21/2003	U

Lisa J. Tucker  
David Cook

AMEC VALIDATED

LEVEL V

Del Mar Analytical, Irvine  
Michele Harper  
Project Manager Supervisor

# DATA VALIDATION REPORT

ROCKETDYNE  
SSFL RFI Program

ANALYSIS: METALS

SAMPLE DELIVERY GROUP: IMB0949

Prepared by

AMEC—Denver Operations

550 South Wadsworth Boulevard, Suite 500  
Lakewood, Colorado 80226

## 1. INTRODUCTION

Project: Rocketdyne, SSFL RFI Program  
Contract Task Order #: 313150006  
SDG#: IMB0949  
Project Manager: D. Hambrick  
Matrix: water  
Analysis: Metals  
QC Level: IV  
No. of Samples: 4  
No. of Reanalyses/Dilutions: 0  
Reviewer: P. Meeks  
Date of Review: April 21, 2003

The samples listed in Table 1 were validated based on the guidelines outlined in the *AMEC Data Validation Procedure for Levels C and D metals and cyanide* (DVP-5, Rev. 2), *USEPA SW-846 Methods 7470A* (09/94), *USEPA Methods 245.1* (01/96) and *200.7* (01/96), and the *National Functional Guidelines for Inorganic Data Review* (2/94). Any deviations from these procedures and guidelines are documented herein. Qualifiers were applied in cases where the data did not meet the required QC criteria or where special consideration by the data user is required. Data qualifiers were placed on the Sample Result Forms with the associated qualification codes. Analytes that were rejected for any reason are denoted on the Form I as having only the "R" data qualifier and associated qualification code(s) denoting the reason for rejection. Any additional problems with the data that may have resulted in an estimated value were not denoted by a qualification code since the data had already been rejected.

**Table 1. Sample identification**

Client ID	EPA ID	Laboratory ID	Matrix	COC Method
FSSW02S01	MJ121	IMB0949-09	water	mercury
FSSW03S01	MJ122	IMB0949-10	water	mercury
A2SW01S01	MJ123	IMB0949-11	water	lead
ILSW01S01	MJ124	IMB0949-12	water	lead

## **2. DATA VALIDATION FINDINGS**

### **2.1 SAMPLE MANAGEMENT**

Following are findings associated with sample management:

#### **2.1.1 Sample Preservation, Handling, and Transport**

The samples arrived above the temperature limit of 4 " 2EC, at 17 EC; however, due to the nonvolatile nature of the analytes, no qualifications were required. No preservation was noted in the field; however, the COC noted that the samples were to be preserved at the laboratory. The case narrative noted that the samples were received intact. No qualifications were required.

#### **2.1.2 Chain of Custody**

The COC in the package was legible and was signed by the field and laboratory personnel. The COC accounted for the samples in this SDG; however, a correcting memo was issued by Montgomery Watson personnel on 02/17/03, changing the client IDs for all samples in this SDG. The correct IDs are listed in the sample ID table. The samples were noted to be intact upon receipt. There was no documentation as to whether custody seals were present on the sample containers. No qualifications were required.

#### **2.1.3 Holding Times**

The date of collection recorded on the COC and the date of analysis recorded in the raw data documented that all sample analyses were performed within the specified holding times of six months for lead and 28 days for mercury. No qualifications were assigned to sample results.

### **2.2 CALIBRATION**

All ICV and CCV results provided on the Form IIs showed acceptable %Rs, 90-110% for lead and 80-120% for mercury.

ICP CRDL standards are generally not evaluated for this project; however, the reviewer noted that no CRDL standards were analyzed in association with the samples in this SDG. No qualifications were required.

### **2.3 BLANKS**

There were no detects or negative results in the method blanks and the CCBs associated with the samples in this SDG. No qualifications were required.

### **2.4 ICP INTERFERENCE CHECK SAMPLE (ICP ICS)**

DATA VALIDATION REPORT

The results for the ICSA analyses were within the established control limits of 80-120%. No ICSAB solution was analyzed. No qualifications were required.

## 2.5 BLANK SPIKES AND LABORATORY CONTROL SAMPLES

Aqueous LCS samples were analyzed in association with the samples in this SDG. The LCS results reported on the summary form were within the laboratory-established control limits of 85-115% and no qualifications were required.

## 2.6 LABORATORY DUPLICATES

No laboratory duplicate analyses were performed in association with the samples in this SDG; therefore, no assessment was made with respect to this criterion.

## 2.7 MATRIX SPIKE/MATRIX SPIKE DUPLICATE

No matrix spike/matrix spike duplicate analyses were performed in association with the samples in this SDG; therefore, no assessment was made with respect to this criterion.

## 2.8 FURNACE ATOMIC ABSORPTION QC

Furnace atomic absorption was not utilized for the analysis of these samples; therefore, furnace atomic absorption QC is not applicable.

## 2.9 ICP SERIAL DILUTION

No ICP serial dilution analyses were performed in association with the samples in this SDG; therefore, no assessment was made with respect to this criterion.

## 2.10 SAMPLE RESULT VERIFICATION

An EPA Level IV review was performed for the samples in this data package. The sample results were verified against the instrument output and were found to be acceptable for the lead and mercury analyses. A representative number of calculations were verified from the raw data and no errors or transcription errors were found. No qualifications were required.

## 2.11 FIELD QC SAMPLES

Field QC samples were evaluated, and if necessary, qualified based only on laboratory blanks. Any remaining detects are used to evaluate the associated samples.

**2.11.1 Field Blanks and Equipment Rinsates**

There were no field QC samples associated with the samples in this SDG. No qualifications were required.

**2.11.2 Field Duplicates**

There were no field duplicate pairs associated with this package. Field duplicates are required at a rate of 10% per matrix for site samples; consequently, field duplicates are not required in every package.



MWH-San Diego  
1230 Columbia Street, Suite 750  
San Diego, CA 92101  
Attention: Lisa J. Tucker

Project ID: 1890705.0116

Report Number: IMB0949

Sampled: 02/14/03

Received: 02/15/03

**METALS**

Analyte	Method	Batch	Reporting	Sample	Dilution	Date	Date	Data		
			Limit	Result				Factor	Extracted	Analyzed
			mg/l	mg/l					Rev Qual	Qual Code
Sample ID: IMB0949-09 (MJ121 - Water)										
Mercury	EPA 245.1	3B20046	0.00020	ND	1	2/20/2003	2/20/2003		U	
Sample ID: IMB0949-10 (MJ122 - Water)										
Mercury	EPA 245.1	3B20046	0.00020	ND	1	2/20/2003	2/20/2003			
Sample ID: IMB0949-11 (MJ123 - Water)										
Lead	EPA 200.7	3B19061	0.0050	ND	1	2/19/2003	2/20/2003			
Sample ID: IMB0949-12 (MJ124 - Water)										
Lead	EPA 200.7	3B19061	0.0050	<b>0.012</b>	1	2/19/2003	2/20/2003			

**AMEC VALIDATED**

**LEVEL IV**

Del Mar Analytical, Irvine  
Michele Harper  
Project Manager Supervisor

**CONTRACT COMPLIANCE SCREENING FORM FOR HARDCOPY DATA**

AMEC Earth & Environmental  
 550 South Wadsworth Boulevard  
 Suite 500  
 Lakewood, CO 80226

Package ID T702WC16  
 Task Order 313150006  
 SDG No. IMB0949  
 No. of Analyses 13

Laboratory Del Mar  
 Reviewer P. Meeks  
 Analysis/Method General Minerals

Date: <u>April 9, 2003</u>
Reviewer's Signature <u>P. Meeks</u>

ACTION ITEMS <sup>a</sup>	
1. Case Narrative Deficiencies	  
2. Out of Scope Analyses	  
3. Analyses Not Conducted	  
4. Missing Hardcopy Deliverables	  
5. Incorrect Hardcopy Deliverables	  
6. Deviations from Analysis Protocol, e.g.,	<u>Qualifications were applied for calibration and matrix spike recovery outliers.</u>
Holding Times	
GC/MS Tune/Inst. Perform	
Calibrations	
Blanks	
Surrogates	
Matrix Spike/Dup LCS	
Field QC	
Internal Standard Per- formance	
Compound Identifica- tion and Quantitation	
System Performance	
<b>COMMENTS<sup>b</sup></b>	
<sup>a</sup> Subcontracted analytical laboratory is not meeting contract and/or method requirements.	
<sup>b</sup> Differences in protocol have been adopted by the laboratory but no action against the laboratory is required.	

## Data Qualifier Reference Table

Qualifier	Organics	Inorganics
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.	The associated value is an estimated quantity.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."	Not applicable.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	Not applicable.
UJ	The analyte was not deemed 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.	The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet quality control criteria. The presence or absence of the analyte cannot be verified.	The data are unusable. (Note: Analyte may or may not be present).

## Qualification Code Reference Table

Qualifier	Organics	Inorganics
H	Holding times were exceeded.	Holding times were exceeded.
S	Surrogate recovery was outside QC limits.	The sequence or number of standards used for the calibration was incorrect
C	Calibration %RSD or %D were noncompliant.	Correlation coefficient is <0.995.
R	Calibration RRF was <0.05.	%R for calibration is not within control limits.
B	Presumed contamination from preparation (method) blank.	Presumed contamination from preparation (method) or calibration blank.
L	Laboratory Blank Spike/Blank Spike Duplicate %R was not within control limits.	Laboratory Control Sample %R was not within control limits.
Q	MS/MSD recovery was poor or RPD high.	MS recovery was poor.
E	Not applicable.	Duplicates showed poor agreement.
I	Internal standard performance was unsatisfactory.	ICP ICS results were unsatisfactory.
A	Not applicable.	ICP Serial Dilution %D were not within control limits.
M	Tuning (BFB or DFTPP) was noncompliant.	Not applicable.
T	Presumed contamination from trip blank.	Not applicable.
+	False positive – reported compound was not present. Not applicable.	
-	False negative – compound was present but not reported.	Not applicable.
F	Presumed contamination from FB, or ER.	Presumed contamination from FB or ER.
\$	Reported result or other information was incorrect.	Reported result or other information was incorrect.
?	TIC identity or reported retention time has been changed.	Not applicable.
D	The analysis with this flag should not be used because another more technically sound analysis is available.	The analysis with this flag should not be used because another more technically sound analysis is available.
P	Instrument performance for pesticides was poor.	Post Digestion Spike recovery was not within control limits.
*#	Unusual problems found with the data that have been described in Section 1, "Data Validation Findings." The number following the asterisk (*) will indicate the subsection where a description of the problem can be found.	Unusual problems found with the data that have been described in Section 1, "Data Validation Findings." The number following the asterisk (*) will indicate the subsection where a description of the problem can be found.

The logo for AMEC, featuring the word "amec" in a bold, lowercase, sans-serif font. To the right of the text is a stylized graphic element consisting of a vertical line that curves into a circular shape, resembling a hook or a stylized letter 'J'.

# DATA VALIDATION REPORT

ROCKETDYNE  
SSFL RFI Program

ANALYSIS: GENERAL MINERALS  
SAMPLE DELIVERY GROUP: IMB0949

Prepared by

AMEC—Denver Operations  
550 South Wadsworth Boulevard, Suite 500  
Lakewood, Colorado 80226

## 1. INTRODUCTION

Project: Rocketdyne Shallow Groundwater  
Contract Task Order #: 313150006  
SDG#: IMB0949  
Project Manager: D. Hambrick  
Matrix: Water  
Analysis: General Minerals  
QC Level: IV  
No. of Samples: 13  
No. of Reanalyses/Dilutions: 0  
Reviewer: P. Meeks  
Date of Review: March 28, 2003

The samples listed in Table 1 were validated based on the guidelines outlined in the *AMEC Data Validation Procedures SOP DVP-6, Rev. 2, Wet Chemistry Analysis* and the *National Functional Guidelines for Inorganic Data Review (2/94)*. Any deviations from these procedures and guidelines are documented herein. Qualifiers were applied in cases where the data did not meet the required QC criteria or where special consideration by the data user is required. Data qualifiers were placed on the Sample Result Forms with the associated qualification codes. Analytes that were rejected for any reason are denoted on the Form I as having only the "R" data qualifier and associated qualification code(s) denoting the reason for rejection. Any additional problems with the data that may have resulted in an estimated value were not denoted by a qualification code since the data had already been rejected.

**Table 1. Sample identification**

Client ID	EPA ID	Laboratory ID	Matrix	COC Method
HVSW01S01	MJ113	IMB0949-01	water	314.0
HVSW02S01	MJ114	IMB0949-02	water	314.0
HVSW03S01	MJ115	IMB0949-03	water	314.0
HVSW04S01	MJ116	IMB0949-04	water	314.0
HVSW05S01	MJ117	IMB0949-05	water	314.0
HVSW06S01	MJ118	IMB0949-06	water	314.0
HVSW07S01	MJ119	IMB0949-07	water	314.0
HVSW08S01	MJ120	IMB0949-08	water	314.0
FSSW04S01	MJ121	IMB0949-09	water	314.0
FSSW05S01	MJ122	IMB0949-10	water	314.0
A2SW01S01	MJ123	IMB0949-11	water	314.0
ILSW01S01	MJ124	IMB0949-12	water	314.0
OSSW01S01	MJ125	IMB0949-13	water	314.0

## 2. DATA VALIDATION FINDINGS

### 2.1 SAMPLE MANAGEMENT

Following are findings associated with sample management:

#### 2.1.1 Sample Preservation, Handling, and Transport

The samples arrived above the temperature limit of  $4 \pm 2^{\circ}\text{C}$ , at  $17^{\circ}\text{C}$ ; however, due to the nonvolatile nature of the analyte, no qualifications were required. The analysis did not require preservation, and no preservation was noted in the field. The case narrative noted that the samples were received intact. No qualifications were required.

#### 2.1.2 Chain of Custody

The COC in the package was legible and was signed by the field and laboratory personnel. The COC accounted for the samples in this SDG; however, a correcting memo was issued by Montgomery Watson personnel on 02/17/03, changing the client IDs for all samples in this SDG. The client IDs for samples MJ121 and MJ122 were changed again, in a memo from Montgomery Watson personnel dated 11/10/03. The correct IDs are listed in the sample ID table. There were no sample condition questions on the COC and no receipt checklist was included. There was no documentation as to whether custody seals were present on the sample containers. No qualifications were required.

#### 2.1.3 Holding Times

Holding times were assessed by comparing the dates of collection with the dates of analysis. The 28 day holding time for the perchlorate analyses was met. No qualifications were necessary.

### 2.2 CALIBRATION

The initial calibration correlation coefficient was  $\geq 0.995$ . The IPC-MA dated 02/18/03 was recovered below the control limit at 76.4%; therefore, the perchlorate results for associated samples MJ113 and MJ114 were qualified as estimated, "J." The CCV1 dated 02/19/03 was recovered above the control limit at 118.0%; therefore, the perchlorate results for associated samples MJ115 and MJ116 were qualified as estimated, "J." The remaining IPC, ICV, and continuing calibration information for the perchlorate analysis were acceptable with recoveries within the control limits of 90%-110%. No further qualifications were required.

### 2.3 BLANKS

The perchlorate results reported on the summary form and in the raw data for blank analyses associated with these samples were nondetects at the reporting limit, and no qualifications were necessary.

## 2.4 BLANK SPIKES AND LABORATORY CONTROL SAMPLES

The laboratory control sample %Rs were within the laboratory-established control limits of 85%-115%. No qualifications were required.

## 2.5 LABORATORY DUPLICATES

No laboratory duplicate analyses were performed in association with the samples in this SDG; therefore, no assessment was made with respect to this criteria.

## 2.7 MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Matrix spike analyses were performed on samples MJ113, MJ114, MJ115, MJ116, MJ117, and MJ120 in association with the samples in this SDG. The recoveries for MJ113, MJ114, and MJ115 were within the laboratory-established control limits of 80-120%. The recoveries for MJ116, MJ117, and MJ120 were above the QC limit at 125%, 127%, and 128%, respectively. As samples MJ113, MJ114, and MJ115 exhibited acceptable matrix spike recoveries, only perchlorate detected in sample MJ116 was qualified as estimated, "J." No further qualifications were required.

## 2.8 SAMPLE RESULT VERIFICATION

An EPA Level IV review was performed for all samples in this data package. Calculations were verified, sample results reported on the Form Is were verified against the raw data, and no transcription errors or calculations errors were noted. No qualifications were necessary.

## 2.9 FIELD QC SAMPLES

Field QC samples were evaluated, and if necessary, qualified based only on laboratory blanks. Any remaining detects are used to evaluate the associated samples.

### 2.9.1 Field Blanks and Equipment Rinsates

The samples in this SDG had no associated field QC samples; therefore, no assessment was made with respect to this criterion. No qualifications were necessary.

### 2.9.2 Field Duplicates

There were no field duplicate pairs associated with this package; therefore, no assessment was made with respect to this criterion.



MWH-San Diego  
1230 Columbia Street, Suite 750  
San Diego, CA 92101  
Attention: Lisa J. Tucker

Project ID: 1890705.0116

Report Number: IMB0949

Sampled: 02/14/03  
Received: 02/15/03

INORGANICS

Analyte	Method	Batch	Reporting	Sample	Dilution	Date	Date	Data	
			Limit	Result					Factor
			ug/l	ug/l				Rev	Qual
								Qual	Code
Sample ID: IMB0949-01 (MJ113 - Water)									
Perchlorate	EPA 314.0	3B18029	4.0	38	1	2/18/2003	2/18/2003	J	R
Sample ID: IMB0949-02 (MJ114 - Water)									
Perchlorate	EPA 314.0	3B18029	4.0	13	1	2/18/2003	2/18/2003	J	R
Sample ID: IMB0949-03 (MJ115 - Water)									
Perchlorate	EPA 314.0	3B19031	4.0	10	1	2/19/2003	2/19/2003	J	R
Sample ID: IMB0949-04 (MJ116 - Water)									
Perchlorate	EPA 314.0	3B19031	4.0	7.5	1	2/19/2003	2/19/2003	J	Q, R
Sample ID: IMB0949-05 (MJ117 - Water)									
Perchlorate	EPA 314.0	3B19031	4.0	ND	1	2/19/2003	2/19/2003	U	
Sample ID: IMB0949-06 (MJ118 - Water)									
Perchlorate	EPA 314.0	3B19031	4.0	ND	1	2/19/2003	2/19/2003		
Sample ID: IMB0949-07 (MJ119 - Water)									
Perchlorate	EPA 314.0	3B19031	4.0	ND	1	2/19/2003	2/19/2003		
Sample ID: IMB0949-08 (MJ120 - Water)									
Perchlorate	EPA 314.0	3B19031	4.0	ND	1	2/19/2003	2/19/2003		

AMEC VALIDATED

LEVEL IV

Del Mar Analytical, Irvine  
Michele Harper  
Project Manager Supervisor



MWH-San Diego  
1230 Columbia Street, Suite 750  
San Diego, CA 92101  
Attention: Lisa J. Tucker

Project ID: 1890705.0116

Report Number: IMB0949

Sampled: 02/14/03  
Received: 02/15/03

INORGANICS

Analyte	Method	Batch	Reporting	Sample	Dilution	Date	Date	Data	
			Limit						Result
			ug/l	ug/l				Rev Qual	Qual Code
Sample ID: IMB0949-09 (MJ121 - Water)									
Perchlorate	EPA 314.0	3B19031	4.0	ND	1	2/19/2003	2/19/2003	U	
Sample ID: IMB0949-10 (MJ122 - Water)									
Perchlorate	EPA 314.0	3B19031	4.0	ND	1	2/19/2003	2/19/2003		
Sample ID: IMB0949-11 (MJ123 - Water)									
Perchlorate	EPA 314.0	3B19031	4.0	ND	1	2/19/2003	2/19/2003		
Sample ID: IMB0949-12 (MJ124 - Water)									
Perchlorate	EPA 314.0	3B19031	4.0	ND	1	2/19/2003	2/19/2003		
Sample ID: IMB0949-13 (MJ125 - Water)									
Perchlorate	EPA 314.0	3B19031	4.0	ND	1	2/19/2003	2/20/2003		↓

AMEC VALIDATED

LEVEL IV

Del Mar Analytical, Irvine  
Michele Harper  
Project Manager Supervisor

**SURFACE WATER – NOT VALIDATED**



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2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

Ordered By

Department of Toxic Substance Contl  
8800 Cal Center Drive Suite 3  
Sacramento, CA 95827-2106

Number of Pages 6

Date Received 02/14/2003

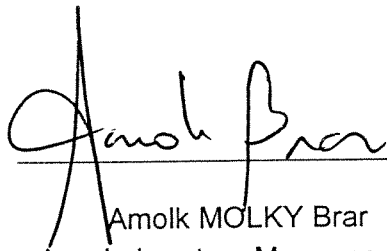
Date Reported 02/24/2003

Telephone (916) 255-3602  
Attn Peter Bailey

Job Number	Ordered	Client
17061	02/14/2003	DTSC

Project ID: 22120-530033  
Project Name: Rocketdyne  
Site: Top Of Woolsey Canyon

Enclosed are the results of analyses on 17 samples analyzed as specified on attached chain of custody.

  
Amolk MOLKY Brar  
Laboratory Manager

  
Rojert G. Araghi  
Laboratory Director

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

- 1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
- 2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.



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COC# N<sub>o</sub> 23775 GLOBAL ID

ELECTRONIC REPORT:  EDF  EDD ASL JOB# 17061

LAB USE ONLY		SAMPLE DESCRIPTION				CONTAINER(S)		Matrix	Preservation	Remarks
Lab ID	Sample ID	Date	Time	#	Type					
103271	S5FL-w-91K	2-14-03	0953	1	Plastic		Water	ice	✓	
103272	92K		1023	1					✓	
103273	93K		1042	1					✓	
103274	94K		1056	1					✓	
103275	95K		1100	1					✓	
103276	96K		1115	1					✓	
103277	97K		1140	1					✓	
103278	98K		1200	1					✓	
103279	99K		1300	1					✓	
103280	S5FL-w-99J	2-14-03	1300	2	Plastic		Water	ice	✓	

Company: <u>ITS C</u>	Report To: <u>Peter Bailey</u>	ANALYSIS REQUESTED
Address: <u>8800 Cal Center</u>	Address: <u>8800 Cal Center</u>	
Site Address: <u>Top of Woolsey Canyon</u>	Invoice To: <u>Boeing</u>	
Telephone: <u>916-255-3602</u>	Address: <u>GAMS</u>	
Fax: <u>916-255-3596</u>		
Special Instruction:	P.O.#:	
Project ID: <u>22120-530033</u>		
Project Manager: <u>Gerard Abrams</u>		

Collected By: <u>Peter Bailey</u>	Date: <u>2-14-03</u>	Time: <u>1800</u>	Relinquished By:	Date:	Time:
Relinquished By: <u>[Signature]</u>	Date: <u>2-14-03</u>	Time: <u>1800</u>	Received For Laboratory	Date: <u>2/14/03</u>	Time: <u>6:00</u>
Condition of Sample:					

C H A I N C O F C L U S T E R Y F E C C F I



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COC# N<sup>o</sup> 23776 GLOBAL ID \_\_\_\_\_ ELECTRONIC REPORT:  EDF  EDD ASL JOB# 17061

LAB USE ONLY		SAMPLE DESCRIPTION				CONTAINER(S)		Matrix		Preservation		ANALYSIS REQUESTED	
Lab ID	Sample ID	Date	Time	#	Type	Matrix	Preservation	Matrix	Preservation	Remarks	Date	Time	TAT
103281	SSFL-W-100K	2-14-03	1315	1	Plastic	Water	ice	Water	ice				
103282	-100J		1315	1									
103283	-101K		1340	1									
103284	-101S		1340	1									
103285	-102K		1410	1									
103286	-102S		1410	1									
103287	SSFLW-103K	2-14-03	1525	1	Plastic	Water	ice	Water	ice				

Company: DTSC  
 Address: 8800 Cal Center  
 Sacramento CA  
 Telephone: 916-255-3602  
 Fax: 916-255-3596  
 Special Instruction: \_\_\_\_\_

Project Name: rocketdyme  
 Site Address: Top of Woodsey Canyon  
 Project ID: 530033  
22120.300381

Report To: Peter Bailey  
 Address: 8800 Cal Center  
 Invoice To: Pete Bailey  
 Address: SHMS

Project Manager: Geard Abrams  
 P.O.#: \_\_\_\_\_

Collected By: Peter Bailey Date 2-14-03 Time 1800  
 Relinquished By: [Signature] Date 2-14-03 Time 1800  
 Relinquished By: [Signature] Date 2/14/03 Time 6:00  
 Received For Laboratory [Signature]  
 TAT  Normal  Rush



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ANALYTICAL RESULTS

**Ordered By**

Department of Toxic Substance Contl  
 8800 Cal Center Drive  
 Suite 3  
 Sacramento, CA 95827-2106

**Site**

Top Of Woolsey Canyon

Telephone: (916)255-3602

Attn: Peter Bailey

Page: 2  
 Project ID: 22120-530033  
 Project Name: Rocketdyne

Job Number	Order Date	Client
17061	02/14/2003	DTSC

Method: 314.0, Perchlorate by Ion Chromatography

**Batch No:**

Our Lab I.D.		103271	103272	103273	103274	103275
Sample ID		SSFL-W-91K	SSFL-W-92K	SSFL-W-93K	SSFL-W-94K	SSFL-W-95K
Date Sampled		02/14/2003	02/14/2003	02/14/2003	02/14/2003	02/14/2003
Date Extracted		02/20/2003	02/20/2003	02/20/2003	02/20/2003	02/20/2003
Preparation Method						
Date Analyzed		02/20/2003	02/20/2003	02/20/2003	02/20/2003	02/20/2003
Matrix		Water	Water	Water	Water	Water
Units		ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limit Multiplier		1	1	1	1	1
<b>Analytes</b>	<b>PQL</b>	<b>Results</b>	<b>Results</b>	<b>Results</b>	<b>Results</b>	<b>Results</b>
<b>Conventionals</b>						
Perchlorate	2.00	37	13	11	8.3	ND

QUALITY CONTROL REPORT

**Batch No:**

Analytes	LCS % REC	LCS/LCSD % Limit							
<b>Conventionals</b>									
Perchlorate	108	80-120							



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ANALYTICAL RESULTS

Ordered By

Department of Toxic Substance Cont'l  
 8800 Cal Center Drive  
 Suite 3  
 Sacramento, CA 95827-2106

Site

Top Of Woolsey Canyon

Telephone: (916)255-3602

Attn: Peter Bailey

Page: 3  
 Project ID: 22120-530033  
 Project Name: Rocketdyne

Job Number	Order Date	Client
17061	02/14/2003	DTSC

Method: 314.0, Perchlorate by Ion Chromatography

Batch No:

Our Lab I.D.		103276	103277	103278	103279	103281
Sample ID		SSFL-W-96K	SSFL-W-97K	SSFL-W-98K	SSFL-W-99K	SSFL-W-100K
Date Sampled		02/14/2003	02/14/2003	02/14/2003	02/14/2003	02/14/2003
Date Extracted		02/20/2003	02/20/2003	02/20/2003	02/20/2003	02/20/2003
Preparation Method						
Date Analyzed		02/20/2003	02/20/2003	02/20/2003	02/20/2003	02/20/2003
Matrix		Water	Water	Water	Water	Water
Units		ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limit Multiplier		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
Conventionals						
Perchlorate	2.00	ND	ND	ND	ND	ND

QUALITY CONTROL REPORT

Batch No:

Analytes	LCS % REC	LCS/LCSD % Limit							
Conventionals									
Perchlorate	108	80-120							



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ANALYTICAL RESULTS

Ordered By

Department of Toxic Substance Contl  
 8800 Cal Center Drive  
 Suite 3  
 Sacramento, CA 95827-2106

Site

Top Of Woolsey Canyon

Telephone: (916)255-3602

Attn: Peter Bailey

Page: 4

Project ID: 22120-530033

Project Name: Rocketdyne

Job Number	Order Date	Client
17061	02/14/2003	DTSC

Method: 314.0, Perchlorate by Ion Chromatography

Batch No:

Our Lab I.D.		103283	103285	103287		
Sample ID		SSFL-W-101 K	SSFL-W-102 K	SSFL-W-103 K		
Date Sampled		02/14/2003	02/14/2003	02/14/2003		
Date Extracted		02/20/2003	02/20/2003	02/20/2003		
Preparation Method						
Date Analyzed		02/20/2003	02/20/2003	02/20/2003		
Matrix		Water	Water	Water		
Units		ug/L	ug/L	ug/L		
Detection Limit Multiplier		1	1	1		
<b>Analytes</b>	<b>PQL</b>	<b>Results</b>	<b>Results</b>	<b>Results</b>		
Conventionals						
Perchlorate	2.00	ND	ND	ND		

QUALITY CONTROL REPORT

Batch No:

Analytes	LCS % REC	LCS/LCSD % Limit							
Conventionals									
Perchlorate	108	80-120							



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Ordered By

Department of Toxic Substance Cont'l  
8800 Cal Center Drive Suite 3  
Sacramento, CA 95827-2106

Number of Pages 8

Date Received 03/15/2003

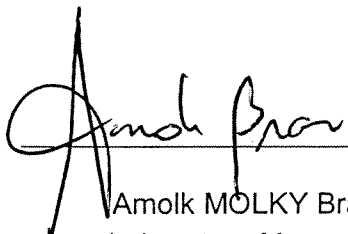
Date Reported 03/24/2003

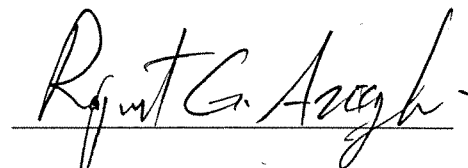
Telephone (916) 255-3602  
Attn Peter Bailey

Job Number	Ordered	Client
17426	03/17/2003	DTSC

Project ID: SSFL  
Project Name:

Enclosed are the results of analyses on 24 samples analyzed as specified on attached chain of custody.

  
Amolk MOLKY Brar  
Laboratory Manager

  
Rojert G. Araghi  
Laboratory Director

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

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- 2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.



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2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

COC# No. 24034 GLOBAL ID \_\_\_\_\_ ELECTRONIC REPORT:  EDF  EDD ASL JOB# 17426

C H A I N O F C U S T O D Y R E C O R D

Company: DTSC		Project Name: SSFL		Report To: Peter Bailey		ANALYSIS REQUESTED			
Address: 8800 Cnl Center Dr		Site Address:		Address: Same					
Sacramento CA 95826				Invoice To:					
Telephone: 916-255-3602				Address:					
Fax: 916-255-3596				P.O.#:					
Special Instruction: lowest Detection Limit		Project ID:							
Possible for Reanalysis		Project Manager:							
I T E M	LAB USE ONLY		SAMPLE DESCRIPTION			Matrix	Preservation	Remarks	
	Lab ID	Sample ID	Date	Time	#				Type
	105372	SSFL-W-161K	15MAY03		1	Plastic	Water	Chill w. blue ice	
	105373	SSFL-W-162K							
	105374	SSFL-W-163K							
	105375	SSFL-W-164K							
	105376	SSFL-W-165K							
	105377	SSFL-W-166K							
	105378	SSFL-W-167K							
	105379	SSFL-W-168K							
	105380	SSFL-W-169K							
	105381	SSFL-W-170K							
Collected By: <i>Patricia J...</i>		Date: 3/15/03		Time: 1750		Relinquished By:		Time	
Relinquished By: <i>Benjamin...</i>		Date: 15MAY03		Time: 6:00		Received For Laboratory		Date: 3-15-03 Time: 6:00 PM	
Condition of Sample:								TAT <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush	



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 Environmental Testing Services  
 2520 N. San Fernando Road, L.A., CA 90065 • Tel: (323) 223-9700 • Fax: (323) 223-9500

C O C # N O 24035 GLOBAL ID \_\_\_\_\_ ELECTRONIC REPORT:  EDF  EDD ASL JOB# 17426

Company: <b>DTSC</b>		Project Name: <b>SSFL</b>		Report To: <b>Peter Bailey</b>		ANALYSIS REQUESTED	
Address: <b>8300 Cal Center Dr</b>		Site Address:		Address: <b>SAME</b>			
Telephone: <b>916-255-3202</b>		Project ID:		Invoice To:			
Fax: <b>916-255-3596</b>		Project Manager:		Address:			
Special Instruction: <b>Lowest Detection Limit</b>		Container(s)		P.O.#:			
Possible for Perchlorate		SAMPLE DESCRIPTION		Matrix		Preservation	
		Date		Water		Chill w blue ice	
LAB USE ONLY		Time					
Lab ID		#		Type			
105382		15MAR03		Plastic		X	
105383						X	
105384						X	
105385						X	
105386						X	
105387						X	
105388						X	
105389						X	
105390						X	
105391						X	
Collected By: <b>PM Jankin</b>		Date: <b>3/15/03</b>		Relinquished By:		Date	
Relinquished By: <b>Sam A. Pauer</b>		Date: <b>15 MAR 03</b>		Received For Laboratory		Date: <b>3-15-03</b>	
Condition of Sample:		Time: <b>17:50</b>		Time		Time: <b>6:00 PM</b>	
		Time		TAT		<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush	

C H A I N O F C U S T O D Y R E C O R D



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 Environmental Testing Services

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COC# No 24036 GLOBAL ID \_\_\_\_\_ ELECTRONIC REPORT:  EDF  EDD ASL JOB# 17426

Company: DTSC		Project Name: SSFL		Report To: Peter Bailey		ANALYSIS REQUESTED	
Address: 8800 Cal		Site Address:		Address: SAMC			
SACRAMENTO, CA 95826		Telephone: 916-255-3602		Invoice To:			
Fax: 916-255-3296		Project ID:		Address:			
Special Instruction: lowest detection limit		Project Manager:		P.O.#:			
Possible for Patch Ionite		SAMPLE DESCRIPTION		Matrix		Preservation	
LAB USE ONLY	Sample ID	Date	Time	#	Type	Container(s)	Remarks
	105392	SSFL-W-181K	15 MAR 03	1	Plastic		Water X
	105393	SSFL-W-182K		1			Chill Blue Ice X
	105394	SSFL-W-183K		1			X
	105395	SSFL-W-176		1			X
		SSFL-W					
		SSFL-W					
		SSFL-W					
		SSFL-W					
		SSFL-W					
		SSFL-W					
		SSFL-W					
Collected By: Ram Janki	Date: 3/15/03	Time: 17:50	Relinquished By: Rajat Agarwal		Date: 3-15-03	Time: 6:00 PM	TAT: <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush
Relinquished By: Ram Janki	Date: 3/15/03	Time: 17:50	Received For Laboratory		Date: 3-15-03	Time: 6:00 PM	
Condition of Sample:							

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ANALYTICAL RESULTS

Ordered By

Department of Toxic Substance Contl  
 8800 Cal Center Drive  
 Suite 3  
 Sacramento, CA 95827-2106

Telephone: (916)255-3602

Attn: Peter Bailey

Page: 2

Project ID: SSFL

Project Name:

Job Number	Order Date	Client
17426	03/17/2003	DTSC

Method: 314.0, Perchlorate by Ion Chromatography

Batch No:

Our Lab I.D.		105373	105374	105375	105376	105377
Sample ID		SSFL-W-162	SSFL-W-163	SSFL-W-164	SSFL-W-165	SSFL-W-166
		K	K	K	K	K
Date Sampled		03/15/2003	03/15/2003	03/15/2003	03/15/2003	03/15/2003
Date Extracted		03/18/2003	03/18/2003	03/18/2003	03/18/2003	03/18/2003
Preparation Method						
Date Analyzed		03/18/2003	03/18/2003	03/18/2003	03/18/2003	03/18/2003
Matrix		Water	Water	Water	Water	Water
Units		ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limit Multiplier		1	1	1	1	1
<b>Analytes</b>	<b>PQL</b>	<b>Results</b>	<b>Results</b>	<b>Results</b>	<b>Results</b>	<b>Results</b>
Conventional						
Perchlorate	2.00	79	3.0	17	5.7	ND

QUALITY CONTROL REPORT

Batch No:

Analytes	LCS % REC	LCS/LCSD % Limit							
Conventional									
Perchlorate	94	80-120							



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Page: 3

Project ID: SSFL

Project Name:

Job Number	Order Date	Client
17426	03/17/2003	DTSC

Method: 314.0, Perchlorate by Ion Chromatography

Batch No:

Our Lab I.D.		105378	105379	105380	105381	105382
Sample ID		SSFL-W-167	SSFL-W-168	SSFL-W-169	SSFL-W-170	SSFL-W-171
		K	K	K	K	K
Date Sampled		03/15/2003	03/15/2003	03/15/2003	03/15/2003	03/15/2003
Date Extracted		03/18/2003	03/18/2003	03/18/2003	03/18/2003	03/18/2003
Preparation Method						
Date Analyzed		03/18/2003	03/18/2003	03/18/2003	03/18/2003	03/18/2003
Matrix		Water	Water	Water	Water	Water
Units		ug/L	ug/L	ug/L	ug L	ug/L
Detection Limit Multiplier		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
Conventionals						
Perchlorate	2.00	ND	ND	2.6	ND	ND

QUALITY CONTROL REPORT

Batch No:

Analytes	LCS % REC	LCS/LCSD % Limit							
Conventionals									
Perchlorate	94	80-120							



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Project ID: SSFL

Project Name:

Job Number	Order Date	Client
17426	03/17/2003	DTSC

Method: 314.0, Perchlorate by Ion Chromatography

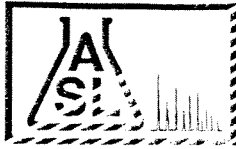
Batch No:

Our Lab I.D.		105383	105384	105385	105386	105388
Sample ID		SSFL-W-172	SSFL-W-173	SSFL-W-174	SSFL-W-175	SSFL-W-177
		K	K	K	K	K
Date Sampled		03/15/2003	03/15/2003	03/15/2003	03/15/2003	03/15/2003
Date Extracted		03/18/2003	03/18/2003	03/18/2003	03/18/2003	03/18/2003
Preparation Method						
Date Analyzed		03/18/2003	03/18/2003	03/18/2003	03/18/2003	03/18/2003
Matrix		Water	Water	Water	Water	Water
Units		ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limit Multiplier		1	1	1	1	1
<b>Analytes</b>	<b>PQL</b>	<b>Results</b>	<b>Results</b>	<b>Results</b>	<b>Results</b>	<b>Results</b>
Conventionals						
Perchlorate	2.00	ND	ND	ND	ND	ND

QUALITY CONTROL REPORT

Batch No:

Analytes	LCS % REC	LCS/LCSD % Limit							
Conventionals									
Perchlorate	94	80-120							



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Project ID: SSFL

Project Name:

Job Number	Order Date	Client
17426	03/17/2003	DTSC

Method: 314.0, Perchlorate by Ion Chromatography

Batch No:

Our Lab I.D.		105389	105390	105391	105392	105393
Sample ID		SSFL-W-178	SSFL-W-179	SSFL-W-180	SSFL-W-181	SSFL-W-182
		K	K	K	K	K
Date Sampled		03/15/2003	03/15/2003	03/15/2003	03/15/2003	03/15/2003
Date Extracted		03/18/2003	03/18/2003	03/18/2003	03/18/2003	03/18/2003
Preparation Method						
Date Analyzed		03/18/2003	03/18/2003	03/18/2003	03/18/2003	03/18/2003
Matrix		Water	Water	Water	Water	Water
Units		ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limit Multiplier		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
Conventionals						
Perchlorate	2.00	ND	ND	ND	ND	ND

QUALITY CONTROL REPORT

Batch No:

Analytes	LCS % REC	LCS/LCSD % Limit							
Conventionals									
Perchlorate	94	80-120							



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Telephone: (916)255-3602

Attn: Peter Bailey

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 Project ID: SSFL  
 Project Name:

Job Number	Order Date	Client
17426	03/17/2003	DTSC

Method: 314.0, Perchlorate by Ion Chromatography

**Batch No:**

Our Lab I.D.	105394	105395			
Sample ID	SSFL-W-183 K	SSFL-W-176 K			
Date Sampled	03/15/2003	03/15/2003			
Date Extracted	03/18/2003	03/18/2003			
Preparation Method					
Date Analyzed	03/18/2003	03/18/2003			
Matrix	Water	Water			
Units	ug/L	ug/L			
Detection Limit Multiplier	1	1			
<b>Analytes</b>	<b>PQL</b>	<b>Results</b>	<b>Results</b>		
Conventionals					
Perchlorate	2.00	ND	ND		

**QUALITY CONTROL REPORT**

**Batch No:**

Analytes	LCS % REC	LCS/LCSD % Limit							
Conventionals									
Perchlorate	94	80-120							



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**ANALYTICAL RESULTS**

**Ordered By**

Department of Toxic Substance Contl 8800 Cal Center Drive Suite 3 Sacramento, CA 95827-2106
--

Telephone: (916)255-3602

Attn: Peter Bailey

Page: 7

Project ID: SSFL

Project Name:

Job Number	Order Date	Client
17426	03/17/2003	DTSC

Method: 314.0, Perchlorate by Ion Chromatography

**Batch No:**

Our Lab I.D.		105372				
Sample ID		SSFL-W-161 K				
Date Sampled		03/15/2003				
Date Extracted		03/18/2003				
Preparation Method						
Date Analyzed		03/18/2003				
Matrix		Water				
Units		ug/L				
Detection Limit Multiplier		2				
<b>Analytes</b>	<b>PQL</b>	<b>Results</b>				
Conventionals						
Perchlorate	4.00	140				

**QUALITY CONTROL REPORT**

**Batch No:**

Analytes	LCS % REC	LCS/LCSD % Limit							
Conventionals									
Perchlorate	94	80-120							

**FSDF DATA TABLE**























































































































































































































**Group 8 RFI Report  
Attachment D-3  
FSDF RFI Site Data Table**

Object Name	Sample Name	Sample Identification	Collection Date	Matrix	Sample Type	Result Type	Analytical Method	Analyte	Concentration	Units	Validated	Project Qualifier	PQL	MDL	Sample Delivery Group	Excavated	Analytical Laboratory	Validation Report Number	Northings	Eastings	Included in Risk Assessment	Rationale for Risk Exclusion
DTSC-A	SDTSC-A	DTSC-A	9/27/2000	Soil	Primary Sample	Primary Result	8290	1,2,3,4,7,8,9-Heptachlorodibenzofuran	0.788	ng/kg	No	U	0.788	0.788	9166	No	AmerSci		266388.031	1783189.63	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-A	SDTSC-A	DTSC-A	9/27/2000	Soil	Primary Sample	Primary Result	8290	1,2,3,4,7,8-Hexachlorodibenzofuran	0.557	ng/kg	No	U	0.557	0.557	9166	No	AmerSci		266388.031	1783189.63	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-A	SDTSC-A	DTSC-A	9/27/2000	Soil	Primary Sample	Primary Result	8290	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	1.224	ng/kg	No	U	1.224	1.224	9166	No	AmerSci		266388.031	1783189.63	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-A	SDTSC-A	DTSC-A	9/27/2000	Soil	Primary Sample	Primary Result	8290	1,2,3,6,7,8-Hexachlorodibenzofuran	0.559	ng/kg	No	U	0.559	0.559	9166	No	AmerSci		266388.031	1783189.63	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-A	SDTSC-A	DTSC-A	9/27/2000	Soil	Primary Sample	Primary Result	8290	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	1.171	ng/kg	No	U	1.171	1.171	9166	No	AmerSci		266388.031	1783189.63	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-A	SDTSC-A	DTSC-A	9/27/2000	Soil	Primary Sample	Primary Result	8290	1,2,3,7,8,9-Hexachlorodibenzofuran	0.56	ng/kg	No	U	0.56	0.56	9166	No	AmerSci		266388.031	1783189.63	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-A	SDTSC-A	DTSC-A	9/27/2000	Soil	Primary Sample	Primary Result	8290	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	1.151	ng/kg	No	U	1.151	1.151	9166	No	AmerSci		266388.031	1783189.63	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-A	SDTSC-A	DTSC-A	9/27/2000	Soil	Primary Sample	Primary Result	8290	1,2,3,7,8-Pentachlorodibenzofuran	1.267	ng/kg	No	U	1.267	1.267	9166	No	AmerSci		266388.031	1783189.63	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-A	SDTSC-A	DTSC-A	9/27/2000	Soil	Primary Sample	Primary Result	8290	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	1.691	ng/kg	No	U	1.691	1.691	9166	No	AmerSci		266388.031	1783189.63	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-A	SDTSC-A	DTSC-A	9/27/2000	Soil	Primary Sample	Primary Result	8290	2,3,4,6,7,8-Hexachlorodibenzofuran	0.715	ng/kg	No	U	0.715	0.715	9166	No	AmerSci		266388.031	1783189.63	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-A	SDTSC-A	DTSC-A	9/27/2000	Soil	Primary Sample	Primary Result	8290	2,3,4,7,8-Pentachlorodibenzofuran	1.242	ng/kg	No	U	1.242	1.242	9166	No	AmerSci		266388.031	1783189.63	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-A	SDTSC-A	DTSC-A	9/27/2000	Soil	Primary Sample	Primary Result	8290	2,3,7,8-TCDD	0.815	ng/kg	No	U	0.815	0.815	9166	No	AmerSci		266388.031	1783189.63	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-A	SDTSC-A	DTSC-A	9/27/2000	Soil	Primary Sample	Primary Result	8290	2,3,7,8-Tetrachlorodibenzofuran	0.637	ng/kg	No	U	0.637	0.637	9166	No	AmerSci		266388.031	1783189.63	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-A	SDTSC-A	DTSC-A	9/27/2000	Soil	Primary Sample	Primary Result	8290	Heptachlorodibenzofurans	0.57	ng/kg	No	U	0.57	0.57	9166	No	AmerSci		266388.031	1783189.63	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-A	SDTSC-A	DTSC-A	9/27/2000	Soil	Primary Sample	Primary Result	8290	Heptachlorodibenzo-p-dioxins	12.899	ng/kg	No		0.83		9166	No	AmerSci		266388.031	1783189.63	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-A	SDTSC-A	DTSC-A	9/27/2000	Soil	Primary Sample	Primary Result	8290	Hexachlorodibenzofurans	1.936	ng/kg	No		0.559		9166	No	AmerSci		266388.031	1783189.63	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-A	SDTSC-A	DTSC-A	9/27/2000	Soil	Primary Sample	Primary Result	8290	Hexachlorodibenzo-p-dioxins	1.171	ng/kg	No	U	1.171	1.171	9166	No	AmerSci		266388.031	1783189.63	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-A	SDTSC-A	DTSC-A	9/27/2000	Soil	Primary Sample	Primary Result	8290	Octachlorodibenzofuran	0.662	ng/kg	No	U	0.662	0.662	9166	No	AmerSci		266388.031	1783189.63	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-A	SDTSC-A	DTSC-A	9/27/2000	Soil	Primary Sample	Primary Result	8290	Octachlorodibenzo-p-dioxin	60.452	ng/kg	No		1.017		9166	No	AmerSci		266388.031	1783189.63	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-A	SDTSC-A	DTSC-A	9/27/2000	Soil	Primary Sample	Primary Result	8290	Pentachlorodibenzofurans	1.242	ng/kg	No	U	1.242	1.242	9166	No	AmerSci		266388.031	1783189.63	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-A	SDTSC-A	DTSC-A	9/27/2000	Soil	Primary Sample	Primary Result	8290	Pentachlorodibenzo-p-dioxins	1.691	ng/kg	No	U	1.691	1.691	9166	No	AmerSci		266388.031	1783189.63	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-A	SDTSC-A	DTSC-A	9/27/2000	Soil	Primary Sample	Calculated Result	8290	TCDD TEQ (ND=0) 2005 WHO	0.0780056	ng/kg					9166	No	AmerSci		266388.031	1783189.63	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-A	SDTSC-A	DTSC-A	9/27/2000	Soil	Primary Sample	Primary Result	8290	Tetrachlorodibenzofurans	0.637	ng/kg	No	U	0.637	0.637	9166	No	AmerSci		266388.031	1783189.63	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-A	SDTSC-A	DTSC-A	9/27/2000	Soil	Primary Sample	Primary Result	8290	Tetrachlorodibenzo-p-dioxins	0.815	ng/kg	No	U	0.815	0.815	9166	No	AmerSci		266388.031	1783189.63	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-B	SDTSC-B	DTSC-B	9/27/2000	Soil	Primary Sample	Primary Result	300	Perchlorate	20000	µg/kg	No	U	20000	20000	9166	No	AmerSci		266515.313	1783265.13	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-B	SDTSC-B	DTSC-B	9/27/2000	Soil	Primary Sample	Primary Result	7471A	Mercury	0.2	mg/kg	No	U	0.2	0.2	9166	No	AmerSci		266515.313	1783265.13	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-B	SDTSC-B	DTSC-B	9/27/2000	Soil	Primary Sample	Primary Result	8082	Aroclor 1016	33	µg/kg	No	U	33	33	9166	No	AmerSci		266515.313	1783265.13	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-B	SDTSC-B	DTSC-B	9/27/2000	Soil	Primary Sample	Primary Result	8082	Aroclor 1221	67	µg/kg	No	U	67	67	9166	No	AmerSci		266515.313	1783265.13	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-B	SDTSC-B	DTSC-B	9/27/2000	Soil	Primary Sample	Primary Result	8082	Aroclor 1232	33	µg/kg	No	U	33	33	9166	No	AmerSci		266515.313	1783265.13	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-B	SDTSC-B	DTSC-B	9/27/2000	Soil	Primary Sample	Primary Result	8082	Aroclor 1242	33	µg/kg	No	U	33	33	9166	No	AmerSci		266515.313	1783265.13	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-B	SDTSC-B	DTSC-B	9/27/2000	Soil	Primary Sample	Primary Result	8082	Aroclor 1248	33	µg/kg	No	U	33	33	9166	No	AmerSci		266515.313	1783265.13	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-B	SDTSC-B	DTSC-B	9/27/2000	Soil	Primary Sample	Primary Result	8082	Aroclor 1254	33	µg/kg	No	U	33	33	9166	No	AmerSci		266515.313	1783265.13	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-B	SDTSC-B	DTSC-B	9/27/2000	Soil	Primary Sample	Primary Result	8082	Aroclor 1260	33	µg/kg	No	U	33	33	9166	No	AmerSci		266515.313	1783265.13	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-B	SDTSC-B	DTSC-B	9/27/2000	Soil	Primary Sample	Primary Result	8082	Aroclor 1262	33	µg/kg	No	U	33	33	9166	No	AmerSci		266515.313	1783265.13	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-B	SDTSC-B	DTSC-B	9/27/2000	Soil	Primary Sample	Primary Result	8082	Aroclor 1268	33	µg/kg	No	U	33	33	9166	No	AmerSci		266515.313	1783265.13	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-B	SDTSC-B	DTSC-B	9/27/2000	Soil	Primary Sample	Primary Result	8290	1,2,3,4,6,7,8-Heptachlorodibenzofuran	0.628	ng/kg	No	U	0.628	0.628	9166	No	AmerSci		266515.313	1783265.13	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-B	SDTSC-B	DTSC-B	9/27/2000	Soil	Primary Sample	Primary Result	8290	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	1.286	ng/kg	No		1.049		9166	No	AmerSci		266515.313	1783265.13	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-B	SDTSC-B	DTSC-B	9/27/2000	Soil	Primary Sample	Primary Result	8290	1,2,3,4,7,8,9-Heptachlorodibenzofuran	0.869	ng/kg	No	U	0.869	0.869	9166	No	AmerSci		266515.313	1783265.13	No	Collected and analyzed by DTSC outside of the Program QA/QC

**Group 8 RFI Report  
Attachment D-3  
FSDF RFI Site Data Table**

Object Name	Sample Name	Sample Identification	Collection Date	Matrix	Sample Type	Result Type	Analytical Method	Analyte	Concentration	Units	Validated	Project Qualifier	PQL	MDL	Sample Delivery Group	Excavated	Analytical Laboratory	Validation Report Number	Northings	Eastings	Included in Risk Assessment	Rationale for Risk Exclusion
DTSC-B	SDTSC-B	DTSC-B	9/27/2000	Soil	Primary Sample	Primary Result	8290	1,2,3,4,7,8-Hexachlorodibenzofuran	0.426	ng/kg	No	U	0.426	0.426	9166	No	AmerSci		266515.313	1783265.13	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-B	SDTSC-B	DTSC-B	9/27/2000	Soil	Primary Sample	Primary Result	8290	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	0.823	ng/kg	No	U	0.823	0.823	9166	No	AmerSci		266515.313	1783265.13	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-B	SDTSC-B	DTSC-B	9/27/2000	Soil	Primary Sample	Primary Result	8290	1,2,3,6,7,8-Hexachlorodibenzofuran	0.428	ng/kg	No	U	0.428	0.428	9166	No	AmerSci		266515.313	1783265.13	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-B	SDTSC-B	DTSC-B	9/27/2000	Soil	Primary Sample	Primary Result	8290	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	0.787	ng/kg	No	U	0.787	0.787	9166	No	AmerSci		266515.313	1783265.13	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-B	SDTSC-B	DTSC-B	9/27/2000	Soil	Primary Sample	Primary Result	8290	1,2,3,7,8,9-Hexachlorodibenzofuran	0.429	ng/kg	No	U	0.429	0.429	9166	No	AmerSci		266515.313	1783265.13	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-B	SDTSC-B	DTSC-B	9/27/2000	Soil	Primary Sample	Primary Result	8290	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	0.774	ng/kg	No	U	0.774	0.774	9166	No	AmerSci		266515.313	1783265.13	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-B	SDTSC-B	DTSC-B	9/27/2000	Soil	Primary Sample	Primary Result	8290	1,2,3,7,8-Pentachlorodibenzofuran	1.022	ng/kg	No	U	1.022	1.022	9166	No	AmerSci		266515.313	1783265.13	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-B	SDTSC-B	DTSC-B	9/27/2000	Soil	Primary Sample	Primary Result	8290	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	1.643	ng/kg	No	U	1.643	1.643	9166	No	AmerSci		266515.313	1783265.13	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-B	SDTSC-B	DTSC-B	9/27/2000	Soil	Primary Sample	Primary Result	8290	2,3,4,6,7,8-Hexachlorodibenzofuran	0.547	ng/kg	No	U	0.547	0.547	9166	No	AmerSci		266515.313	1783265.13	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-B	SDTSC-B	DTSC-B	9/27/2000	Soil	Primary Sample	Primary Result	8290	2,3,4,7,8-Pentachlorodibenzofuran	1.002	ng/kg	No	U	1.002	1.002	9166	No	AmerSci		266515.313	1783265.13	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-B	SDTSC-B	DTSC-B	9/27/2000	Soil	Primary Sample	Primary Result	8290	2,3,7,8-TCDD	1.33	ng/kg	No	U	1.33	1.33	9166	No	AmerSci		266515.313	1783265.13	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-B	SDTSC-B	DTSC-B	9/27/2000	Soil	Primary Sample	Primary Result	8290	2,3,7,8-Tetrachlorodibenzofuran	0.694	ng/kg	No	U	0.694	0.694	9166	No	AmerSci		266515.313	1783265.13	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-B	SDTSC-B	DTSC-B	9/27/2000	Soil	Primary Sample	Primary Result	8290	Heptachlorodibenzofurans	0.628	ng/kg	No	U	0.628	0.628	9166	No	AmerSci		266515.313	1783265.13	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-B	SDTSC-B	DTSC-B	9/27/2000	Soil	Primary Sample	Primary Result	8290	Heptachlorodibenzo-p-dioxins	1.286	ng/kg	No	U	1.049		9166	No	AmerSci		266515.313	1783265.13	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-B	SDTSC-B	DTSC-B	9/27/2000	Soil	Primary Sample	Primary Result	8290	Hexachlorodibenzofurans	0.428	ng/kg	No	U	0.428	0.428	9166	No	AmerSci		266515.313	1783265.13	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-B	SDTSC-B	DTSC-B	9/27/2000	Soil	Primary Sample	Primary Result	8290	Hexachlorodibenzo-p-dioxins	0.787	ng/kg	No	U	0.787	0.787	9166	No	AmerSci		266515.313	1783265.13	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-B	SDTSC-B	DTSC-B	9/27/2000	Soil	Primary Sample	Primary Result	8290	Octachlorodibenzofuran	0.58	ng/kg	No	U	0.58	0.58	9166	No	AmerSci		266515.313	1783265.13	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-B	SDTSC-B	DTSC-B	9/27/2000	Soil	Primary Sample	Primary Result	8290	Octachlorodibenzo-p-dioxin	18.223	ng/kg	No	U	0.985		9166	No	AmerSci		266515.313	1783265.13	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-B	SDTSC-B	DTSC-B	9/27/2000	Soil	Primary Sample	Primary Result	8290	Pentachlorodibenzofurans	1.002	ng/kg	No	U	1.002	1.002	9166	No	AmerSci		266515.313	1783265.13	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-B	SDTSC-B	DTSC-B	9/27/2000	Soil	Primary Sample	Primary Result	8290	Pentachlorodibenzo-p-dioxins	1.643	ng/kg	No	U	1.643	1.643	9166	No	AmerSci		266515.313	1783265.13	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-B	SDTSC-B	DTSC-B	9/27/2000	Soil	Primary Sample	Calculated Result	8290	TCDD TEQ (ND=0) 2005 WHO	0.0183269	ng/kg					9166	No	AmerSci		266515.313	1783265.13	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-B	SDTSC-B	DTSC-B	9/27/2000	Soil	Primary Sample	Primary Result	8290	Tetrachlorodibenzofurans	0.694	ng/kg	No	U	0.694	0.694	9166	No	AmerSci		266515.313	1783265.13	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-B	SDTSC-B	DTSC-B	9/27/2000	Soil	Primary Sample	Primary Result	8290	Tetrachlorodibenzo-p-dioxins	1.33	ng/kg	No	U	1.33	1.33	9166	No	AmerSci		266515.313	1783265.13	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-C	SDTSC-C	DTSC-C	9/27/2000	Soil	Primary Sample	Primary Result	300	Perchlorate	20000	µg/kg	No	U	20000	20000	9166	No	AmerSci		266206.906	1783224.63	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-C	SDTSC-C	DTSC-C	9/27/2000	Soil	Primary Sample	Primary Result	7471A	Mercury	0.2	mg/kg	No	U	0.2	0.2	9166	No	AmerSci		266206.906	1783224.63	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-C	SDTSC-C	DTSC-C	9/27/2000	Soil	Primary Sample	Primary Result	8082	Aroclor 1016	33	µg/kg	No	U	33	33	9166	No	AmerSci		266206.906	1783224.63	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-C	SDTSC-C	DTSC-C	9/27/2000	Soil	Primary Sample	Primary Result	8082	Aroclor 1221	67	µg/kg	No	U	67	67	9166	No	AmerSci		266206.906	1783224.63	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-C	SDTSC-C	DTSC-C	9/27/2000	Soil	Primary Sample	Primary Result	8082	Aroclor 1232	33	µg/kg	No	U	33	33	9166	No	AmerSci		266206.906	1783224.63	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-C	SDTSC-C	DTSC-C	9/27/2000	Soil	Primary Sample	Primary Result	8082	Aroclor 1242	33	µg/kg	No	U	33	33	9166	No	AmerSci		266206.906	1783224.63	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-C	SDTSC-C	DTSC-C	9/27/2000	Soil	Primary Sample	Primary Result	8082	Aroclor 1248	33	µg/kg	No	U	33	33	9166	No	AmerSci		266206.906	1783224.63	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-C	SDTSC-C	DTSC-C	9/27/2000	Soil	Primary Sample	Primary Result	8082	Aroclor 1254	33	µg/kg	No	U	33	33	9166	No	AmerSci		266206.906	1783224.63	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-C	SDTSC-C	DTSC-C	9/27/2000	Soil	Primary Sample	Primary Result	8082	Aroclor 1260	46	µg/kg	No	U	33		9166	No	AmerSci		266206.906	1783224.63	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-C	SDTSC-C	DTSC-C	9/27/2000	Soil	Primary Sample	Primary Result	8082	Aroclor 1262	33	µg/kg	No	U	33	33	9166	No	AmerSci		266206.906	1783224.63	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-C	SDTSC-C	DTSC-C	9/27/2000	Soil	Primary Sample	Primary Result	8082	Aroclor 1268	33	µg/kg	No	U	33	33	9166	No	AmerSci		266206.906	1783224.63	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-C	SDTSC-C	DTSC-C	9/27/2000	Soil	Primary Sample	Primary Result	8290	1,2,3,4,6,7,8-Heptachlorodibenzofuran	0.631	ng/kg	No	U	0.631	0.631	9166	No	AmerSci		266206.906	1783224.63	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-C	SDTSC-C	DTSC-C	9/27/2000	Soil	Primary Sample	Primary Result	8290	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	6.837	ng/kg	No	U	0.685		9166	No	AmerSci		266206.906	1783224.63	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-C	SDTSC-C	DTSC-C	9/27/2000	Soil	Primary Sample	Primary Result	8290	1,2,3,4,7,8,9-Heptachlorodibenzofuran	0.873	ng/kg	No	U	0.873	0.873	9166	No	AmerSci		266206.906	1783224.63	No	Collected and analyzed by DTSC outside of the Program QA/QC
DTSC-C	SDTSC-C	DTSC-C	9/27/2000	Soil	Primary Sample	Primary Result	8290	1,2,3,4,7,8-Hexachlorodibenzofuran	0.647	ng/kg	No	U	0.647	0.647	9166	No	AmerSci		266206.906	1783224.63	No	Collected and analyzed by DTSC outside of the Program QA/QC







































**Group 8 RFI Report  
Attachment D-3  
FSDF RFI Site Data Table**

Object Name	Sample Name	Sample Identification	Collection Date	Matrix	Sample Type	Result Type	Analytical Method	Analyte	Concentration	Units	Validated	Project Qualifier	PQL	MDL	Sample Delivery Group	Excavated	Analytical Laboratory	Validation Report Number	Northings	Eastings	Included in Risk Assessment	Rationale for Risk Exclusion
FSBS0094	FSBS0094S01	FSBS0094S01	5/16/2007	Soil	Primary Sample	Tentatively Identified	8270C	Unknown 8	205	µg/kg	Yes	NJ			186234	No	GEL	186234	265974.314	1783545.19	No	Result is a Tentatively Identified Compound
FSBS0094	FSBS0094S01	FSBS0094S01	5/16/2007	Soil	Primary Sample	Tentatively Identified	8270C	Unknown 9	277	µg/kg	Yes	NJ			186234	No	GEL	186234	265974.314	1783545.19	No	Result is a Tentatively Identified Compound
FSBS0094	FSBS0094S01	FSBS0094S01	5/16/2007	Soil	Primary Sample	Tentatively Identified	8270C	Unknown Aldol Condensate	637	µg/kg	Yes	R			186234	No	GEL	186234	265974.314	1783545.19	No	Data Rejected; Result is a Tentatively Identified Compound
FSBS0094	FSBS0094S01	FSBS0094S01	5/16/2007	Soil	Primary Sample	Primary Result	8270C SIM	1-Methyl naphthalene	18.5	µg/kg	Yes	U	18.5	5.56	186234	No	GEL	186234	265974.314	1783545.19	Yes	
FSBS0094	FSBS0094S01	FSBS0094S01	5/16/2007	Soil	Primary Sample	Primary Result	8270C SIM	2-Methylnaphthalene	18.5	µg/kg	Yes	U	18.5	3.7	186234	No	GEL	186234	265974.314	1783545.19	Yes	
FSBS0094	FSBS0094S01	FSBS0094S01	5/16/2007	Soil	Primary Sample	Primary Result	8270C SIM	Acenaphthene	18.5	µg/kg	Yes	U	18.5	6.19	186234	No	GEL	186234	265974.314	1783545.19	Yes	
FSBS0094	FSBS0094S01	FSBS0094S01	5/16/2007	Soil	Primary Sample	Primary Result	8270C SIM	Acenaphthylene	18.5	µg/kg	Yes	U	18.5	5.56	186234	No	GEL	186234	265974.314	1783545.19	Yes	
FSBS0094	FSBS0094S01	FSBS0094S01	5/16/2007	Soil	Primary Sample	Primary Result	8270C SIM	Anthracene	18.5	µg/kg	Yes	U	18.5	3.7	186234	No	GEL	186234	265974.314	1783545.19	Yes	
FSBS0094	FSBS0094S01	FSBS0094S01	5/16/2007	Soil	Primary Sample	Primary Result	8270C SIM	Benzo(a)anthracene	18.5	µg/kg	Yes	U	18.5	5.56	186234	No	GEL	186234	265974.314	1783545.19	Yes	
FSBS0094	FSBS0094S01	FSBS0094S01	5/16/2007	Soil	Primary Sample	Primary Result	8270C SIM	Benzo(a)pyrene	18.5	µg/kg	Yes	U	18.5	5.56	186234	No	GEL	186234	265974.314	1783545.19	Yes	
FSBS0094	FSBS0094S01	FSBS0094S01	5/16/2007	Soil	Primary Sample	Primary Result	8270C SIM	Benzo(b)fluoranthene	18.5	µg/kg	Yes	U	18.5	5.56	186234	No	GEL	186234	265974.314	1783545.19	Yes	
FSBS0094	FSBS0094S01	FSBS0094S01	5/16/2007	Soil	Primary Sample	Primary Result	8270C SIM	Benzo(ghi)perylene	18.5	µg/kg	Yes	U	18.5	5.56	186234	No	GEL	186234	265974.314	1783545.19	Yes	
FSBS0094	FSBS0094S01	FSBS0094S01	5/16/2007	Soil	Primary Sample	Primary Result	8270C SIM	Benzo(k)fluoranthene	18.5	µg/kg	Yes	U	18.5	5.56	186234	No	GEL	186234	265974.314	1783545.19	Yes	
FSBS0094	FSBS0094S01	FSBS0094S01	5/16/2007	Soil	Primary Sample	Primary Result	8270C SIM	bis(2-Ethylhexyl) phthalate	18.5	µg/kg	Yes	U	18.5	6.11	186234	No	GEL	186234	265974.314	1783545.19	Yes	
FSBS0094	FSBS0094S01	FSBS0094S01	5/16/2007	Soil	Primary Sample	Primary Result	8270C SIM	Butyl benzyl phthalate	18.5	µg/kg	Yes	U	18.5	5.56	186234	No	GEL	186234	265974.314	1783545.19	Yes	
FSBS0094	FSBS0094S01	FSBS0094S01	5/16/2007	Soil	Primary Sample	Primary Result	8270C SIM	Chrysene	18.5	µg/kg	Yes	U	18.5	5.56	186234	No	GEL	186234	265974.314	1783545.19	Yes	
FSBS0094	FSBS0094S01	FSBS0094S01	5/16/2007	Soil	Primary Sample	Primary Result	8270C SIM	Dibenzo(a,h)anthracene	18.5	µg/kg	Yes	U	18.5	5.56	186234	No	GEL	186234	265974.314	1783545.19	Yes	
FSBS0094	FSBS0094S01	FSBS0094S01	5/16/2007	Soil	Primary Sample	Primary Result	8270C SIM	Diethyl phthalate	18.5	µg/kg	Yes	U	18.5	5.56	186234	No	GEL	186234	265974.314	1783545.19	Yes	
FSBS0094	FSBS0094S01	FSBS0094S01	5/16/2007	Soil	Primary Sample	Primary Result	8270C SIM	Dimethyl phthalate	18.5	µg/kg	Yes	U	18.5	5.56	186234	No	GEL	186234	265974.314	1783545.19	Yes	
FSBS0094	FSBS0094S01	FSBS0094S01	5/16/2007	Soil	Primary Sample	Primary Result	8270C SIM	Di-n-butyl phthalate	6.57	µg/kg	Yes	J	18.5	5.56	186234	No	GEL	186234	265974.314	1783545.19	Yes	
FSBS0094	FSBS0094S01	FSBS0094S01	5/16/2007	Soil	Primary Sample	Primary Result	8270C SIM	Di-n-octyl phthalate	18.5	µg/kg	Yes	U	18.5	5.56	186234	No	GEL	186234	265974.314	1783545.19	Yes	
FSBS0094	FSBS0094S01	FSBS0094S01	5/16/2007	Soil	Primary Sample	Primary Result	8270C SIM	Fluoranthene	18.5	µg/kg	Yes	U	18.5	5.56	186234	No	GEL	186234	265974.314	1783545.19	Yes	
FSBS0094	FSBS0094S01	FSBS0094S01	5/16/2007	Soil	Primary Sample	Primary Result	8270C SIM	Fluorene	18.5	µg/kg	Yes	U	18.5	5.56	186234	No	GEL	186234	265974.314	1783545.19	Yes	
FSBS0094	FSBS0094S01	FSBS0094S01	5/16/2007	Soil	Primary Sample	Primary Result	8270C SIM	Indeno(1,2,3-cd)pyrene	18.5	µg/kg	Yes	U	18.5	5.56	186234	No	GEL	186234	265974.314	1783545.19	Yes	
FSBS0094	FSBS0094S01	FSBS0094S01	5/16/2007	Soil	Primary Sample	Primary Result	8270C SIM	Naphthalene	18.5	µg/kg	Yes	U	18.5	5.56	186234	No	GEL	186234	265974.314	1783545.19	Yes	
FSBS0094	FSBS0094S01	FSBS0094S01	5/16/2007	Soil	Primary Sample	Primary Result	8270C SIM	n-Nitrosodimethylamine	18.5	µg/kg	Yes	U	18.5	3.7	186234	No	GEL	186234	265974.314	1783545.19	Yes	
FSBS0094	FSBS0094S01	FSBS0094S01	5/16/2007	Soil	Primary Sample	Primary Result	8270C SIM	Phenanthrene	18.5	µg/kg	Yes	U	18.5	5.56	186234	No	GEL	186234	265974.314	1783545.19	Yes	
FSBS0094	FSBS0094S01	FSBS0094S01	5/16/2007	Soil	Primary Sample	Primary Result	8270C SIM	Pyrene	18.5	µg/kg	Yes	U	18.5	5.81	186234	No	GEL	186234	265974.314	1783545.19	Yes	
FSBS0094	FSBS0094S02	FSBS0094S02	5/16/2007	Soil	Primary Sample	Primary Result	300	Fluoride	4.87	mg/kg	Yes	J	5	0.353	186234	No	GEL	186234	265974.314	1783545.19	No	Sample Collected >10'
FSBS0094	FSBS0094S02	FSBS0094S02	5/16/2007	Soil	Primary Sample	Primary Result	§14.0-DI WE1	Perchlorate	4	µg/L	Yes	U	4	1.14	187086H	No	GEL	187086H	265974.314	1783545.19	Yes	
FSBS0094	FSBS0094S02	FSBS0094S02	5/16/2007	Soil	Primary Sample	Primary Result	8015B	Diesel Range Organics (C15-C20)	3.97	mg/kg	Yes	U	3.97	1.31	186234	No	GEL	186234	265974.314	1783545.19	No	Sample Collected >10'
FSBS0094	FSBS0094S02	FSBS0094S02	5/16/2007	Soil	Primary Sample	Primary Result	8015B	Gasoline Range Organics (C8-C11)	3.97	mg/kg	Yes	U	3.97	1.31	186234	No	GEL	186234	265974.314	1783545.19	No	Sample Collected >10'
FSBS0094	FSBS0094S02	FSBS0094S02	5/16/2007	Soil	Primary Sample	Primary Result	8015B	Kerosene Range Organics (C12-C14)	3.97	mg/kg	Yes	U	3.97	1.31	186234	No	GEL	186234	265974.314	1783545.19	No	Sample Collected >10'
FSBS0094	FSBS0094S02	FSBS0094S02	5/16/2007	Soil	Primary Sample	Primary Result	8015B	Lubricant Oil Range Organics (C21-C30)	1.67	mg/kg	Yes	J	3.97	1.31	186234	No	GEL	186234	265974.314	1783545.19	No	Sample Collected >10'
FSBS0094	FSBS0094S02	FSBS0094S02	5/16/2007	Soil	Primary Sample	Primary Result	8015B	m-Terphenyl	0.198	mg/kg	Yes	U	0.198	0.198	186234	No	GEL	186234	265974.314	1783545.19	No	Sample Collected >10'
FSBS0094	FSBS0094S02	FSBS0094S02	5/16/2007	Soil	Primary Sample	Primary Result	8015B	o-Terphenyl	0.198	mg/kg	Yes	U	0.198	0.198	186234	No	GEL	186234	265974.314	1783545.19	No	Sample Collected >10'
FSBS0094	FSBS0094S02	FSBS0094S02	5/16/2007	Soil	Primary Sample	Primary Result	8015B	p-Terphenyl	0.198	mg/kg	Yes	U	0.198	0.198	186234	No	GEL	186234	265974.314	1783545.19	No	Sample Collected >10'
FSBS0094	FSBS0094S02	FSBS0094S02	5/16/2007	Soil	Primary Sample	Primary Result	8270C	1,2,4-Trichlorobenzene	397	µg/kg	Yes	U	397	79.4	186234	No	GEL	186234	265974.314	1783545.19	No	Sample Collected >10'
FSBS0094	FSBS0094S02	FSBS0094S02	5/16/2007	Soil	Primary Sample	Primary Result	8270C	1,2-Dichlorobenzene	397	µg/kg	Yes	U	397	79.4	186234	No	GEL	186234	265974.314	1783545.19	No	Sample Collected >10'
FSBS0094	FSBS0094S02	FSBS0094S02	5/16/2007	Soil	Primary Sample	Primary Result	8270C	1,2-Diphenylhydrazine	397	µg/kg	Yes	U	397	79.4	186234	No	GEL	186234	265974.314	1783545.19	No	Sample Collected >10'
FSBS0094	FSBS0094S02	FSBS0094S02	5/16/2007	Soil	Primary Sample	Primary Result	8270C	1,3-Dichlorobenzene	397	µg/kg	Yes	U	397	79.4	186234	No	GEL	186234	265974.314	1783545.19	No	Sample Collected >10'
FSBS0094	FSBS0094S02	FSBS0094S02	5/16/2007	Soil	Primary Sample	Primary Result	8270C	1,4-Dichlorobenzene	397	µg/kg	Yes	U	397	79.4	186234	No	GEL	186234	265974.314	1783545.19	No	Sample Collected >10'
FSBS0094	FSBS0094S02	FSBS0094S02	5/16/2007	Soil	Primary Sample	Primary Result	8270C	2,4,5-Trichlorophenol	397	µg/kg	Yes	U	397	79.4	186234	No	GEL	186234	265974.314	1783545.19	No	Sample Collected >10'
FSBS0094	FSBS0094S02	FSBS0094S02	5/16/2007	Soil	Primary Sample	Primary Result	8270C	2,4,6-Trichlorophenol	397	µg/kg	Yes	U	397	79.4	186234	No	GEL	186234	265974.314	1783545.19	No	Sample Collected >10'
FSBS0094	FSBS0094S02	FSBS0094S02	5/16/2007	Soil	Primary Sample	Primary Result	8270C	2,4-Dimethylphenol	397	µg/kg	Yes	U	397	79.4	186234	No	GEL	186234	265974.314	1783545.19	No	Sample Collected >10'
FSBS0094	FSBS0094S02	FSBS0094S02	5/16/2007	Soil	Primary Sample	Primary Result	8270C	2,4-Dinitrophenol	794	µg/kg	Yes	U	794	151	186234	No	GEL	186234	265974.314	1783545.19	No	Sample Collected >10'
FSBS0094	FSBS0094S02	FSBS0094S02	5/16/2007	Soil	Primary Sample	Primary Result	8270C	2,4-Dinitrotoluene	397	µg/kg	Yes	U	397	39.7	186234	No	GEL	186234	265974.314	1783545.19	No	Sample Collected >10'
FSBS0094	FSBS0094S02	FSBS0094S02	5/16/2007	Soil	Primary Sample	Primary Result	8270C	2,6-Dichlorophenol	397	µg/kg	Yes	U	397	79.4	186234	No	GEL	186234	265974.314	1783545.19	No	Sample Collected >10'
FSBS0094	FSBS0094S02	FSBS0094S02	5/16/2007	Soil	Primary Sample	Primary Result	8270C	2,6-Dinitrotoluene	397	µg/kg												



**Group 8 RFI Report  
Attachment D-3  
FSDF RFI Site Data Table**

Object Name	Sample Name	Sample Identification	Collection Date	Matrix	Sample Type	Result Type	Analytical Method	Analyte	Concentration	Units	Validated	Project Qualifier	PQL	MDL	Sample Delivery Group	Excavated	Analytical Laboratory	Validation Report Number	Northings	Eastings	Included in Risk Assessment	Rationale for Risk Exclusion
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	6020	Zirconium	2.7	mg/kg	Yes	J	0.402	0.1	186348	No	GEL	186348	266241.853	1783201.76	Yes	
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8015B	Diesel Range Organics (C15-C20)	1.64	mg/kg	Yes	J	3.46	1.14	186348	No	GEL	186348	266241.853	1783201.76	Yes	
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8015B	Gasoline Range Organics (C8-C11)	3.46	mg/kg	Yes	U	3.46	1.14	186348	No	GEL	186348	266241.853	1783201.76	Yes	
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8015B	Kerosene Range Organics (C12-C14)	3.46	mg/kg	Yes	U	3.46	1.14	186348	No	GEL	186348	266241.853	1783201.76	Yes	
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8015B	Lubricant Oil Range Organics (C21-C30)	8.1	mg/kg	Yes		3.46	1.14	186348	No	GEL	186348	266241.853	1783201.76	Yes	
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8015B	m-Terphenyl	0.173	mg/kg	Yes	U	0.173	0.173	186348	No	GEL	186348	266241.853	1783201.76	Yes	
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8015B	o-Terphenyl	0.173	mg/kg	Yes	U	0.173	0.173	186348	No	GEL	186348	266241.853	1783201.76	Yes	
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8015B	p-Terphenyl	0.173	mg/kg	Yes	U	0.173	0.173	186348	No	GEL	186348	266241.853	1783201.76	Yes	
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	1,2,4-Trichlorobenzene	346	µg/kg	Yes	U	346	69.2	186348	No	GEL	186348	266241.853	1783201.76	Yes	
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	1,2-Dichlorobenzene	346	µg/kg	Yes	U	346	69.2	186348	No	GEL	186348	266241.853	1783201.76	Yes	
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	1,2-Diphenylhydrazine	346	µg/kg	Yes	U	346	69.2	186348	No	GEL	186348	266241.853	1783201.76	Yes	
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	1,3-Dichlorobenzene	346	µg/kg	Yes	U	346	69.2	186348	No	GEL	186348	266241.853	1783201.76	Yes	
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	1,4-Dichlorobenzene	346	µg/kg	Yes	U	346	69.2	186348	No	GEL	186348	266241.853	1783201.76	Yes	
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2,4,5-Trichlorophenol	346	µg/kg	Yes	U	346	69.2	186348	No	GEL	186348	266241.853	1783201.76	Yes	
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2,4,6-Trichlorophenol	346	µg/kg	Yes	U	346	69.2	186348	No	GEL	186348	266241.853	1783201.76	Yes	
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2,4-Dimethylphenol	346	µg/kg	Yes	U	346	69.2	186348	No	GEL	186348	266241.853	1783201.76	Yes	
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2,4-Dinitrophenol	692	µg/kg	Yes	U	692	131	186348	No	GEL	186348	266241.853	1783201.76	Yes	
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2,4-Dinitrotoluene	346	µg/kg	Yes	U	346	34.6	186348	No	GEL	186348	266241.853	1783201.76	Yes	
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2,6-Dichlorophenol	346	µg/kg	Yes	U	346	69.2	186348	No	GEL	186348	266241.853	1783201.76	Yes	
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2,6-Dinitrotoluene	346	µg/kg	Yes	U	346	34.6	186348	No	GEL	186348	266241.853	1783201.76	Yes	
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2-Chloronaphthalene	34.6	µg/kg	Yes	U	34.6	12.1	186348	No	GEL	186348	266241.853	1783201.76	Yes	
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2-Chlorophenol	346	µg/kg	Yes	U	346	69.2	186348	No	GEL	186348	266241.853	1783201.76	Yes	
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2-Methylnaphthalene	34.6	µg/kg	Yes	R	34.6	6.92	186348	No	GEL	186348	266241.853	1783201.76	No	Data Rejected
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2-Nitroaniline	346	µg/kg	Yes	U	346	69.2	186348	No	GEL	186348	266241.853	1783201.76	Yes	
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2-Nitrophenol	346	µg/kg	Yes	U	346	34.6	186348	No	GEL	186348	266241.853	1783201.76	Yes	
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	3,3-Dichlorobenzidine	346	µg/kg	Yes	U	346	104	186348	No	GEL	186348	266241.853	1783201.76	Yes	
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	3-Nitroaniline	346	µg/kg	Yes	U	346	69.2	186348	No	GEL	186348	266241.853	1783201.76	Yes	
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	4,6-Dinitro-o-cresol	346	µg/kg	Yes	U	346	69.2	186348	No	GEL	186348	266241.853	1783201.76	Yes	
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	4-Bromophenyl phenyl ether	346	µg/kg	Yes	U	346	34.6	186348	No	GEL	186348	266241.853	1783201.76	Yes	
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	4-Chlorophenyl phenyl ether	346	µg/kg	Yes	U	346	34.6	186348	No	GEL	186348	266241.853	1783201.76	Yes	
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	4-Nitrophenol	346	µg/kg	Yes	U	346	69.2	186348	No	GEL	186348	266241.853	1783201.76	Yes	
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Acenaphthene	34.6	µg/kg	Yes	R	34.6	11.6	186348	No	GEL	186348	266241.853	1783201.76	No	Data Rejected
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Acenaphthylene	34.6	µg/kg	Yes	R	34.6	10.4	186348	No	GEL	186348	266241.853	1783201.76	No	Data Rejected
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Aniline	346	µg/kg	Yes	U	346	121	186348	No	GEL	186348	266241.853	1783201.76	Yes	
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Anthracene	34.6	µg/kg	Yes	R	34.6	6.92	186348	No	GEL	186348	266241.853	1783201.76	No	Data Rejected
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Benizidine	346	µg/kg	Yes	U	346	346	186348	No	GEL	186348	266241.853	1783201.76	Yes	
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Benzo(a)anthracene	34.6	µg/kg	Yes	R	34.6	10.4	186348	No	GEL	186348	266241.853	1783201.76	No	Data Rejected
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Benzo(a)pyrene	34.6	µg/kg	Yes	R	34.6	10.4	186348	No	GEL	186348	266241.853	1783201.76	No	Data Rejected
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Benzo(b)fluoranthene	34.6	µg/kg	Yes	R	34.6	10.4	186348	No	GEL	186348	266241.853	1783201.76	No	Data Rejected
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Benzo(ghi)perylene	34.6	µg/kg	Yes	R	34.6	10.4	186348	No	GEL	186348	266241.853	1783201.76	No	Data Rejected
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Benzo(k)fluoranthene	34.6	µg/kg	Yes	R	34.6	10.4	186348	No	GEL	186348	266241.853	1783201.76	No	Data Rejected
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Benzoic acid	692	µg/kg	Yes	U	692	173	186348	No	GEL	186348	266241.853	1783201.76	Yes	
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Benzyl alcohol	346	µg/kg	Yes	U	346	104	186348	No	GEL	186348	266241.853	1783201.76	Yes	
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	bis(2-Chloroethoxy)methane	346	µg/kg	Yes	U	346	69.2	186348	No	GEL	186348	266241.853	1783201.76	Yes	
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	bis(2-Chloroethyl) ether	346	µg/kg	Yes	U	346	69.2	186348	No	GEL	186348	266241.853	1783201.76	Yes	
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	bis(2-Chloroisopropyl) ether	346	µg/kg	Yes	U	346	69.2	186348	No	GEL	186348	266241.853	1783201.76	Yes	
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	bis(2-Ethylhexyl) phthalate	173	µg/kg	Yes	R	173	69.2	186348	No	GEL	186348	266241.853	1783201.76	No	Data Rejected
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Butyl benzyl phthalate	346	µg/kg	Yes	R	346	69.2	186348	No	GEL	186348	266241.853	1783201.76	No	Data Rejected
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Chrysene	34.6	µg/kg	Yes	R	34.6	10.4	186348	No	GEL	186348	266241.853	1783201.76	No	Data Rejected
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Cyclohexane, 1-methyl-2-propyl-	187	µg/kg	Yes	R			186348	No	GEL	186348	266241.853	1783201.76	No	Data Rejected; Result is a Tentatively Identified Compound
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Dibenzo(a,h)anthracene	34.6	µg/kg	Yes	R	34.6	10.4	186348	No	GEL	186348	266241.853	1783201.76	No	Data Rejected
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Dibenzofuran	346	µg/kg	Yes	U	346	69.2	186348	No	GEL	186348	266241.853	1783201.76	Yes	
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Diethyl phthalate	346	µg/kg	Yes	R	346	69.2	186348	No	GEL	186348	266241.853	1783201.76	No	Data Rejected
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Dimethyl phthalate	346	µg/kg	Yes	R	346	69.2	186348	No	GEL	186348	266241.853	1783201.76	No	Data Rejected
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Di-n-butyl phthalate	346	µg/kg	Yes	R	346	34.6	186348	No	GEL	186348	266			

Group 8 RFI Report  
Attachment D-3  
FSDf RFI Site Data Table

Object Name	Sample Name	Sample Identification	Collection Date	Matrix	Sample Type	Result Type	Analytical Method	Analyte	Concentration	Units	Validated	Project Qualifier	PQL	MDL	Sample Delivery Group	Excavated	Analytical Laboratory	Validation Report Number	Northings	Eastings	Included in Risk Assessment	Rationale for Risk Exclusion
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	n-Nitrosodimethylamine	346	µg/kg	Yes	R	346	69.2	186348	No	GEL	186348	266241.853	1783201.76	No	Data Rejected
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	n-Nitrosodi-n-propylamine	346	µg/kg	Yes	U	346	69.2	186348	No	GEL	186348	266241.853	1783201.76	Yes	
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	o-Cresol	346	µg/kg	Yes	U	346	69.2	186348	No	GEL	186348	266241.853	1783201.76	Yes	
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Tentatively Identified	8270C	Octacosane	448	µg/kg	Yes	NJ			186348	No	GEL	186348	266241.853	1783201.76	No	Result is a Tentatively Identified Compound
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	p-Chloroaniline	346	µg/kg	Yes	U	346	69.2	186348	No	GEL	186348	266241.853	1783201.76	Yes	
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	p-Chloro-m-cresol	346	µg/kg	Yes	U	346	34.6	186348	No	GEL	186348	266241.853	1783201.76	Yes	
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	p-Cresol	346	µg/kg	Yes	U	346	138	186348	No	GEL	186348	266241.853	1783201.76	Yes	
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Pentachlorophenol	346	µg/kg	Yes	U	346	69.2	186348	No	GEL	186348	266241.853	1783201.76	Yes	
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Tentatively Identified	8270C	Pentadecane, 8-heptyl-	343	µg/kg	Yes	NJ			186348	No	GEL	186348	266241.853	1783201.76	No	Result is a Tentatively Identified Compound
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Phenanthrene	34.6	µg/kg	Yes	R	34.6	10.4	186348	No	GEL	186348	266241.853	1783201.76	No	Data Rejected
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Phenol	346	µg/kg	Yes	U	346	69.2	186348	No	GEL	186348	266241.853	1783201.76	Yes	
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	p-Nitroaniline	346	µg/kg	Yes	U	346	69.2	186348	No	GEL	186348	266241.853	1783201.76	Yes	
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Pyrene	34.6	µg/kg	Yes	R	34.6	10.9	186348	No	GEL	186348	266241.853	1783201.76	No	Data Rejected
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Tentatively Identified	8270C	Unknown Aldol Condensate	1130	µg/kg	Yes	R			186348	No	GEL	186348	266241.853	1783201.76	No	Data Rejected; Result is a Tentatively Identified Compound
FSBS0007	FSBS0007AS01	FSBS0007AS01	5/17/2007	Soil	Primary Sample	Tentatively Identified	8270C	Unknown Hydrocarbon	260	µg/kg	Yes	R			186348	No	GEL	186348	266241.853	1783201.76	No	Data Rejected; Result is a Tentatively Identified Compound
FSBS0084	FSBS0084S01	FSBS0084S01	5/17/2007	Soil	Primary Sample	Primary Result	300	Fluoride	1.23	mg/kg	Yes	J	1.08	0.323	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S01	FSBS0084S01	5/17/2007	Soil	Primary Sample	Primary Result	6020	Zirconium	0.81	mg/kg	Yes	R	0.431	0.108	186348	No	GEL	186348	266124.846	1782857.48	No	Data Rejected
FSBS0084	FSBS0084S01	FSBS0084S01	5/17/2007	Soil	Primary Sample	Primary Result	8015B	m-Terphenyl	0.182	mg/kg	Yes	U	0.182	0.182	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S01	FSBS0084S01	5/17/2007	Soil	Primary Sample	Primary Result	8015B	o-Terphenyl	0.182	mg/kg	Yes	U	0.182	0.182	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S01	FSBS0084S01	5/17/2007	Soil	Primary Sample	Primary Result	8015B	p-Terphenyl	0.182	mg/kg	Yes	U	0.182	0.182	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S01	FSBS0084S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	1,2,4-Trichlorobenzene	364	µg/kg	Yes	U	364	72.8	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S01	FSBS0084S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	1,2-Dichlorobenzene	364	µg/kg	Yes	U	364	72.8	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S01	FSBS0084S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	1,2-Diphenylhydrazine	364	µg/kg	Yes	U	364	72.8	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S01	FSBS0084S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	1,3-Dichlorobenzene	364	µg/kg	Yes	U	364	72.8	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S01	FSBS0084S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	1,4-Dichlorobenzene	364	µg/kg	Yes	U	364	72.8	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S01	FSBS0084S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2,4,5-Trichlorophenol	364	µg/kg	Yes	U	364	72.8	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S01	FSBS0084S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2,4,6-Trichlorophenol	364	µg/kg	Yes	U	364	72.8	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S01	FSBS0084S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2,4-Dimethylphenol	364	µg/kg	Yes	U	364	72.8	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S01	FSBS0084S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2,4-Dinitrophenol	728	µg/kg	Yes	U	728	138	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S01	FSBS0084S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2,4-Dinitrotoluene	364	µg/kg	Yes	U	364	36.4	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S01	FSBS0084S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2,6-Dichlorophenol	364	µg/kg	Yes	U	364	72.8	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S01	FSBS0084S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2,6-Dinitrotoluene	364	µg/kg	Yes	U	364	36.4	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S01	FSBS0084S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2-Chloronaphthalene	36.4	µg/kg	Yes	U	36.4	12.7	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S01	FSBS0084S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2-Chlorophenol	364	µg/kg	Yes	U	364	72.8	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S01	FSBS0084S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2-Methylnaphthalene	36.4	µg/kg	Yes	U	36.4	7.28	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S01	FSBS0084S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2-Nitroaniline	364	µg/kg	Yes	U	364	72.8	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S01	FSBS0084S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2-Nitrophenol	364	µg/kg	Yes	U	364	36.4	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S01	FSBS0084S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	3,3'-Dichlorobenzidine	364	µg/kg	Yes	U	364	109	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S01	FSBS0084S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	3-Nitroaniline	364	µg/kg	Yes	U	364	72.8	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S01	FSBS0084S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	4,6-Dinitro-o-cresol	364	µg/kg	Yes	U	364	72.8	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S01	FSBS0084S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	4-Bromophenyl phenyl ether	364	µg/kg	Yes	U	364	36.4	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S01	FSBS0084S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	4-Chlorophenylphenyl ether	364	µg/kg	Yes	U	364	36.4	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S01	FSBS0084S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	4-Nitrophenol	364	µg/kg	Yes	U	364	72.8	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S01	FSBS0084S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Acenaphthene	36.4	µg/kg	Yes	U	36.4	12.2	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S01	FSBS0084S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Acenaphthylene	36.4	µg/kg	Yes	U	36.4	10.9	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S01	FSBS0084S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Aniline	364	µg/kg	Yes	U	364	127	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S01	FSBS0084S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Anthracene	36.4	µg/kg	Yes	U	36.4	7.28	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S01	FSBS0084S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Benizidine	364	µg/kg	Yes	U	364	364	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S01	FSBS0084S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Benzo(a)anthracene	36.4	µg/kg	Yes	U	36.4	10.9	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S01	FSBS0084S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Benzo(a)pyrene	36.4	µ												

Group 8 RFI Report  
Attachment D-3  
FSDF RFI Site Data Table

Object Name	Sample Name	Sample Identification	Collection Date	Matrix	Sample Type	Result Type	Analytical Method	Analyte	Concentration	Units	Validated	Project Qualifier	PQL	MDL	Sample Delivery Group	Excavated	Analytical Laboratory	Validation Report Number	Northings	Eastings	Included in Risk Assessment	Rationale for Risk Exclusion
FSBS0084	FSBS0084S01	FSBS0084S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Di-n-octyl phthalate	364	µg/kg	Yes	U	364	72.8	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S01	FSBS0084S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Diphenylamine	364	µg/kg	Yes	U	364	72.8	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S01	FSBS0084S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Fluoranthene	36.4	µg/kg	Yes	U	36.4	10.9	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S01	FSBS0084S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Fluorene	36.4	µg/kg	Yes	U	36.4	10.9	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S01	FSBS0084S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Hexachlorobenzene	364	µg/kg	Yes	U	364	72.8	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S01	FSBS0084S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Hexachlorobutadiene	364	µg/kg	Yes	U	364	72.8	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S01	FSBS0084S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Hexachlorocyclopentadiene	364	µg/kg	Yes	U	364	72.8	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S01	FSBS0084S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Hexachloroethane	364	µg/kg	Yes	U	364	72.8	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S01	FSBS0084S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Indeno(1,2,3-cd)pyrene	36.4	µg/kg	Yes	U	36.4	10.9	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S01	FSBS0084S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Isophorone	364	µg/kg	Yes	U	364	72.8	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S01	FSBS0084S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Naphthalene	36.4	µg/kg	Yes	U	36.4	10.9	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S01	FSBS0084S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Nitrobenzene	364	µg/kg	Yes	U	364	72.8	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S01	FSBS0084S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	n-Nitrosodimethylamine	364	µg/kg	Yes	U	364	72.8	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S01	FSBS0084S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	n-Nitrosodi-n-propylamine	364	µg/kg	Yes	U	364	72.8	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S01	FSBS0084S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	o-Cresol	364	µg/kg	Yes	U	364	72.8	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S01	FSBS0084S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	p-Chloroaniline	364	µg/kg	Yes	U	364	72.8	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S01	FSBS0084S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	p-Chloro-m-cresol	364	µg/kg	Yes	U	364	36.4	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S01	FSBS0084S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	p-Cresol	364	µg/kg	Yes	U	364	146	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S01	FSBS0084S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Pentachlorophenol	364	µg/kg	Yes	U	364	72.8	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S01	FSBS0084S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Phenanthrene	36.4	µg/kg	Yes	U	36.4	10.9	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S01	FSBS0084S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Phenol	364	µg/kg	Yes	U	364	72.8	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S01	FSBS0084S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	p-Nitroaniline	364	µg/kg	Yes	U	364	72.8	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S01	FSBS0084S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Pyrene	36.4	µg/kg	Yes	U	36.4	11.4	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S01	FSBS0084S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Unknown	217	µg/kg	Yes	R			186348	No	GEL	186348	266124.846	1782857.48	No	Data Rejected; Result is a Tentatively Identified Compound
FSBS0084	FSBS0084S01	FSBS0084S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Unknown Aldol Condensate	1180	µg/kg	Yes	R			186348	No	GEL	186348	266124.846	1782857.48	No	Data Rejected; Result is a Tentatively Identified Compound
FSBS0084	FSBS0084S01SP	FSBS0084S01SP	5/17/2007	Soil	Split Sample	Primary Result	6010B	Zirconium	3.8	mg/kg	Yes		3.1	0.7	D7E180378	No	STL-Den	D7E180378	266124.846	1782857.48	No	Duplicate or Split Data
FSBS0084	FSBS0084S01SP	FSBS0084S01SP	5/17/2007	Soil	Split Sample	Primary Result	9056	Fluoride	2	mg/kg	Yes		10	0.85	D7E180378	No	STL-Den	D7E180378	266124.846	1782857.48	No	Duplicate or Split Data
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	300	Fluoride	2.26	mg/kg	Yes	J	1.09	0.326	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	6020	Zirconium	4.5	mg/kg	Yes	J	0.414	0.104	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	8015B	m-Terphenyl	0.181	mg/kg	Yes	U	0.181	0.181	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	8015B	o-Terphenyl	0.181	mg/kg	Yes	U	0.181	0.181	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	8015B	p-Terphenyl	0.181	mg/kg	Yes	U	0.181	0.181	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	1,2,4-Trichlorobenzene	362	µg/kg	Yes	U	362	72.5	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	1,2-Dichlorobenzene	362	µg/kg	Yes	U	362	72.5	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	1,2-Diphenylhydrazine	362	µg/kg	Yes	U	362	72.5	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	1,3-Dichlorobenzene	362	µg/kg	Yes	U	362	72.5	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	1,4-Dichlorobenzene	362	µg/kg	Yes	U	362	72.5	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2,4,5-Trichlorophenol	362	µg/kg	Yes	U	362	72.5	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2,4,6-Trichlorophenol	362	µg/kg	Yes	U	362	72.5	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2,4-Dimethylphenol	362	µg/kg	Yes	U	362	72.5	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2,4-Dinitrophenol	725	µg/kg	Yes	U	725	138	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2,4-Dinitrotoluene	362	µg/kg	Yes	U	362	36.2	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2,6-Dichlorophenol	362	µg/kg	Yes	U	362	72.5	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2,6-Dinitrotoluene	362	µg/kg	Yes	U	362	36.2	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2-Chloronaphthalene	36.2	µg/kg	Yes	U	36.2	12.7	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2-Chlorophenol	362	µg/kg	Yes	U	362	72.5	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2-Methylnaphthalene	36.2	µg/kg	Yes	U	36.2	7.25	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2-Nitroaniline	362	µg/kg	Yes	U	362	72.5	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2-Nitrophenol	362	µg/kg	Yes	U	362	36.2	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	3,3'-Dichlorobenzidine	362	µg/kg	Yes	U	362	109	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	3-Nitroaniline	362	µg/kg	Yes	U	362	72.5	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	4,6-Dinitro-o-cresol	362	µg/kg	Yes	U	362	72.5	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	4-Bromophenyl phenyl ether	362	µg/kg	Yes	U	362	36.2	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	4-Chlorophenylphenyl ether	362	µg/kg	Yes	U	362	36.2	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	4-Nitrophenol	362	µg/kg	Yes	U	362	72.5	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S0																					

**Group 8 RFI Report  
Attachment D-3  
FSDF RFI Site Data Table**

Object Name	Sample Name	Sample Identification	Collection Date	Matrix	Sample Type	Result Type	Analytical Method	Analyte	Concentration	Units	Validated	Project Qualifier	PQL	MDL	Sample Delivery Group	Excavated	Analytical Laboratory	Validation Report Number	Northings	Eastings	Included in Risk Assessment	Rationale for Risk Exclusion
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	bis(2-Chloroethoxy)methane	362	µg/kg	Yes	U	362	72.5	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	bis(2-Chloroethyl) ether	362	µg/kg	Yes	U	362	72.5	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	bis(2-Chloroisopropyl) ether	362	µg/kg	Yes	U	362	72.5	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	bis(2-Ethylhexyl) phthalate	181	µg/kg	Yes	U	181	72.5	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Butyl benzyl phthalate	362	µg/kg	Yes	U	362	72.5	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Chryseane	36.2	µg/kg	Yes	U	36.2	10.9	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Tentatively Identified	8270C	Cyclohexane, 1-methyl-2-propyl-	198	µg/kg	Yes	R			186348	No	GEL	186348	266124.846	1782857.48	No	Data Rejected; Result is a Tentatively Identified Compound
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Dibenzo(a,h)anthracene	36.2	µg/kg	Yes	U	36.2	10.9	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Dibenzofuran	362	µg/kg	Yes	U	362	72.5	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Diethyl phthalate	362	µg/kg	Yes	U	362	72.5	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Dimethyl phthalate	362	µg/kg	Yes	U	362	72.5	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Di-n-butyl phthalate	362	µg/kg	Yes	U	362	36.2	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Di-n-octyl phthalate	362	µg/kg	Yes	U	362	72.5	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Diphenylamine	362	µg/kg	Yes	U	362	72.5	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Fluoranthene	36.2	µg/kg	Yes	U	36.2	10.9	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Fluorene	36.2	µg/kg	Yes	U	36.2	10.9	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Hexachlorobenzene	362	µg/kg	Yes	U	362	72.5	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Hexachlorobutadiene	362	µg/kg	Yes	U	362	72.5	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Hexachlorocyclopentadiene	362	µg/kg	Yes	U	362	72.5	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Hexachloroethane	362	µg/kg	Yes	U	362	72.5	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Indeno(1,2,3-cd)pyrene	36.2	µg/kg	Yes	U	36.2	10.9	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Isophorone	362	µg/kg	Yes	U	362	72.5	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Naphthalene	36.2	µg/kg	Yes	U	36.2	10.9	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Nitrobenzene	362	µg/kg	Yes	U	362	72.5	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	n-Nitrosodimethylamine	362	µg/kg	Yes	U	362	72.5	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	n-Nitrosodi-n-propylamine	362	µg/kg	Yes	U	362	72.5	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	o-Cresol	362	µg/kg	Yes	U	362	72.5	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	p-Chloroaniline	362	µg/kg	Yes	U	362	72.5	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	p-Chloro-m-cresol	362	µg/kg	Yes	U	362	36.2	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	p-Cresol	362	µg/kg	Yes	U	362	145	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Pentachlorophenol	362	µg/kg	Yes	U	362	72.5	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Phenanthrene	36.2	µg/kg	Yes	U	36.2	10.9	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Phenol	362	µg/kg	Yes	U	362	72.5	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	p-Nitroaniline	362	µg/kg	Yes	U	362	72.5	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Pyrene	36.2	µg/kg	Yes	U	36.2	11.4	186348	No	GEL	186348	266124.846	1782857.48	Yes	
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Tentatively Identified	8270C	Unknown	277	µg/kg	Yes	R			186348	No	GEL	186348	266124.846	1782857.48	No	Data Rejected; Result is a Tentatively Identified Compound
FSBS0084	FSBS0084S02	FSBS0084S02	5/17/2007	Soil	Primary Sample	Tentatively Identified	8270C	Unknown Aldol Condensate	1240	µg/kg	Yes	R			186348	No	GEL	186348	266124.846	1782857.48	No	Data Rejected; Result is a Tentatively Identified Compound
FSBS0085	FSBS0085D01	FSBS0085D01	5/17/2007	Soil	Field Duplicate	Primary Result	300	Fluoride	2.32	mg/kg	Yes	J	1.06	0.317	186348	No	GEL	186348	266116.381	1782947.59	No	Duplicate or Split Data
FSBS0085	FSBS0085D01	FSBS0085D01	5/17/2007	Soil	Field Duplicate	Primary Result	6020	Zirconium	4.6	mg/kg	Yes	J	0.438	0.109	186348	No	GEL	186348	266116.381	1782947.59	No	Duplicate or Split Data
FSBS0085	FSBS0085D01	FSBS0085D01	5/17/2007	Soil	Field Duplicate	Primary Result	8015B	m-Terphenyl	0.185	mg/kg	Yes	U	0.185	0.185	186348	No	GEL	186348	266116.381	1782947.59	No	Duplicate or Split Data
FSBS0085	FSBS0085D01	FSBS0085D01	5/17/2007	Soil	Field Duplicate	Primary Result	8015B	o-Terphenyl	0.185	mg/kg	Yes	U	0.185	0.185	186348	No	GEL	186348	266116.381	1782947.59	No	Duplicate or Split Data
FSBS0085	FSBS0085D01	FSBS0085D01	5/17/2007	Soil	Field Duplicate	Primary Result	8015B	p-Terphenyl	0.185	mg/kg	Yes	U	0.185	0.185	186348	No	GEL	186348	266116.381	1782947.59	No	Duplicate or Split Data
FSBS0085	FSBS0085D01	FSBS0085D01	5/17/2007	Soil	Field Duplicate	Primary Result	8270C	1,2,4-Trichlorobenzene	369	µg/kg	Yes	U	369	73.9	186348	No	GEL	186348	266116.381	1782947.59	No	Duplicate or Split Data
FSBS0085	FSBS0085D01	FSBS0085D01	5/17/2007	Soil	Field Duplicate	Primary Result	8270C	1,2-Dichlorobenzene	369	µg/kg	Yes	U	369	73.9	186348	No	GEL	186348	266116.381	1782947.59	No	Duplicate or Split Data
FSBS0085	FSBS0085D01	FSBS0085D01	5/17/2007	Soil	Field Duplicate	Primary Result	8270C	1,2-Diphenylhydrazine	369	µg/kg	Yes	U	369	73.9	186348	No	GEL	186348	266116.381	1782947.59	No	Duplicate or Split Data
FSBS0085	FSBS0085D01	FSBS0085D01	5/17/2007	Soil	Field Duplicate	Primary Result	8270C	1,3-Dichlorobenzene	369	µg/kg	Yes	U	369	73.9	186348	No	GEL	186348	266116.381	1782947.59	No	Duplicate or Split Data
FSBS0085	FSBS0085D01	FSBS0085D01	5/17/2007	Soil	Field Duplicate	Primary Result	8270C	1,4-Dichlorobenzene	369	µg/kg	Yes	U	369	73.9	186348	No	GEL	186348	266116.381	1782947.59	No	Duplicate or Split Data
FSBS0085	FSBS0085D01	FSBS0085D01	5/17/2007	Soil	Field Duplicate	Primary Result	8270C	2,4,5-Trichlorophenol	369	µg/kg	Yes	U	369	73.9	186348	No	GEL	186348	266116.381	1782947.59	No	Duplicate or Split Data
FSBS0085	FSBS0085D01	FSBS0085D01	5/17/2007	Soil	Field Duplicate	Primary Result	8270C	2,4,6-Trichlorophenol	369	µg/kg	Yes	U	369	73.9	186348	No	GEL	186348	266116.381	1782947.59	No	Duplicate or Split Data
FSBS0085	FSBS0085D01	FSBS0085D01	5/17/2007	Soil	Field Duplicate	Primary Result	8270C	2,4-Dimethylphenol	369	µg/kg	Yes	U	369	73.9	186348	No	GEL	186348	266116.381	1782947.59	No	Duplicate or Split Data
FSBS0085	FSBS0085D01	FSBS0085D01	5/17/2007	Soil	Field Duplicate	Primary Result	8270C	2,4-Dinitrophenol	739	µg/kg	Yes	U	739	140	186348	No	GEL	186348	266116.381	1782947.59	No	Duplicate or Split Data
FSBS0085	FSBS0085D01	FSBS0085D01	5/17/2007	Soil	Field Duplicate	Primary Result	8270C	2,4-Dinitrotoluene	369	µg/kg	Yes	U	369	36.9	186348	No	GEL	186348	266116.381	1782947.59	No	Duplicate or Split Data
FSBS0085	FSBS0085D01	FSBS0085D01	5/17/2007	Soil	Field Duplicate	Primary Result	8270C	2,6-Dichlorophenol	369	µg/kg	Yes	U	369	73.9	186348	No	GEL	186348	266116.381	1782947.59	No	Duplicate or Split Data
FSBS0085	FSBS0085D01	FSBS0085D01	5/17/2007	Soil	Field Duplicate	Primary Result	8270C	2,6-Dinitrotoluene	369	µg/kg	Yes	U	369	36.9	186348	No	GEL	186348	266116.381	1782947.59	No	Duplicate or Split Data
FSBS0085	FSBS0085D01	FSBS0085D01	5/17/2007	Soil	Field Duplicate	Primary Result	8270C	2-Chloronaphthalene	36.9	µg/kg	Yes	U	36.9	12.9	186348	No	GEL	1				







**Group 8 RFI Report  
Attachment D-3  
FSDF RFI Site Data Table**

Object Name	Sample Name	Sample Identification	Collection Date	Matrix	Sample Type	Result Type	Analytical Method	Analyte	Concentration	Units	Validated	Project Qualifier	PQL	MDL	Sample Delivery Group	Excavated	Analytical Laboratory	Validation Report Number	Northings	Eastings	Included in Risk Assessment	Rationale for Risk Exclusion
FSBS0085	FSBS0085S02	FSBS0085S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Phenanthrene	34.8	µg/kg	Yes	U	34.8	10.4	186348	No	GEL	186348	266116.381	1782947.59	Yes	
FSBS0085	FSBS0085S02	FSBS0085S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Phenol	348	µg/kg	Yes	U	348	69.6	186348	No	GEL	186348	266116.381	1782947.59	Yes	
FSBS0085	FSBS0085S02	FSBS0085S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	p-Nitroaniline	348	µg/kg	Yes	U	348	69.6	186348	No	GEL	186348	266116.381	1782947.59	Yes	
FSBS0085	FSBS0085S02	FSBS0085S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Pyrene	34.8	µg/kg	Yes	U	34.8	10.9	186348	No	GEL	186348	266116.381	1782947.59	Yes	
FSBS0085	FSBS0085S02	FSBS0085S02	5/17/2007	Soil	Primary Sample	Tentatively Identified	8270C	Tritetracontane	287	µg/kg	Yes	NJ			186348	No	GEL	186348	266116.381	1782947.59	No	Result is a Tentatively Identified Compound
FSBS0085	FSBS0085S02	FSBS0085S02	5/17/2007	Soil	Primary Sample	Tentatively Identified	8270C	Unknown	206	µg/kg	Yes	R			186348	No	GEL	186348	266116.381	1782947.59	No	Data Rejected; Result is a Tentatively Identified Compound
FSBS0085	FSBS0085S02	FSBS0085S02	5/17/2007	Soil	Primary Sample	Tentatively Identified	8270C	Unknown Aldol Condensate	1070	µg/kg	Yes	R			186348	No	GEL	186348	266116.381	1782947.59	No	Data Rejected; Result is a Tentatively Identified Compound
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	300	Fluoride	2.08	mg/kg	Yes	J	1.07	0.322	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	814.0-DI WET	Perchlorate	4	µg/L	Yes	U	4	1.14	187086H	No	GEL	187086H	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	6020	Zirconium	4.6	mg/kg	Yes	J	0.426	0.107	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8015B	m-Terphenyl	0.18	mg/kg	Yes	U	0.18	0.18	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8015B	o-Terphenyl	0.18	mg/kg	Yes	U	0.18	0.18	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8015B	p-Terphenyl	0.18	mg/kg	Yes	U	0.18	0.18	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	1,2-Trichlorobenzene	360	µg/kg	Yes	U	360	72.1	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	1,2-Diphenylhydrazine	360	µg/kg	Yes	U	360	72.1	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	1,3-Dichlorobenzene	360	µg/kg	Yes	U	360	72.1	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	1,4-Dichlorobenzene	360	µg/kg	Yes	U	360	72.1	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2,4,5-Trichlorophenol	360	µg/kg	Yes	U	360	72.1	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2,4,6-Trichlorophenol	360	µg/kg	Yes	U	360	72.1	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2,4-Dimethylphenol	360	µg/kg	Yes	U	360	72.1	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2,4-Dinitrophenol	721	µg/kg	Yes	U	721	137	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2,4-Dinitrotoluene	360	µg/kg	Yes	U	360	36	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2,6-Dichlorophenol	360	µg/kg	Yes	U	360	72.1	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2,6-Dinitrotoluene	360	µg/kg	Yes	U	360	36	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2-Chloronaphthalene	36	µg/kg	Yes	U	36	12.6	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2-Chlorophenol	360	µg/kg	Yes	U	360	72.1	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2-Methylnaphthalene	36	µg/kg	Yes	U	36	7.21	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2-Nitroaniline	360	µg/kg	Yes	U	360	72.1	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2-Nitrophenol	360	µg/kg	Yes	U	360	36	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	3,3'-Dichlorobenzidine	360	µg/kg	Yes	U	360	108	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	3-Nitroaniline	360	µg/kg	Yes	U	360	72.1	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	4,6-Dinitro-o-cresol	360	µg/kg	Yes	U	360	72.1	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	4-Bromophenyl phenyl ether	360	µg/kg	Yes	U	360	36	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	4-Chlorophenylphenyl ether	360	µg/kg	Yes	U	360	36	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	4-Nitrophenol	360	µg/kg	Yes	U	360	72.1	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Acenaphthene	36	µg/kg	Yes	U	36	12	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Acenaphthylene	36	µg/kg	Yes	U	36	10.8	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Aniline	360	µg/kg	Yes	U	360	126	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Anthracene	36	µg/kg	Yes	U	36	7.21	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Benzidine	360	µg/kg	Yes	U	360	360	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Benzo(a)anthracene	36	µg/kg	Yes	U	36	10.8	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Benzo(a)pyrene	36	µg/kg	Yes	U	36	10.8	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Benzo(b)fluoranthene	36	µg/kg	Yes	U	36	10.8	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Benzo(ghi)perylene	36	µg/kg	Yes	U	36	10.8	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Benzo(k)fluoranthene	36	µg/kg	Yes	U	36	10.8	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Benzoic acid	721	µg/kg	Yes	U	721	180	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Benzyl alcohol	360	µg/kg	Yes	U	360	108	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	bis(2-Chloroethoxy)methane	360	µg/kg	Yes	U	360	72.1	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	bis(2-Chloroethyl) ether	360	µg/kg	Yes	U	360	72.1	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	bis(2-Chloroisopropyl) ether	360	µg/kg	Yes	U	360	72.1	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	bis(2-Ethylhexyl) phthalate	180	µg/kg	Yes	U	180	72.1	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Butyl benzyl phthalate	360	µg/kg	Yes	U	360	72.1	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Chrysene	36	µg/kg	Yes	U	36	10.8	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Tentatively Identified	8270C	Cyclohexane, 1-methyl-2-propyl-	163	µg/kg	Yes	R			186348	No	GEL	186348	266085.173	1783073.54	No	Data Rejected; Result is a Tentatively Identified Compound
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Dibenzo(a,h)anthracene	36	µg/kg	Yes	U	36	10.8	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C															

**Group 8 RFI Report  
Attachment D-3  
FSDf RFI Site Data Table**

Object Name	Sample Name	Sample Identification	Collection Date	Matrix	Sample Type	Result Type	Analytical Method	Analyte	Concentration	Units	Validated	Project Qualifier	PQL	MDL	Sample Delivery Group	Excavated	Analytical Laboratory	Validation Report Number	Northings	Eastings	Included in Risk Assessment	Rationale for Risk Exclusion
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Hexachlorocyclopentadiene	360	µg/kg	Yes	U	360	72.1	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Hexachloroethane	360	µg/kg	Yes	U	360	72.1	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Indeno(1,2,3-cd)pyrene	36	µg/kg	Yes	U	36	10.8	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Isophorone	360	µg/kg	Yes	U	360	72.1	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Naphthalene	36	µg/kg	Yes	U	36	10.8	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Nitrobenzene	360	µg/kg	Yes	U	360	72.1	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	n-Nitrosodimethylamine	360	µg/kg	Yes	U	360	72.1	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	n-Nitrosodi-n-propylamine	360	µg/kg	Yes	U	360	72.1	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	o-Cresol	360	µg/kg	Yes	U	360	72.1	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Octacosane	162	µg/kg	Yes	NJ			186348	No	GEL	186348	266085.173	1783073.54	No	Result is a Tentatively Identified Compound
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	p-Chloroaniline	360	µg/kg	Yes	U	360	72.1	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	p-Chloro-m-cresol	360	µg/kg	Yes	U	360	36	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	p-Cresol	360	µg/kg	Yes	U	360	144	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Pentachlorophenol	360	µg/kg	Yes	U	360	72.1	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Phenanthrene	36	µg/kg	Yes	U	36	10.8	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Phenol	360	µg/kg	Yes	U	360	72.1	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	p-Nitroaniline	360	µg/kg	Yes	U	360	72.1	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Pyrene	36	µg/kg	Yes	U	36	11.3	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Unknown	225	µg/kg	Yes	R			186348	No	GEL	186348	266085.173	1783073.54	No	Data Rejected; Result is a Tentatively Identified Compound
FSBS0086	FSBS0086S01	FSBS0086S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Unknown Aldol Condensate	1050	µg/kg	Yes	R			186348	No	GEL	186348	266085.173	1783073.54	No	Data Rejected; Result is a Tentatively Identified Compound
FSBS0086	FSBS0086S01SP	FSBS0086S01SP	5/17/2007	Soil	Split Sample	Primary Result	6010B	Zirconium	4	mg/kg	Yes		3.3	0.74	D7E180378	No	STL-Den	D7E180378	266085.173	1783073.54	No	Duplicate or Split Data
FSBS0086	FSBS0086S01SP	FSBS0086S01SP	5/17/2007	Soil	Split Sample	Primary Result	9056	Fluoride	2	mg/kg	Yes		11	0.89	D7E180378	No	STL-Den	D7E180378	266085.173	1783073.54	No	Duplicate or Split Data
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	300	Fluoride	4.26	mg/kg	Yes	J	1.09	0.327	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	B14.0-D1 WET	Perchlorate	4	µg/L	Yes	U	4	1.14	187086H	No	GEL	187086H	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	6020	Zirconium	4.5	mg/kg	Yes	J	0.436	0.109	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	8015B	m-Terphenyl	0.183	mg/kg	Yes	U	0.183	0.183	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	8015B	o-Terphenyl	0.183	mg/kg	Yes	U	0.183	0.183	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	8015B	p-Terphenyl	0.183	mg/kg	Yes	U	0.183	0.183	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	1,2,4-Trichlorobenzene	367	µg/kg	Yes	U	367	73.3	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	1,2-Dichlorobenzene	367	µg/kg	Yes	U	367	73.3	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	1,2-Diphenylhydrazine	367	µg/kg	Yes	U	367	73.3	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	1,3-Dichlorobenzene	367	µg/kg	Yes	U	367	73.3	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	1,4-Dichlorobenzene	367	µg/kg	Yes	U	367	73.3	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2,4,5-Trichlorophenol	367	µg/kg	Yes	U	367	73.3	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2,4,6-Trichlorophenol	367	µg/kg	Yes	U	367	73.3	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2,4-Dimethylphenol	367	µg/kg	Yes	U	367	73.3	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2,4-Dinitrophenol	733	µg/kg	Yes	U	733	139	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2,4-Dinitrotoluene	367	µg/kg	Yes	U	367	36.7	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2,6-Dichlorophenol	367	µg/kg	Yes	U	367	73.3	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2,6-Dinitrotoluene	367	µg/kg	Yes	U	367	36.7	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2-Chloronaphthalene	36.7	µg/kg	Yes	U	36.7	12.8	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2-Chlorophenol	367	µg/kg	Yes	U	367	73.3	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2-Methylnaphthalene	36.7	µg/kg	Yes	U	36.7	7.33	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2-Nitroaniline	367	µg/kg	Yes	U	367	73.3	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2-Nitrophenol	367	µg/kg	Yes	U	367	36.7	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	3,3'-Dichlorobenzidine	367	µg/kg	Yes	U	367	110	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	3-Nitroaniline	367	µg/kg	Yes	U	367	73.3	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	4,6-Dinitro-o-cresol	367	µg/kg	Yes	U	367	73.3	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	4-Bromophenyl phenyl ether	367	µg/kg	Yes	U	367	36.7	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	4-Chlorophenylphenyl ether	367	µg/kg	Yes	U	367	36.7	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	4-Nitrophenol	367	µg/kg	Yes	U	367	73.3	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Acenaphthene	36.7	µg/kg	Yes	U	36.7	12.2	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Acenaphthylene	36.7	µg/kg	Yes	U	36.7	11	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Aniline	367	µg/kg	Yes	U	367	128	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Anthracene	36.7	µg/kg	Yes	U	36.7	7.33	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007																			

**Group 8 RFI Report  
Attachment D-3  
FSDf RFI Site Data Table**

Object Name	Sample Name	Sample Identification	Collection Date	Matrix	Sample Type	Result Type	Analytical Method	Analyte	Concentration	Units	Validated	Project Qualifier	PQL	MDL	Sample Delivery Group	Excavated	Analytical Laboratory	Validation Report Number	Northings	Eastings	Included in Risk Assessment	Rationale for Risk Exclusion
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Butyl benzyl phthalate	367	µg/kg	Yes	U	367	73.3	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Chrysene	36.7	µg/kg	Yes	U	36.7	11	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Tentatively Identified	8270C	Cyclohexane, 1-methyl-2-propyl-	158	µg/kg	Yes	R			186348	No	GEL	186348	266085.173	1783073.54	No	Data Rejected; Result is a Tentatively Identified Compound
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Dibenzo(a,h)anthracene	36.7	µg/kg	Yes	U	36.7	11	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Dibenzofuran	367	µg/kg	Yes	U	367	73.3	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Diethyl phthalate	367	µg/kg	Yes	U	367	73.3	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Dimethyl phthalate	367	µg/kg	Yes	U	367	73.3	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Di-n-butyl phthalate	367	µg/kg	Yes	U	367	36.7	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Di-n-octyl phthalate	367	µg/kg	Yes	U	367	73.3	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Diphenylamine	367	µg/kg	Yes	U	367	73.3	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Fluoranthene	36.7	µg/kg	Yes	U	36.7	11	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Fluorene	36.7	µg/kg	Yes	U	36.7	11	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Hexachlorobenzene	367	µg/kg	Yes	U	367	73.3	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Hexachlorobutadiene	367	µg/kg	Yes	U	367	73.3	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Hexachlorocyclopentadiene	367	µg/kg	Yes	U	367	73.3	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Hexachloroethane	367	µg/kg	Yes	U	367	73.3	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Indeno(1,2,3-cd)pyrene	36.7	µg/kg	Yes	U	36.7	11	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Isophorone	367	µg/kg	Yes	U	367	73.3	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Naphthalene	36.7	µg/kg	Yes	U	36.7	11	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Nitrobenzene	367	µg/kg	Yes	U	367	73.3	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	n-Nitrosodimethylamine	367	µg/kg	Yes	U	367	73.3	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	n-Nitrosodi-n-propylamine	367	µg/kg	Yes	U	367	73.3	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	o-Cresol	367	µg/kg	Yes	U	367	73.3	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	p-Chloroaniline	367	µg/kg	Yes	U	367	73.3	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	p-Chloro-m-cresol	367	µg/kg	Yes	U	367	36.7	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	p-Cresol	367	µg/kg	Yes	U	367	147	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Pentachlorophenol	367	µg/kg	Yes	U	367	73.3	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Phenanthrene	36.7	µg/kg	Yes	U	36.7	11	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Phenol	367	µg/kg	Yes	U	367	73.3	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	p-Nitroaniline	367	µg/kg	Yes	U	367	73.3	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Pyrene	36.7	µg/kg	Yes	U	36.7	11.5	186348	No	GEL	186348	266085.173	1783073.54	Yes	
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Tentatively Identified	8270C	Unknown	182	µg/kg	Yes	R			186348	No	GEL	186348	266085.173	1783073.54	No	Data Rejected; Result is a Tentatively Identified Compound
FSBS0086	FSBS0086S02	FSBS0086S02	5/17/2007	Soil	Primary Sample	Tentatively Identified	8270C	Unknown Aldol Condensate	941	µg/kg	Yes	R			186348	No	GEL	186348	266085.173	1783073.54	No	Data Rejected; Result is a Tentatively Identified Compound
FSBS0087	FSBS0087D01	FSBS0087D01	5/17/2007	Soil	Field Duplicate	Primary Result	300	Fluoride	2.34	mg/kg	Yes	J	1.04	0.313	186348	No	GEL	186348	266047.737	1783123.3	No	Duplicate or Split Data
FSBS0087	FSBS0087D01	FSBS0087D01	5/17/2007	Soil	Field Duplicate	Primary Result	8015B	Diesel Range Organics (C15-C20)	3.6	mg/kg	Yes	U	3.6	1.19	186348	No	GEL	186348	266047.737	1783123.3	No	Duplicate or Split Data
FSBS0087	FSBS0087D01	FSBS0087D01	5/17/2007	Soil	Field Duplicate	Primary Result	8015B	Gasoline Range Organics (C8-C11)	3.6	mg/kg	Yes	U	3.6	1.19	186348	No	GEL	186348	266047.737	1783123.3	No	Duplicate or Split Data
FSBS0087	FSBS0087D01	FSBS0087D01	5/17/2007	Soil	Field Duplicate	Primary Result	8015B	Kerosene Range Organics (C12-C14)	3.6	mg/kg	Yes	U	3.6	1.19	186348	No	GEL	186348	266047.737	1783123.3	No	Duplicate or Split Data
FSBS0087	FSBS0087D01	FSBS0087D01	5/17/2007	Soil	Field Duplicate	Primary Result	8015B	Lubricant Oil Range Organics (C21-C30)	5.7	mg/kg	Yes	U	3.6	1.19	186348	No	GEL	186348	266047.737	1783123.3	No	Duplicate or Split Data
FSBS0087	FSBS0087D01	FSBS0087D01	5/17/2007	Soil	Field Duplicate	Primary Result	8015B	m-Terphenyl	0.18	mg/kg	Yes	U	0.18	0.18	186348	No	GEL	186348	266047.737	1783123.3	No	Duplicate or Split Data
FSBS0087	FSBS0087D01	FSBS0087D01	5/17/2007	Soil	Field Duplicate	Primary Result	8015B	o-Terphenyl	0.18	mg/kg	Yes	U	0.18	0.18	186348	No	GEL	186348	266047.737	1783123.3	No	Duplicate or Split Data
FSBS0087	FSBS0087D01	FSBS0087D01	5/17/2007	Soil	Field Duplicate	Primary Result	8015B	p-Terphenyl	0.18	mg/kg	Yes	U	0.18	0.18	186348	No	GEL	186348	266047.737	1783123.3	No	Duplicate or Split Data
FSBS0087	FSBS0087D01	FSBS0087D01	5/17/2007	Soil	Field Duplicate	Primary Result	8270C	1,2,4-Trichlorobenzene	360	µg/kg	Yes	U	360	71.9	186348	No	GEL	186348	266047.737	1783123.3	No	Duplicate or Split Data
FSBS0087	FSBS0087D01	FSBS0087D01	5/17/2007	Soil	Field Duplicate	Primary Result	8270C	1,2-Dichlorobenzene	360	µg/kg	Yes	U	360	71.9	186348	No	GEL	186348	266047.737	1783123.3	No	Duplicate or Split Data
FSBS0087	FSBS0087D01	FSBS0087D01	5/17/2007	Soil	Field Duplicate	Primary Result	8270C	1,2-Diphenylhydrazine	360	µg/kg	Yes	U	360	71.9	186348	No	GEL	186348	266047.737	1783123.3	No	Duplicate or Split Data
FSBS0087	FSBS0087D01	FSBS0087D01	5/17/2007	Soil	Field Duplicate	Primary Result	8270C	1,3-Dichlorobenzene	360	µg/kg	Yes	U	360	71.9	186348	No	GEL	186348	266047.737	1783123.3	No	Duplicate or Split Data
FSBS0087	FSBS0087D01	FSBS0087D01	5/17/2007	Soil	Field Duplicate	Primary Result	8270C	1,4-Dichlorobenzene	360	µg/kg	Yes	U	360	71.9	186348	No	GEL	186348	266047.737	1783123.3	No	Duplicate or Split Data
FSBS0087	FSBS0087D01	FSBS0087D01	5/17/2007	Soil	Field Duplicate	Primary Result	8270C	2,4,5-Trichlorophenol	360	µg/kg	Yes	U	360	71.9	186348	No	GEL	186348	266047.737	1783123.3	No	Duplicate or Split Data
FSBS0087	FSBS0087D01	FSBS0087D01	5/17/2007	Soil	Field Duplicate	Primary Result	8270C	2,4,6-Trichlorophenol	360	µg/kg	Yes	U	360	71.9	186348	No	GEL	186348	266047.737	1783123.3	No	Duplicate or Split Data
FSBS0087	FSBS0087D01	FSBS0087D01	5/17/2007	Soil	Field Duplicate	Primary Result	8270C	2,4-Dimethylphenol	360	µg/kg	Yes	U	360	71.9	186348	No	GEL	186348	266047.737	1783123.3	No	Duplicate or Split Data
FSBS0087	FSBS0087D01	FSBS0087D01	5/17/2007	Soil	Field Duplicate	Primary Result	8270C	2,4-Dinitrophenol	719	µg/kg	Yes	U	719	137	186348	No	GEL	186348	266047.737	1783123.3	No	Duplicate or Split Data
FSBS0087	FSBS0087D01	FSBS0087D01	5/17/2007	Soil	Field Duplicate	Primary Result	8270C	2,4-Dinitrotoluene	360	µg/kg	Yes	U	360	36	186348	No	GEL	186348	266047.737	1783123.3	No	Duplicate or Split Data
FSBS0087	FSBS0087D01	FSBS0087D01	5/17/2007	Soil	Field Duplicate	Primary Result	8270C	2,6-Dichlorophenol	360	µg/kg	Yes	U	360	71.9	186348	No	GEL	186348	266047.737	1783123.3	No	Duplicate or Split Data
FSBS0087	FSBS0087D01	FSBS0087D01	5/17/2007	Soil	Field Duplicate	Primary Result	8270C	2,6-Dinitrotoluene	360	µg/kg	Yes	U	360	36	186348	No	GEL	186348	266047.737	1783123.3	No	Duplicate or Split Data
FSBS0087	FSBS0087D01	FSBS0087D01	5/17/2007	Soil	Field Duplicate	Primary Result	8270C	2-Chloronaphthalene	36	µg/kg	Yes	U	36	12.6	186348	No	GEL	186348	266047.737	1783123.3	No	Duplicate or Split Data
FSBS0087	FSBS0087D01	FSBS0087D01	5/17/2007	Soil	Field Duplicate	Primary Result	8270C	2-Chlorophenol	360	µg/kg	Yes	U	360	71.9	186348	No	GEL	186348	266047.737	1783123		



Group 8 RFI Report  
Attachment D-3  
FSDF RFI Site Data Table

Object Name	Sample Name	Sample Identification	Collection Date	Matrix	Sample Type	Result Type	Analytical Method	Analyte	Concentration	Units	Validated	Project Qualifier	PQL	MDL	Sample Delivery Group	Excavated	Analytical Laboratory	Validation Report Number	Northings	Eastings	Included in Risk Assessment	Rationale for Risk Exclusion
FSBS0087	FSBS0087D01	FSBS0087D01	5/17/2007	Soil	Field Duplicate	Primary Result	8270C SIM	bis(2-Ethylhexyl) phthalate	18	µg/kg	Yes	UJ	18	3.6	186348	No	GEL	186348	266047.737	1783123.3	No	Duplicate or Split Data
FSBS0087	FSBS0087D01	FSBS0087D01	5/17/2007	Soil	Field Duplicate	Primary Result	8270C SIM	Butyl benzyl phthalate	18	µg/kg	Yes	U	18	5.39	186348	No	GEL	186348	266047.737	1783123.3	No	Duplicate or Split Data
FSBS0087	FSBS0087D01	FSBS0087D01	5/17/2007	Soil	Field Duplicate	Primary Result	8270C SIM	Chrysene	18	µg/kg	Yes	U	18	5.39	186348	No	GEL	186348	266047.737	1783123.3	No	Duplicate or Split Data
FSBS0087	FSBS0087D01	FSBS0087D01	5/17/2007	Soil	Field Duplicate	Primary Result	8270C SIM	Dibenzo(a,h)anthracene	18	µg/kg	Yes	U	18	5.39	186348	No	GEL	186348	266047.737	1783123.3	No	Duplicate or Split Data
FSBS0087	FSBS0087D01	FSBS0087D01	5/17/2007	Soil	Field Duplicate	Primary Result	8270C SIM	Diethyl phthalate	18	µg/kg	Yes	U	18	5.39	186348	No	GEL	186348	266047.737	1783123.3	No	Duplicate or Split Data
FSBS0087	FSBS0087D01	FSBS0087D01	5/17/2007	Soil	Field Duplicate	Primary Result	8270C SIM	Dimethyl phthalate	18	µg/kg	Yes	U	18	5.39	186348	No	GEL	186348	266047.737	1783123.3	No	Duplicate or Split Data
FSBS0087	FSBS0087D01	FSBS0087D01	5/17/2007	Soil	Field Duplicate	Primary Result	8270C SIM	Di-n-butyl phthalate	6.49	µg/kg	Yes	J	18	5.39	186348	No	GEL	186348	266047.737	1783123.3	No	Duplicate or Split Data
FSBS0087	FSBS0087D01	FSBS0087D01	5/17/2007	Soil	Field Duplicate	Primary Result	8270C SIM	Di-n-octyl phthalate	18	µg/kg	Yes	U	18	5.39	186348	No	GEL	186348	266047.737	1783123.3	No	Duplicate or Split Data
FSBS0087	FSBS0087D01	FSBS0087D01	5/17/2007	Soil	Field Duplicate	Primary Result	8270C SIM	Fluoranthene	18	µg/kg	Yes	U	18	5.39	186348	No	GEL	186348	266047.737	1783123.3	No	Duplicate or Split Data
FSBS0087	FSBS0087D01	FSBS0087D01	5/17/2007	Soil	Field Duplicate	Primary Result	8270C SIM	Fluorene	18	µg/kg	Yes	U	18	5.39	186348	No	GEL	186348	266047.737	1783123.3	No	Duplicate or Split Data
FSBS0087	FSBS0087D01	FSBS0087D01	5/17/2007	Soil	Field Duplicate	Primary Result	8270C SIM	Indeno(1,2,3-cd)pyrene	18	µg/kg	Yes	U	18	5.39	186348	No	GEL	186348	266047.737	1783123.3	No	Duplicate or Split Data
FSBS0087	FSBS0087D01	FSBS0087D01	5/17/2007	Soil	Field Duplicate	Primary Result	8270C SIM	Naphthalene	18	µg/kg	Yes	U	18	5.39	186348	No	GEL	186348	266047.737	1783123.3	No	Duplicate or Split Data
FSBS0087	FSBS0087D01	FSBS0087D01	5/17/2007	Soil	Field Duplicate	Primary Result	8270C SIM	n-Nitrosodimethylamine	18	µg/kg	Yes	U	18	3.6	186348	No	GEL	186348	266047.737	1783123.3	No	Duplicate or Split Data
FSBS0087	FSBS0087D01	FSBS0087D01	5/17/2007	Soil	Field Duplicate	Primary Result	8270C SIM	Phenanthrene	18	µg/kg	Yes	U	18	5.39	186348	No	GEL	186348	266047.737	1783123.3	No	Duplicate or Split Data
FSBS0087	FSBS0087D01	FSBS0087D01	5/17/2007	Soil	Field Duplicate	Primary Result	8270C SIM	Pyrene	18	µg/kg	Yes	U	18	5.64	186348	No	GEL	186348	266047.737	1783123.3	No	Duplicate or Split Data
FSBS0087	FSBS0087S01	FSBS0087S01	5/17/2007	Soil	Primary Sample	Primary Result	300	Fluoride	2.08	mg/kg	Yes	J	1.05	0.315	186348	No	GEL	186348	266047.737	1783123.3	Yes	
FSBS0087	FSBS0087S01	FSBS0087S01	5/17/2007	Soil	Primary Sample	Primary Result	314.0-DI WE1	Perchlorate	4	µg/L	Yes	U	4	1.14	187086H	No	GEL	187086H	266047.737	1783123.3	Yes	
FSBS0087	FSBS0087S01	FSBS0087S01	5/17/2007	Soil	Primary Sample	Primary Result	8015B	Diesel Range Organics (C15-C20)	3.54	mg/kg	Yes	U	3.54	1.17	186348	No	GEL	186348	266047.737	1783123.3	Yes	
FSBS0087	FSBS0087S01	FSBS0087S01	5/17/2007	Soil	Primary Sample	Primary Result	8015B	Gasoline Range Organics (C8-C11)	3.54	mg/kg	Yes	U	3.54	1.17	186348	No	GEL	186348	266047.737	1783123.3	Yes	
FSBS0087	FSBS0087S01	FSBS0087S01	5/17/2007	Soil	Primary Sample	Primary Result	8015B	Kerosene Range Organics (C12-C14)	3.54	mg/kg	Yes	U	3.54	1.17	186348	No	GEL	186348	266047.737	1783123.3	Yes	
FSBS0087	FSBS0087S01	FSBS0087S01	5/17/2007	Soil	Primary Sample	Primary Result	8015B	Lubricant Oil Range Organics (C21-C30)	10.2	mg/kg	Yes	U	3.54	1.17	186348	No	GEL	186348	266047.737	1783123.3	Yes	
FSBS0087	FSBS0087S01	FSBS0087S01	5/17/2007	Soil	Primary Sample	Primary Result	8015B	m-Terphenyl	0.177	mg/kg	Yes	U	0.177	0.177	186348	No	GEL	186348	266047.737	1783123.3	Yes	
FSBS0087	FSBS0087S01	FSBS0087S01	5/17/2007	Soil	Primary Sample	Primary Result	8015B	o-Terphenyl	0.177	mg/kg	Yes	U	0.177	0.177	186348	No	GEL	186348	266047.737	1783123.3	Yes	
FSBS0087	FSBS0087S01	FSBS0087S01	5/17/2007	Soil	Primary Sample	Primary Result	8015B	p-Terphenyl	0.177	mg/kg	Yes	U	0.177	0.177	186348	No	GEL	186348	266047.737	1783123.3	Yes	
FSBS0087	FSBS0087S01	FSBS0087S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	1,2,4-Trichlorobenzene	354	µg/kg	Yes	U	354	70.8	186348	No	GEL	186348	266047.737	1783123.3	Yes	
FSBS0087	FSBS0087S01	FSBS0087S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	1,2-Dichlorobenzene	354	µg/kg	Yes	U	354	70.8	186348	No	GEL	186348	266047.737	1783123.3	Yes	
FSBS0087	FSBS0087S01	FSBS0087S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	1,2-Diphenylhydrazine	354	µg/kg	Yes	U	354	70.8	186348	No	GEL	186348	266047.737	1783123.3	Yes	
FSBS0087	FSBS0087S01	FSBS0087S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	1,3-Dichlorobenzene	354	µg/kg	Yes	U	354	70.8	186348	No	GEL	186348	266047.737	1783123.3	Yes	
FSBS0087	FSBS0087S01	FSBS0087S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	1,4-Dichlorobenzene	354	µg/kg	Yes	U	354	70.8	186348	No	GEL	186348	266047.737	1783123.3	Yes	
FSBS0087	FSBS0087S01	FSBS0087S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2,4,5-Trichlorophenol	354	µg/kg	Yes	U	354	70.8	186348	No	GEL	186348	266047.737	1783123.3	Yes	
FSBS0087	FSBS0087S01	FSBS0087S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2,4,6-Trichlorophenol	354	µg/kg	Yes	U	354	70.8	186348	No	GEL	186348	266047.737	1783123.3	Yes	
FSBS0087	FSBS0087S01	FSBS0087S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2,4-Dimethylphenol	354	µg/kg	Yes	U	354	70.8	186348	No	GEL	186348	266047.737	1783123.3	Yes	
FSBS0087	FSBS0087S01	FSBS0087S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2,4-Dinitrophenol	708	µg/kg	Yes	U	708	135	186348	No	GEL	186348	266047.737	1783123.3	Yes	
FSBS0087	FSBS0087S01	FSBS0087S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2,4-Dinitrotoluene	354	µg/kg	Yes	U	354	35.4	186348	No	GEL	186348	266047.737	1783123.3	Yes	
FSBS0087	FSBS0087S01	FSBS0087S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2,6-Dichlorophenol	354	µg/kg	Yes	U	354	70.8	186348	No	GEL	186348	266047.737	1783123.3	Yes	
FSBS0087	FSBS0087S01	FSBS0087S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2,6-Dinitrotoluene	354	µg/kg	Yes	U	354	35.4	186348	No	GEL	186348	266047.737	1783123.3	Yes	
FSBS0087	FSBS0087S01	FSBS0087S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2-Chloronaphthalene	35.4	µg/kg	Yes	U	35.4	12.4	186348	No	GEL	186348	266047.737	1783123.3	Yes	
FSBS0087	FSBS0087S01	FSBS0087S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2-Chlorophenol	354	µg/kg	Yes	U	354	70.8	186348	No	GEL	186348	266047.737	1783123.3	Yes	
FSBS0087	FSBS0087S01	FSBS0087S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2-Methylnaphthalene	35.4	µg/kg	Yes	R	35.4	7.08	186348	No	GEL	186348	266047.737	1783123.3	No	Data Rejected
FSBS0087	FSBS0087S01	FSBS0087S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2-Nitroaniline	354	µg/kg	Yes	U	354	70.8	186348	No	GEL	186348	266047.737	1783123.3	Yes	
FSBS0087	FSBS0087S01	FSBS0087S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	2-Nitrophenol	354	µg/kg	Yes	U	354	35.4	186348	No	GEL	186348	266047.737	1783123.3	Yes	
FSBS0087	FSBS0087S01	FSBS0087S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	3,3'-Dichlorobenzidine	354	µg/kg	Yes	U	354	106	186348	No	GEL	186348	266047.737	1783123.3	Yes	
FSBS0087	FSBS0087S01	FSBS0087S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	3-Nitroaniline	354	µg/kg	Yes	U	354	70.8	186348	No	GEL	186348	266047.737	1783123.3	Yes	
FSBS0087	FSBS0087S01	FSBS0087S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	4,6-Dinitro-o-cresol	354	µg/kg	Yes	U	354	70.8	186348	No	GEL	186348	266047.737	1783123.3	Yes	
FSBS0087	FSBS0087S01	FSBS0087S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	4-Bromophenyl phenyl ether	354	µg/kg	Yes	U	354	35.4	186348	No	GEL	186348	266047.737	1783123.3	Yes	
FSBS0087	FSBS0087S01	FSBS0087S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	4-Chlorophenylphenyl ether	354	µg/kg	Yes	U	354	35.4	186348	No	GEL	186348	266047.737	1783123.3	Yes	
FSBS0087	FSBS0087S01	FSBS0087S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	4-Nitrophenol	354	µg/kg	Yes	U	354	70.8	186348	No	GEL	186348	266047.737	1783123.3	Yes	
FSBS0087	FSBS0087S01	FSBS0087S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Acenaphthene	35.4	µg/kg	Yes	R	35.4	11.8	186348	No	GEL	186348	266047.737	1783123.3	No	Data Rejected
FSBS0087	FSBS0087S01	FSBS0087S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Acenaphthylene	35.4	µg/kg	Yes	R	35.4	10.6	186348	No	GEL	186348	266047.737	1783123.3	No	Data Rejected
FSBS0087	FSBS0087S01	FSBS0087S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Aniline	354	µg/kg	Yes	U	354	124	186348	No	GEL	186348	266047.737	1783123.3	Yes	
FSBS0087	FSBS0087S01	FSBS0087S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Anthracene	35.4	µg/kg	Yes	R	35.4	7.08	186348	No	GEL	186348	266047.737	1783123.3	No	Data Rejected
FSBS0087	FSBS0087S01	FSBS0087S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Benzidine	354	µg/kg	Yes	U	354	354	186348	No	GEL	186348	266047.737	1783123.3	Yes	
FSBS0087	FSBS0087S01	FSBS0087S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Benzo(a)anthracene	35.4	µg/kg	Yes	R	35.4	10.6	186348	No	GEL	186348	266047.737	1783123.3	No	Data Rejected
FSBS0087	FSBS0087S01	FSBS0087S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Benzo(a)pyrene	35.4	µg/kg	Yes	R	35.4	10.6	186348	No	GEL	186348	266047.737	1783123.3	No	Data Rejected
FSBS0087	FSBS0087S01	FSBS0087S01	5/17/2007	Soil	Primary Sample	Primary Result	8270C	Benzo(b)fluoranthene	35.4	µg/kg	Yes	R	35.4	10.6	186348	No	GEL	186348	266047.737	1783123.3	No	Data Rejected







**Group 8 RFI Report  
Attachment D-3  
FSDF RFI Site Data Table**

Object Name	Sample Name	Sample Identification	Collection Date	Matrix	Sample Type	Result Type	Analytical Method	Analyte	Concentration	Units	Validated	Project Qualifier	PQL	MDL	Sample Delivery Group	Excavated	Analytical Laboratory	Validation Report Number	Northings	Eastings	Included in Risk Assessment	Rationale for Risk Exclusion
FSBS0092	FSBS0092D01	FSBS0092D01	5/17/2007	Soil	Field Duplicate	Primary Result	1613B	Pentachlorodibenzo-p-dioxins	2.06	ng/kg	Yes	J	3.39	0.268	186348	No	GEL	186348	266801.233	1783424.07	No	Duplicate or Split Data; Congeners or Isomers of this compound were used
FSBS0092	FSBS0092D01	FSBS0092D01	5/17/2007	Soil	Field Duplicate	Calculated Result	1613B	TCDD TEQ (ND=0) 2005 WHO	2.64871	ng/kg					186348	No	GEL		266801.233	1783424.07	No	Duplicate or Split Data; Congeners or Isomers of this compound were used
FSBS0092	FSBS0092D01	FSBS0092D01	5/17/2007	Soil	Field Duplicate	Primary Result	1613B	Tetrachlorodibenzofurans	6.29	ng/kg	Yes		0.678	0.425	186348	No	GEL	186348	266801.233	1783424.07	No	Duplicate or Split Data; Congeners or Isomers of this compound were used
FSBS0092	FSBS0092D01	FSBS0092D01	5/17/2007	Soil	Field Duplicate	Primary Result	1613B	Tetrachlorodibenzo-p-dioxins	0.5	ng/kg	Yes	J	0.678	0.363	186348	No	GEL	186348	266801.233	1783424.07	No	Duplicate or Split Data; Congeners or Isomers of this compound were used
FSBS0092	FSBS0092D01	FSBS0092D01	5/17/2007	Soil	Field Duplicate	Primary Result	300	Fluoride	1.1	mg/kg	Yes	J	1.03	0.309	186348	No	GEL	186348	266801.233	1783424.07	No	Duplicate or Split Data
FSBS0092	FSBS0092D01	FSBS0092D01	5/17/2007	Soil	Field Duplicate	Primary Result	6020	Zirconium	3.3	mg/kg	Yes	J	0.424	0.106	186348	No	GEL	186348	266801.233	1783424.07	No	Duplicate or Split Data
FSBS0092	FSBS0092D01	FSBS0092D01	5/17/2007	Soil	Field Duplicate	Primary Result	7471A	Mercury	0.072	mg/kg	Yes		0.00997	0.00249	186348	No	GEL	186348	266801.233	1783424.07	No	Duplicate or Split Data
FSBS0092	FSBS0092D01	FSBS0092D01	5/17/2007	Soil	Field Duplicate	Primary Result	8015B	m-Terphenyl	0.178	mg/kg	Yes	U	0.178	0.178	186348	No	GEL	186348	266801.233	1783424.07	No	Duplicate or Split Data
FSBS0092	FSBS0092D01	FSBS0092D01	5/17/2007	Soil	Field Duplicate	Primary Result	8015B	o-Terphenyl	0.178	mg/kg	Yes	U	0.178	0.178	186348	No	GEL	186348	266801.233	1783424.07	No	Duplicate or Split Data
FSBS0092	FSBS0092D01	FSBS0092D01	5/17/2007	Soil	Field Duplicate	Primary Result	8015B	p-Terphenyl	0.178	mg/kg	Yes	U	0.178	0.178	186348	No	GEL	186348	266801.233	1783424.07	No	Duplicate or Split Data
FSBS0092	FSBS0092D01	FSBS0092D01	5/17/2007	Soil	Field Duplicate	Primary Result	8082	Aroclor 1016	3.56	µg/kg	Yes	U	3.56	1.18	186348	No	GEL	186348	266801.233	1783424.07	No	Duplicate or Split Data
FSBS0092	FSBS0092D01	FSBS0092D01	5/17/2007	Soil	Field Duplicate	Primary Result	8082	Aroclor 1221	3.56	µg/kg	Yes	U	3.56	1.18	186348	No	GEL	186348	266801.233	1783424.07	No	Duplicate or Split Data
FSBS0092	FSBS0092D01	FSBS0092D01	5/17/2007	Soil	Field Duplicate	Primary Result	8082	Aroclor 1232	3.56	µg/kg	Yes	U	3.56	1.18	186348	No	GEL	186348	266801.233	1783424.07	No	Duplicate or Split Data
FSBS0092	FSBS0092D01	FSBS0092D01	5/17/2007	Soil	Field Duplicate	Primary Result	8082	Aroclor 1242	3.56	µg/kg	Yes	U	3.56	1.18	186348	No	GEL	186348	266801.233	1783424.07	No	Duplicate or Split Data
FSBS0092	FSBS0092D01	FSBS0092D01	5/17/2007	Soil	Field Duplicate	Primary Result	8082	Aroclor 1248	3.56	µg/kg	Yes	U	3.56	1.18	186348	No	GEL	186348	266801.233	1783424.07	No	Duplicate or Split Data
FSBS0092	FSBS0092D01	FSBS0092D01	5/17/2007	Soil	Field Duplicate	Primary Result	8082	Aroclor 1254	23.2	µg/kg	Yes		3.56	1.18	186348	No	GEL	186348	266801.233	1783424.07	No	Duplicate or Split Data
FSBS0092	FSBS0092D01	FSBS0092D01	5/17/2007	Soil	Field Duplicate	Primary Result	8082	Aroclor 1260	10.1	µg/kg	Yes		3.56	1.18	186348	No	GEL	186348	266801.233	1783424.07	No	Duplicate or Split Data
FSBS0092	FSBS0092S01	FSBS0092S01	5/17/2007	Soil	Primary Sample	Primary Result	1613B	1,2,3,4,6,7,8-Heptachlorodibenzofuran	5.24	ng/kg	Yes		3.06	0.324	186348	No	GEL	186348	266801.233	1783424.07	Yes	
FSBS0092	FSBS0092S01	FSBS0092S01	5/17/2007	Soil	Primary Sample	Primary Result	1613B	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	2.04	ng/kg	Yes	J	3.06	0.521	186348	No	GEL	186348	266801.233	1783424.07	Yes	
FSBS0092	FSBS0092S01	FSBS0092S01	5/17/2007	Soil	Primary Sample	Primary Result	1613B	1,2,3,4,7,8,9-Heptachlorodibenzofuran	0.521	ng/kg	Yes	U	3.06	0.521	186348	No	GEL	186348	266801.233	1783424.07	Yes	
FSBS0092	FSBS0092S01	FSBS0092S01	5/17/2007	Soil	Primary Sample	Primary Result	1613B	1,2,3,4,7,8-Hexachlorodibenzofuran	3.06	ng/kg	Yes	UJ	3.06	3.06	186348	No	GEL	186348	266801.233	1783424.07	Yes	
FSBS0092	FSBS0092S01	FSBS0092S01	5/17/2007	Soil	Primary Sample	Primary Result	1613B	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	0.289	ng/kg	Yes	U	3.06	0.289	186348	No	GEL	186348	266801.233	1783424.07	Yes	
FSBS0092	FSBS0092S01	FSBS0092S01	5/17/2007	Soil	Primary Sample	Primary Result	1613B	1,2,3,6,7,8-Hexachlorodibenzofuran	0.286	ng/kg	Yes	J	3.06	0.2	186348	No	GEL	186348	266801.233	1783424.07	Yes	
FSBS0092	FSBS0092S01	FSBS0092S01	5/17/2007	Soil	Primary Sample	Primary Result	1613B	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	0.302	ng/kg	Yes	U	3.06	0.302	186348	No	GEL	186348	266801.233	1783424.07	Yes	
FSBS0092	FSBS0092S01	FSBS0092S01	5/17/2007	Soil	Primary Sample	Primary Result	1613B	1,2,3,7,8,9-Hexachlorodibenzofuran	0.295	ng/kg	Yes	U	3.06	0.295	186348	No	GEL	186348	266801.233	1783424.07	Yes	
FSBS0092	FSBS0092S01	FSBS0092S01	5/17/2007	Soil	Primary Sample	Primary Result	1613B	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	0.488	ng/kg	Yes	J	3.06	0.293	186348	No	GEL	186348	266801.233	1783424.07	Yes	
FSBS0092	FSBS0092S01	FSBS0092S01	5/17/2007	Soil	Primary Sample	Primary Result	1613B	1,2,3,7,8-Pentachlorodibenzofuran	0.142	ng/kg	Yes	U	3.06	0.142	186348	No	GEL	186348	266801.233	1783424.07	Yes	
FSBS0092	FSBS0092S01	FSBS0092S01	5/17/2007	Soil	Primary Sample	Primary Result	1613B	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	0.252	ng/kg	Yes	U	3.06	0.252	186348	No	GEL	186348	266801.233	1783424.07	Yes	
FSBS0092	FSBS0092S01	FSBS0092S01	5/17/2007	Soil	Primary Sample	Primary Result	1613B	2,3,4,6,7,8-Hexachlorodibenzofuran	0.206	ng/kg	Yes	U	3.06	0.206	186348	No	GEL	186348	266801.233	1783424.07	Yes	
FSBS0092	FSBS0092S01	FSBS0092S01	5/17/2007	Soil	Primary Sample	Primary Result	1613B	2,3,4,7,8-Pentachlorodibenzofuran	0.182	ng/kg	Yes	J	3.06	0.157	186348	No	GEL	186348	266801.233	1783424.07	Yes	
FSBS0092	FSBS0092S01	FSBS0092S01	5/17/2007	Soil	Primary Sample	Primary Result	1613B	2,3,7,8-TCDD	0.362	ng/kg	Yes	U	0.611	0.362	186348	No	GEL	186348	266801.233	1783424.07	Yes	
FSBS0092	FSBS0092S01	FSBS0092S01	5/17/2007	Soil	Primary Sample	Primary Result	1613B	2,3,7,8-Tetrachlorodibenzofuran	0.322	ng/kg	Yes	U	0.611	0.322	186348	No	GEL	186348	266801.233	1783424.07	Yes	
FSBS0092	FSBS0092S01	FSBS0092S01	5/17/2007	Soil	Primary Sample	Primary Result	1613B	Heptachlorodibenzofurans	5.96	ng/kg	Yes		3.06	0.41	186348	No	GEL	186348	266801.233	1783424.07	No	Congeners or Isomers of this compound were used
FSBS0092	FSBS0092S01	FSBS0092S01	5/17/2007	Soil	Primary Sample	Primary Result	1613B	Heptachlorodibenzo-p-dioxins	4.22	ng/kg	Yes		3.06	0.521	186348	No	GEL	186348	266801.233	1783424.07	No	Congeners or Isomers of this compound were used
FSBS0092	FSBS0092S01	FSBS0092S01	5/17/2007	Soil	Primary Sample	Primary Result	1613B	Hexachlorodibenzofurans	2.63	ng/kg	Yes	J	3.06	0.223	186348	No	GEL	186348	266801.233	1783424.07	No	Congeners or Isomers of this compound were used
FSBS0092	FSBS0092S01	FSBS0092S01	5/17/2007	Soil	Primary Sample	Primary Result	1613B	Hexachlorodibenzo-p-dioxins	0.488	ng/kg	Yes	J	3.06	0.295	186348	No	GEL	186348	266801.233	1783424.07	No	Congeners or Isomers of this compound were used
FSBS0092	FSBS0092S01	FSBS0092S01	5/17/2007	Soil	Primary Sample	Primary Result	1613B	Octachlorodibenzofuran	6.62	ng/kg	Yes	UJ	6.62	6.62	186348	No	GEL	186348	266801.233	1783424.07	Yes	
FSBS0092	FSBS0092S01	FSBS0092S01	5/17/2007	Soil	Primary Sample	Primary Result	1613B	Octachlorodibenzo-p-dioxin	23.2	ng/kg	Yes		6.11	0.93	186348	No	GEL	186348	266801.233	1783424.07	Yes	
FSBS0092	FSBS0092S01	FSBS0092S01	5/17/2007	Soil	Primary Sample	Primary Result	1613B	Pentachlorodibenzofurans	1.13	ng/kg	Yes	J	3.06	0.15	186348	No	GEL	186348	266801.233	1783424.07	No	Congeners or Isomers of this compound were used
FSBS0092	FSBS0092S01	FSBS0092S01	5/17/2007	Soil	Primary Sample	Primary Result	1613B	Pentachlorodibenzo-p-dioxins	0.252	ng/kg	Yes	U	3.06	0.252	186348	No	GEL	186348	266801.233	1783424.07	No	Congeners or Isomers of this compound were used
FSBS0092	FSBS0092S01	FSBS0092S01	5/17/2007	Soil	Primary Sample	Calculated Result	1613B	TCDD TEQ (ND=0) 2005 WHO	0.21176	ng/kg					186348	No	GEL		266801.233	1783424.07	No	Congeners or Isomers of this compound were used
FSBS0092	FSBS0092S01	FSBS0092S01	5/17/2007	Soil	Primary Sample	Primary Result	1613B	Tetrachlorodibenzofurans	0.547	ng/kg	Yes	J	0.611	0.322	186348	No	GEL	186348	266801.233	1783424.07	No	Congeners or Isomers of this compound were used
FSBS0092	FSBS0092S01	FSBS0092S01	5/17/2007	Soil	Primary Sample	Primary Result	1613B	Tetrachlorodibenzo-p-dioxins	0.362	ng/kg	Yes	U	0.611	0.362	186348	No	GEL	186348	266801.233	1783424.07	No	Congeners or Isomers of this compound were used
FSBS0092	FSBS0092S01	FSBS0092S01	5/17/2007	Soil	Primary Sample	Primary Result	300	Fluoride	2.1	mg/kg	Yes	J	1.05	0.315	186348	No	GEL	186348	266801.233	1783424.07	Yes	
FSBS0092	FSBS0092S01	FSBS0092S01	5/17/2007	Soil	Primary Sample	Primary Result	6020	Zirconium	2.1	mg/kg	Yes	J	0.407	0.102	186348	No	GEL	186348	266801.233	1783424.07	Yes	
FSBS0092	FSBS0092S01	FSBS0092S01	5/17/2007	Soil	Primary Sample	Primary Result	7471A	Mercury	0.1	mg/kg	Yes		0.0106	0.00264	186348	No	GEL	186348	266801.233	1783424.07	Yes	
FSBS0092	FSBS0092S01	FSBS0092S01	5/17/2007	Soil	Primary Sample	Primary Result	8015B	m-Terphenyl	0.177	mg/kg	Yes	U	0.177	0.177	186348	No	GEL	186348	266801.233	1783424.07	Yes	
FSBS0092	FSBS0092S01	FSBS0092S01	5/17/2007	Soil	Primary Sample	Primary Result	8015B	o-Terphenyl	0.177	mg/kg	Yes	U	0.177</									

**Group 8 RFI Report  
Attachment D-3  
FSDF RFI Site Data Table**

Object Name	Sample Name	Sample Identification	Collection Date	Matrix	Sample Type	Result Type	Analytical Method	Analyte	Concentration	Units	Validated	Project Qualifier	PQL	MDL	Sample Delivery Group	Excavated	Analytical Laboratory	Validation Report Number	Northings	Eastings	Included in Risk Assessment	Rationale for Risk Exclusion
FSBS0092	FSBS0092S02	FSBS0092S02	5/17/2007	Soil	Primary Sample	Primary Result	1613B	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	0.317	ng/kg	Yes	U	3.18	0.317	186348	No	GEL	186348	266801.233	1783424.07	Yes	
FSBS0092	FSBS0092S02	FSBS0092S02	5/17/2007	Soil	Primary Sample	Primary Result	1613B	1,2,3,7,8-Pentachlorodibenzofuran	0.155	ng/kg	Yes	U	3.18	0.155	186348	No	GEL	186348	266801.233	1783424.07	Yes	
FSBS0092	FSBS0092S02	FSBS0092S02	5/17/2007	Soil	Primary Sample	Primary Result	1613B	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	0.201	ng/kg	Yes	U	3.18	0.201	186348	No	GEL	186348	266801.233	1783424.07	Yes	
FSBS0092	FSBS0092S02	FSBS0092S02	5/17/2007	Soil	Primary Sample	Primary Result	1613B	2,3,4,6,7,8-Hexachlorodibenzofuran	0.216	ng/kg	Yes	U	3.18	0.216	186348	No	GEL	186348	266801.233	1783424.07	Yes	
FSBS0092	FSBS0092S02	FSBS0092S02	5/17/2007	Soil	Primary Sample	Primary Result	1613B	2,3,4,7,8-Pentachlorodibenzofuran	0.168	ng/kg	Yes	U	3.18	0.168	186348	No	GEL	186348	266801.233	1783424.07	Yes	
FSBS0092	FSBS0092S02	FSBS0092S02	5/17/2007	Soil	Primary Sample	Primary Result	1613B	2,3,7,8-TCDD	0.36	ng/kg	Yes	U	0.635	0.36	186348	No	GEL	186348	266801.233	1783424.07	Yes	
FSBS0092	FSBS0092S02	FSBS0092S02	5/17/2007	Soil	Primary Sample	Primary Result	1613B	2,3,7,8-Tetrachlorodibenzofuran	0.314	ng/kg	Yes	U	0.635	0.314	186348	No	GEL	186348	266801.233	1783424.07	Yes	
FSBS0092	FSBS0092S02	FSBS0092S02	5/17/2007	Soil	Primary Sample	Primary Result	1613B	Heptachlorodibenzofurans	1.04	ng/kg	Yes	J	3.18	0.347	186348	No	GEL	186348	266801.233	1783424.07	No	Congeners or Isomers of this compound were used
FSBS0092	FSBS0092S02	FSBS0092S02	5/17/2007	Soil	Primary Sample	Primary Result	1613B	Heptachlorodibenzo-p-dioxins	2.51	ng/kg	Yes	J	3.18	0.468	186348	No	GEL	186348	266801.233	1783424.07	No	Congeners or Isomers of this compound were used
FSBS0092	FSBS0092S02	FSBS0092S02	5/17/2007	Soil	Primary Sample	Primary Result	1613B	Hexachlorodibenzofurans	0.233	ng/kg	Yes	U	3.18	0.233	186348	No	GEL	186348	266801.233	1783424.07	No	Congeners or Isomers of this compound were used
FSBS0092	FSBS0092S02	FSBS0092S02	5/17/2007	Soil	Primary Sample	Primary Result	1613B	Hexachlorodibenzo-p-dioxins	0.319	ng/kg	Yes	U	3.18	0.319	186348	No	GEL	186348	266801.233	1783424.07	No	Congeners or Isomers of this compound were used
FSBS0092	FSBS0092S02	FSBS0092S02	5/17/2007	Soil	Primary Sample	Primary Result	1613B	Octachlorodibenzofuran	6.35	ng/kg	Yes	UJ	6.35	6.35	186348	No	GEL	186348	266801.233	1783424.07	Yes	
FSBS0092	FSBS0092S02	FSBS0092S02	5/17/2007	Soil	Primary Sample	Primary Result	1613B	Octachlorodibenzo-p-dioxin	12.1	ng/kg	Yes	U	6.35	1.04	186348	No	GEL	186348	266801.233	1783424.07	Yes	
FSBS0092	FSBS0092S02	FSBS0092S02	5/17/2007	Soil	Primary Sample	Primary Result	1613B	Pentachlorodibenzofurans	0.162	ng/kg	Yes	U	3.18	0.162	186348	No	GEL	186348	266801.233	1783424.07	No	Congeners or Isomers of this compound were used
FSBS0092	FSBS0092S02	FSBS0092S02	5/17/2007	Soil	Primary Sample	Primary Result	1613B	Pentachlorodibenzo-p-dioxins	0.201	ng/kg	Yes	U	3.18	0.201	186348	No	GEL	186348	266801.233	1783424.07	No	Congeners or Isomers of this compound were used
FSBS0092	FSBS0092S02	FSBS0092S02	5/17/2007	Soil	Primary Sample	Calculated Result	1613B	TCDD TEQ (ND=0) 2005 WHO	0.02248	ng/kg					186348	No	GEL		266801.233	1783424.07	No	Congeners or Isomers of this compound were used
FSBS0092	FSBS0092S02	FSBS0092S02	5/17/2007	Soil	Primary Sample	Primary Result	1613B	Tetrachlorodibenzofurans	0.314	ng/kg	Yes	U	0.635	0.314	186348	No	GEL	186348	266801.233	1783424.07	No	Congeners or Isomers of this compound were used
FSBS0092	FSBS0092S02	FSBS0092S02	5/17/2007	Soil	Primary Sample	Primary Result	1613B	Tetrachlorodibenzo-p-dioxins	0.36	ng/kg	Yes	U	0.635	0.36	186348	No	GEL	186348	266801.233	1783424.07	No	Congeners or Isomers of this compound were used
FSBS0092	FSBS0092S02	FSBS0092S02	5/17/2007	Soil	Primary Sample	Primary Result	300	Fluoride	2.02	mg/kg	Yes	J	1.06	0.318	186348	No	GEL	186348	266801.233	1783424.07	Yes	
FSBS0092	FSBS0092S02	FSBS0092S02	5/17/2007	Soil	Primary Sample	Primary Result	6020	Zirconium	2.3	mg/kg	Yes	J	0.427	0.107	186348	No	GEL	186348	266801.233	1783424.07	Yes	
FSBS0092	FSBS0092S02	FSBS0092S02	5/17/2007	Soil	Primary Sample	Primary Result	7471A	Mercury	0.017	mg/kg	Yes	U	0.0104	0.00261	186348	No	GEL	186348	266801.233	1783424.07	Yes	
FSBS0092	FSBS0092S02	FSBS0092S02	5/17/2007	Soil	Primary Sample	Primary Result	8015B	m-Terphenyl	0.178	mg/kg	Yes	U	0.178	0.178	186348	No	GEL	186348	266801.233	1783424.07	Yes	
FSBS0092	FSBS0092S02	FSBS0092S02	5/17/2007	Soil	Primary Sample	Primary Result	8015B	o-Terphenyl	0.178	mg/kg	Yes	U	0.178	0.178	186348	No	GEL	186348	266801.233	1783424.07	Yes	
FSBS0092	FSBS0092S02	FSBS0092S02	5/17/2007	Soil	Primary Sample	Primary Result	8015B	p-Terphenyl	0.178	mg/kg	Yes	U	0.178	0.178	186348	No	GEL	186348	266801.233	1783424.07	Yes	
FSBS0092	FSBS0092S02	FSBS0092S02	5/17/2007	Soil	Primary Sample	Primary Result	8082	Aroclor 1016	3.57	µg/kg	Yes	U	3.57	1.19	186348	No	GEL	186348	266801.233	1783424.07	Yes	
FSBS0092	FSBS0092S02	FSBS0092S02	5/17/2007	Soil	Primary Sample	Primary Result	8082	Aroclor 1221	3.57	µg/kg	Yes	U	3.57	1.19	186348	No	GEL	186348	266801.233	1783424.07	Yes	
FSBS0092	FSBS0092S02	FSBS0092S02	5/17/2007	Soil	Primary Sample	Primary Result	8082	Aroclor 1232	3.57	µg/kg	Yes	U	3.57	1.19	186348	No	GEL	186348	266801.233	1783424.07	Yes	
FSBS0092	FSBS0092S02	FSBS0092S02	5/17/2007	Soil	Primary Sample	Primary Result	8082	Aroclor 1242	3.57	µg/kg	Yes	U	3.57	1.19	186348	No	GEL	186348	266801.233	1783424.07	Yes	
FSBS0092	FSBS0092S02	FSBS0092S02	5/17/2007	Soil	Primary Sample	Primary Result	8082	Aroclor 1248	3.57	µg/kg	Yes	U	3.57	1.19	186348	No	GEL	186348	266801.233	1783424.07	Yes	
FSBS0092	FSBS0092S02	FSBS0092S02	5/17/2007	Soil	Primary Sample	Primary Result	8082	Aroclor 1254	3.4	µg/kg	Yes	J	3.57	1.19	186348	No	GEL	186348	266801.233	1783424.07	Yes	
FSBS0092	FSBS0092S02	FSBS0092S02	5/17/2007	Soil	Primary Sample	Primary Result	8082	Aroclor 1260	1.7	µg/kg	Yes	J	3.57	1.19	186348	No	GEL	186348	266801.233	1783424.07	Yes	
FSBS0093	FSBS0093S01	FSBS0093S01	5/17/2007	Soil	Primary Sample	Primary Result	1613B	1,2,3,4,6,7,8-Heptachlorodibenzofuran	0.735	ng/kg	Yes	J	2.85	0.271	186348	No	GEL	186348	266748.855	1783526.72	Yes	
FSBS0093	FSBS0093S01	FSBS0093S01	5/17/2007	Soil	Primary Sample	Primary Result	1613B	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	1.63	ng/kg	Yes	J	2.85	0.474	186348	No	GEL	186348	266748.855	1783526.72	Yes	
FSBS0093	FSBS0093S01	FSBS0093S01	5/17/2007	Soil	Primary Sample	Primary Result	1613B	1,2,3,4,7,8,9-Heptachlorodibenzofuran	0.423	ng/kg	Yes	U	2.85	0.423	186348	No	GEL	186348	266748.855	1783526.72	Yes	
FSBS0093	FSBS0093S01	FSBS0093S01	5/17/2007	Soil	Primary Sample	Primary Result	1613B	1,2,3,4,7,8-Hexachlorodibenzofuran	0.191	ng/kg	Yes	U	2.85	0.191	186348	No	GEL	186348	266748.855	1783526.72	Yes	
FSBS0093	FSBS0093S01	FSBS0093S01	5/17/2007	Soil	Primary Sample	Primary Result	1613B	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	0.287	ng/kg	Yes	U	2.85	0.287	186348	No	GEL	186348	266748.855	1783526.72	Yes	
FSBS0093	FSBS0093S01	FSBS0093S01	5/17/2007	Soil	Primary Sample	Primary Result	1613B	1,2,3,6,7,8-Hexachlorodibenzofuran	0.181	ng/kg	Yes	U	2.85	0.181	186348	No	GEL	186348	266748.855	1783526.72	Yes	
FSBS0093	FSBS0093S01	FSBS0093S01	5/17/2007	Soil	Primary Sample	Primary Result	1613B	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	0.282	ng/kg	Yes	U	2.85	0.282	186348	No	GEL	186348	266748.855	1783526.72	Yes	
FSBS0093	FSBS0093S01	FSBS0093S01	5/17/2007	Soil	Primary Sample	Primary Result	1613B	1,2,3,7,8,9-Hexachlorodibenzofuran	0.268	ng/kg	Yes	U	2.85	0.268	186348	No	GEL	186348	266748.855	1783526.72	Yes	
FSBS0093	FSBS0093S01	FSBS0093S01	5/17/2007	Soil	Primary Sample	Primary Result	1613B	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	0.282	ng/kg	Yes	U	2.85	0.282	186348	No	GEL	186348	266748.855	1783526.72	Yes	
FSBS0093	FSBS0093S01	FSBS0093S01	5/17/2007	Soil	Primary Sample	Primary Result	1613B	1,2,3,7,8-Pentachlorodibenzofuran	0.13	ng/kg	Yes	U	2.85	0.13	186348	No	GEL	186348	266748.855	1783526.72	Yes	
FSBS0093	FSBS0093S01	FSBS0093S01	5/17/2007	Soil	Primary Sample	Primary Result	1613B	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	0.216	ng/kg	Yes	U	2.85	0.216	186348	No	GEL	186348	266748.855	1783526.72	Yes	
FSBS0093	FSBS0093S01	FSBS0093S01	5/17/2007	Soil	Primary Sample	Primary Result	1613B	2,3,4,6,7,8-Hexachlorodibenzofuran	0.197	ng/kg	Yes	U	2.85	0.197	186348	No	GEL	186348	266748.855	1783526.72	Yes	
FSBS0093	FSBS0093S01	FSBS0093S01	5/17/2007	Soil	Primary Sample	Primary Result	1613B	2,3,4,7,8-Pentachlorodibenzofuran	0.133	ng/kg	Yes	U	2.85	0.133	186348	No	GEL	186348	266748.855	1783526.72	Yes	
FSBS0093	FSBS0093S01	FSBS0093S01	5/17/2007	Soil	Primary Sample	Primary Result	1613B	2,3,7,8-TCDD	0.265	ng/kg	Yes	U	0.571	0.265	186348	No	GEL	186348	266748.855	1783526.72	Yes	
FSBS0093	FSBS0093S01	FSBS0093S01	5/17/2007	Soil	Primary Sample	Primary Result	1613B	2,3,7,8-Tetrachlorodibenzofuran	0.258	ng/kg	Yes	U	0.571	0.258	186348	No	GEL	186348	266748.855	1783526.72	Yes	
FSBS0093	FSBS0093S01	FSBS0093S01	5/17/2007	Soil	Primary Sample	Primary Result	1613B	Heptachlorodibenzofurans	1.19	ng/kg	Yes	J	2.85	0.337	186348	No	GEL	186348	266748.855	1783526.72	No	Congeners or Isomers of this compound were used
FSBS0093	FSBS0093S01	FSBS0093S01	5/17/2007	Soil	Primary Sample	Primary Result	1613B	Heptachlorodibenzo-p-dioxins	5.83	ng/kg	Yes	J	2.85	0.474	186348	No	GEL	186348	266748.855	1783526.72	No	Congeners or Isomers of this compound were used
FSBS0093	FSBS0093S01	FSBS0093S01	5/17/2007	Soil	Primary Sample	Primary Result	1613B	Hexachlorodibenzofurans	0.848	ng/kg	Yes	J	2.85	0.206	186348	No	GEL	186348	266748.855	1783526.72	No	Congeners or Isomers of this compound were used
FSBS0093	FSBS0093S01	FSBS0093S01	5/17/2007	Soil	Primary Sample	Primary Result	1613B	Hexachlorodibenzo-p-dioxins	0.915	ng/kg	Yes	J	2.85	0.284	186348	No	GEL	186348	266748.855	1783526.72	No	Congeners or Isomers of this compound were used
FSBS0093	FSBS0093S01	FSBS0093S01	5/17/2007	Soil	Primary Sample	Primary Result	1613B	Octachlorodibenzofuran	5.71	ng/kg	Yes	UJ	5.71	5.71	186348	No	GEL	186348	266748.855	1783526.72	Yes	
FSBS0093	FSBS0093S01	FSBS0093S01	5/17/2007	Soil	Primary Sample	Primary Result	1613B	Octachlorodibenzo-p-dioxin	23.3	ng/kg	Yes	U	5.71	0.729	186348	No	GEL	186348	266748.855	1783526.72	Yes	
FSBS0093	FSBS0093S01	FSBS0093S01	5/17/2007	Soil	Primary Sample	Primary Result	1613B	Pentachlorodibenzofurans	1.55	ng/kg	Yes	J	2.85	0.131	186							

**Group 8 RFI Report  
Attachment D-3  
FSDF RFI Site Data Table**

Object Name	Sample Name	Sample Identification	Collection Date	Matrix	Sample Type	Result Type	Analytical Method	Analyte	Concentration	Units	Validated	Project Qualifier	PQL	MDL	Sample Delivery Group	Excavated	Analytical Laboratory	Validation Report Number	Northings	Eastings	Included in Risk Assessment	Rationale for Risk Exclusion
FSBS0093	FSBS0093S01	FSBS0093S01	5/17/2007	Soil	Primary Sample	Primary Result	8082	Aroclor 1248	3.44	µg/kg	Yes	U	3.44	1.14	186348	No	GEL	186348	266748.855	1783526.72	Yes	
FSBS0093	FSBS0093S01	FSBS0093S01	5/17/2007	Soil	Primary Sample	Primary Result	8082	Aroclor 1254	3.44	µg/kg	Yes	U	3.44	1.14	186348	No	GEL	186348	266748.855	1783526.72	Yes	
FSBS0093	FSBS0093S01	FSBS0093S01	5/17/2007	Soil	Primary Sample	Primary Result	8082	Aroclor 1260	3.44	µg/kg	Yes	U	3.44	1.14	186348	No	GEL	186348	266748.855	1783526.72	Yes	
FSBS0093	FSBS0093S01SP	FSBS0093S01SP	5/17/2007	Soil	Split Sample	Primary Result	1613B	1,2,3,4,6,7,8-Heptachlorodibenzofuran	5	ng/kg	Yes	UJ	5	5	D7E180378	No	STL-Den	D7E180378	266748.855	1783526.72	No	Duplicate or Split Data
FSBS0093	FSBS0093S01SP	FSBS0093S01SP	5/17/2007	Soil	Split Sample	Primary Result	1613B	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	1.9	ng/kg	Yes	J	5	0.3	D7E180378	No	STL-Den	D7E180378	266748.855	1783526.72	No	Duplicate or Split Data
FSBS0093	FSBS0093S01SP	FSBS0093S01SP	5/17/2007	Soil	Split Sample	Primary Result	1613B	1,2,3,4,7,8-Heptachlorodibenzofuran	0.25	ng/kg	Yes	U	5	0.25	D7E180378	No	STL-Den	D7E180378	266748.855	1783526.72	No	Duplicate or Split Data
FSBS0093	FSBS0093S01SP	FSBS0093S01SP	5/17/2007	Soil	Split Sample	Primary Result	1613B	1,2,3,4,7,8-Hexachlorodibenzofuran	0.11	ng/kg	Yes	U	5	0.11	D7E180378	No	STL-Den	D7E180378	266748.855	1783526.72	No	Duplicate or Split Data
FSBS0093	FSBS0093S01SP	FSBS0093S01SP	5/17/2007	Soil	Split Sample	Primary Result	1613B	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	0.19	ng/kg	Yes	U	5	0.19	D7E180378	No	STL-Den	D7E180378	266748.855	1783526.72	No	Duplicate or Split Data
FSBS0093	FSBS0093S01SP	FSBS0093S01SP	5/17/2007	Soil	Split Sample	Primary Result	1613B	1,2,3,6,7,8-Hexachlorodibenzofuran	0.11	ng/kg	Yes	U	5	0.11	D7E180378	No	STL-Den	D7E180378	266748.855	1783526.72	No	Duplicate or Split Data
FSBS0093	FSBS0093S01SP	FSBS0093S01SP	5/17/2007	Soil	Split Sample	Primary Result	1613B	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	0.24	ng/kg	Yes	U	5	0.24	D7E180378	No	STL-Den	D7E180378	266748.855	1783526.72	No	Duplicate or Split Data
FSBS0093	FSBS0093S01SP	FSBS0093S01SP	5/17/2007	Soil	Split Sample	Primary Result	1613B	1,2,3,7,8,9-Hexachlorodibenzofuran	0.18	ng/kg	Yes	U	5	0.18	D7E180378	No	STL-Den	D7E180378	266748.855	1783526.72	No	Duplicate or Split Data
FSBS0093	FSBS0093S01SP	FSBS0093S01SP	5/17/2007	Soil	Split Sample	Primary Result	1613B	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	0.2	ng/kg	Yes	U	5	0.2	D7E180378	No	STL-Den	D7E180378	266748.855	1783526.72	No	Duplicate or Split Data
FSBS0093	FSBS0093S01SP	FSBS0093S01SP	5/17/2007	Soil	Split Sample	Primary Result	1613B	1,2,3,7,8-Pentachlorodibenzofuran	0.26	ng/kg	Yes	U	5	0.26	D7E180378	No	STL-Den	D7E180378	266748.855	1783526.72	No	Duplicate or Split Data
FSBS0093	FSBS0093S01SP	FSBS0093S01SP	5/17/2007	Soil	Split Sample	Primary Result	1613B	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	0.24	ng/kg	Yes	U	5	0.24	D7E180378	No	STL-Den	D7E180378	266748.855	1783526.72	No	Duplicate or Split Data
FSBS0093	FSBS0093S01SP	FSBS0093S01SP	5/17/2007	Soil	Split Sample	Primary Result	1613B	2,3,4,6,7,8-Hexachlorodibenzofuran	0.12	ng/kg	Yes	U	5	0.12	D7E180378	No	STL-Den	D7E180378	266748.855	1783526.72	No	Duplicate or Split Data
FSBS0093	FSBS0093S01SP	FSBS0093S01SP	5/17/2007	Soil	Split Sample	Primary Result	1613B	2,3,4,7,8-Pentachlorodibenzofuran	0.18	ng/kg	Yes	U	5	0.18	D7E180378	No	STL-Den	D7E180378	266748.855	1783526.72	No	Duplicate or Split Data
FSBS0093	FSBS0093S01SP	FSBS0093S01SP	5/17/2007	Soil	Split Sample	Primary Result	1613B	2,3,7,8-TCDD	0.64	ng/kg	Yes	U	1	0.64	D7E180378	No	STL-Den	D7E180378	266748.855	1783526.72	No	Duplicate or Split Data
FSBS0093	FSBS0093S01SP	FSBS0093S01SP	5/17/2007	Soil	Split Sample	Primary Result	1613B	2,3,7,8-Tetrachlorodibenzofuran	0.47	ng/kg	Yes	U	1	0.47	D7E180378	No	STL-Den	D7E180378	266748.855	1783526.72	No	Duplicate or Split Data
FSBS0093	FSBS0093S01SP	FSBS0093S01SP	5/17/2007	Soil	Split Sample	Primary Result	1613B	Heptachlorodibenzofurans	5	ng/kg	Yes	UJ	5	5	D7E180378	No	STL-Den	D7E180378	266748.855	1783526.72	No	Duplicate or Split Data; Congeners or Isomers of this compound were used
FSBS0093	FSBS0093S01SP	FSBS0093S01SP	5/17/2007	Soil	Split Sample	Primary Result	1613B	Heptachlorodibenzo-p-dioxins	4.7	ng/kg	Yes	J	5	0.3	D7E180378	No	STL-Den	D7E180378	266748.855	1783526.72	No	Duplicate or Split Data; Congeners or Isomers of this compound were used
FSBS0093	FSBS0093S01SP	FSBS0093S01SP	5/17/2007	Soil	Split Sample	Primary Result	1613B	Hexachlorodibenzofurans	5	ng/kg	Yes	UJ	5	5	D7E180378	No	STL-Den	D7E180378	266748.855	1783526.72	No	Duplicate or Split Data; Congeners or Isomers of this compound were used
FSBS0093	FSBS0093S01SP	FSBS0093S01SP	5/17/2007	Soil	Split Sample	Primary Result	1613B	Hexachlorodibenzo-p-dioxins	0.21	ng/kg	Yes	U	5	0.21	D7E180378	No	STL-Den	D7E180378	266748.855	1783526.72	No	Duplicate or Split Data; Congeners or Isomers of this compound were used
FSBS0093	FSBS0093S01SP	FSBS0093S01SP	5/17/2007	Soil	Split Sample	Primary Result	1613B	Octachlorodibenzofuran	10	ng/kg	Yes	UJ	10	10	D7E180378	No	STL-Den	D7E180378	266748.855	1783526.72	No	Duplicate or Split Data
FSBS0093	FSBS0093S01SP	FSBS0093S01SP	5/17/2007	Soil	Split Sample	Primary Result	1613B	Octachlorodibenzo-p-dioxin	16	ng/kg	Yes	UJ	10	0.34	D7E180378	No	STL-Den	D7E180378	266748.855	1783526.72	No	Duplicate or Split Data
FSBS0093	FSBS0093S01SP	FSBS0093S01SP	5/17/2007	Soil	Split Sample	Primary Result	1613B	Pentachlorodibenzofurans	5	ng/kg	Yes	UJ	5	5	D7E180378	No	STL-Den	D7E180378	266748.855	1783526.72	No	Duplicate or Split Data; Congeners or Isomers of this compound were used
FSBS0093	FSBS0093S01SP	FSBS0093S01SP	5/17/2007	Soil	Split Sample	Primary Result	1613B	Pentachlorodibenzo-p-dioxins	0.24	ng/kg	Yes	U	5	0.24	D7E180378	No	STL-Den	D7E180378	266748.855	1783526.72	No	Duplicate or Split Data; Congeners or Isomers of this compound were used
FSBS0093	FSBS0093S01SP	FSBS0093S01SP	5/17/2007	Soil	Split Sample	Calculated Result	1613B	TCDD TEQ (ND=0) 2005 WHO	0.0238	ng/kg					D7E180378	No	STL-Den		266748.855	1783526.72	No	Duplicate or Split Data; Congeners or Isomers of this compound were used
FSBS0093	FSBS0093S01SP	FSBS0093S01SP	5/17/2007	Soil	Split Sample	Primary Result	1613B	Tetrachlorodibenzofurans	2.6	ng/kg	Yes	UJ	2.6	2.6	D7E180378	No	STL-Den	D7E180378	266748.855	1783526.72	No	Duplicate or Split Data; Congeners or Isomers of this compound were used
FSBS0093	FSBS0093S01SP	FSBS0093S01SP	5/17/2007	Soil	Split Sample	Primary Result	1613B	Tetrachlorodibenzo-p-dioxins	0.64	ng/kg	Yes	U	1	0.64	D7E180378	No	STL-Den	D7E180378	266748.855	1783526.72	No	Duplicate or Split Data; Congeners or Isomers of this compound were used
FSBS0093	FSBS0093S01SP	FSBS0093S01SP	5/17/2007	Soil	Split Sample	Primary Result	6010B	Zirconium	2.8	mg/kg	Yes		3.1	0.69	D7E180378	No	STL-Den	D7E180378	266748.855	1783526.72	No	Duplicate or Split Data
FSBS0093	FSBS0093S01SP	FSBS0093S01SP	5/17/2007	Soil	Split Sample	Primary Result	7471A	Mercury	0.0039	mg/kg	Yes		0.034	0.0029	D7E180378	No	STL-Den	D7E180378	266748.855	1783526.72	No	Duplicate or Split Data
FSBS0093	FSBS0093S01SP	FSBS0093S01SP	5/17/2007	Soil	Split Sample	Primary Result	8082	Aroclor 1016	34	µg/kg	Yes	U	34	5.2	D7E180378	No	STL-Den	D7E180378	266748.855	1783526.72	No	Duplicate or Split Data
FSBS0093	FSBS0093S01SP	FSBS0093S01SP	5/17/2007	Soil	Split Sample	Primary Result	8082	Aroclor 1221	48	µg/kg	Yes	U	48	16	D7E180378	No	STL-Den	D7E180378	266748.855	1783526.72	No	Duplicate or Split Data
FSBS0093	FSBS0093S01SP	FSBS0093S01SP	5/17/2007	Soil	Split Sample	Primary Result	8082	Aroclor 1232	34	µg/kg	Yes	U	34	5.2	D7E180378	No	STL-Den	D7E180378	266748.855	1783526.72	No	Duplicate or Split Data
FSBS0093	FSBS0093S01SP	FSBS0093S01SP	5/17/2007	Soil	Split Sample	Primary Result	8082	Aroclor 1242	34	µg/kg	Yes	U	34	9.3	D7E180378	No	STL-Den	D7E180378	266748.855	1783526.72	No	Duplicate or Split Data
FSBS0093	FSBS0093S01SP	FSBS0093S01SP	5/17/2007	Soil	Split Sample	Primary Result	8082	Aroclor 1248	34	µg/kg	Yes	U	34	5.7	D7E180378	No	STL-Den	D7E180378	266748.855	1783526.72	No	Duplicate or Split Data
FSBS0093	FSBS0093S01SP	FSBS0093S01SP	5/17/2007	Soil	Split Sample	Primary Result	8082	Aroclor 1254	34	µg/kg	Yes	U	34	5.6	D7E180378	No	STL-Den	D7E180378	266748.855	1783526.72	No	Duplicate or Split Data
FSBS0093	FSBS0093S01SP	FSBS0093S01SP	5/17/2007	Soil	Split Sample	Primary Result	8082	Aroclor 1260	34	µg/kg	Yes	U	34	2.7	D7E180378	No	STL-Den	D7E180378	266748.855	1783526.72	No	Duplicate or Split Data
FSBS0093	FSBS0093S01SP	FSBS0093S01SP	5/17/2007	Soil	Split Sample	Primary Result	9056	Fluoride	1.2	mg/kg	Yes		10	0.84	D7E180378	No	STL-Den	D7E180378	266748.855	1783526.72	No	Duplicate or Split Data
FSBS0088	FSBS0088S01	FSBS0088S01	5/30/2007	Soil	Primary Sample	Primary Result	6010B	Sodium	82.8	mg/kg	Yes		15.5	4.66	187884H	No	GEL	187844H	266287.583	1783380.78	Yes	
FSBS0089	FSBS0089S01	FSBS0089S01	5/30/2007	Soil	Primary Sample	Primary Result	6010B	Sodium	111	mg/kg	Yes		15.6	4.69	187884H	No	GEL	187844H	266158.811	1783298.26	Yes	
FSBS0089	FSBS0089S02	FSBS0089S02	5/30/2007	Soil	Primary Sample	Primary Result	6010B	Sodium	301	mg/kg	Yes		16.3	4.89	187884H	No	GEL	187844H	266158.811	1783298.26	Yes	
FSBS0090	FSBS0090S01	FSBS0090S01	6/5/2007	Soil	Primary Sample	Primary Result	314.0-DI WE1	Perchlorate	6.04	µg/L	Yes	J	4	1.14	187202	No	GEL	187202	266115.131	1783108.58	Yes	
FSBS0091	FSBS0091S01	FSBS0091S01	6/5/2007	Soil	Primary Sample	Primary Result	314.0-DI WE1	Perchlorate	4	µg/L	Yes	U	4	1.14	187202	No	GEL	187202	266096.028	1783199.45	Yes	
FSBS0091	FSBS0091S02	FSBS0091S02	6/5/2007	Soil	Primary Sample	Primary Result	314.0-DI WE1	Perchlorate	4	µg/L	Yes	U	4	1.14	187202	No	GEL	187202	266096.028	1783199.45	Yes	
FSBS0036	FSBS0036AS01	FSBS0036AS01	6/7/2007	Soil	Primary Sample	Primary Result	6020	Arsenic	6.1	mg/kg	Yes		1.01	0.304	187451	No	GEL	187451	267673.243	1783854.67	Yes	
FSBS0095	FSBS0095S01	FSBS0095S01	6/7/2007	Soil	Primary Sample	Primary Result	6020	Arsenic	17	mg/kg	Yes		0.972	0.292	187451	No	GEL	187451	267809.95	1783801.88	Yes	
FSBS0096	FSBS0096S01	FSBS0096S01	6/7/2007	Soil	Primary Sample	Primary Result	6020	Arsenic	30.7	mg/kg	Yes		5.08	1.53	187451	No	GEL	187451	267864.999	1783779	Yes	
FSSV01	RW351	FSSV01S01	4/23/2005	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,1,2-Tetrachloroethane	1	µg/L	Yes	U	1	1	M4-251	No	Centrum	T300VO79	266023	1783200	No	Sample Collected >10'
FSSV01	RW351	FSSV01S01	4/23/2005	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,1-Trichloroethane	1	µg/L	Yes	U	1	1	M4-251	No	Centrum	T300VO79	266023	1783200	No	Sample Collected >10'
FSSV01	RW351	FSSV01S01	4/23/2005	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	1	µg/L	Yes	UJ	1	1	M4-251	No	Centrum	T300VO79	266023	1783200	No	Sample Collected >10'
FSSV01	RW351	FSSV01S01	4/23/2005	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	5	µg/L	Yes	U	5	5	M4-251	No	Centrum	T300VO79	266023	1783200	No	Sample Collected >10'
FSSV01	RW351	FSSV01S01	4/23/2005	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2-Trichloroethane	1	µ												

**Group 8 RFI Report  
Attachment D-3  
FSDF RFI Site Data Table**

Object Name	Sample Name	Sample Identification	Collection Date	Matrix	Sample Type	Result Type	Analytical Method	Analyte	Concentration	Units	Validated	Project Qualifier	PQL	MDL	Sample Delivery Group	Excavated	Analytical Laboratory	Validation Report Number	Northings	Eastings	Included in Risk Assessment	Rationale for Risk Exclusion
FSSV01	RW351	FSSV01S01	4/23/2005	Soil Vapor	Primary Sample	Primary Result	8260B	cis-1,2-Dichloroethene	1	µg/L	Yes	U	1	1	M4-251	No	Centrum	T300VO79	266023	1783200	No	Sample Collected >10'
FSSV01	RW351	FSSV01S01	4/23/2005	Soil Vapor	Primary Sample	Primary Result	8260B	Dichlorodifluoromethane	1	µg/L	Yes	U	1	1	M4-251	No	Centrum	T300VO79	266023	1783200	No	Sample Collected >10'
FSSV01	RW351	FSSV01S01	4/23/2005	Soil Vapor	Primary Sample	Primary Result	8260B	Ethylbenzene	1	µg/L	Yes	U	1	1	M4-251	No	Centrum	T300VO79	266023	1783200	No	Sample Collected >10'
FSSV01	RW351	FSSV01S01	4/23/2005	Soil Vapor	Primary Sample	Primary Result	8260B	Methylene chloride	20	µg/L	Yes	U	20	20	M4-251	No	Centrum	T300VO79	266023	1783200	No	Sample Collected >10'
FSSV01	RW351	FSSV01S01	4/23/2005	Soil Vapor	Primary Sample	Primary Result	8260B	m-Xylene & p-Xylene	2	µg/L	Yes	U	2	2	M4-251	No	Centrum	T300VO79	266023	1783200	No	Sample Collected >10'
FSSV01	RW351	FSSV01S01	4/23/2005	Soil Vapor	Primary Sample	Primary Result	8260B	o-Xylene	1	µg/L	Yes	U	1	1	M4-251	No	Centrum	T300VO79	266023	1783200	No	Sample Collected >10'
FSSV01	RW351	FSSV01S01	4/23/2005	Soil Vapor	Primary Sample	Primary Result	8260B	Tetrachloroethene	3.4	µg/L	Yes	U	1	1	M4-251	No	Centrum	T300VO79	266023	1783200	No	Sample Collected >10'
FSSV01	RW351	FSSV01S01	4/23/2005	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	1	µg/L	Yes	U	1	1	M4-251	No	Centrum	T300VO79	266023	1783200	No	Sample Collected >10'
FSSV01	RW351	FSSV01S01	4/23/2005	Soil Vapor	Primary Sample	Primary Result	8260B	trans-1,2-Dichloroethene	1	µg/L	Yes	U	1	1	M4-251	No	Centrum	T300VO79	266023	1783200	No	Sample Collected >10'
FSSV01	RW351	FSSV01S01	4/23/2005	Soil Vapor	Primary Sample	Primary Result	8260B	Trichloroethene	1	µg/L	Yes	U	1	1	M4-251	No	Centrum	T300VO79	266023	1783200	No	Sample Collected >10'
FSSV01	RW351	FSSV01S01	4/23/2005	Soil Vapor	Primary Sample	Primary Result	8260B	Trichlorofluoromethane	1	µg/L	Yes	U	1	1	M4-251	No	Centrum	T300VO79	266023	1783200	No	Sample Collected >10'
FSSV01	RW351	FSSV01S01	4/23/2005	Soil Vapor	Primary Sample	Primary Result	8260B	Vinyl chloride	1	µg/L	Yes	U	1	1	M4-251	No	Centrum	T300VO79	266023	1783200	No	Sample Collected >10'
FSSV02	RW352	FSSV02S01	4/23/2005	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,1,2-Tetrachloroethane	1	µg/L	Yes	U	1	1	M4-251	No	Centrum	T300VO79	266035	1783170	Yes	
FSSV02	RW352	FSSV02S01	4/23/2005	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,1-Trichloroethane	1	µg/L	Yes	U	1	1	M4-251	No	Centrum	T300VO79	266035	1783170	Yes	
FSSV02	RW352	FSSV02S01	4/23/2005	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	1	µg/L	Yes	UJ	1	1	M4-251	No	Centrum	T300VO79	266035	1783170	Yes	
FSSV02	RW352	FSSV02S01	4/23/2005	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2-Trichloroethane	5	µg/L	Yes	U	5	5	M4-251	No	Centrum	T300VO79	266035	1783170	Yes	
FSSV02	RW352	FSSV02S01	4/23/2005	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2-Trichloroethane	1	µg/L	Yes	U	1	1	M4-251	No	Centrum	T300VO79	266035	1783170	Yes	
FSSV02	RW352	FSSV02S01	4/23/2005	Soil Vapor	Primary Sample	Primary Result	8260B	1,1-Dichloroethane	1	µg/L	Yes	U	1	1	M4-251	No	Centrum	T300VO79	266035	1783170	Yes	
FSSV02	RW352	FSSV02S01	4/23/2005	Soil Vapor	Primary Sample	Primary Result	8260B	1,1-Dichloroethene	1	µg/L	Yes	U	1	1	M4-251	No	Centrum	T300VO79	266035	1783170	Yes	
FSSV02	RW352	FSSV02S01	4/23/2005	Soil Vapor	Primary Sample	Primary Result	8260B	1,2-Dichloroethane	1	µg/L	Yes	U	1	1	M4-251	No	Centrum	T300VO79	266035	1783170	Yes	
FSSV02	RW352	FSSV02S01	4/23/2005	Soil Vapor	Primary Sample	Primary Result	8260B	Benzene	1	µg/L	Yes	U	1	1	M4-251	No	Centrum	T300VO79	266035	1783170	Yes	
FSSV02	RW352	FSSV02S01	4/23/2005	Soil Vapor	Primary Sample	Primary Result	8260B	Carbon Tetrachloride	1	µg/L	Yes	U	1	1	M4-251	No	Centrum	T300VO79	266035	1783170	Yes	
FSSV02	RW352	FSSV02S01	4/23/2005	Soil Vapor	Primary Sample	Primary Result	8260B	Chloroethane	1	µg/L	Yes	U	1	1	M4-251	No	Centrum	T300VO79	266035	1783170	Yes	
FSSV02	RW352	FSSV02S01	4/23/2005	Soil Vapor	Primary Sample	Primary Result	8260B	Chloroform	1	µg/L	Yes	U	1	1	M4-251	No	Centrum	T300VO79	266035	1783170	Yes	
FSSV02	RW352	FSSV02S01	4/23/2005	Soil Vapor	Primary Sample	Primary Result	8260B	cis-1,2-Dichloroethene	1	µg/L	Yes	U	1	1	M4-251	No	Centrum	T300VO79	266035	1783170	Yes	
FSSV02	RW352	FSSV02S01	4/23/2005	Soil Vapor	Primary Sample	Primary Result	8260B	Dichlorodifluoromethane	1	µg/L	Yes	U	1	1	M4-251	No	Centrum	T300VO79	266035	1783170	Yes	
FSSV02	RW352	FSSV02S01	4/23/2005	Soil Vapor	Primary Sample	Primary Result	8260B	Ethylbenzene	1	µg/L	Yes	U	1	1	M4-251	No	Centrum	T300VO79	266035	1783170	Yes	
FSSV02	RW352	FSSV02S01	4/23/2005	Soil Vapor	Primary Sample	Primary Result	8260B	Methylene chloride	20	µg/L	Yes	U	20	20	M4-251	No	Centrum	T300VO79	266035	1783170	Yes	
FSSV02	RW352	FSSV02S01	4/23/2005	Soil Vapor	Primary Sample	Primary Result	8260B	m-Xylene & p-Xylene	2	µg/L	Yes	U	2	2	M4-251	No	Centrum	T300VO79	266035	1783170	Yes	
FSSV02	RW352	FSSV02S01	4/23/2005	Soil Vapor	Primary Sample	Primary Result	8260B	o-Xylene	1	µg/L	Yes	U	1	1	M4-251	No	Centrum	T300VO79	266035	1783170	Yes	
FSSV02	RW352	FSSV02S01	4/23/2005	Soil Vapor	Primary Sample	Primary Result	8260B	Tetrachloroethene	1.8	µg/L	Yes	U	1	1	M4-251	No	Centrum	T300VO79	266035	1783170	Yes	
FSSV02	RW352	FSSV02S01	4/23/2005	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	1	µg/L	Yes	U	1	1	M4-251	No	Centrum	T300VO79	266035	1783170	Yes	
FSSV02	RW352	FSSV02S01	4/23/2005	Soil Vapor	Primary Sample	Primary Result	8260B	trans-1,2-Dichloroethene	1	µg/L	Yes	U	1	1	M4-251	No	Centrum	T300VO79	266035	1783170	Yes	
FSSV02	RW352	FSSV02S01	4/23/2005	Soil Vapor	Primary Sample	Primary Result	8260B	Trichloroethene	1	µg/L	Yes	U	1	1	M4-251	No	Centrum	T300VO79	266035	1783170	Yes	
FSSV02	RW352	FSSV02S01	4/23/2005	Soil Vapor	Primary Sample	Primary Result	8260B	Trichlorofluoromethane	1	µg/L	Yes	U	1	1	M4-251	No	Centrum	T300VO79	266035	1783170	Yes	
FSSV02	RW352	FSSV02S01	4/23/2005	Soil Vapor	Primary Sample	Primary Result	8260B	Vinyl chloride	1	µg/L	Yes	U	1	1	M4-251	No	Centrum	T300VO79	266035	1783170	Yes	
FSVF01	MV587	FSVF01S01	7/18/2006	Soil Vapor	Primary Sample	Primary Result	TO-15 SIM	Trichloroethene	0.000632	µg/L	Yes	J	0.00016	1.3E-05	206348	No	EAS Inc	B54VO8	266323.72	1783111.01	Yes	
FSVF01	MV618	FSVF01S02	7/21/2006	Soil Vapor	Primary Sample	Primary Result	TO-15 SIM	Trichloroethene	0.000172	µg/L	Yes	U	0.00016	1.3E-05	206355	No	EAS Inc	B54VO7	266323.72	1783111.01	Yes	
FSSV03	MV643	FSSV03D01	7/27/2006	Soil Vapor	Field Duplicate	Primary Result	TO-15	Isopropanol	0.2615	µg/L	No	U	0.5173	0.2615	206373	No	EAS Inc		266321.735	1783108.45	No	Data Not Validated; Duplicate or Split Data
FSSV03	MV643	FSSV03D01	7/27/2006	Soil Vapor	Field Duplicate	Primary Result	TO-15 SIM	1,1-Dichloroethene	1.13025	µg/L	Yes	J	0.09166	0.01064	206373	No	EAS Inc	B54VO5	266321.735	1783108.45	No	Duplicate or Split Data
FSSV03	MV643	FSSV03D01	7/27/2006	Soil Vapor	Field Duplicate	Primary Result	TO-15 SIM	cis-1,2-Dichloroethene	0.77206	µg/L	Yes	J	0.09166	0.07761	206373	No	EAS Inc	B54VO5	266321.735	1783108.45	No	Duplicate or Split Data
FSSV03	MV643	FSSV03D01	7/27/2006	Soil Vapor	Field Duplicate	Primary Result	TO-15 SIM	Tetrachloroethene	0.03747	µg/L	Yes	J	0.15703	0.01267	206373	No	EAS Inc	B54VO5	266321.735	1783108.45	No	Duplicate or Split Data
FSSV03	MV643	FSSV03D01	7/27/2006	Soil Vapor	Field Duplicate	Primary Result	TO-15 SIM	trans-1,2-Dichloroethene	0.10926	µg/L	Yes	J	0.08253	0.04977	206373	No	EAS Inc	B54VO5	266321.735	1783108.45	No	Duplicate or Split Data
FSSV03	MV643	FSSV03D01	7/27/2006	Soil Vapor	Field Duplicate	Primary Result	TO-15 SIM	Trichloroethene	12.31535	µg/L	Yes	J	0.12392	0.01013	206373	No	EAS Inc	B54VO5	266321.735	1783108.45	No	Duplicate or Split Data
FSSV03	MV643	FSSV03D01	7/27/2006	Soil Vapor	Field Duplicate	Primary Result	TO-15 SIM	Vinyl chloride	0.02647	µg/L	Yes	J	0.05912	0.01115	206373	No	EAS Inc	B54VO5	266321.735	1783108.45	No	Duplicate or Split Data
FSSV03	MV641	FSSV03S01	7/27/2006	Soil Vapor	Primary Sample	Primary Result	TO-15	Isopropanol	0.4275	µg/L	No	U	0.00907	0.00458	206373	No	EAS Inc		266321.735	1783108.45	No	Data Not Validated
FSSV03	MV641	FSSV03S01	7/27/2006	Soil Vapor	Primary Sample	Primary Result	TO-15 SIM	1,1-Dichloroethene	0.00972	µg/L	Yes	J	0.01571	0.00182	206373	No	EAS Inc	B54VO5	266321.735	1783108.45	Yes	
FSSV03	MV641	FSSV03S01	7/27/2006	Soil Vapor	Primary Sample	Primary Result	TO-15 SIM	cis-1,2-Dichloroethene	0.01571	µg/L	Yes	UJ	0.01571	0.0133	206373	No	EAS Inc	B54VO5	266321.735	1783108.45	Yes	
FSSV03	MV641	FSSV03S01	7/27/2006	Soil Vapor	Primary Sample	Primary Result	TO-15 SIM	Tetrachloroethene	0.02692	µg/L	Yes	UJ	0.02692	0.00217	206373	No	EAS Inc	B54VO5	266321.735	1783108.45	Yes	
FSSV03	MV641	FSSV03S01	7/27/2006	Soil Vapor	Primary Sample	Primary Result	TO-15 SIM	trans-1,2-Dichloroethene	0.01415	µg/L	Yes	UJ	0.01415	0.00853	206373	No	EAS Inc	B54VO5	266321.735	1783108.45	Yes	
FSSV03	MV641	FSSV03S01	7/27/2006	Soil Vapor	Primary Sample	Primary Result	TO-15 SIM	Trichloroethene	0.21097	µg/L	Yes	J	0.02124	0.00174	206373	No	EAS Inc	B54VO5	266321.735	1783108.45	Yes	
FSSV03	MV641	FSSV03S01	7/27/2006	Soil Vapor	Primary Sample	Primary Result	TO-15 SIM	Vinyl chloride	0.01014	µg/L	Yes	UJ	0.01014	0.00191	206373	No	EAS Inc	B54VO5	266321.735	1783108.45	Yes	
FSSV03	MV642	FSSV03S02	7/27/2006	Soil Vapor	Primary Sample	Primary Result	TO-15	Isopropanol	0.2545	µg/L	No	U	0.5035	0.2545	206373	No	EAS Inc		266321.735	1783108.45	No	Data Not Validated
FSSV03	MV642	FSSV03S02	7/27/2006	Soil Vapor	Primary Sample	Primary Result	TO-15 SIM	1,1-Dichloroethene	1.00972	µg/L	Yes	J	0.08921	0.01035	206373	No	EAS Inc	B54VO5	266321.735	1783108.45	Yes	
FSSV03	MV642	FSSV03S02	7/27/2006	Soil Vapor	Primary Sample	Primary Result	TO-15 SIM	cis-1,2-Dichloroethene	0.68134	µg/L	Yes	J	0.08921	0.07553	206373	No	EAS Inc	B54VO5	266321.735	1783108.45	Yes	
FSSV03	MV642	FSSV03S02	7/27/2006	Soil Vapor	Primary Sample	Primary Result	TO-15 SIM	Tetrachloroethene	0.02628	µg/L	Yes	J	0.15282	0.01233	206373	No	EAS Inc	B54VO5	266321.735	1783108.45	Yes	
FSSV03	MV642	FSSV03S02	7/27/2006	Soil Vapor	Primary Sample	Primary Result	TO-15 SIM	trans-1,2-Dichloroethene	0.15755	µg/L	Yes	J	0.08032	0.04843	206373	No	EAS Inc	B54VO5	266321.735	1783108.45	Yes	
FSSV03	MV642	FSSV03S02	7/27/2006	Soil Vapor	Primary Sample	Primary Result	TO-15 SIM	Trichloroethene	11.70357	µg/L	Yes	J	0.1206	0.00986	206373	No	EAS Inc	B54VO5	266321.735	1783108.45	Yes	
FSSV03																						







**Group 8 RFI Report  
Attachment D-3  
FSDF RFI Site Data Table**

Object Name	Sample Name	Sample Identification	Collection Date	Matrix	Sample Type	Result Type	Analytical Method	Analyte	Concentration	Units	Validated	Project Qualifier	PQL	MDL	Sample Delivery Group	Excavated	Analytical Laboratory	Validation Report Number	Northings	Eastings	Included in Risk Assessment	Rationale for Risk Exclusion
PCS-46B	PCS-46B	PCS-46B	10/4/2000	Solid	Primary Sample	Primary Result	8290	Pentachlorodibenzofurans	1.7	ng/kg	Yes	J			IJ0179	No	Del Mar	T703DF1	266034.531	1783177.88	No	Sample Collected >10'; Congeners or Isomers of this compound were used
PCS-46B	PCS-46B	PCS-46B	10/4/2000	Solid	Primary Sample	Primary Result	8290	Pentachlorodibenzo-p-dioxins	3	ng/kg	Yes	J			IJ0179	No	Del Mar	T703DF1	266034.531	1783177.88	No	Sample Collected >10'; Congeners or Isomers of this compound were used
PCS-46B	PCS-46B	PCS-46B	10/4/2000	Solid	Primary Sample	Calculated Result	8290	TCDD TEQ (ND=0) 2005 WHO	0.0627	ng/kg					IJ0179	No	Del Mar		266034.531	1783177.88	No	Sample Collected >10'; Congeners or Isomers of this compound were used
PCS-46B	PCS-46B	PCS-46B	10/4/2000	Solid	Primary Sample	Primary Result	8290	Tetrachlorodibenzofurans	2.4	ng/kg	Yes	J			IJ0179	No	Del Mar	T703DF1	266034.531	1783177.88	No	Sample Collected >10'; Congeners or Isomers of this compound were used
PCS-46B	PCS-46B	PCS-46B	10/4/2000	Solid	Primary Sample	Primary Result	8290	Tetrachlorodibenzo-p-dioxins	0.53	ng/kg	Yes	UJ			IJ0179	No	Del Mar	T703DF1	266034.531	1783177.88	No	Sample Collected >10'; Congeners or Isomers of this compound were used
PCS-47B	PCS-47B	PCS-47B	10/4/2000	Solid	Primary Sample	Primary Result	300	Perchlorate	40	µg/kg	Yes	U	40		IJ0179	No	Del Mar	T703WC1	266039.375	1783151	No	Sample Collected >10'
PCS-47B	PCS-47B	PCS-47B	10/4/2000	Solid	Primary Sample	Primary Result	7471A	Mercury	0.02	mg/kg	Yes	U	0.02		IJ0179	No	Del Mar	T703MT1	266039.375	1783151	No	Sample Collected >10'
PCS-47B	PCS-47B	PCS-47B	10/4/2000	Solid	Primary Sample	Primary Result	8082	Aroclor 1016	50	µg/kg	Yes	U	50	50	IJ0179	No	Del Mar	T703PP1	266039.375	1783151	No	Sample Collected >10'
PCS-47B	PCS-47B	PCS-47B	10/4/2000	Solid	Primary Sample	Primary Result	8082	Aroclor 1221	50	µg/kg	Yes	U	50	50	IJ0179	No	Del Mar	T703PP1	266039.375	1783151	No	Sample Collected >10'
PCS-47B	PCS-47B	PCS-47B	10/4/2000	Solid	Primary Sample	Primary Result	8082	Aroclor 1232	50	µg/kg	Yes	U	50	50	IJ0179	No	Del Mar	T703PP1	266039.375	1783151	No	Sample Collected >10'
PCS-47B	PCS-47B	PCS-47B	10/4/2000	Solid	Primary Sample	Primary Result	8082	Aroclor 1242	50	µg/kg	Yes	U	50	50	IJ0179	No	Del Mar	T703PP1	266039.375	1783151	No	Sample Collected >10'
PCS-47B	PCS-47B	PCS-47B	10/4/2000	Solid	Primary Sample	Primary Result	8082	Aroclor 1248	50	µg/kg	Yes	U	50	50	IJ0179	No	Del Mar	T703PP1	266039.375	1783151	No	Sample Collected >10'
PCS-47B	PCS-47B	PCS-47B	10/4/2000	Solid	Primary Sample	Primary Result	8082	Aroclor 1254	50	µg/kg	Yes	U	50	50	IJ0179	No	Del Mar	T703PP1	266039.375	1783151	No	Sample Collected >10'
PCS-47B	PCS-47B	PCS-47B	10/4/2000	Solid	Primary Sample	Primary Result	8290	1,2,3,4,6,7,8-Heptachlorodibenzofuran	1.4	ng/kg	Yes	UJ			IJ0179	No	Del Mar	T703DF1	266039.375	1783151	No	Sample Collected >10'
PCS-47B	PCS-47B	PCS-47B	10/4/2000	Solid	Primary Sample	Primary Result	8290	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	2.4	ng/kg	Yes	UJ			IJ0179	No	Del Mar	T703DF1	266039.375	1783151	No	Sample Collected >10'
PCS-47B	PCS-47B	PCS-47B	10/4/2000	Solid	Primary Sample	Primary Result	8290	1,2,3,4,7,8,9-Heptachlorodibenzofuran	0.5	ng/kg	Yes	U	0.5		IJ0179	No	Del Mar	T703DF1	266039.375	1783151	No	Sample Collected >10'
PCS-47B	PCS-47B	PCS-47B	10/4/2000	Solid	Primary Sample	Primary Result	8290	1,2,3,4,7,8-Heptachlorodibenzofuran	1.3	ng/kg	Yes	UJ			IJ0179	No	Del Mar	T703DF1	266039.375	1783151	No	Sample Collected >10'
PCS-47B	PCS-47B	PCS-47B	10/4/2000	Solid	Primary Sample	Primary Result	8290	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	0.4	ng/kg	Yes	U	0.4		IJ0179	No	Del Mar	T703DF1	266039.375	1783151	No	Sample Collected >10'
PCS-47B	PCS-47B	PCS-47B	10/4/2000	Solid	Primary Sample	Primary Result	8290	1,2,3,6,7,8-Hexachlorodibenzofuran	0.56	ng/kg	Yes	UJ			IJ0179	No	Del Mar	T703DF1	266039.375	1783151	No	Sample Collected >10'
PCS-47B	PCS-47B	PCS-47B	10/4/2000	Solid	Primary Sample	Primary Result	8290	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	1.2	ng/kg	Yes	UJ			IJ0179	No	Del Mar	T703DF1	266039.375	1783151	No	Sample Collected >10'
PCS-47B	PCS-47B	PCS-47B	10/4/2000	Solid	Primary Sample	Primary Result	8290	1,2,3,7,8,9-Hexachlorodibenzofuran	0.4	ng/kg	Yes	U	0.4		IJ0179	No	Del Mar	T703DF1	266039.375	1783151	No	Sample Collected >10'
PCS-47B	PCS-47B	PCS-47B	10/4/2000	Solid	Primary Sample	Primary Result	8290	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	0.81	ng/kg	Yes	UJ			IJ0179	No	Del Mar	T703DF1	266039.375	1783151	No	Sample Collected >10'
PCS-47B	PCS-47B	PCS-47B	10/4/2000	Solid	Primary Sample	Primary Result	8290	1,2,3,7,8-Pentachlorodibenzofuran	0.78	ng/kg	Yes	J			IJ0179	No	Del Mar	T703DF1	266039.375	1783151	No	Sample Collected >10'
PCS-47B	PCS-47B	PCS-47B	10/4/2000	Solid	Primary Sample	Primary Result	8290	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	0.3	ng/kg	Yes	U	0.3		IJ0179	No	Del Mar	T703DF1	266039.375	1783151	No	Sample Collected >10'
PCS-47B	PCS-47B	PCS-47B	10/4/2000	Solid	Primary Sample	Primary Result	8290	2,3,4,6,7,8-Hexachlorodibenzofuran	0.54	ng/kg	Yes	UJ			IJ0179	No	Del Mar	T703DF1	266039.375	1783151	No	Sample Collected >10'
PCS-47B	PCS-47B	PCS-47B	10/4/2000	Solid	Primary Sample	Primary Result	8290	2,3,4,7,8-Pentachlorodibenzofuran	1	ng/kg	Yes	UJ			IJ0179	No	Del Mar	T703DF1	266039.375	1783151	No	Sample Collected >10'
PCS-47B	PCS-47B	PCS-47B	10/4/2000	Solid	Primary Sample	Primary Result	8290	2,3,7,8-TCDD	0.4	ng/kg	Yes	U	0.4		IJ0179	No	Del Mar	T703DF1	266039.375	1783151	No	Sample Collected >10'
PCS-47B	PCS-47B	PCS-47B	10/4/2000	Solid	Primary Sample	Primary Result	8290	2,3,7,8-Tetrachlorodibenzofuran	0.47	ng/kg	Yes	UJ			IJ0179	No	Del Mar	T703DF1	266039.375	1783151	No	Sample Collected >10'
PCS-47B	PCS-47B	PCS-47B	10/4/2000	Solid	Primary Sample	Primary Result	8290	Heptachlorodibenzofurans	1.4	ng/kg	Yes	UJ			IJ0179	No	Del Mar	T703DF1	266039.375	1783151	No	Sample Collected >10'; Congeners or Isomers of this compound were used
PCS-47B	PCS-47B	PCS-47B	10/4/2000	Solid	Primary Sample	Primary Result	8290	Heptachlorodibenzo-p-dioxins	4	ng/kg	Yes				IJ0179	No	Del Mar	T703DF1	266039.375	1783151	No	Sample Collected >10'; Congeners or Isomers of this compound were used
PCS-47B	PCS-47B	PCS-47B	10/4/2000	Solid	Primary Sample	Primary Result	8290	Hexachlorodibenzofurans	3.9	ng/kg	Yes	J			IJ0179	No	Del Mar	T703DF1	266039.375	1783151	No	Sample Collected >10'; Congeners or Isomers of this compound were used
PCS-47B	PCS-47B	PCS-47B	10/4/2000	Solid	Primary Sample	Primary Result	8290	Hexachlorodibenzo-p-dioxins	6.8	ng/kg	Yes				IJ0179	No	Del Mar	T703DF1	266039.375	1783151	No	Sample Collected >10'; Congeners or Isomers of this compound were used
PCS-47B	PCS-47B	PCS-47B	10/4/2000	Solid	Primary Sample	Primary Result	8290	Octachlorodibenzofuran	0.9	ng/kg	Yes	U	0.9		IJ0179	No	Del Mar	T703DF1	266039.375	1783151	No	Sample Collected >10'
PCS-47B	PCS-47B	PCS-47B	10/4/2000	Solid	Primary Sample	Primary Result	8290	Octachlorodibenzo-p-dioxin	2.5	ng/kg	Yes	UJ			IJ0179	No	Del Mar	T703DF1	266039.375	1783151	No	Sample Collected >10'
PCS-47B	PCS-47B	PCS-47B	10/4/2000	Solid	Primary Sample	Primary Result	8290	Pentachlorodibenzofurans	5.4	ng/kg	Yes				IJ0179	No	Del Mar	T703DF1	266039.375	1783151	No	Sample Collected >10'; Congeners or Isomers of this compound were used
PCS-47B	PCS-47B	PCS-47B	10/4/2000	Solid	Primary Sample	Primary Result	8290	Pentachlorodibenzo-p-dioxins	2.9	ng/kg	Yes				IJ0179	No	Del Mar	T703DF1	266039.375	1783151	No	Sample Collected >10'; Congeners or Isomers of this compound were used
PCS-47B	PCS-47B	PCS-47B	10/4/2000	Solid	Primary Sample	Calculated Result	8290	TCDD TEQ (ND=0) 2005 WHO	0.0234	ng/kg					IJ0179	No	Del Mar		266039.375	1783151	No	Sample Collected >10'; Congeners or Isomers of this compound were used
PCS-47B	PCS-47B	PCS-47B	10/4/2000	Solid	Primary Sample	Primary Result	8290	Tetrachlorodibenzofurans	1.7	ng/kg	Yes	J			IJ0179	No	Del Mar	T703DF1	266039.375	1783151	No	Sample Collected >10'; Congeners or Isomers of this compound were used
PCS-47B	PCS-47B	PCS-47B	10/4/2000	Solid	Primary Sample	Primary Result	8290	Tetrachlorodibenzo-p-dioxins	0.9	ng/kg	Yes				IJ0179	No	Del Mar	T703DF1	266039.375	1783151	No	Sample Collected >10'; Congeners or Isomers of this compound were used
FSSW01	RX050	FSSW01S01	5/8/2000	Water	Primary Sample	Primary Result	300	Perchlorate	20	µg/L	Yes	U	20	20	16423	No	Weck	T500WC15	267258.469	1783664.5	Yes	
FSSW01	RY050	FSSW01S01	5/8/2000	Water	Split Sample	Primary Result	314	Perchlorate	5	µg/L	Yes	U	5	5	RY050	No	Ceimic	T700WC48	267258.469	1783664.5	No	Duplicate or Split Data
FSSW04	MJ121	FSSW04S01	2/14/2003	Water	Primary Sample	Primary Result	245.1	Mercury	0.0002	mg/L	Yes	U	0.0002	0.0002	IMB0949	No	Del Mar	T702MT16	266827.25	1783432.75	Yes	
FSSW04	MJ121	FSSW04S01	2/14/2003	Water	Primary Sample	Primary Result	314	Perchlorate	4	µg/L	Yes	U	4	4	IMB0949	No	Del Mar	T702WC16	266827.25	1783432.75	Yes	
FSSW04	SSFL-W-099K	FSSW04S01	2/14/2003	Water	Split Sample	Primary Result	314	Perchlorate	2	µg/L	No	U	2	2	17061	No	AmerSci		266827.25	1783432.75	No	Data Not Validated; Duplicate or Split Data
FSSW05	MJ122	FSSW05S01	2/14/2003	Water	Primary Sample	Primary Result	245.1	Mercury	0.0002	mg/L	Yes	U	0.0002	0.0002	IMB0949	No	Del Mar	T702MT16	266511.125	1783125.63	Yes	
FSSW05	SSFL-W-100K	FSSW05S01	2/14/2003	Water	Split Sample	Primary Result	314	Perchlorate	2	µg/L	No	U	2	2	17061	No	AmerSci		266511.125	1783125.63	No	Data Not Validated; Duplicate or Split Data
FSSW05	MJ122	FSSW05S01	2/14/2003	Water	Primary Sample	Primary Result	314	Perchlorate	4	µg/L	Yes	U	4	4	IMB0949	No	Del Mar	T702WC16	266511.125	1783125.63	Yes	
FSSW03	MJ224	FSSW03S01	3/15/2003	Water	Primary Sample	Primary Result	245.1	Mercury	0.0002	mg/L	Yes	U	0.0002	0.0002	IMC1010	No	Del Mar		266335.719	1783194.13	Yes	
FSSW03	MJ224	FSSW03S01	3/15/2003	Water	Primary Sample	Primary Result	314	Perchlorate	4	µg/L	Yes	U	4	4	IMC1010	No	Del Mar	T701WC16	266335.719	1783194.13	Yes	
FSSW03	SSFL-W-175K	FSSW03S01	3/15/2003	Water	Split Sample	Primary Result	314	Perchlorate	2	µg/L	No	U	2	2	17426	No	AmerSci		266335.719	1783194.13	No	Data Not Validated; Duplicate or Split Data

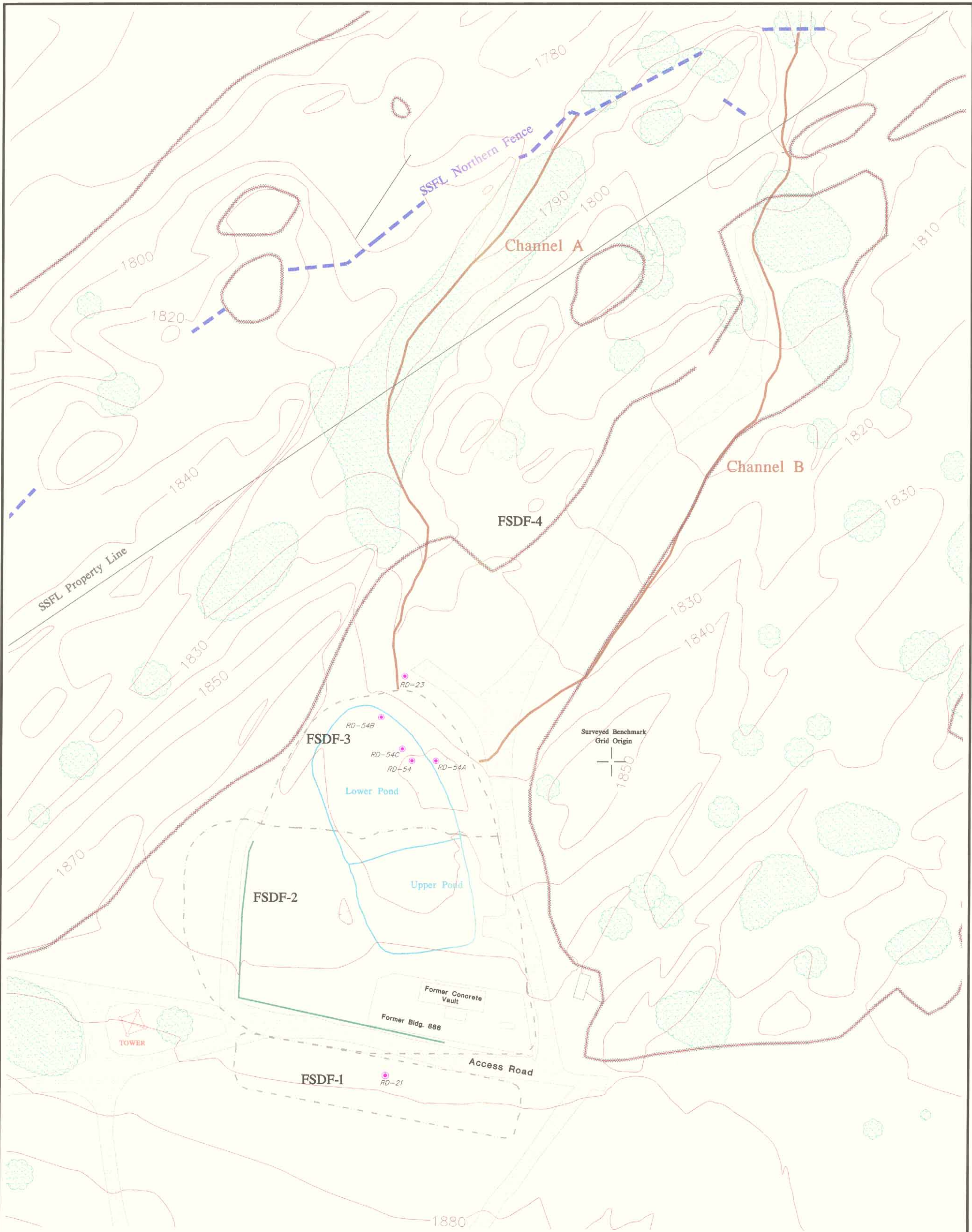
**APPENDIX D**

**ATTACHMENT D-4**

**TOPOGRAPHIC CHANGES RESULTING FROM THE INTERIM MEASURE  
(IM)  
(Electronic Copy)**

### **PRE-IM CONTOUR MAP**

The following map from the FPDF Characterization Report (ICF, 1997) shows the topography of the site before the 2000 IM.



Former Sodium Disposal Facility  
 Rocketdyne  
 Santa Susana Field Laboratory

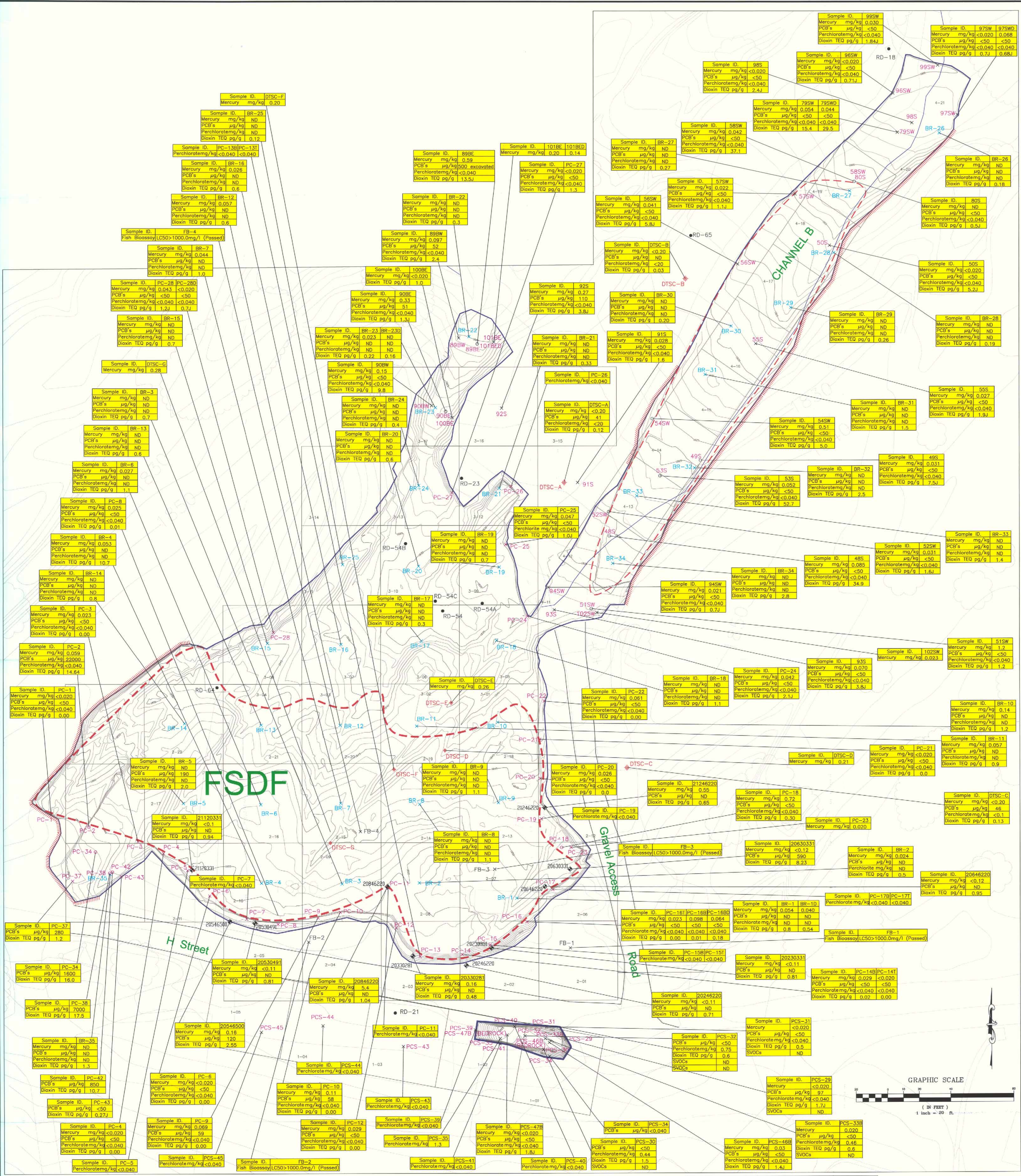
Figure 3  
 FSDF Topographic Map



<ul style="list-style-type: none"> <li><span style="color: magenta;">●</span> Groundwater Monitoring Wells</li> <li><span style="color: green;">—</span> Ditches</li> <li><span style="color: lightgreen;">○</span> Tree</li> </ul>	<ul style="list-style-type: none"> <li><span style="border-bottom: 1px dashed black;">    </span> FSDF Area Boundaries</li> <li><span style="border-bottom: 2px solid blue;">    </span> Pond Boundaries</li> <li><span style="border-bottom: 2px dashed blue;">    </span> Fences</li> <li><span style="border-bottom: 1px dotted brown;">    </span> Bedrock Outcrop</li> </ul>	<p>Surveyed Benchmark Grid Origin</p> <p>1850</p> <p>0 20' 40'</p> <p>1" = 40 feet</p> <p>MAP - E:\PROJECTS\CLOSURE\FIG_3</p>
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### **IM EXCAVATION BOTTOM CONTOUR MAP**

The following map from the FSDf Interim Measure Implementation Report (IT, 2002) shows the contour lines for the bottom of the excavation for the excavation north of the road and the excavation south of the road.



FIELD SURVEYS PERFORMED ON 6-12-2000, 6-28-00, 7-18-2000, 8-28-00, 9-1-00, 9-22-00, 9-27-00, 10-2-00 AND 10-4-00.

BENCH MARK:  
 FOUND BRASS DISK STAMPED "N 22688.45 E 12152.65 ELEV 1813.75 LS 2927.57 IN TOP WEST EDGE OF ROCK OUTCROPPING LOCATED IN VACANT FIELD NORTH OF ASPHALT DRIVE NORTH OF BUILDING 110.

COORDINATES DERIVED FROM BOEING 1992 TOPOGRAPHIC MAP (NA27 NAVD29 FEET):  
 N 268917.9800  
 E 1788312.1200  
 ELEV 1811.13

REFERENCES:  
 R1: SANTA SUSANA FIELD LABORATORY SHEET 14 AND 15 OF 30 BY AZIMUTH BOUNDARY SPECIALISTS (R1) 10-8-92.  
 R2: TABLE 1 CHANNEL SAMPLES - ANALYTICAL RESULTS AND TABLE 3 FSDF PERIMETER AND BOTTOM CONFIRMATION SAMPLES PROVIDED BY THE IT GROUP.

NOTES:  
 1: TEST LOCATIONS WERE ESTABLISHED BY LOCATING THE ORANGE FLAG SET BY IT GROUP PERSONNEL.  
 2: SURVEY FLOWLINE OF CHANNEL "C" EXTENDED BEYOND LIMITS OF REFERENCED TOPO (R1).  
 3: SAMPLE VALUES ARE PER TABULAR DATA SUMMARIES SUPPLIED BY IT CORPORATION.

**SAMPLE LEGEND**

DTSC-A	Sample collected by DTSC (Department of Toxic Substance Control)
BR-2	Bedrock sample
PC-4	Perimeter verification sample
PCS-29	Perimeter verification sample (South Excavation)
30B	Channel sampling locations, on analytical tables these numbers are prefixed with CAC, CBC or CQC which reference Channel A, B, or C confirmation samples.
FB-3	Fish Bioassay sample
20546300	Sample locations from 1997 Characterization Report CIF Kaiser

**LEGEND**

2-01	Grid location established by previous markers, surveyed and corrected in the year 2000.
Perimeter where bedrock is exposed	Perimeter where bedrock is exposed
485	Open circle indicates sample exceeded clean up level and soil was removed
RD-21	Well location & number

Topographic data from 1992 Azimuth Boundary Specialists (R1) Topography as shown does not reflect the actual channel location.

- 1' Bottom contour line (year 2000)
- 5' Bottom contour line (year 2000)
- Channel Flow Line
- Channel Flow Line (Excavated)
- Channel Flow Line (Over Excavated)
- Original anticipated limit of non-hazardous Excavation Per July 1999 Interim Measures Workplan for Cleanup by The IT Group.
- Final limit of non-hazardous Excavation (Oct. 2000)

DRAWING PREPARED BY  
**SAGE CONSULTANTS INC.**

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**Shaw Environmental & Infrastructure, Inc.**  
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 (714) 771-1100

DATE: 5-13-2002

THE BOEING COMPANY  
 ROCKETDYNE PROPULSION AND POWER  
 SSFL AREA IV  
 FORMER SODIUM DISPOSAL FACILITY (FSDF)  
 INTERIM MEASURE

**DRAWING 3**  
**SAMPLE RESULTS**  
**FSDF AND UPPER**  
**CHANNEL B**

DRAFT

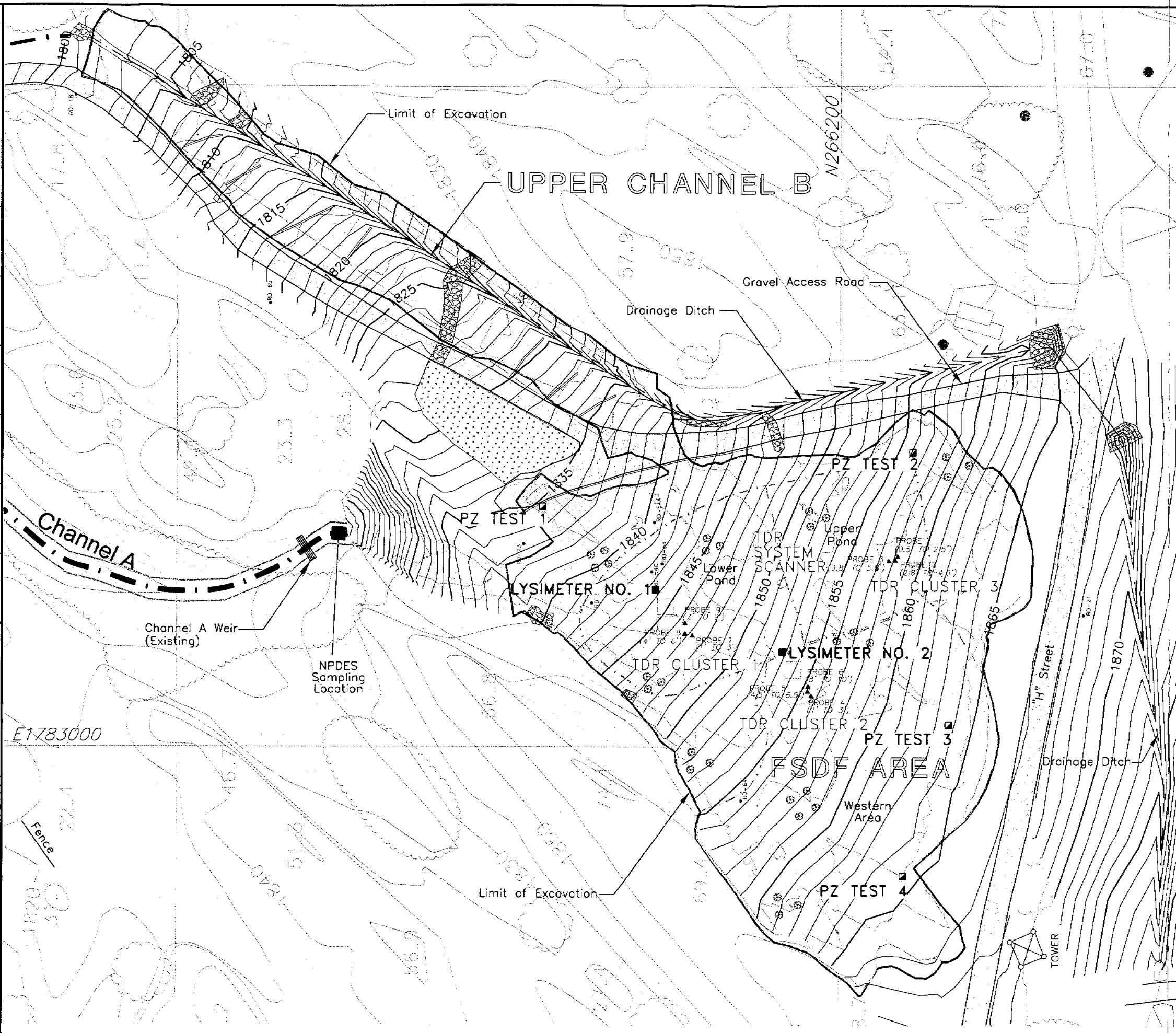
Please Note: The original version of this figure includes colored features and shading. A black and white copy of this figure should not be used because it may not accurately represent the information presented.

SCALE 1" = 20'

### **POST-IM CONTOUR MAP**

The following map from the FPDF Interim Measure Implementation Report (IT, 2002) shows the contour lines for the final grading after the 2000 IM activities.

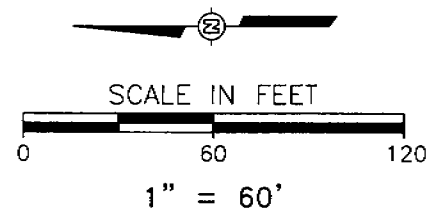
PROJECT NUMBER 881344  
 APPROVED BY  
 CHECKED BY  
 DRAWN BY K. Troyer 2-18-02



**LEGEND**

- LYSIMETER NO. 1 ■ Lysimeter and number
- ▲ PROBE 4 (1' TO 3') TDR probe, number and depth interval
- PZ TEST 4 Piezometer and number
- ⊙ New oak tree
- RD-23 Monitoring well and number
- 1865— As-Built Final Grading
- ⊞ Rock Riprap
- ⊞ Gravel

TOPOGRAPHIC BASE MAP:  
 TOPOGRAPHIC BASE COMPILED USING BOEING 1992 TOPOGRAPHIC MAP (NAD27 NAVD29 FEET). FSDF AREA  
 FSDF AREA FROM AS-BUILT SURVEY BY SAGE CONSULTANTS. DATE OF SURVEY: January 2002.



	THE BOEING COMPANY ROCKETDYNE PROPULSION AND POWER SANTA SUSANA FIELD LABORATORY
	Former Sodium Disposal Facility INTERIM MEASURE

**FIGURE 6**  
 FINAL GRADING  
 AND INSTRUMENT LOCATIONS

**APPENDIX D**

**ATTACHMENT D-5**

**ADDITIONAL FSDF 2000 INTERIM MEASURE (IM) BEDROCK SAMPLES  
(Electronic Copy)**

### **BEDROCK DATA TABLE**

The following table from the FPDF Interim Measure Implementation Report (IT, 2002) summarizes the results for the bedrock samples taken at the bottom of the excavation.

**Table 6: FSDF Bedrock Sample Results**

Sample No.	Field Location Information <sup>1</sup>	Data Sampled	Total Mercury (mg/kg)	PCBs (µg/kg)	Perchlorate (mg/kg)	Dioxins as TEQ <sup>2</sup> or TEF (pg/g)	Data Qualifiers <sup>3</sup>
<b>EPA Methods:</b>			<b>7471A</b>	<b>8082</b>	<b>300.0 MOD</b>		
BR-1-2-07	sample relocated to shale bed at request of DTSC	09/27/2000	0.054	ND	ND	0.8	
BR-1-2-07D	duplicate	09/27/2000	0.040	ND	ND	0.54	
BR-2-2-08		09/27/2000	0.024	ND	ND	0.5	
BR-3-2-09		09/27/2000	ND	ND	ND	0.7	
BR-4-2-10		09/27/2000	0.053	ND	ND	10.7	
BR-5-2-17		09/27/2000	ND	190	ND	2.0	
BR-6-2-16		09/27/2000	0.027	ND	ND	1.1	
BR-7-2-15		09/27/2000	0.044	ND	ND	1.0	
BR-8-2-14		09/27/2000	ND	ND	ND	1.1	
BR-9-2-13		09/27/2000	ND	ND	ND	1.1	
BR-10-2-18		09/27/2000	0.14	ND	ND	1.2	
BR-11-2-19		09/27/2000	0.057	ND	ND	0.9	
BR-12-2-20		09/27/2000	0.057	ND	ND	0.6	
BR-13-2-21		09/27/2000	ND	ND	ND	0.6	
BR-14-2-22		09/27/2000	ND	ND	ND	0.8	
BR-15-2-23		09/27/2000	ND	ND	ND	0.7	
BR-16-3-08		09/27/2000	0.026	ND	ND	0.6	
BR-17-3-07		09/27/2000	ND	ND	ND	0.3	
BR-18-3-06	sample relocated to shale bed at request of DTSC	09/27/2000	ND	ND	ND	1.1	
BR-19-3-09		09/27/2000	ND	ND	ND	0.7	
BR-20-3-10		09/27/2000	ND	ND	ND	0.6	
BR-21-3-12		09/27/2000	ND	ND	ND	0.33	
BR-22-3-18		09/28/2000	ND	ND	ND	0.3	
BR-23-3-17	sample taken in shale	09/28/2000	0.023	ND	ND	0.22	
BR-23-3-17D	duplicate	09/28/2000	ND	ND	ND	0.16	
BR-24-3-13		09/28/2000	ND	ND	ND	0.4	
BR-25-3-11		09/28/2000	ND	ND	ND	0.12	R
BR-26-4-21	charred organic material in the vicinity of sample	09/28/2000	ND	ND	ND	0.18	
BR-27-4-19		09/28/2000	ND	ND	ND	0.27	
BR-28-4-18		09/28/2000	ND	ND	ND	0.19	
BR-29-4-17		09/28/2000	ND	ND	ND	0.26	
BR-30-4-16		09/28/2000	ND	ND	ND	0.20	
BR-31-4-15		09/28/2000	ND	ND	ND	1.5	
BR-32-2-07		09/28/2000	ND	ND	ND	2.5	
BR-33-4-13		09/28/2000	ND	ND	ND	1.4	
BR-34-4-12		09/28/2000	ND	ND	ND	2.8	
BR-35-SOIL		10/04/2000	ND	ND	ND	1.3	

**Notes:**

1. All samples were collected near the center of the grid square except where noted.
2. Dioxin is reported as TEQ (Total Equivalences) or Total Equivalency Factor (TEF).
3. Data qualifier abbreviations are as follows:  
 R = The RPD exceeded the method control limit due to sample matrix effects. The individual analyte QA/QC recoveries were within acceptable limits.  
 NA = Analyte NOT ANALYZED.  
 ND = Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.

## **BEDROCK SAMPLE LOCATION MAP**

The following map from the FPDF Interim Measure Implementation Report (IM, 2002) shows all the sample locations and results for the samples taken during the IM, including the locations and results for the bedrock samples

