United States Environmental Protection Agency
Region 7
901 N. 5th Street
Kansas City, KS 66101

Date: MAR 18 2009

Subject: Transmittal of Sample Analysis Results for ASR #: 4262

Project ID: RKA7L1RA

Project Description: Rockwool Industries - Removal Assessment sampling

From: Michael F. Davis, Chief
Laboratory Branch, Environmental Services Division

To: Ron King
SUPR/EFLR

Enclosed are the analytical data for the above-referenced Analytical Services Request (ASR) and Project. The Regional Laboratory has reviewed and verified the results in accordance with procedures described in our Quality Manual (QM). In addition to all of the analytical results, this transmittal contains pertinent information that may have influenced the reported results and documents any deviations from the established requirements of the QM.

Please contact us within 14 days of receipt of this package if you determine there is a need for any changes. Please complete the enclosed Customer Satisfaction Survey and Data Disposition/Sample Release memo for this ASR as soon as possible. The process of disposing of the samples for this ASR will be initiated 30 days from the date of this transmittal unless an alternate release date is specified on the Data Disposition/Sample Release memo.

If you have any questions or concerns relating to this data package, contact our customer service line at 913-551-5295.

Enclosures

cc: Analytical Data File.

CHAIN OF CUSTODY RECORD
ENVIRONMENTAL PROTECTION AGENCY REGION VII

ACTIVITY LEADER(Print)	NAME OF SURVEY OR ACTIVITY	DATE OF COLLECTION (DAY / MONTH / YEAR)	SHEET
RON KING	Rockwood-REM. ASSESS.	03 03 09	1 of 1

CONTENTS OF SHIPMENT ASR 4262

SAMPLE NUMBER	TYPE OF CONTAINERS: VOA Set ~~4 CONTAINERS~~ 4 VIALS	80z BOTTLE	BOTTLE	BOTTLE	VOA SET (2 VIALS EA)	SAMPLED MEDIA: water	soil	sediment	dust	other	RECEIVING LABORATORY REMARKS/OTHER INFORMATION (condition of samples upon receipt, other sample numbers, etc.)
	NUMBERS OF CONTAINERS PER SAMPLE NUMBER										
4262-1	1	4			1		X				
4262-2	1	4			1		X				
4262-3	3	4			3		X				Triple volume for QC

Complete for this ASR

Cly Temp. Recd Ret. 0-1°C

DESCRIPTION OF SHIPMENT

23 PIECE(S) CONSISTING OF _____ BOX(ES)

1 ICE CHEST(S); OTHER _____

MODE OF SHIPMENT 3/4/09

___ COMMERCIAL CARRIER: _____

___ COURIER

X SAMPLER CONVEYED

_____ (SHIPPING DOCUMENT NUMBER)

PERSONNEL CUSTODY RECORD

RELINQUISHED BY (SAMPLER)	DATE	TIME	RECEIVED BY	REASON FOR CHANGE OF CUSTODY
Ron King ☐ SEALED ☐ UNSEALED	3/4/09	1621	McClubbles ☐ SEALED ☐ UNSEALED	Analysis
RELINQUISHED BY ☐ SEALED ☐ UNSEALED	DATE	TIME	RECEIVED BY ☐ SEALED ☐ UNSEALED	REASON FOR CHANGE OF CUSTODY
RELINQUISHED BY ☐ SEALED ☐ UNSEALED	DATE	TIME	RECEIVED BY ☐ SEALED ☐ UNSEALED	REASON FOR CHANGE OF CUSTODY

*U.S. GPO: 2002-756-917/40053

Project Manager: Ron King **Org:** SUPR/EFLR **Phone:** 913-551-7568

Project ID: RKA7L1RA

Project Desc: Rockwool Industries - Removal Assessment sampling

Location: Cameron **State:** Missouri **Program:** Superfund

Site Name: ROCKWOOL INDUSTRIES - SITEWIDE **Site ID:** A7L1 **Site OU:** 00

Purpose: Site Characterization **GPRA PRC:** 302DC6C

City of Cameron will be excavating along east side of Rockwool Industries and the sludge samples is a result of the utility line installation done several years ago. Activity connected to the brain tumors inquiry in Cameron, MO.

Explanation of Codes, Units and Qualifiers used on this report

Sample QC Codes: QC Codes identify the type of sample for quality control purpose.

__ = Field Sample

Units: Specific units in which results are reported.

% = Percent
mg/kg = Milligrams per Kilogram
ug/kg = Micrograms per Kilogram

Data Qualifiers: Specific codes used in conjunction with data values to provide additional information on the quality of reported results, or used to explain the absence of a specific value.

(Blank)= Values have been reviewed and found acceptable for use.
J = The identification of the analyte is acceptable; the reported value is an estimate.
U = The analyte was not detected at or above the reporting limit.
UJ = The analyte was not detected at or above the reporting limit. The reporting limit is an estimate.

ASR Number: 4262 **Sample Information Summary** **03/18/2009**

Project ID: RKA7L1RA **Project Desc:** Rockwool Industries - Removal Assessment sampling

Sample No	QC Code	Matrix	Location Description	External Sample No	Start Date	Start Time	End Date	End Time	Receipt Date
1 -	__	Solid	Trench excavation East of Substation (3.5' bgs)		03/03/2009	09:40	03/03/2009	09:40	03/04/2009
2 -	__	Solid	Trench Excavation East of Substation (2.5' bgs)		03/03/2009	11:30	03/03/2009	11:30	03/04/2009
3 -	__	Solid	Trench Excavation East of Substation (6" bgs)		03/03/2009	12:30	03/03/2009	12:30	03/04/2009

Analysis	Comments About Results For This Analysis

1 Formaldehyde in Soil by HPLC

Lab: REAP Contract Lab (Out-Source)

Method: Similar to EPA SW846 8315A - modified for soil samples (see comments)

Basis: Dry

Samples: 1-__ 2-__ 3-__

Comments:
Both the MS and MSD recoveries were acceptable but the calculated RPD of 27% exceeded the control limit of 20%. Formaldehyde was UJ-coded in sample 4062-1. This analyte was not found in the sample at or above the reporting limit, however, the reporting limit is an estimate (UJ-coded) due to poor precision obtained for this analyte in the laboratory matrix spike and matrix spike duplicate. The actual reporting limit for this analyte may be higher than the reported value.

1 Mercury in Soil or Sediment

Lab: Region 7 ESAT Contract Lab (In-House)

Method: EPA Region 7 RLAB Method 3121.23A

Basis: Dry

Samples: 1-__ 2-__ 3-__

Comments:

1 Metals in Solids by ICP

Lab: Region 7 ESAT Contract Lab (In-House)

Method: EPA Region 7 RLAB Method 3122.3C

Basis: Dry

Samples: 1-__ 2-__ 3-__

Comments:
Lead (8, 8, 75-124), and Zinc (50, 52, 75-123) were J-coded in samples 4262-2. Although the analytes in question have been positively identified in these samples, the quantitation are estimates (J-coded) due to low recoveries of the analytes in the laboratory matrix spikes abd matrix spike duplicate. The actual concentrations for these analytes may be highter than the reported value.

Antimony (33, 33, 75-101) was UJ-coded in sample 4262-2. Although the analyte in question has been positively identified in the sample, the quantitation is an estimate (J-coded) due to low recovery of this analyte in the laboratory matrix spike. The actual concentration for this analyte may be higher than the reported value.

1 PCBs in Soil by GC/EC

Lab: Region 7 ESAT Contract Lab (In-House)

Analysis	Comments About Results For This Analysis

Method: EPA Region 7 RLAB Method 3240.2G with Acid Cleanup

Basis: Dry

Samples: 1-__ 2-__ 3-__

Comments:
All soil samples were reported on a dry weight basis. Reporting limits were slightly higher than TRL due to correction for moisture content.

1 Percent Solid

Lab: Region 7 ESAT Contract Lab (In-House)

Method: EPA Region 7 RLAB Method 3142.9E

Basis: N/A

Samples: 1-__ 2-__ 3-__

Comments:
(N/A)

1 Semi-Volatile Organic Compounds in Soil

Lab: Region 7 ESAT Contract Lab (In-House)

Method: EPA Region 7 RLAB Method 3230.2E

Basis: Dry

Samples: 1-__ 2-__ 3-__

Comments:
Reporting limits for sample 4262-1 were higher than typical reporting limits for this method. Due to the sample's appearance and concentration, a dilution was needed (increased TRL 2x). Reporting limits were further adjusted as all samples were reported on a dry basis.

4-Chloroaniline (67%, 80 - 120%) and 3-Nitroaniline (79%, 80 - 120%) were UJ-coded in samples 4262-1, 4262-2, and 4262-3. These analytes were not found in the samples at or above the reporting limit however, the reporting limit is an estimate (UJ-coded) due to the initial calibration verification standard not meeting accuracy specifications. The actual reporting limit for these analytes may be higher than the reported value.

1,3-Dichlorobenzene (55%, 59 - 114%), Hexachloroethane (54%, 56 - 106%), 2,4-Dimethylphenol (48%, 49 - 105%), and 1,2,4-Trichlorobenzene (60%, 61 - 107%) were UJ-coded in samples 4262-1, 4262-2, and 4262-3. These analytes were not found in the samples at or above the reporting limit however, the reporting limit is an estimate (UJ-coded) due to low recovery of these analytes in the laboratory control sample. The actual reporting limit for these analytes may be higher than the reported value.

2-Methylnaphthalene (53%, 54 - 119%) was UJ-coded in sample 4262-3. This analyte was not found in the sample at or above the reporting limit however, the reporting limit is an estimate (UJ-coded) due to low recovery of the analyte in the laboratory matrix spike. The actual reporting limit for this analyte may be higher than the reported value.

Analysis **Comments About Results For This Analysis**

1 Semi-Volatile TPH (DRO & ORO) in Soil by GC/FID

Lab: REAP Contract Lab (Out-Source)

Method: Similar to Modified version of SW846 Method 8015 (see comments)

Basis: Dry

Samples: 1-__ 2-__ 3-__

Comments:
The surrogate recovery for 4262-2 (34%) and 4262-3 (24%) were below the lower control limit of 50%. The samples were reanalyzed with similar results. TPH DRO & TPH ORO in samples 4262-2 and 4262-3 were UJ-coded. This analyte was not found in the sample at or above the reporting limit, however, the reporting limit is an estimate (UJ-coded) due to low recovery of the surrogate analyte. The actual reporting limit for this analyte may be higher than the reported value.

1 TPH Volatiles in Soil by GC/MS

Lab: Region 7 EPA Laboratory - Kansas City, Ks.

Method: EPA Region 7 RLAB Method 3230.19A

Basis: Dry

Samples: 1-__ 2-__ 3-__

Comments:
Samples 1, 2, and 3 were reported at the Method Detection Limit (MDL) with a UJ code indicating that they have been evaluated below the calibrated range and there were no hits above the Total TPH MDL. Sample 2 had a detectable amount of m and/or p-xylene at 11.5 ug/kg but the Total TPH (1.92ug/kg) falls below the MDL of 9.7 ug/kg. This sample is associated with a Method Blank (951MB) which had detectable amounts of the same analyte at 7.6 ug/kg. The blank rule was not applied as the Total TPH in the blank did not exceed the MDL.

1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap

Lab: Region 7 EPA Laboratory - Kansas City, Ks.

Method: EPA Region 7 RLAB Method 3230.16D

Basis: Dry

Samples: 1-__ 2-__ 3-__

Comments:
Sample 3-ms recoveries were all within the acceptance range. Sample 3-msd had low recovery of many analytes, and 7 (Bromoform, 1,2-Dibromoethane, 2-Hexanone, Methyl tert-butyl Ether, 4-Methyl-2-Pentanone, 1,1,2,2-Tetrachloroethane, and 1,1,2-Trichloroethane) fell below the acceptable recovery range. This discrepancy in recoveries made the ms/msd precision fail acceptance criteria for more than 20% of the analytes tested. In this analysts judgment, the original data in sample 3 is well qualified by 3-ms only, and there was no need to code sample 3 data.

Note sample 3 had only 2 hits: Acetone, and m- and/or p-Xylene, and only Acetone was

Analysis	Comments About Results For This Analysis
	above the reporting limit. The project manager requested the concentration of interest reported to the method detection limits. Sample 1 J coded Carbon Disulfide, Cyclohexane, m- and/or p-Xylene. Sample 2 J coded m- and/or p-Xylene, and o-Xylene. Sample 3 J coded m- and/or p-Xylene. Although the analytes in question have been positively identified in the samples, the quantitation is an estimate (J-coded) due to the reported values being below the calibrated range of the instrument.

ASR Number: 4262 **RLAB Approved Sample Analysis Results** **03/18/2009**

Project ID: RKA7L1RA **Project Desc:** Rockwool Industries - Removal Assessment sampling

Analysis/ Analyte	Units	1-__	2-__	3-__
1 Formaldehyde in Soil by HPLC				
Formaldehyde	mg/kg	7.5 UJ	5.5 U	14
1 Mercury in Soil or Sediment				
Mercury	mg/kg	0.133	0.0488	0.0558
1 Metals in Solids by ICP				
Aluminum	mg/kg	14300	22900	21400
Antimony	mg/kg	170	2.7 UJ	2.7 U
Arsenic	mg/kg	1710	11.9	15.5
Barium	mg/kg	316	255	415
Beryllium	mg/kg	2.2	1.3 U	1.4 U
Cadmium	mg/kg	33.4	2.1	2.9
Calcium	mg/kg	81200	5320	5430
Chromium	mg/kg	6.1	24.2	21.1
Cobalt	mg/kg	4.2	11.9	13.3
Copper	mg/kg	84.8	27.2	31.2
Iron	mg/kg	9890	30200	33700
Lead	mg/kg	108000	146 J	165
Magnesium	mg/kg	12300	5450	5450
Manganese	mg/kg	3060	592	908
Molybdenum	mg/kg	6.0	3.9	2.7 U
Nickel	mg/kg	8.5	31.3	40.1
Potassium	mg/kg	3970	1930	1990
Selenium	mg/kg	30.7	13.3 U	13.5 U
Silver	mg/kg	203	2.1 U	2.7 U
Sodium	mg/kg	5760	1320	876
Thallium	mg/kg	16.6 U	13.3 U	13.5 U
Vanadium	mg/kg	8.9	47.1	47.7
Zinc	mg/kg	116000	165 J	308
1 PCBs in Soil by GC/EC				
Aroclor 1016	ug/kg	33 U	26 U	27 U
Aroclor 1221	ug/kg	33 U	26 U	27 U
Aroclor 1232	ug/kg	33 U	26 U	27 U
Aroclor 1242	ug/kg	33 U	26 U	27 U
Aroclor 1248	ug/kg	33 U	26 U	27 U
Aroclor 1254	ug/kg	16 U	13 U	13 U
Aroclor 1260	ug/kg	16 U	13 U	13 U
1 Percent Solid				
Solids, percent	%	60.1	75.1	74.0
1 Semi-Volatile Organic Compounds in Soil				
Acenaphthene	ug/kg	260 U	100 U	110 U
Acenaphthylene	ug/kg	260 U	100 U	110 U
Anthracene	ug/kg	280	100 U	110 U
Benzo(a)anthracene	ug/kg	260 U	100 U	110 U
Benzo(a)pyrene	ug/kg	260 U	100 U	110 U
Benzo(b)fluoranthene	ug/kg	260 U	100 U	110 U
Benzo(g,h,i)perylene	ug/kg	260 U	100 U	110 U

Analysis/ Analyte	Units	1-__	2-__	3-__
Benzo(k)fluoranthene	ug/kg	260 U	100 U	110 U
Benzoic acid	ug/kg	1300 U	520 U	540 U
Benzyl alcohol	ug/kg	660 U	260 U	270 U
bis(2-Chloroethoxy)methane	ug/kg	260 U	100 U	110 U
bis(2-Chloroethyl)ether	ug/kg	260 U	100 U	110 U
bis(2-Chloroisopropyl)ether	ug/kg	260 U	100 U	110 U
bis(2-Ethylhexyl)phthalate	ug/kg	660 U	260 U	270 U
4-Bromophenyl-phenylether	ug/kg	260 U	100 U	110 U
Butylbenzylphthalate	ug/kg	660 U	260 U	270 U
Carbazole	ug/kg	660 U	260 U	270 U
4-Chloro-3-methylphenol	ug/kg	660 U	260 U	270 U
4-Chloroaniline	ug/kg	1300 UJ	520 UJ	540 UJ
2-Chloronaphthalene	ug/kg	260 U	100 U	110 U
2-Chlorophenol	ug/kg	660 U	260 U	270 U
4-Chlorophenyl-phenylether	ug/kg	260 U	100 U	110 U
Chrysene	ug/kg	350	100 U	110 U
Di-n-butylphthalate	ug/kg	660 U	260 U	270 U
Di-n-octylphthalate	ug/kg	660 U	260 U	270 U
Dibenz(a,h)anthracene	ug/kg	260 U	100 U	110 U
Dibenzofuran	ug/kg	260 U	100 U	110 U
1,2-Dichlorobenzene	ug/kg	260 U	100 U	110 U
1,3-Dichlorobenzene	ug/kg	260 UJ	100 UJ	110 UJ
1,4-Dichlorobenzene	ug/kg	260 U	100 U	110 U
3,3'-Dichlorobenzidine	ug/kg	1300 U	520 U	540 U
2,4-Dichlorophenol	ug/kg	660 U	260 U	270 U
Diethylphthalate	ug/kg	260 U	100 U	110 U
2,4-Dimethylphenol	ug/kg	660 UJ	260 UJ	270 UJ
Dimethylphthalate	ug/kg	260 U	100 U	110 U
4,6-Dinitro-2-methylphenol	ug/kg	1300 U	520 U	540 U
2,4-Dinitrophenol	ug/kg	1300 U	520 U	540 U
2,4-Dinitrotoluene	ug/kg	260 U	100 U	110 U
2,6-Dinitrotoluene	ug/kg	260 U	100 U	110 U
Fluoranthene	ug/kg	1000	100 U	110 U
Fluorene	ug/kg	260 U	100 U	110 U
Hexachlorobenzene	ug/kg	260 U	100 U	110 U
Hexachlorobutadiene	ug/kg	260 U	100 U	110 U
Hexachlorocyclopentadiene	ug/kg	260 U	100 U	110 U
Hexachloroethane	ug/kg	260 UJ	100 UJ	110 UJ
Indeno(1,2,3-cd)pyrene	ug/kg	260 U	100 U	110 U
Isophorone	ug/kg	260 U	100 U	110 U
2-Methylnaphthalene	ug/kg	260 U	100 U	110 UJ
2-Methylphenol	ug/kg	660 U	260 U	270 U
4-Methylphenol	ug/kg	660 U	260 U	270 U
Naphthalene	ug/kg	260 U	100 U	110 U
2-Nitroaniline	ug/kg	660 U	260 U	270 U

Analysis/ Analyte	Units	1-__	2-__	3-__
3-Nitroaniline	ug/kg	660 UJ	260 UJ	270 UJ
4-Nitroaniline	ug/kg	1300 U	520 U	540 U
Nitrobenzene	ug/kg	260 U	100 U	110 U
2-Nitrophenol	ug/kg	660 U	260 U	270 U
4-Nitrophenol	ug/kg	1300 U	520 U	540 U
N-nitroso-di-n-propylamine	ug/kg	660 U	260 U	270 U
N-nitrosodiphenylamine	ug/kg	260 U	100 U	110 U
Pentachlorophenol	ug/kg	660 U	260 U	270 U
Phenanthrene	ug/kg	1100	100 U	110 U
Phenol	ug/kg	260 U	100 U	110 U
Pyrene	ug/kg	980	100 U	110 U
1,2,4-Trichlorobenzene	ug/kg	260 UJ	100 UJ	110 UJ
2,4,5-Trichlorophenol	ug/kg	660 U	260 U	270 U
2,4,6-Trichlorophenol	ug/kg	660 U	260 U	270 U
1 Semi-Volatile TPH (DRO & ORO) in Soil by GC/FID				
TPH DRO	mg/kg	176	5.5 UJ	5.3 UJ
TPH ORO	mg/kg	366	92 UJ	88.4 UJ
1 TPH Volatiles in Soil by GC/MS				
Purgeable TPH	ug/kg	12 UJ	9.7 UJ	9.9 UJ
1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap				
Acetone	ug/kg	66	19	18
Benzene	ug/kg	1.6 UJ	0.69 UJ	0.82 UJ
Bromodichloromethane	ug/kg	2.5 UJ	1.0 UJ	1.2 UJ
Bromoform	ug/kg	2.0 UJ	0.83 UJ	0.98 UJ
Bromomethane	ug/kg	2.9 UJ	1.2 UJ	1.4 UJ
2-Butanone	ug/kg	13 UJ	5.4 UJ	6.4 UJ
Carbon Disulfide	ug/kg	5.7 J	0.84 UJ	1.0 UJ
Carbon Tetrachloride	ug/kg	2.4 UJ	1.0 UJ	1.2 UJ
Chlorobenzene	ug/kg	2.0 UJ	0.87 UJ	1.0 UJ
Chloroethane	ug/kg	3.6 UJ	1.5 UJ	1.8 UJ
Chloroform	ug/kg	2.6 UJ	1.1 UJ	1.3 UJ
Chloromethane	ug/kg	4.7 UJ	2.0 UJ	2.4 UJ
Cyclohexane	ug/kg	2.0 J	0.76 UJ	0.89 UJ
1,2-Dibromo-3-Chloropropane	ug/kg	4.7 UJ	2.0 UJ	2.4 UJ
Dibromochloromethane	ug/kg	1.7 UJ	0.72 UJ	0.85 UJ
1,2-Dibromoethane	ug/kg	2.3 UJ	0.97 UJ	1.1 UJ
1,2-Dichlorobenzene	ug/kg	2.4 UJ	1.0 UJ	1.2 UJ
1,3-Dichlorobenzene	ug/kg	2.4 UJ	1.0 UJ	1.2 UJ
1,4-Dichlorobenzene	ug/kg	2.2 UJ	0.92 UJ	1.1 UJ
Dichlorodifluoromethane	ug/kg	3.8 UJ	1.6 UJ	1.9 UJ
1,1-Dichloroethane	ug/kg	2.8 UJ	1.2 UJ	1.4 UJ
1,2-Dichloroethane	ug/kg	2.2 UJ	0.92 UJ	1.1 UJ
1,1-Dichloroethene	ug/kg	2.1 UJ	0.91 UJ	1.1 UJ
cis-1,2-Dichloroethene	ug/kg	1.6 UJ	0.69 UJ	0.82 UJ
trans-1,2-Dichloroethene	ug/kg	2.2 UJ	0.92 UJ	1.1 UJ

Analysis/ Analyte	Units	1-___	2-___	3-___
1,2-Dichloropropane	ug/kg	2.0 UJ	0.87 UJ	1.0 UJ
cis-1,3-Dichloropropene	ug/kg	2.1 UJ	0.88 UJ	1.0 UJ
trans-1,3-Dichloropropene	ug/kg	2.0 UJ	0.86 UJ	1.0 UJ
Ethyl Benzene	ug/kg	2.4 UJ	1.0 UJ	1.2 UJ
2-Hexanone	ug/kg	8.3 UJ	3.5 UJ	4.2 UJ
Isopropylbenzene	ug/kg	1.5 UJ	0.64 UJ	0.76 UJ
Methyl Acetate	ug/kg	2.3 UJ	0.98 UJ	1.2 UJ
Methyl tert-butyl ether	ug/kg	1.4 UJ	0.59 UJ	0.70 UJ
Methylcyclohexane	ug/kg	1.7 UJ	0.73 UJ	0.86 UJ
Methylene Chloride	ug/kg	1.8 UJ	0.78 UJ	0.92 UJ
4-Methyl-2-Pentanone	ug/kg	3.0 UJ	1.3 UJ	1.5 UJ
Naphthalene	ug/kg	13 UJ	5.7 UJ	6.7 UJ
Styrene	ug/kg	2.3 UJ	1.0 UJ	1.2 UJ
1,1,2,2-Tetrachloroethane	ug/kg	3.0 UJ	1.3 UJ	1.5 UJ
Tetrachloroethene	ug/kg	2.2 UJ	0.93 UJ	1.1 UJ
Toluene	ug/kg	2.0 UJ	0.86 UJ	1.0 UJ
1,2,3-Trichlorobenzene	ug/kg	5.9 UJ	2.5 UJ	3.0 UJ
1,2,4-Trichlorobenzene	ug/kg	4.4 UJ	1.9 UJ	2.2 UJ
1,1,1-Trichloroethane	ug/kg	1.5 UJ	0.66 UJ	0.77 UJ
1,1,2-Trichloroethane	ug/kg	1.9 UJ	0.81 UJ	0.95 UJ
Trichloroethene	ug/kg	2.0 UJ	0.83 UJ	0.98 UJ
Trichlorofluoromethane	ug/kg	2.5 UJ	1.1 UJ	1.3 UJ
1,1,2-Trichlorotrifluoroethane	ug/kg	2.2 UJ	0.93 UJ	1.1 UJ
Vinyl Chloride	ug/kg	2.2 UJ	0.96 UJ	1.1 UJ
m and/or p-Xylene	ug/kg	5.5 J	4.6 J	3.8 J
o-Xylene	ug/kg	2.8 UJ	1.5 J	1.4 UJ

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 4262 **Sample Number:** 1 **QC Code:** __ **Matrix:** Solid **Tag ID:** 4262-1-__

Project ID: RKA7L1RA **Project Manager:** Ron King
Project Desc: Rockwool Industries - Removal Assessment sampling
City: Cameron **State:** Missouri
Program: Superfund
Site Name: ROCKWOOL INDUSTRIES - SITEWIDE **Site ID:** A7L1 **Site OU:** 00

Location Desc: trench excavation east of substation, 3.5' BGS

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High)

			Date	Time(24 hr)
Latitude:	N39.73578	**Sample Collection: Start:**	3/3/09	09:40
Longitude:	W094.27386	**End:**	3/3/09	09:40

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
2 - 40mL VOA vial	4 Deg C	14	Days	1 TPH Volatiles in Soil by GC/MS
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14	Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	28	Days	1 Mercury in Soil or Sediment
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Solids by ICP
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Soil by GC/EC
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile TPH (DRO & ORO) in Soil by GC/FID
1 - 8 oz glass	4 Deg C	14	Days	1 Formaldehyde in Soil by HPLC
0 -	4 Deg C	0	Days	1 Percent Solid

Sample Comments:

(N/A) Sample collected @ 3.5' BGS
PID = 124 ppb
sample was collected a 15' west of the east property line
material is gray, very wet

Sample Collected By: Lininger

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 4262 **Sample Number:** 2 **QC Code:** __ **Matrix:** Solid **Tag ID:** 4262-2-__

Project ID: RKA7L1RA **Project Manager:** Ron King
Project Desc: Rockwool Industries - Removal Assessment sampling
City: Cameron **State:** Missouri
Program: Superfund
Site Name: ROCKWOOL INDUSTRIES - SITEWIDE **Site ID:** A7L1 **Site OU:** 00

Location Desc: trench excavation east of substation, 2.5' BGS

External Sample Number: _____

Expected Conc: (or Circle One: (Low) Medium High)

		Date	Time(24 hr)
Latitude: N 39.73578	**Sample Collection: Start:**	3/3/09	11:30
Longitude: W 094.27386	**End:**	3/3/09	11:30

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
2 - 40mL VOA vial	4 Deg C	14	Days	1 TPH Volatiles in Soil by GC/MS
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14	Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	28	Days	1 Mercury in Soil or Sediment
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Solids by ICP
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Soil by GC/EC
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile TPH (DRO & ORO) in Soil by GC/FID
1 - 8 oz glass	4 Deg C	14	Days	1 Formaldehyde in Soil by HPLC
0 -	4 Deg C	0	Days	1 Percent Solid

Sample Comments:

(N/A)

- Sample collected @ 2.5' BGS
- Sample collected from the North sidewall of the excavation, ≈ 1' above the gray material collected as sample 4262-1.
- PID = 92 ppb
- Brown clay

Sample Collected By: Lininger

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 4262 **Sample Number:** 3 **QC Code:** __ **Matrix:** Solid **Tag ID:** 4262-3-__

Project ID: RKA7L1RA **Project Manager:** Ron King
Project Desc: Rockwool Industries - Removal Assessment sampling
City: Cameron **State:** Missouri
Program: Superfund
Site Name: ROCKWOOL INDUSTRIES - SITEWIDE **Site ID:** A7L1 **Site OU:** 00

Location Desc: trench excavation east of substation, 6" BGS

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High)

		Date	Time(24 hr)
Latitude: N 39.73578	**Sample Collection: Start:**	3/3/09	12:30
Longitude: W094.27386	**End:**	3/3/09	12:30

Laboratory Analyses:

Container	Preservative	Holding Time		Analysis
2 - 40mL VOA vial	4 Deg C	14	Days	1 TPH Volatiles in Soil by GC/MS
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14	Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap
1 - 8 oz glass	4 Deg C	28	Days	1 Mercury in Soil or Sediment
1 - 8 oz glass	4 Deg C	180	Days	1 Metals in Solids by ICP
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile Organic Compounds in Soil
1 - 8 oz glass	4 Deg C	14	Days	1 PCBs in Soil by GC/EC
1 - 8 oz glass	4 Deg C	14	Days	1 Semi-Volatile TPH (DRO & ORO) in Soil by GC/FID
1 - 8 oz glass	4 Deg C	14	Days	1 Formaldehyde in Soil by HPLC
0 -	4 Deg C	0	Days	1 Percent Solid

Sample Comments:

(N/A)

- Sample collected @ 6" BGS
- Sample collected from the North sidewall of the excavation
- Sample location the same as 4262-1 & 4262-2
- PID = 63 ppb
- Brown clay
- Triple volume collected this sample for VOA LDL 5.1kD VOA TPH 5.19A

Sample Collected By: Lininger

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9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

March 24, 2009

DON LININGER
EPA Region 7
300 Minnesota
Kansas City, KS 66101

RE: Project: RKA7L1RA
Pace Project No.: 6055732

Dear DON LININGER:
Enclosed are the analytical results for sample(s) received by the laboratory on March 19, 2009. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Angie Brown

Angie.Brown@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: RKA7L1RA
Pace Project No.: 6055732

Kansas Certification IDs

Utah Certification #: 9135995665
Texas Certification #: T104704407-08-TX
Oklahoma Certification #: 9205/9935
Nevada Certification #: KS000212008A
Louisiana Certification #: 03055
Kansas/NELAP Certification #: E-10116
Iowa Certification #: 118
Illinois Certification #: 001191
Arkansas Certification #: 05-008-0
A2LA Certification #: 2456.01

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SAMPLE SUMMARY

Project: RKA7L1RA
Pace Project No.: 6055732

Lab ID	Sample ID	Matrix	Date Collected	Date Received
6055732001	**4262-1**	Solid	03/03/09 09:40	03/19/09 11:20

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SAMPLE ANALYTE COUNT

Project: RKA7L1RA
Pace Project No.: 6055732

Lab ID	Sample ID	Method	Analysts	Analytes Reported
6055732001	**4262-1**	EPA 6010	SMW	7
		EPA 7470	JDH	1

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ANALYTICAL RESULTS

Project: RKA7L1RA
Pace Project No.: 6055732

Sample: 4262-1 **Lab ID: 6055732001** Collected: 03/03/09 09:40 Received: 03/19/09 11:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
	Leachate Method/Date: EPA 1311; 03/20/09 00:00							
Arsenic	**0.57**	mg/L	0.50	1	03/20/09 17:15	03/23/09 10:50	7440-38-2	
Barium	ND	mg/L	1.0	1	03/20/09 17:15	03/23/09 10:50	7440-39-3	
Cadmium	ND	mg/L	0.050	1	03/20/09 17:15	03/23/09 10:50	7440-43-9	
Chromium	ND	mg/L	0.10	1	03/20/09 17:15	03/23/09 10:50	7440-47-3	
Lead	**54.4**	mg/L	0.50	1	03/20/09 17:15	03/23/09 10:50	7439-92-1	
Selenium	ND	mg/L	0.50	1	03/20/09 17:15	03/23/09 10:50	7782-49-2	
Silver	ND	mg/L	0.10	1	03/20/09 17:15	03/23/09 10:50	7440-22-4	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
	Leachate Method/Date: EPA 1311; 03/20/09 00:00							
Mercury	ND	ug/L	2.0	1	03/23/09 11:15	03/23/09 16:41	7439-97-6	

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QUALITY CONTROL DATA

Project: RKA7L1RA
Pace Project No.: 6055732

QC Batch: MPRP/8536
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET TCLP
Associated Lab Samples: 6055732001

METHOD BLANK: 458169
Matrix: Water
Associated Lab Samples: 6055732001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	ND	0.50	03/23/09 10:30	
Barium	mg/L	ND	1.0	03/23/09 10:30	
Cadmium	mg/L	ND	0.050	03/23/09 10:30	
Chromium	mg/L	ND	0.10	03/23/09 10:30	
Lead	mg/L	ND	0.50	03/23/09 10:30	
Selenium	mg/L	ND	0.50	03/23/09 10:30	
Silver	mg/L	ND	0.10	03/23/09 10:30	

LABORATORY CONTROL SAMPLE: 458170

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	1	1.0	100	80-120	
Barium	mg/L	1	1.0	101	80-120	
Cadmium	mg/L	1	1.0	101	80-120	
Chromium	mg/L	1	1.0	102	80-120	
Lead	mg/L	1	1.0	101	80-120	
Selenium	mg/L	1	0.97	97	80-120	
Silver	mg/L	.5	0.52	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 458171 458172

Parameter	Units	6055281001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/L	ND	10	10	10.3	10.3	102	102	75-125	0	20	
Barium	mg/L	ND	10	10	10.9	10.9	103	104	75-125	0	20	
Cadmium	mg/L	ND	10	10	10.0	10.1	100	101	75-125	1	20	
Chromium	mg/L	ND	10	10	10.2	10.3	102	103	75-125	1	20	
Lead	mg/L	ND	10	10	10.2	10.3	102	103	75-125	1	20	
Selenium	mg/L	ND	10	10	10.1	10.3	100	102	75-125	1	20	
Silver	mg/L	ND	5	5	5.3	5.3	106	106	75-125	0	20	

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QUALITY CONTROL DATA

Project: RKA7L1RA
Pace Project No.: 6055732

QC Batch: MERP/3402
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury TCLP
Associated Lab Samples: 6055732001

METHOD BLANK: 458968
Matrix: Water
Associated Lab Samples: 6055732001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	2.0	03/23/09 16:32	

LABORATORY CONTROL SAMPLE: 458969

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.2	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 458971 458970

Parameter	Units	6055281001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	15	15	15.3	15.3	102	102	75-125	0	19	

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QUALIFIERS

Project: RKA7L1RA
Pace Project No.: 6055732

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

U - Indicates the compound was analyzed for, but not detected.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: RKA7L1RA
Pace Project No.: 6055732

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
6055732001	**4262-1**	EPA 3010	MPRP/8536	EPA 6010	ICP/7533
6055732001	**4262-1**	EPA 7470	MERP/3402	EPA 7470	MERC/3375

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Sample Condition Upon Receipt

Pace Analytical® www.pacelabs.com

Client Name: EPA Project # 6055732

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace Other _____

Tracking #: _____

Optional: Proj. Due Date: 3/23 Proj. Name: RICATLIRA

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☑ no

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other _____

Thermometer Used T-142 T-168 Type of Ice: Wet Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 1.6°C Biological Tissue is Frozen: Yes No

Date and Initials of person examining contents: 3/19/09 11:29 (KH)

Temp should be above freezing to 6°C

				Comments:
Chain of Custody Present:	☑Yes	☐No	☐N/A	1. No date/time on COC
Chain of Custody Filled Out:	☑Yes	☐No	☐N/A	2. From sample label:
Chain of Custody Relinquished:	☑Yes	☐No	☐N/A	3. 3/3/09 09:40
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☑Yes	☐No	☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes	☑No	☐N/A	6.
Rush Turn Around Time Requested:	☑Yes	☐No	☐N/A	7. 3 day
Sufficient Volume:	☑Yes	☐No	☐N/A	8.
Correct Containers Used:	☑Yes	☐No	☐N/A	9.
-Pace Containers Used:	☐Yes	☑No	☐N/A	
Containers Intact:	☑Yes	☐No	☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11.
Sample Labels match COC:	☑Yes	☐No	☐N/A	12.
-Includes date/time/ID/Analysis Matrix: SC				
All containers needing preservation have been checked.	☐Yes	☐No	☑N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes	☐No	☐N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes	☐No		Initial when completed KH Lot # of added preservative
Samples checked for dechlorination:	☐Yes	☐No	☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes	☐No	☑N/A	15.
Trip Blank Present:	☐Yes	☑No	☐N/A	16.
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A	
Pace Trip Blank Lot # (if purchased): _____				

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: KH **Date:** 3/19

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

CHAIN OF CUSTODY RECORD
ENVIRONMENTAL PROTECTION AGENCY REGION VII

ACTIVITY LEADER(Print)	NAME OF SURVEY OR ACTIVITY	DATE OF COLLECTION (DAY / MONTH / YEAR)	SHEET
DON LINNINGER	ASR 4262	03 03 09	1 of 1

CONTENTS OF SHIPMENT PROJECT ID RKA7LIRA 6055732

SAMPLE NUMBER	TYPE OF CONTAINERS: CUBITAINER	BOTTLE (8oz)	BOTTLE	BOTTLE	VOA SET (2 VIALS EA)	SAMPLED MEDIA: water	soil	sediment	dust	other	RECEIVING LABORATORY REMARKS/OTHER INFORMATION (condition of samples upon receipt, other sample numbers, etc.)
	NUMBERS OF CONTAINERS PER SAMPLE NUMBER										
4262-1		1					X				Sample collected @
1 WEEK											3.5' BGS
											N 39.73578
											W 094.27386
											TCLP for
											RCRA metals
											72 hr TAT

DESCRIPTION OF SHIPMENT	MODE OF SHIPMENT
____ PIECE(S) CONSISTING OF ____ BOX(ES)	____ COMMERCIAL CARRIER: ____
1 ICE CHEST(S); OTHER ____	____ COURIER
	X SAMPLER CONVEYED ____ (SHIPPING DOCUMENT NUMBER)

PERSONNEL CUSTODY RECORD

RELINQUISHED BY (SAMPLER)	DATE	TIME	RECEIVED BY	REASON FOR CHANGE OF CUSTODY
[signature] ☐ SEALED ☐ UNSEALED	3/19/09	1120	[signature] 3/19/09 ☐ SEALED ☐ UNSEALED	11:20 1.6°C
RELINQUISHED BY ☐ SEALED ☐ UNSEALED	DATE	TIME	RECEIVED BY ☐ SEALED ☐ UNSEALED	REASON FOR CHANGE OF CUSTODY
RELINQUISHED BY ☐ SEALED ☐ UNSEALED	DATE	TIME	RECEIVED BY ☐ SEALED ☐ UNSEALED	REASON FOR CHANGE OF CUSTODY

ASR_Numl	Sample_Nu	QC_Code	Analysis_R	Analysis_N	Analyte_Na	Units	Final_Resu	Detection_
4262	1	__	1	Formaldeh	Formaldeh	mg/kg	7.5	UJ
4262	1	__	1	Mercury in	Mercury	mg/kg	0.133	
4262	1	__	1	Metals in S	Aluminum	mg/kg	14300	
4262	1	__	1	Metals in S	Antimony	mg/kg	170	
4262	1	__	1	Metals in S	Arsenic	mg/kg	1710	
4262	1	__	1	Metals in S	Barium	mg/kg	316	
4262	1	__	1	Metals in S	Beryllium	mg/kg	2.2	
4262	1	__	1	Metals in S	Cadmium	mg/kg	33.4	
4262	1	__	1	Metals in S	Calcium	mg/kg	81200	
4262	1	__	1	Metals in S	Chromium	mg/kg	6.1	
4262	1	__	1	Metals in S	Cobalt	mg/kg	4.2	
4262	1	__	1	Metals in S	Copper	mg/kg	84.8	
4262	1	__	1	Metals in S	Iron	mg/kg	9890	
4262	1	__	1	Metals in S	Lead	mg/kg	108000	
4262	1	__	1	Metals in S	Magnesium	mg/kg	12300	
4262	1	__	1	Metals in S	Manganese	mg/kg	3060	
4262	1	__	1	Metals in S	Molybdenu	mg/kg	6.0	
4262	1	__	1	Metals in S	Nickel	mg/kg	8.5	
4262	1	__	1	Metals in S	Potassium	mg/kg	3970	
4262	1	__	1	Metals in S	Selenium	mg/kg	30.7	
4262	1	__	1	Metals in S	Silver	mg/kg	203	
4262	1	__	1	Metals in S	Sodium	mg/kg	5760	
4262	1	__	1	Metals in S	Thallium	mg/kg	16.6	U
4262	1	__	1	Metals in S	Vanadium	mg/kg	8.9	
4262	1	__	1	Metals in S	Zinc	mg/kg	116000	
4262	1	__	1	PCBs in Sc	Aroclor 101	ug/kg	33	U
4262	1	__	1	PCBs in Sc	Aroclor 122	ug/kg	33	U
4262	1	__	1	PCBs in Sc	Aroclor 123	ug/kg	33	U
4262	1	__	1	PCBs in Sc	Aroclor 124	ug/kg	33	U
4262	1	__	1	PCBs in Sc	Aroclor 124	ug/kg	33	U
4262	1	__	1	PCBs in Sc	Aroclor 125	ug/kg	16	U
4262	1	__	1	PCBs in Sc	Aroclor 126	ug/kg	16	U
4262	1	__	1	Percent So	Solids, per	%	60.1	
4262	1	__	1	Semi-Volat	Acenaphth	ug/kg	260	U
4262	1	__	1	Semi-Volat	Acenaphth	ug/kg	260	U
4262	1	__	1	Semi-Volat	Anthracene	ug/kg	280	
4262	1	__	1	Semi-Volat	Benzo(a)ar	ug/kg	260	U
4262	1	__	1	Semi-Volat	Benzo(a)py	ug/kg	260	U
4262	1	__	1	Semi-Volat	Benzo(b)flu	ug/kg	260	U
4262	1	__	1	Semi-Volat	Benzo(g,h,	ug/kg	260	U
4262	1	__	1	Semi-Volat	Benzo(k)flu	ug/kg	260	U
4262	1	__	1	Semi-Volat	Benzoic ac	ug/kg	1300	U
4262	1	__	1	Semi-Volat	Benzyl alco	ug/kg	660	U
4262	1	__	1	Semi-Volat	bis(2-Chlor	ug/kg	260	U
4262	1	__	1	Semi-Volat	bis(2-Chlor	ug/kg	260	U
4262	1	__	1	Semi-Volat	bis(2-Chlor	ug/kg	260	U
4262	1	__	1	Semi-Volat	bis(2-Ethyll	ug/kg	660	U
4262	1	__	1	Semi-Volat	4-Bromoph	ug/kg	260	U
4262	1	__	1	Semi-Volat	Butylbenzy	ug/kg	660	U
4262	1	__	1	Semi-Volat	Carbazole	ug/kg	660	U
4262	1	__	1	Semi-Volat	4-Chloro-3-	ug/kg	660	U

4262	1	__	1	Semi-Volat	4-Chloroan	ug/kg	1300	UJ
4262	1	__	1	Semi-Volat	2-Chlorona	ug/kg	260	U
4262	1	__	1	Semi-Volat	2-Chloroph	ug/kg	660	U
4262	1	__	1	Semi-Volat	4-Chloroph	ug/kg	260	U
4262	1	__	1	Semi-Volat	Chrysene	ug/kg	350	
4262	1	__	1	Semi-Volat	Di-n-butylp	ug/kg	660	U
4262	1	__	1	Semi-Volat	Di-n-octylp	ug/kg	660	U
4262	1	__	1	Semi-Volat	Dibenz(a,h	ug/kg	260	U
4262	1	__	1	Semi-Volat	Dibenzofur	ug/kg	260	U
4262	1	__	1	Semi-Volat	1,2-Dichlor	ug/kg	260	U
4262	1	__	1	Semi-Volat	1,3-Dichlor	ug/kg	260	UJ
4262	1	__	1	Semi-Volat	1,4-Dichlor	ug/kg	260	U
4262	1	__	1	Semi-Volat	3,3'-Dichlo	ug/kg	1300	U
4262	1	__	1	Semi-Volat	2,4-Dichlor	ug/kg	660	U
4262	1	__	1	Semi-Volat	Diethylphth	ug/kg	260	U
4262	1	__	1	Semi-Volat	2,4-Dimeth	ug/kg	660	UJ
4262	1	__	1	Semi-Volat	Dimethylph	ug/kg	260	U
4262	1	__	1	Semi-Volat	4,6-Dinitro-	ug/kg	1300	U
4262	1	__	1	Semi-Volat	2,4-Dinitro	ug/kg	1300	U
4262	1	__	1	Semi-Volat	2,4-Dinitrot	ug/kg	260	U
4262	1	__	1	Semi-Volat	2,6-Dinitrot	ug/kg	260	U
4262	1	__	1	Semi-Volat	Fluoranthe	ug/kg	1000	
4262	1	__	1	Semi-Volat	Fluorene	ug/kg	260	U
4262	1	__	1	Semi-Volat	Hexachlorc	ug/kg	260	U
4262	1	__	1	Semi-Volat	Hexachlorc	ug/kg	260	U
4262	1	__	1	Semi-Volat	Hexachlorc	ug/kg	260	U
4262	1	__	1	Semi-Volat	Hexachlorc	ug/kg	260	UJ
4262	1	__	1	Semi-Volat	Indeno(1,2	ug/kg	260	U
4262	1	__	1	Semi-Volat	Isophorone	ug/kg	260	U
4262	1	__	1	Semi-Volat	2-Methylna	ug/kg	260	U
4262	1	__	1	Semi-Volat	2-Methylph	ug/kg	660	U
4262	1	__	1	Semi-Volat	4-Methylph	ug/kg	660	U
4262	1	__	1	Semi-Volat	Naphthaler	ug/kg	260	U
4262	1	__	1	Semi-Volat	2-Nitroanili	ug/kg	660	U
4262	1	__	1	Semi-Volat	3-Nitroanili	ug/kg	660	UJ
4262	1	__	1	Semi-Volat	4-Nitroanili	ug/kg	1300	U
4262	1	__	1	Semi-Volat	Nitrobenze	ug/kg	260	U
4262	1	__	1	Semi-Volat	2-Nitrophe	ug/kg	660	U
4262	1	__	1	Semi-Volat	4-Nitrophe	ug/kg	1300	U
4262	1	__	1	Semi-Volat	N-nitroso-d	ug/kg	660	U
4262	1	__	1	Semi-Volat	N-nitrosodi	ug/kg	260	U
4262	1	__	1	Semi-Volat	Pentachlor	ug/kg	660	U
4262	1	__	1	Semi-Volat	Phenanthre	ug/kg	1100	
4262	1	__	1	Semi-Volat	Phenol	ug/kg	260	U
4262	1	__	1	Semi-Volat	Pyrene	ug/kg	980	
4262	1	__	1	Semi-Volat	1,2,4-Trichl	ug/kg	260	UJ
4262	1	__	1	Semi-Volat	2,4,5-Trichl	ug/kg	660	U
4262	1	__	1	Semi-Volat	2,4,6-Trichl	ug/kg	660	U
4262	1	__	1	Semi-Volat	TPH DRO	mg/kg	176	
4262	1	__	1	Semi-Volat	TPH ORO	mg/kg	366	
4262	1	__	1	TPH Volati	Purgeable	ug/kg	12	UJ
4262	1	__	1	VOC's in S	Acetone	ug/kg	66	

4262	1	__	1	VOC's in S	Benzene	ug/kg	1.6	UJ
4262	1	__	1	VOC's in S	Bromodichl	ug/kg	2.5	UJ
4262	1	__	1	VOC's in S	Bromoform	ug/kg	2.0	UJ
4262	1	__	1	VOC's in S	Bromometh	ug/kg	2.9	UJ
4262	1	__	1	VOC's in S	2-Butanone	ug/kg	13	UJ
4262	1	__	1	VOC's in S	Carbon Dis	ug/kg	5.7	J
4262	1	__	1	VOC's in S	Carbon Tet	ug/kg	2.4	UJ
4262	1	__	1	VOC's in S	Chlorobenz	ug/kg	2.0	UJ
4262	1	__	1	VOC's in S	Chloroetha	ug/kg	3.6	UJ
4262	1	__	1	VOC's in S	Chloroform	ug/kg	2.6	UJ
4262	1	__	1	VOC's in S	Chlorometh	ug/kg	4.7	UJ
4262	1	__	1	VOC's in S	Cyclohexar	ug/kg	2.0	J
4262	1	__	1	VOC's in S	1,2-Dibrom	ug/kg	4.7	UJ
4262	1	__	1	VOC's in S	Dibromoch	ug/kg	1.7	UJ
4262	1	__	1	VOC's in S	1,2-Dibrom	ug/kg	2.3	UJ
4262	1	__	1	VOC's in S	1,2-Dichlor	ug/kg	2.4	UJ
4262	1	__	1	VOC's in S	1,3-Dichlor	ug/kg	2.4	UJ
4262	1	__	1	VOC's in S	1,4-Dichlor	ug/kg	2.2	UJ
4262	1	__	1	VOC's in S	Dichlorodifl	ug/kg	3.8	UJ
4262	1	__	1	VOC's in S	1,1-Dichlor	ug/kg	2.8	UJ
4262	1	__	1	VOC's in S	1,2-Dichlor	ug/kg	2.2	UJ
4262	1	__	1	VOC's in S	1,1-Dichlor	ug/kg	2.1	UJ
4262	1	__	1	VOC's in S	cis-1,2-Dicl	ug/kg	1.6	UJ
4262	1	__	1	VOC's in S	trans-1,2-D	ug/kg	2.2	UJ
4262	1	__	1	VOC's in S	1,2-Dichlor	ug/kg	2.0	UJ
4262	1	__	1	VOC's in S	cis-1,3-Dicl	ug/kg	2.1	UJ
4262	1	__	1	VOC's in S	trans-1,3-D	ug/kg	2.0	UJ
4262	1	__	1	VOC's in S	Ethyl Benz	ug/kg	2.4	UJ
4262	1	__	1	VOC's in S	2-Hexanon	ug/kg	8.3	UJ
4262	1	__	1	VOC's in S	Isopropylbe	ug/kg	1.5	UJ
4262	1	__	1	VOC's in S	Methyl Ace	ug/kg	2.3	UJ
4262	1	__	1	VOC's in S	Methyl tert-	ug/kg	1.4	UJ
4262	1	__	1	VOC's in S	Methylcycl	ug/kg	1.7	UJ
4262	1	__	1	VOC's in S	Methylene	ug/kg	1.8	UJ
4262	1	__	1	VOC's in S	4-Methyl-2-	ug/kg	3.0	UJ
4262	1	__	1	VOC's in S	Naphthaler	ug/kg	13	UJ
4262	1	__	1	VOC's in S	Styrene	ug/kg	2.3	UJ
4262	1	__	1	VOC's in S	1,1,2,2-Tet	ug/kg	3.0	UJ
4262	1	__	1	VOC's in S	Tetrachlorc	ug/kg	2.2	UJ
4262	1	__	1	VOC's in S	Toluene	ug/kg	2.0	UJ
4262	1	__	1	VOC's in S	1,2,3-Trichl	ug/kg	5.9	UJ
4262	1	__	1	VOC's in S	1,2,4-Trichl	ug/kg	4.4	UJ
4262	1	__	1	VOC's in S	1,1,1-Trichl	ug/kg	1.5	UJ
4262	1	__	1	VOC's in S	1,1,2-Trichl	ug/kg	1.9	UJ
4262	1	__	1	VOC's in S	Trichloroetl	ug/kg	2.0	UJ
4262	1	__	1	VOC's in S	Trichloroflu	ug/kg	2.5	UJ
4262	1	__	1	VOC's in S	1,1,2-Trichl	ug/kg	2.2	UJ
4262	1	__	1	VOC's in S	Vinyl Chlor	ug/kg	2.2	UJ
4262	1	__	1	VOC's in S	m and/or p	ug/kg	5.5	J
4262	1	__	1	VOC's in S	o-Xylene	ug/kg	2.8	UJ
4262	2	__	1	Formaldeh	Formaldeh	mg/kg	5.5	U
4262	2	__	1	Mercury in	Mercury	mg/kg	0.0488	

4262	2	__	1	Metals in S	Aluminum	mg/kg	22900	
4262	2	__	1	Metals in S	Antimony	mg/kg	2.7	UJ
4262	2	__	1	Metals in S	Arsenic	mg/kg	11.9	
4262	2	__	1	Metals in S	Barium	mg/kg	255	
4262	2	__	1	Metals in S	Beryllium	mg/kg	1.3	U
4262	2	__	1	Metals in S	Cadmium	mg/kg	2.1	
4262	2	__	1	Metals in S	Calcium	mg/kg	5320	
4262	2	__	1	Metals in S	Chromium	mg/kg	24.2	
4262	2	__	1	Metals in S	Cobalt	mg/kg	11.9	
4262	2	__	1	Metals in S	Copper	mg/kg	27.2	
4262	2	__	1	Metals in S	Iron	mg/kg	30200	
4262	2	__	1	Metals in S	Lead	mg/kg	146	J
4262	2	__	1	Metals in S	Magnesium	mg/kg	5450	
4262	2	__	1	Metals in S	Manganese	mg/kg	592	
4262	2	__	1	Metals in S	Molybdenu	mg/kg	3.9	
4262	2	__	1	Metals in S	Nickel	mg/kg	31.3	
4262	2	__	1	Metals in S	Potassium	mg/kg	1930	
4262	2	__	1	Metals in S	Selenium	mg/kg	13.3	U
4262	2	__	1	Metals in S	Silver	mg/kg	2.1	U
4262	2	__	1	Metals in S	Sodium	mg/kg	1320	
4262	2	__	1	Metals in S	Thallium	mg/kg	13.3	U
4262	2	__	1	Metals in S	Vanadium	mg/kg	47.1	
4262	2	__	1	Metals in S	Zinc	mg/kg	165	J
4262	2	__	1	PCBs in Sc	Aroclor 101	ug/kg	26	U
4262	2	__	1	PCBs in Sc	Aroclor 122	ug/kg	26	U
4262	2	__	1	PCBs in Sc	Aroclor 123	ug/kg	26	U
4262	2	__	1	PCBs in Sc	Aroclor 124	ug/kg	26	U
4262	2	__	1	PCBs in Sc	Aroclor 124	ug/kg	26	U
4262	2	__	1	PCBs in Sc	Aroclor 125	ug/kg	13	U
4262	2	__	1	PCBs in Sc	Aroclor 126	ug/kg	13	U
4262	2	__	1	Percent So	Solids, per	%	75.1	
4262	2	__	1	Semi-Volat	Acenaphth	ug/kg	100	U
4262	2	__	1	Semi-Volat	Acenaphth	ug/kg	100	U
4262	2	__	1	Semi-Volat	Anthracene	ug/kg	100	U
4262	2	__	1	Semi-Volat	Benzo(a)ar	ug/kg	100	U
4262	2	__	1	Semi-Volat	Benzo(a)py	ug/kg	100	U
4262	2	__	1	Semi-Volat	Benzo(b)flu	ug/kg	100	U
4262	2	__	1	Semi-Volat	Benzo(g,h,	ug/kg	100	U
4262	2	__	1	Semi-Volat	Benzo(k)flu	ug/kg	100	U
4262	2	__	1	Semi-Volat	Benzoic ac	ug/kg	520	U
4262	2	__	1	Semi-Volat	Benzyl alco	ug/kg	260	U
4262	2	__	1	Semi-Volat	bis(2-Chlor	ug/kg	100	U
4262	2	__	1	Semi-Volat	bis(2-Chlor	ug/kg	100	U
4262	2	__	1	Semi-Volat	bis(2-Chlor	ug/kg	100	U
4262	2	__	1	Semi-Volat	bis(2-Ethyll	ug/kg	260	U
4262	2	__	1	Semi-Volat	4-Bromoph	ug/kg	100	U
4262	2	__	1	Semi-Volat	Butylbenzy	ug/kg	260	U
4262	2	__	1	Semi-Volat	Carbazole	ug/kg	260	U
4262	2	__	1	Semi-Volat	4-Chloro-3-	ug/kg	260	U
4262	2	__	1	Semi-Volat	4-Chloroan	ug/kg	520	UJ
4262	2	__	1	Semi-Volat	2-Chlorona	ug/kg	100	U
4262	2	__	1	Semi-Volat	2-Chloroph	ug/kg	260	U

4262	2	__	1	Semi-Volat	4-Chloroph	ug/kg	100	U
4262	2	__	1	Semi-Volat	Chrysene	ug/kg	100	U
4262	2	__	1	Semi-Volat	Di-n-butylp	ug/kg	260	U
4262	2	__	1	Semi-Volat	Di-n-octylp	ug/kg	260	U
4262	2	__	1	Semi-Volat	Dibenz(a,h	ug/kg	100	U
4262	2	__	1	Semi-Volat	Dibenzofur	ug/kg	100	U
4262	2	__	1	Semi-Volat	1,2-Dichlor	ug/kg	100	U
4262	2	__	1	Semi-Volat	1,3-Dichlor	ug/kg	100	UJ
4262	2	__	1	Semi-Volat	1,4-Dichlor	ug/kg	100	U
4262	2	__	1	Semi-Volat	3,3'-Dichlo	ug/kg	520	U
4262	2	__	1	Semi-Volat	2,4-Dichlor	ug/kg	260	U
4262	2	__	1	Semi-Volat	Diethylphth	ug/kg	100	U
4262	2	__	1	Semi-Volat	2,4-Dimeth	ug/kg	260	UJ
4262	2	__	1	Semi-Volat	Dimethylph	ug/kg	100	U
4262	2	__	1	Semi-Volat	4,6-Dinitro-	ug/kg	520	U
4262	2	__	1	Semi-Volat	2,4-Dinitrop	ug/kg	520	U
4262	2	__	1	Semi-Volat	2,4-Dinitrot	ug/kg	100	U
4262	2	__	1	Semi-Volat	2,6-Dinitrot	ug/kg	100	U
4262	2	__	1	Semi-Volat	Fluoranthe	ug/kg	100	U
4262	2	__	1	Semi-Volat	Fluorene	ug/kg	100	U
4262	2	__	1	Semi-Volat	Hexachlorc	ug/kg	100	U
4262	2	__	1	Semi-Volat	Hexachlorc	ug/kg	100	U
4262	2	__	1	Semi-Volat	Hexachlorc	ug/kg	100	U
4262	2	__	1	Semi-Volat	Hexachlorc	ug/kg	100	UJ
4262	2	__	1	Semi-Volat	Indeno(1,2	ug/kg	100	U
4262	2	__	1	Semi-Volat	Isophorone	ug/kg	100	U
4262	2	__	1	Semi-Volat	2-Methylna	ug/kg	100	U
4262	2	__	1	Semi-Volat	2-Methylph	ug/kg	260	U
4262	2	__	1	Semi-Volat	4-Methylph	ug/kg	260	U
4262	2	__	1	Semi-Volat	Naphthaler	ug/kg	100	U
4262	2	__	1	Semi-Volat	2-Nitroanili	ug/kg	260	U
4262	2	__	1	Semi-Volat	3-Nitroanili	ug/kg	260	UJ
4262	2	__	1	Semi-Volat	4-Nitroanili	ug/kg	520	U
4262	2	__	1	Semi-Volat	Nitrobenze	ug/kg	100	U
4262	2	__	1	Semi-Volat	2-Nitrophe	ug/kg	260	U
4262	2	__	1	Semi-Volat	4-Nitrophe	ug/kg	520	U
4262	2	__	1	Semi-Volat	N-nitroso-d	ug/kg	260	U
4262	2	__	1	Semi-Volat	N-nitrosodi	ug/kg	100	U
4262	2	__	1	Semi-Volat	Pentachlor	ug/kg	260	U
4262	2	__	1	Semi-Volat	Phenanthre	ug/kg	100	U
4262	2	__	1	Semi-Volat	Phenol	ug/kg	100	U
4262	2	__	1	Semi-Volat	Pyrene	ug/kg	100	U
4262	2	__	1	Semi-Volat	1,2,4-Trichl	ug/kg	100	UJ
4262	2	__	1	Semi-Volat	2,4,5-Trichl	ug/kg	260	U
4262	2	__	1	Semi-Volat	2,4,6-Trichl	ug/kg	260	U
4262	2	__	1	Semi-Volat	TPH DRO	mg/kg	5.5	UJ
4262	2	__	1	Semi-Volat	TPH ORO	mg/kg	92	UJ
4262	2	__	1	TPH Volati	Purgeable	ug/kg	9.7	UJ
4262	2	__	1	VOC's in S	Acetone	ug/kg	19	
4262	2	__	1	VOC's in S	Benzene	ug/kg	0.69	UJ
4262	2	__	1	VOC's in S	Bromodichl	ug/kg	1.0	UJ
4262	2	__	1	VOC's in S	Bromoform	ug/kg	0.83	UJ

4262	2	__	1	VOC's in S	Bromometh	ug/kg	1.2	UJ
4262	2	__	1	VOC's in S	2-Butanone	ug/kg	5.4	UJ
4262	2	__	1	VOC's in S	Carbon Dis	ug/kg	0.84	UJ
4262	2	__	1	VOC's in S	Carbon Tet	ug/kg	1.0	UJ
4262	2	__	1	VOC's in S	Chlorobenz	ug/kg	0.87	UJ
4262	2	__	1	VOC's in S	Chloroetha	ug/kg	1.5	UJ
4262	2	__	1	VOC's in S	Chloroform	ug/kg	1.1	UJ
4262	2	__	1	VOC's in S	Chlorometh	ug/kg	2.0	UJ
4262	2	__	1	VOC's in S	Cyclohexan	ug/kg	0.76	UJ
4262	2	__	1	VOC's in S	1,2-Dibrom	ug/kg	2.0	UJ
4262	2	__	1	VOC's in S	Dibromoch	ug/kg	0.72	UJ
4262	2	__	1	VOC's in S	1,2-Dibrom	ug/kg	0.97	UJ
4262	2	__	1	VOC's in S	1,2-Dichlor	ug/kg	1.0	UJ
4262	2	__	1	VOC's in S	1,3-Dichlor	ug/kg	1.0	UJ
4262	2	__	1	VOC's in S	1,4-Dichlor	ug/kg	0.92	UJ
4262	2	__	1	VOC's in S	Dichlorodifl	ug/kg	1.6	UJ
4262	2	__	1	VOC's in S	1,1-Dichlor	ug/kg	1.2	UJ
4262	2	__	1	VOC's in S	1,2-Dichlor	ug/kg	0.92	UJ
4262	2	__	1	VOC's in S	1,1-Dichlor	ug/kg	0.91	UJ
4262	2	__	1	VOC's in S	cis-1,2-Dicl	ug/kg	0.69	UJ
4262	2	__	1	VOC's in S	trans-1,2-D	ug/kg	0.92	UJ
4262	2	__	1	VOC's in S	1,2-Dichlor	ug/kg	0.87	UJ
4262	2	__	1	VOC's in S	cis-1,3-Dicl	ug/kg	0.88	UJ
4262	2	__	1	VOC's in S	trans-1,3-D	ug/kg	0.86	UJ
4262	2	__	1	VOC's in S	Ethyl Benz	ug/kg	1.0	UJ
4262	2	__	1	VOC's in S	2-Hexanon	ug/kg	3.5	UJ
4262	2	__	1	VOC's in S	Isopropylbe	ug/kg	0.64	UJ
4262	2	__	1	VOC's in S	Methyl Ace	ug/kg	0.98	UJ
4262	2	__	1	VOC's in S	Methyl tert-	ug/kg	0.59	UJ
4262	2	__	1	VOC's in S	Methylcyclo	ug/kg	0.73	UJ
4262	2	__	1	VOC's in S	Methylene	ug/kg	0.78	UJ
4262	2	__	1	VOC's in S	4-Methyl-2-	ug/kg	1.3	UJ
4262	2	__	1	VOC's in S	Naphthaler	ug/kg	5.7	UJ
4262	2	__	1	VOC's in S	Styrene	ug/kg	1.0	UJ
4262	2	__	1	VOC's in S	1,1,2,2-Tet	ug/kg	1.3	UJ
4262	2	__	1	VOC's in S	Tetrachloro	ug/kg	0.93	UJ
4262	2	__	1	VOC's in S	Toluene	ug/kg	0.86	UJ
4262	2	__	1	VOC's in S	1,2,3-Trichl	ug/kg	2.5	UJ
4262	2	__	1	VOC's in S	1,2,4-Trichl	ug/kg	1.9	UJ
4262	2	__	1	VOC's in S	1,1,1-Trichl	ug/kg	0.66	UJ
4262	2	__	1	VOC's in S	1,1,2-Trichl	ug/kg	0.81	UJ
4262	2	__	1	VOC's in S	Trichloroetl	ug/kg	0.83	UJ
4262	2	__	1	VOC's in S	Trichloroflu	ug/kg	1.1	UJ
4262	2	__	1	VOC's in S	1,1,2-Trichl	ug/kg	0.93	UJ
4262	2	__	1	VOC's in S	Vinyl Chlor	ug/kg	0.96	UJ
4262	2	__	1	VOC's in S	m and/or p	ug/kg	4.6	J
4262	2	__	1	VOC's in S	o-Xylene	ug/kg	1.5	J
4262	3	__	1	Formaldeh	Formaldeh	mg/kg	14	
4262	3	__	1	Mercury in	Mercury	mg/kg	0.0558	
4262	3	__	1	Metals in S	Aluminum	mg/kg	21400	
4262	3	__	1	Metals in S	Antimony	mg/kg	2.7	U
4262	3	__	1	Metals in S	Arsenic	mg/kg	15.5	

4262	3	__	1	Metals in S	Barium	mg/kg	415	
4262	3	__	1	Metals in S	Beryllium	mg/kg	1.4	U
4262	3	__	1	Metals in S	Cadmium	mg/kg	2.9	
4262	3	__	1	Metals in S	Calcium	mg/kg	5430	
4262	3	__	1	Metals in S	Chromium	mg/kg	21.1	
4262	3	__	1	Metals in S	Cobalt	mg/kg	13.3	
4262	3	__	1	Metals in S	Copper	mg/kg	31.2	
4262	3	__	1	Metals in S	Iron	mg/kg	33700	
4262	3	__	1	Metals in S	Lead	mg/kg	165	
4262	3	__	1	Metals in S	Magnesium	mg/kg	5450	
4262	3	__	1	Metals in S	Manganese	mg/kg	908	
4262	3	__	1	Metals in S	Molybdenu	mg/kg	2.7	U
4262	3	__	1	Metals in S	Nickel	mg/kg	40.1	
4262	3	__	1	Metals in S	Potassium	mg/kg	1990	
4262	3	__	1	Metals in S	Selenium	mg/kg	13.5	U
4262	3	__	1	Metals in S	Silver	mg/kg	2.7	U
4262	3	__	1	Metals in S	Sodium	mg/kg	876	
4262	3	__	1	Metals in S	Thallium	mg/kg	13.5	U
4262	3	__	1	Metals in S	Vanadium	mg/kg	47.7	
4262	3	__	1	Metals in S	Zinc	mg/kg	308	
4262	3	__	1	PCBs in Sc	Aroclor 101	ug/kg	27	U
4262	3	__	1	PCBs in Sc	Aroclor 122	ug/kg	27	U
4262	3	__	1	PCBs in Sc	Aroclor 123	ug/kg	27	U
4262	3	__	1	PCBs in Sc	Aroclor 124	ug/kg	27	U
4262	3	__	1	PCBs in Sc	Aroclor 124	ug/kg	27	U
4262	3	__	1	PCBs in Sc	Aroclor 125	ug/kg	13	U
4262	3	__	1	PCBs in Sc	Aroclor 126	ug/kg	13	U
4262	3	__	1	Percent So	Solids, per	%	74.0	
4262	3	__	1	Semi-Volat	Acenaphth	ug/kg	110	U
4262	3	__	1	Semi-Volat	Acenaphth	ug/kg	110	U
4262	3	__	1	Semi-Volat	Anthracene	ug/kg	110	U
4262	3	__	1	Semi-Volat	Benzo(a)ar	ug/kg	110	U
4262	3	__	1	Semi-Volat	Benzo(a)py	ug/kg	110	U
4262	3	__	1	Semi-Volat	Benzo(b)flu	ug/kg	110	U
4262	3	__	1	Semi-Volat	Benzo(g,h,	ug/kg	110	U
4262	3	__	1	Semi-Volat	Benzo(k)flu	ug/kg	110	U
4262	3	__	1	Semi-Volat	Benzoic ac	ug/kg	540	U
4262	3	__	1	Semi-Volat	Benzyl alco	ug/kg	270	U
4262	3	__	1	Semi-Volat	bis(2-Chlor	ug/kg	110	U
4262	3	__	1	Semi-Volat	bis(2-Chlor	ug/kg	110	U
4262	3	__	1	Semi-Volat	bis(2-Chlor	ug/kg	110	U
4262	3	__	1	Semi-Volat	bis(2-Ethyll	ug/kg	270	U
4262	3	__	1	Semi-Volat	4-Bromoph	ug/kg	110	U
4262	3	__	1	Semi-Volat	Butylbenzy	ug/kg	270	U
4262	3	__	1	Semi-Volat	Carbazole	ug/kg	270	U
4262	3	__	1	Semi-Volat	4-Chloro-3-	ug/kg	270	U
4262	3	__	1	Semi-Volat	4-Chloroan	ug/kg	540	UJ
4262	3	__	1	Semi-Volat	2-Chlorona	ug/kg	110	U
4262	3	__	1	Semi-Volat	2-Chloroph	ug/kg	270	U
4262	3	__	1	Semi-Volat	4-Chloroph	ug/kg	110	U
4262	3	__	1	Semi-Volat	Chrysene	ug/kg	110	U
4262	3	__	1	Semi-Volat	Di-n-butylp	ug/kg	270	U

4262	3	__	1	Semi-Volat	Di-n-octylp	ug/kg	270	U
4262	3	__	1	Semi-Volat	Dibenz(a,h	ug/kg	110	U
4262	3	__	1	Semi-Volat	Dibenzofur	ug/kg	110	U
4262	3	__	1	Semi-Volat	1,2-Dichlor	ug/kg	110	U
4262	3	__	1	Semi-Volat	1,3-Dichlor	ug/kg	110	UJ
4262	3	__	1	Semi-Volat	1,4-Dichlor	ug/kg	110	U
4262	3	__	1	Semi-Volat	3,3'-Dichlo	ug/kg	540	U
4262	3	__	1	Semi-Volat	2,4-Dichlor	ug/kg	270	U
4262	3	__	1	Semi-Volat	Diethylphth	ug/kg	110	U
4262	3	__	1	Semi-Volat	2,4-Dimeth	ug/kg	270	UJ
4262	3	__	1	Semi-Volat	Dimethylph	ug/kg	110	U
4262	3	__	1	Semi-Volat	4,6-Dinitro-	ug/kg	540	U
4262	3	__	1	Semi-Volat	2,4-Dinitrop	ug/kg	540	U
4262	3	__	1	Semi-Volat	2,4-Dinitrot	ug/kg	110	U
4262	3	__	1	Semi-Volat	2,6-Dinitrot	ug/kg	110	U
4262	3	__	1	Semi-Volat	Fluoranthe	ug/kg	110	U
4262	3	__	1	Semi-Volat	Fluorene	ug/kg	110	U
4262	3	__	1	Semi-Volat	Hexachlorc	ug/kg	110	U
4262	3	__	1	Semi-Volat	Hexachlorc	ug/kg	110	U
4262	3	__	1	Semi-Volat	Hexachlorc	ug/kg	110	U
4262	3	__	1	Semi-Volat	Hexachlorc	ug/kg	110	UJ
4262	3	__	1	Semi-Volat	Indeno(1,2	ug/kg	110	U
4262	3	__	1	Semi-Volat	Isophorone	ug/kg	110	U
4262	3	__	1	Semi-Volat	2-Methylna	ug/kg	110	UJ
4262	3	__	1	Semi-Volat	2-Methylph	ug/kg	270	U
4262	3	__	1	Semi-Volat	4-Methylph	ug/kg	270	U
4262	3	__	1	Semi-Volat	Naphthaler	ug/kg	110	U
4262	3	__	1	Semi-Volat	2-Nitroanili	ug/kg	270	U
4262	3	__	1	Semi-Volat	3-Nitroanili	ug/kg	270	UJ
4262	3	__	1	Semi-Volat	4-Nitroanili	ug/kg	540	U
4262	3	__	1	Semi-Volat	Nitrobenze	ug/kg	110	U
4262	3	__	1	Semi-Volat	2-Nitrophe	ug/kg	270	U
4262	3	__	1	Semi-Volat	4-Nitrophe	ug/kg	540	U
4262	3	__	1	Semi-Volat	N-nitroso-d	ug/kg	270	U
4262	3	__	1	Semi-Volat	N-nitrosodi	ug/kg	110	U
4262	3	__	1	Semi-Volat	Pentachlor	ug/kg	270	U
4262	3	__	1	Semi-Volat	Phenanthre	ug/kg	110	U
4262	3	__	1	Semi-Volat	Phenol	ug/kg	110	U
4262	3	__	1	Semi-Volat	Pyrene	ug/kg	110	U
4262	3	__	1	Semi-Volat	1,2,4-Trichl	ug/kg	110	UJ
4262	3	__	1	Semi-Volat	2,4,5-Trichl	ug/kg	270	U
4262	3	__	1	Semi-Volat	2,4,6-Trichl	ug/kg	270	U
4262	3	__	1	Semi-Volat	TPH DRO	mg/kg	5.3	UJ
4262	3	__	1	Semi-Volat	TPH ORO	mg/kg	88.4	UJ
4262	3	__	1	TPH Volati	Purgeable	ug/kg	9.9	UJ
4262	3	__	1	VOC's in S	Acetone	ug/kg	18	
4262	3	__	1	VOC's in S	Benzene	ug/kg	0.82	UJ
4262	3	__	1	VOC's in S	Bromodichl	ug/kg	1.2	UJ
4262	3	__	1	VOC's in S	Bromoform	ug/kg	0.98	UJ
4262	3	__	1	VOC's in S	Bromometh	ug/kg	1.4	UJ
4262	3	__	1	VOC's in S	2-Butanone	ug/kg	6.4	UJ
4262	3	__	1	VOC's in S	Carbon Dis	ug/kg	1.0	UJ

4262	3	__	1	VOC's in S	Carbon Tet	ug/kg	1.2	UJ
4262	3	__	1	VOC's in S	Chlorobenz	ug/kg	1.0	UJ
4262	3	__	1	VOC's in S	Chloroetha	ug/kg	1.8	UJ
4262	3	__	1	VOC's in S	Chloroform	ug/kg	1.3	UJ
4262	3	__	1	VOC's in S	Chlorometh	ug/kg	2.4	UJ
4262	3	__	1	VOC's in S	Cyclohexar	ug/kg	0.89	UJ
4262	3	__	1	VOC's in S	1,2-Dibrom	ug/kg	2.4	UJ
4262	3	__	1	VOC's in S	Dibromoch	ug/kg	0.85	UJ
4262	3	__	1	VOC's in S	1,2-Dibrom	ug/kg	1.1	UJ
4262	3	__	1	VOC's in S	1,2-Dichlor	ug/kg	1.2	UJ
4262	3	__	1	VOC's in S	1,3-Dichlor	ug/kg	1.2	UJ
4262	3	__	1	VOC's in S	1,4-Dichlor	ug/kg	1.1	UJ
4262	3	__	1	VOC's in S	Dichlorodifl	ug/kg	1.9	UJ
4262	3	__	1	VOC's in S	1,1-Dichlor	ug/kg	1.4	UJ
4262	3	__	1	VOC's in S	1,2-Dichlor	ug/kg	1.1	UJ
4262	3	__	1	VOC's in S	1,1-Dichlor	ug/kg	1.1	UJ
4262	3	__	1	VOC's in S	cis-1,2-Dicl	ug/kg	0.82	UJ
4262	3	__	1	VOC's in S	trans-1,2-D	ug/kg	1.1	UJ
4262	3	__	1	VOC's in S	1,2-Dichlor	ug/kg	1.0	UJ
4262	3	__	1	VOC's in S	cis-1,3-Dicl	ug/kg	1.0	UJ
4262	3	__	1	VOC's in S	trans-1,3-D	ug/kg	1.0	UJ
4262	3	__	1	VOC's in S	Ethyl Benz	ug/kg	1.2	UJ
4262	3	__	1	VOC's in S	2-Hexanon	ug/kg	4.2	UJ
4262	3	__	1	VOC's in S	Isopropylbe	ug/kg	0.76	UJ
4262	3	__	1	VOC's in S	Methyl Ace	ug/kg	1.2	UJ
4262	3	__	1	VOC's in S	Methyl tert-	ug/kg	0.70	UJ
4262	3	__	1	VOC's in S	Methylcycl	ug/kg	0.86	UJ
4262	3	__	1	VOC's in S	Methylene	ug/kg	0.92	UJ
4262	3	__	1	VOC's in S	4-Methyl-2-	ug/kg	1.5	UJ
4262	3	__	1	VOC's in S	Naphthaler	ug/kg	6.7	UJ
4262	3	__	1	VOC's in S	Styrene	ug/kg	1.2	UJ
4262	3	__	1	VOC's in S	1,1,2,2-Tet	ug/kg	1.5	UJ
4262	3	__	1	VOC's in S	Tetrachlorc	ug/kg	1.1	UJ
4262	3	__	1	VOC's in S	Toluene	ug/kg	1.0	UJ
4262	3	__	1	VOC's in S	1,2,3-Trichl	ug/kg	3.0	UJ
4262	3	__	1	VOC's in S	1,2,4-Trichl	ug/kg	2.2	UJ
4262	3	__	1	VOC's in S	1,1,1-Trichl	ug/kg	0.77	UJ
4262	3	__	1	VOC's in S	1,1,2-Trichl	ug/kg	0.95	UJ
4262	3	__	1	VOC's in S	Trichloroetl	ug/kg	0.98	UJ
4262	3	__	1	VOC's in S	Trichloroflu	ug/kg	1.3	UJ
4262	3	__	1	VOC's in S	1,1,2-Trichl	ug/kg	1.1	UJ
4262	3	__	1	VOC's in S	Vinyl Chlor	ug/kg	1.1	UJ
4262	3	__	1	VOC's in S	m and/or p	ug/kg	3.8	J
4262	3	__	1	VOC's in S	o-Xylene	ug/kg	1.4	UJ

External_S	Start_Date	Start_Time	End_Date	End_Time	Sampler_N	Location_D	Latitude	Longitude
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	03/03/2009	09:40	03/03/2009	09:40	DLininger	Trench exc	N39.73578	W094.2738
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	03/03/2009	09:40	03/03/2009	09:40	DLininger	Trench exc	N39.73578	W094.2738
	03/03/2009	09:40	03/03/2009	09:40	DLininger	Trench exc	N39.73578	W094.2738
	03/03/2009	09:40	03/03/2009	09:40	DLininger	Trench exc	N39.73578	W094.2738
	03/03/2009	09:40	03/03/2009	09:40	DLininger	Trench exc	N39.73578	W094.2738
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