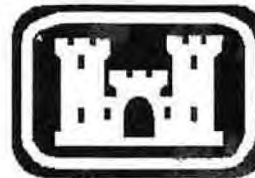




**OHM Remediation
Services Corp.**
A Subsidiary of OHM Corporation



**FINAL
REMOVAL ACTION REPORT
AREE 63BE
FORT DEVENS, MASSACHUSETTS**

Prepared for:

**U.S. Army Corps of Engineers
New England Division
Waltham, Massachusetts
Contract Number DACW45-89-D-0506**

Prepared by:

**OHM Remediation Services Corp.
Hopkinton, Massachusetts
Project Number 16208**

February 15, 1996

Appendix H

Excavated Soil Characterization and Disposal

Appendix H

ASC Analytical Report - Waste Characterization Soil Samples



Analytical Services Corp.

ANALYTICAL REPORT

Client: OHM Remediation Services Corporation
Eastern Region (Hopkinton, MA)

Attn: William Snow
Ron Kenyon
Mike Quinlan

Project: 16208C - USACE; Fort Devens, MA

Sample Type(s): Solid

Analysis Performed: Conventionals, Metals, Organics and
RCRA TCLP Leachate Parameters

Date Sample Received: December 20, 1994

Date Order Received: December 20, 1994

Joblink(s): 617300

This report is "PROPRIETARY AND CONFIDENTIAL" and delivered to, and intended for the exclusive use of the above named client only. Analytical Services Corporation assumes no responsibility or liability for the reliance hereon or use hereof by anyone other than the above named client.

Reviewed and
Approved by:

Thomas E. Gran, Ph.D., Vice President

Date: January 16, 1995

PROJECT NARRATIVE

The following items relate to the samples and analytical data contained in this report.

- o All solid sample results are reported on a "dry weight" basis.
- o The identity of all pesticide and herbicide compounds were confirmed by secondary column analysis.
- o Note any and all comments at the bottom of the tables in Appendix B and/or Appendix C.
- o **ASC** will retain samples for a maximum of thirty (30) days after completion of the analysis, samples will be held for a longer period of time, if appropriate arrangements are made in advance. A nominal disposal charge of \$5.00/sample will be imposed for unreturned samples.
- o The PNA, Method 8100, Analysis was performed by GC/MS rather than GC/FID due to instrument problems. Matrix spike recoveries for this analysis were outside control limits due to matrix interferences. Batch was accepted based on method spike recoveries which were within QC limits.

APPENDIX A
DATA SUMMARY REPORT

NOTE: The Tentatively Identified Volatile (GC/MS) Screen result(s), if applicable, is included in Appendix B.

DATA SUMMARY REPORT

DATE: 01/11/95

PAGE: 1

Company: OHM REMEDIATION SERVICES CORPORATION

Sample Point ID:	EX63BEDP2A	EX63BEDP2B	EX63BEDP2C	EX63BEDP2D	EX63BED2AG
ASC Sample Number:	JN6387	JN6388	JN6389	JN6390	JN6391
Sample Date:	941219	941219	941219	941219	941219
Facility Code:	016208C	016208C	016208C	016208C	016208C

Parameters	Units
------------	-------

Conventional Data (CV10)

Flash Point, Seta Flash	Deg C	>93	>93	>93	>93	-
Reactive Cyanide	mg/kg	<10.0	<10.0	<10.0	<10.0	-
Reactive Sulfide	mg/kg	<20.0	<20.0	<20.0	<20.0	-
Solids, Total	%	91.0	89.8	90.8	91.8	90.0
pH (Electrode)	std	6.03	5.85	6.16	5.92	-

Sample Point ID:	EX63BEDP2A
ASC Sample Number:	JN6387
Sample Date:	941219
Facility Code:	016208C

Parameters	Units
------------	-------

Total Pesticide and PCB Analysis, GC, (GS05)

Aldrin	mg/kg	<.018
Alpha-BHC	mg/kg	<.018
Beta-BHC	mg/kg	<.018
Chlordane	mg/kg	<.178
4,4'-DDD	mg/kg	<.018
4,4'-DDE	mg/kg	<.018
4,4'-DDT	mg/kg	<.018
Delta-BHC	mg/kg	<.018
Dieldrin	mg/kg	<.018
Endosulfan sulfate	mg/kg	<.018
Endosulfan I	mg/kg	<.018
Endosulfan II	mg/kg	<.018
Endrin	mg/kg	<.018
Endrin aldehyde	mg/kg	<.018
Endrin ketone	mg/kg	<.018
Gamma-BHC	mg/kg	<.018
Heptachlor	mg/kg	<.018
Heptachlor epoxide	mg/kg	<.018
Methoxychlor	mg/kg	<.018
Toxaphene	mg/kg	<.357

DATA SUMMARY REPORT

DATE: 01/11/95

PAGE: 2

Company: OHM REMEDIATION SERVICES CORPORATION

Sample Point ID: EX63BEDP2A
ASC Sample Number: JN6387
Sample Date: 941219
Facility Code: 016208C

Parameters Units

Total Pesticide and PCB Analysis, GC, (GS05)

Aroclor 1016	mg/kg	<.178
Aroclor 1221	mg/kg	<.178
Aroclor 1232	mg/kg	<.178
Aroclor 1242	mg/kg	<.178
Aroclor 1248	mg/kg	<.178
Aroclor 1254	mg/kg	<.178
Aroclor 1260	mg/kg	<.178

Priority Pollutant PNA Analysis, GC, (GS16)

Acenaphthene	mg/kg	<.362
Acenaphthylene	mg/kg	<.362
Anthracene	mg/kg	<.362
Benzo(a)anthracene	mg/kg	<.362
Benzo(b)fluoranthene	mg/kg	<.362
Benzo(k)fluoranthene	mg/kg	<.362
Benzo(ghi)perylene	mg/kg	<.362
Benzo(a)pyrene	mg/kg	<.362
Chrysene	mg/kg	<.362
Dibenzo(a,h)anthracene	mg/kg	<.362
Fluoranthene	mg/kg	<.362
Fluorene	mg/kg	.395
Naphthalene	mg/kg	<.362
Phenanthrene	mg/kg	.877
Pyrene	mg/kg	<.362

DATA SUMMARY REPORT

DATE: 01/11/95

PAGE: 3

Company: OHM REMEDIATION SERVICES CORPORATION

Sample Point ID:	EX63BEDP2A	EX63BEDP2B	EX63BEDP2C	EX63BEDP2D
ASC Sample Number:	JN6387	JN6388	JN6389	JN6390
Sample Date:	941219	941219	941219	941219
Facility Code:	016208C	016208C	016208C	016208C

Parameters	Units
------------	-------

RCRA TCLP Leachate Herbicide Analysis, GC, (GS52)

2,4-D	mg/L	<.250	<.250	<.250	<.250
2,4,5-TP (Silvex)	mg/L	<.250	<.250	<.250	<.250

RCRA TCLP Leachate Pesticide Analysis, GC, (GS54)

Chlordane	mg/L	<.020	<.020	<.020	<.020
Endrin	mg/L	<.002	<.002	<.002	<.002
Heptachlor	mg/L	<.002	<.002	<.002	<.002
Heptachlor epoxide	mg/L	<.002	<.002	<.002	<.002
Lindane	mg/L	<.002	<.002	<.002	<.002
Methoxychlor	mg/L	<.002	<.002	<.002	<.002
Toxaphene	mg/L	<.040	<.040	<.040	<.040

Total Petroleum Hydrocarbon Analysis, IR (IR00)

Petroleum Hydrocarbons (IR)	mg/kg	480	461	275	599
-----------------------------	-------	-----	-----	-----	-----

Sample Point ID:	EX63BEDP2A
ASC Sample Number:	JN6387
Sample Date:	941219
Facility Code:	016208C

Parameters	Units
------------	-------

RCRA Total Metals Analysis, (ME50)

Arsenic	mg/kg	15.6
Barium	mg/kg	11.6
Cadmium	mg/kg	<1.00
Chromium	mg/kg	8.98
Lead	mg/kg	7.38
Mercury	mg/kg	<.053
Selenium	mg/kg	<5.00
Silver	mg/kg	<1.00

DATA SUMMARY REPORT

DATE: 01/11/95

PAGE: 4

Company: OHM REMEDIATION SERVICES CORPORATION

Sample Point ID:	EX63BEDP2A	EX63BEDP2B	EX63BEDP2C	EX63BEDP2D
ASC Sample Number:	JN6387	JN6388	JN6389	JN6390
Sample Date:	941219	941219	941219	941219
Facility Code:	016208C	016208C	016208C	016208C

Parameters	Units
------------	-------

RCRA TCLP Leachate Metals Analysis, (ME52)

Arsenic	mg/L	<.100	<.100	<.100	<.100
Barium	mg/L	.453	.321	.349	.579
Cadmium	mg/L	<.005	<.005	<.005	<.005
Chromium	mg/L	<.020	<.020	<.020	<.020
Lead	mg/L	<.100	<.100	<.100	<.100
Mercury	mg/L	<.001	<.001	<.001	<.001
Selenium	mg/L	<.100	<.100	<.100	<.100
Silver	mg/L	<.020	<.020	<.020	<.020
Copper	mg/L	.234	.156	.126	.138
Zinc	mg/L	.213	<.200	<.200	<.200

RCRA TCLP Leachate Base/Neutral/Acid Analysis, MS, (MS52)

2,4-Dinitrotoluene	mg/L	<.100	<.100	<.100	<.100
Hexachlorobenzene	mg/L	<.100	<.100	<.100	<.100
Hexachloroethane	mg/L	<.100	<.100	<.100	<.100
Hexachlorobutadiene	mg/L	<.100	<.100	<.100	<.100
2-Methylphenol	mg/L	<.100	<.100	<.100	<.100
4-Methylphenol	mg/L	.120	<.100	<.100	<.100
Nitrobenzene	mg/L	<.100	<.100	<.100	<.100
Pentachlorophenol	mg/L	<.100	<.100	<.100	<.100
Pyridine	mg/L	.261	<.100	<.100	<.100
2,4,5-Trichlorophenol	mg/L	<.100	<.100	<.100	<.100
2,4,6-Trichlorophenol	mg/L	<.100	<.100	<.100	<.100

DATA SUMMARY REPORT

DATE: 01/11/95

PAGE: 5

Company: OHM REMEDIATION SERVICES CORPORATION

Sample Point ID: EX63BEDP2A EX63BED2AG
 ASC Sample Number: JN6387 JN6391
 Sample Date: 941219 941219
 Facility Code: 016208C 016208C

Parameters Units

Total Volatile Analysis, MS, (MV00)

Acetone	mg/kg	.015	.017
Acrolein	mg/kg	<.027	<.028
Acrylonitrile	mg/kg	<.014	<.014
Benzene	mg/kg	<.005	<.006
Bromoform	mg/kg	<.005	<.006
Carbon disulfide	mg/kg	<.005	<.006
Carbon tetrachloride	mg/kg	<.005	<.006
Chlorobenzene	mg/kg	<.005	<.006
Chlorodibromomethane	mg/kg	<.005	<.006
Chloroethane	mg/kg	<.005	<.006
Chloroform	mg/kg	<.005	<.006
2-Chloroethylvinyl ether	mg/kg	<.005	<.006
Dichlorobromomethane	mg/kg	<.005	<.006
1,1-Dichloroethane	mg/kg	<.005	<.006
1,2-Dichloroethane	mg/kg	<.005	<.006
1,1-Dichloroethylene	mg/kg	<.005	<.006
1,2-Dichloropropane	mg/kg	<.005	<.006
cis-1,3-Dichloropropylene	mg/kg	<.005	<.006
trans-1,3-Dichloropropylene	mg/kg	<.005	<.006
Ethylbenzene	mg/kg	<.005	<.006
2-Hexanone	mg/kg	<.005	<.006
Methyl bromide	mg/kg	<.005	<.006
Methyl chloride	mg/kg	<.005	<.006
Methylene chloride	mg/kg	<.005	<.006
Methyl ethyl ketone	mg/kg	<.005	<.006
Methyl-iso-butyl ketone	mg/kg	<.011	<.011
Styrene	mg/kg	<.005	<.006
1,1,2,2-Tetrachloroethane	mg/kg	<.005	<.006
Tetrachloroethylene	mg/kg	<.005	<.006
Toluene	mg/kg	<.005	<.006
1,1,1-Trichloroethane	mg/kg	<.005	<.006
1,1,2-Trichloroethane	mg/kg	<.005	<.006
Trichloroethylene	mg/kg	<.005	<.006
1,2-Trans-dichloroethylene	mg/kg	<.005	<.006
Vinyl chloride	mg/kg	<.005	<.006

DATA SUMMARY REPORT

DATE: 01/11/95

PAGE: 6

Company: OHM REMEDIATION SERVICES CORPORATION

Sample Point ID: EX63BEDP2A EX63BED2AG
 ASC Sample Number: JN6387 JN6391
 Sample Date: 941219 941219
 Facility Code: 016208C 016208C

Parameters Units

Total Volatile Analysis, MS, (MV00)

Xylenes mg/kg <.005 <.006

Sample Point ID: EX63BEDP2A EX63BEDP2B EX63BEDP2C EX63BEDP2D
 ASC Sample Number: JN6387 JN6388 JN6389 JN6390
 Sample Date: 941219 941219 941219 941219
 Facility Code: 016208C 016208C 016208C 016208C

Parameters Units

RCRA TCLP Leachate (ZHE) Volatile Analysis, MS, (MV50)

Benzene	mg/L	<.125	<.125	<.125	<.125
Carbon tetrachloride	mg/L	<.125	<.125	<.125	<.125
Chlorobenzene	mg/L	<.125	<.125	<.125	<.125
Chloroform	mg/L	<.125	<.125	<.125	<.125
1,4-Dichlorobenzene	mg/L	<.125	<.125	<.125	<.125
1,2-Dichloroethane	mg/L	<.125	<.125	<.125	<.125
1,1-Dichloroethylene	mg/L	<.125	<.125	<.125	<.125
Methyl ethyl ketone	mg/L	<.125	<.125	<.125	<.125
Tetrachloroethylene	mg/L	<.125	<.125	<.125	<.125
Trichloroethylene	mg/L	<.125	<.125	<.125	<.125
Vinyl chloride	mg/L	<.125	<.125	<.125	<.125

APPENDIX B
QUANTITATIVE RESULTS

CONVENTIONAL DATA (CV10)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORPORATION	016208C	EX63BEDP2A	JN6387

Compounds		Sample Results	Detection Limits	Blank Results	Batch Number
Reactive Cyanide	mg/kg	ND	10.0	ND	Q2I4081
Reactive Sulfide	mg/kg	ND	20.0	ND	Q2I4080
Solids, Total	%	91.0	.100	-	
pH (Electrode)	std	6.03	-	-	
Flash Point, Seta Flash	Deg C	>93	-	-	

CONVENTIONAL DATA (CV10)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP2B

JN6388

Compounds		Sample Results	Detection Limits	Blank Results	Batch Number
Reactive Cyanide	mg/kg	ND	10.0	ND	Q2I4081
Reactive Sulfide	mg/kg	ND	20.0	ND	Q2I4080
Solids, Total	%	89.8	.100	-	
pH (Electrode)	std	5.85	-	-	
Flash Point, Seta Flash	Deg C	>93	-	-	

CONVENTIONAL DATA (CV10)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP2C

JN6389

Compounds		Sample Results	Detection Limits	Blank Results	Batch Number
Reactive Cyanide	mg/kg	ND	10.0	ND	Q2I4081
Reactive Sulfide	mg/kg	ND	20.0	ND	Q2I4080
Solids, Total	%	90.8	.100	-	
pH (Electrode)	std	6.16	-	-	
Flash Point, Seta Flash	Deg C	>93	-	-	

CONVENTIONAL DATA (CV10)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP2D

JN6390

Compounds		Sample Results	Detection Limits	Blank Results	Batch Number
Reactive Cyanide	mg/kg	ND	10.0	ND	Q2I4081
Reactive Sulfide	mg/kg	ND	20.0	ND	Q2I4080
Solids, Total	%	91.8	.100	-	
pH (Electrode)	std	5.92	-	-	
Flash Point, Seta Flash	Deg C	>93	-	-	

CONVENTIONAL DATA (CV10)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BED2AG

JN6391

Compounds	Sample Results	Detection Limits	Blank Results	Batch Number
Solids, Total %	90.0	.100	-	

RCRA TOTAL METALS ANALYSIS, (ME50)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP2A

JN6387

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Arsenic	15.6	5.00	ND	Q2M5784
Barium	11.6	1.00	ND	Q2M5784
Cadmium	ND	1.00	ND	Q2M5784
Chromium	8.98	1.00	ND	Q2M5784
Lead	7.38	2.00	ND	Q2M5784
Mercury	ND	.053	ND	N2G5807
Selenium	ND	5.00	ND	Q2M5784
Silver	ND	1.00	ND	Q2M5784

TOTAL PESTICIDE AND PCB ANALYSIS, GC, (GS05)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP2A

JN6387

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Aldrin	ND	.018	ND	Q2P41899
Alpha-BHC	ND	.018	ND	Q2P41899
Beta-BHC	ND	.018	ND	Q2P41899
Chlordane	ND	.178	ND	Q2P41899
4,4'-DDD	ND	.018	ND	Q2P41899
4,4'-DDE	ND	.018	ND	Q2P41899
4,4'-DDT	ND	.018	ND	Q2P41899
Delta-BHC	ND	.018	ND	Q2P41899
Dieldrin	ND	.018	ND	Q2P41899
Endosulfan sulfate	ND	.018	ND	Q2P41899
Endosulfan I	ND	.018	ND	Q2P41899
Endosulfan II	ND	.018	ND	Q2P41899
Endrin	ND	.018	ND	Q2P41899
Endrin aldehyde	ND	.018	ND	Q2P41899
Endrin ketone	ND	.018	ND	Q2P41899
Gamma-BHC	ND	.018	ND	Q2P41899
Heptachlor	ND	.018	ND	Q2P41899
Heptachlor epoxide	ND	.018	ND	Q2P41899
Methoxychlor	ND	.018	ND	Q2P41899
Toxaphene	ND	.357	ND	Q2P41899
Aroclor 1016	ND	.178	ND	Q2P41899
Aroclor 1221	ND	.178	ND	Q2P41899
Aroclor 1232	ND	.178	ND	Q2P41899
Aroclor 1242	ND	.178	ND	Q2P41899
Aroclor 1248	ND	.178	ND	Q2P41899
Aroclor 1254	ND	.178	ND	Q2P41899
Aroclor 1260	ND	.178	ND	Q2P41899

PRIORITY POLLUTANT PNA ANALYSIS, GC, (GS16)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORPORATION	016208C	EX63BEDP2A	JN6387

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Acenaphthene	ND	.362	ND	Q2F41898
Acenaphthylene	ND	.362	ND	Q2F41898
Anthracene	ND	.362	ND	Q2F41898
Benzo (a) anthracene	ND	.362	ND	Q2F41898
Benzo (b) fluoranthene	ND	.362	ND	Q2F41898
Benzo (k) fluoranthene	ND	.362	ND	Q2F41898
Benzo (ghi) perylene	ND	.362	ND	Q2F41898
Benzo (a) pyrene	ND	.362	ND	Q2F41898
Chrysene	ND	.362	ND	Q2F41898
Dibenzo (a, h) anthracene	ND	.362	ND	Q2F41898
Fluoranthene	ND	.362	ND	Q2F41898
Fluorene	.395	.362	ND	Q2F41898
Naphthalene	ND	.362	ND	Q2F41898
Phenanthrene	.877	.362	ND	Q2F41898
Pyrene	ND	.362	ND	Q2F41898

ASC Sample No.

JN6387

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Petroleum Hydrocarbons (IR)	480	35.6	ND	Q2T41901A

TOTAL PETROLEUM HYDROCARBON ANALYSIS, IR (IR00)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP2B

JN6388

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Petroleum Hydrocarbons (IR)	461	36.9	ND	Q2T41901A

TOTAL PETROLEUM HYDROCARBON ANALYSIS, IR (IR00)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP2C

JN6389

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Petroleum Hydrocarbons (IR)	275	36.1	ND	Q2T41901A

TOTAL PETROLEUM HYDROCARBON ANALYSIS, IR (IR00)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP2D

JN6390

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Petroleum Hydrocarbons (IR)	599	35.8	ND	Q2T41901A

TOTAL VOLATILE ANALYSIS, MS, (MV00)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP2A

JN6387

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Acetone	.015	.011	ND	Q2V4130
Acrolein	ND	.027	ND	Q2V4130
Acrylonitrile	ND	.014	ND	Q2V4130
Benzene	ND	.005	ND	Q2V4130
Bromoform	ND	.005	ND	Q2V4130
Carbon disulfide	ND	.005	ND	Q2V4130
Carbon tetrachloride	ND	.005	ND	Q2V4130
Chlorobenzene	ND	.005	ND	Q2V4130
Chlorodibromomethane	ND	.005	ND	Q2V4130
Chloroethane	ND	.005	ND	Q2V4130
Chloroform	ND	.005	ND	Q2V4130
2-Chloroethylvinyl ether	ND	.005	ND	Q2V4130
Dichlorobromomethane	ND	.005	ND	Q2V4130
1,1-Dichloroethane	ND	.005	ND	Q2V4130
1,2-Dichloroethane	ND	.005	ND	Q2V4130
1,1-Dichloroethylene	ND	.005	ND	Q2V4130
1,2-Dichloropropane	ND	.005	ND	Q2V4130
cis-1,3-Dichloropropylene	ND	.005	ND	Q2V4130
trans-1,3-Dichloropropylene	ND	.005	ND	Q2V4130
Ethylbenzene	ND	.005	ND	Q2V4130
2-Hexanone	ND	.005	ND	Q2V4130
Methyl bromide	ND	.005	ND	Q2V4130
Methyl chloride	ND	.005	ND	Q2V4130
Methylene chloride	ND	.005	ND	Q2V4130
Methyl ethyl ketone	ND	.005	ND	Q2V4130
Methyl-iso-butyl ketone	ND	.011	ND	Q2V4130
Styrene	ND	.005	ND	Q2V4130
1,1,2,2-Tetrachloroethane	ND	.005	ND	Q2V4130
Tetrachloroethylene	ND	.005	ND	Q2V4130
Toluene	ND	.005	ND	Q2V4130
1,1,1-Trichloroethane	ND	.005	ND	Q2V4130
1,1,2-Trichloroethane	ND	.005	ND	Q2V4130
Trichloroethylene	ND	.005	ND	Q2V4130
1,2-Trans-dichloroethylene	ND	.005	ND	Q2V4130
Vinyl chloride	ND	.005	ND	Q2V4130
Xylenes	ND	.005	ND	Q2V4130

TOTAL VOLATILE ANALYSIS, MS, (MV00)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BED2AG

JN6391

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Acetone	.017	.011	ND	Q2V4130
Acrolein	ND	.028	ND	Q2V4130
Acrylonitrile	ND	.014	ND	Q2V4130
Benzene	ND	.006	ND	Q2V4130
Bromoform	ND	.006	ND	Q2V4130
Carbon disulfide	ND	.006	ND	Q2V4130
Carbon tetrachloride	ND	.006	ND	Q2V4130
Chlorobenzene	ND	.006	ND	Q2V4130
Chlorodibromomethane	ND	.006	ND	Q2V4130
Chloroethane	ND	.006	ND	Q2V4130
Chloroform	ND	.006	ND	Q2V4130
2-Chloroethylvinyl ether	ND	.006	ND	Q2V4130
Dichlorobromomethane	ND	.006	ND	Q2V4130
1,1-Dichloroethane	ND	.006	ND	Q2V4130
1,2-Dichloroethane	ND	.006	ND	Q2V4130
1,1-Dichloroethylene	ND	.006	ND	Q2V4130
1,2-Dichloropropane	ND	.006	ND	Q2V4130
cis-1,3-Dichloropropylene	ND	.006	ND	Q2V4130
trans-1,3-Dichloropropylene	ND	.006	ND	Q2V4130
Ethylbenzene	ND	.006	ND	Q2V4130
2-Hexanone	ND	.006	ND	Q2V4130
Methyl bromide	ND	.006	ND	Q2V4130
Methyl chloride	ND	.006	ND	Q2V4130
Methylene chloride	ND	.006	ND	Q2V4130
Methyl ethyl ketone	ND	.006	ND	Q2V4130
Methyl-iso-butyl ketone	ND	.011	ND	Q2V4130
Styrene	ND	.006	ND	Q2V4130
1,1,2,2-Tetrachloroethane	ND	.006	ND	Q2V4130
Tetrachloroethylene	ND	.006	ND	Q2V4130
Toluene	ND	.006	ND	Q2V4130
1,1,1-Trichloroethane	ND	.006	ND	Q2V4130
1,1,2-Trichloroethane	ND	.006	ND	Q2V4130
Trichloroethylene	ND	.006	ND	Q2V4130
1,2-Trans-dichloroethylene	ND	.006	ND	Q2V4130
Vinyl chloride	ND	.006	ND	Q2V4130
Xylenes	ND	.006	ND	Q2V4130

RCRA TCLP LEACHATE HERBICIDE ANALYSIS, GC, (GS52)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP2A

JN6387

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
2,4-D	ND	.250	ND	Q7H41918
2,4,5-TP (Silvex)	ND	.250	ND	Q7H41918

RCRA TCLP LEACHATE HERBICIDE ANALYSIS, GC, (GS52)

ASC Sample No.

JN6388

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
2,4-D	ND	.250	ND	Q7H41918
2,4,5-TP (Silvex)	ND	.250	ND	Q7H41918

RCRA TCLP LEACHATE HERBICIDE ANALYSIS, GC, (GS52)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP2C

JN6389

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
2,4-D	ND	.250	ND	Q7H41918
2,4,5-TP (Silvex)	ND	.250	ND	Q7H41918

RCRA TCLP LEACHATE HERBICIDE ANALYSIS, GC, (GS52)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP2D

JN6390

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
2,4-D	ND	.250	ND	Q7H41918
2,4,5-TP (Silvex)	ND	.250	ND	Q7H41918

RCRA TCLP LEACHATE PESTICIDE ANALYSIS, GC, (GS54)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP2A

JN6387

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Chlordane	ND	.020	ND	Q7P41902
Endrin	ND	.002	ND	Q7P41902
Heptachlor	ND	.002	ND	Q7P41902
Heptachlor epoxide	ND	.002	ND	Q7P41902
Lindane	ND	.002	ND	Q7P41902
Methoxychlor	ND	.002	ND	Q7P41902
Toxaphene	ND	.040	ND	Q7P41902

RCRA TCLP LEACHATE PESTICIDE ANALYSIS, GC, (GS54)

ASC Sample No.

JN6388

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Chlordane	ND	.020	ND	Q7P41902
Endrin	ND	.002	ND	Q7P41902
Heptachlor	ND	.002	ND	Q7P41902
Heptachlor epoxide	ND	.002	ND	Q7P41902
Lindane	ND	.002	ND	Q7P41902
Methoxychlor	ND	.002	ND	Q7P41902
Toxaphene	ND	.040	ND	Q7P41902

RCRA TCLP LEACHATE PESTICIDE ANALYSIS, GC, (GS54)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP2C

JN6389

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Chlordane	ND	.020	ND	Q7P41902
Endrin	ND	.002	ND	Q7P41902
Heptachlor	ND	.002	ND	Q7P41902
Heptachlor epoxide	ND	.002	ND	Q7P41902
Lindane	ND	.002	ND	Q7P41902
Methoxychlor	ND	.002	ND	Q7P41902
Toxaphene	ND	.040	ND	Q7P41902

RCRA TCLP LEACHATE PESTICIDE ANALYSIS, GC, (GS54)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP2D

JN6390

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Chlordane	ND	.020	ND	Q7P41902
Endrin	ND	.002	ND	Q7P41902
Heptachlor	ND	.002	ND	Q7P41902
Heptachlor epoxide	ND	.002	ND	Q7P41902
Lindane	ND	.002	ND	Q7P41902
Methoxychlor	ND	.002	ND	Q7P41902
Toxaphene	ND	.040	ND	Q7P41902

RCRA TCLP LEACHATE METALS ANALYSIS, (ME52)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP2A

JN6387

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Arsenic	ND	.100	ND	Q7M5806
Barium	.453	.100	.162	Q7M5806
Cadmium	ND	.005	ND	Q7M5806
Chromium	ND	.020	ND	Q7M5806
Lead	ND	.100	ND	Q7M5806
Mercury	ND	.001	ND	Q7G5822
Selenium	ND	.100	ND	Q7M5806
Silver	ND	.020	.023	Q7M5806
Copper	.234	.020	.022	Q7M5806
Zinc	.213	.200	ND	Q7M5806

RCRA TCLP LEACHATE METALS ANALYSIS, (ME52)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP2B

JN6388

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Arsenic	ND	.100	ND	Q7M5806
Barium	.321	.100	.162	Q7M5806
Cadmium	ND	.005	ND	Q7M5806
Chromium	ND	.020	ND	Q7M5806
Lead	ND	.100	ND	Q7M5806
Mercury	ND	.001	ND	Q7G5822
Selenium	ND	.100	ND	Q7M5806
Silver	ND	.020	.023	Q7M5806
Copper	.156	.020	.022	Q7M5806
Zinc	ND	.200	ND	Q7M5806

RCRA TCLP LEACHATE METALS ANALYSIS, (ME52)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP2C

JN6389

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Arsenic	ND	.100	ND	Q7M5806
Barium	.349	.100	.162	Q7M5806
Cadmium	ND	.005	ND	Q7M5806
Chromium	ND	.020	ND	Q7M5806
Lead	ND	.100	ND	Q7M5806
Mercury	ND	.001	ND	Q7G5822
Selenium	ND	.100	ND	Q7M5806
Silver	ND	.020	.023	Q7M5806
Copper	.126	.020	.022	Q7M5806
Zinc	ND	.200	ND	Q7M5806

RCRA TCLP LEACHATE METALS ANALYSIS, (ME52)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP2D

JN6390

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Arsenic	ND	.100	ND	Q7M5806
Barium	.579	.100	.162	Q7M5806
Cadmium	ND	.005	ND	Q7M5806
Chromium	ND	.020	ND	Q7M5806
Lead	ND	.100	ND	Q7M5806
Mercury	ND	.001	ND	Q7G5822
Selenium	ND	.100	ND	Q7M5806
Silver	ND	.020	.023	Q7M5806
Copper	.138	.020	.022	Q7M5806
Zinc	ND	.200	ND	Q7M5806

RCRA TCLP LEACHATE BASE/NEUTRAL/ACID ANALYSIS, MS, (MS52)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP2A

JN6387

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
2,4-Dinitrotoluene	ND	.100	ND	Q7C41913
Hexachlorobenzene	ND	.100	ND	Q7C41913
Hexachloroethane	ND	.100	ND	Q7C41913
Hexachlorobutadiene	ND	.100	ND	Q7C41913
2-Methylphenol	ND	.100	ND	Q7C41913
4-Methylphenol	.120	.100	ND	Q7C41913
Nitrobenzene	ND	.100	ND	Q7C41913
Pentachlorophenol	ND	.100	ND	Q7C41913
Pyridine	.261	.100	ND	Q7C41913
2,4,5-Trichlorophenol	ND	.100	ND	Q7C41913
2,4,6-Trichlorophenol	ND	.100	ND	Q7C41913

3-Methyl- and 4-Methylphenol coelute and are reported as the total

RCRA TCLP LEACHATE BASE/NEUTRAL/ACID ANALYSIS, MS, (MS52)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP2B

JN6388

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
2,4-Dinitrotoluene	ND	.100	ND	Q7C41913
Hexachlorobenzene	ND	.100	ND	Q7C41913
Hexachloroethane	ND	.100	ND	Q7C41913
Hexachlorobutadiene	ND	.100	ND	Q7C41913
2-Methylphenol	ND	.100	ND	Q7C41913
4-Methylphenol	ND	.100	ND	Q7C41913
Nitrobenzene	ND	.100	ND	Q7C41913
Pentachlorophenol	ND	.100	ND	Q7C41913
Pyridine	ND	.100	ND	Q7C41913
2,4,5-Trichlorophenol	ND	.100	ND	Q7C41913
2,4,6-Trichlorophenol	ND	.100	ND	Q7C41913

3-Methyl- and 4-Methylphenol coelute and are reported as the total

RCRA TCLP LEACHATE BASE/NEUTRAL/ACID ANALYSIS, MS, (MS52)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP2C

JN6389

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
2,4-Dinitrotoluene	ND	.100	ND	Q7C41913
Hexachlorobenzene	ND	.100	ND	Q7C41913
Hexachloroethane	ND	.100	ND	Q7C41913
Hexachlorobutadiene	ND	.100	ND	Q7C41913
2-Methylphenol	ND	.100	ND	Q7C41913
4-Methylphenol	ND	.100	ND	Q7C41913
Nitrobenzene	ND	.100	ND	Q7C41913
Pentachlorophenol	ND	.100	ND	Q7C41913
Pyridine	ND	.100	ND	Q7C41913
2,4,5-Trichlorophenol	ND	.100	ND	Q7C41913
2,4,6-Trichlorophenol	ND	.100	ND	Q7C41913

3-Methyl- and 4-Methylphenol coelute and are reported as the total

RCRA TCLP LEACHATE BASE/NEUTRAL/ACID ANALYSIS, MS, (MS52)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP2D

JN6390

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
2,4-Dinitrotoluene	ND	.100	ND	Q7C41913
Hexachlorobenzene	ND	.100	ND	Q7C41913
Hexachloroethane	ND	.100	ND	Q7C41913
Hexachlorobutadiene	ND	.100	ND	Q7C41913
2-Methylphenol	ND	.100	ND	Q7C41913
4-Methylphenol	ND	.100	ND	Q7C41913
Nitrobenzene	ND	.100	ND	Q7C41913
Pentachlorophenol	ND	.100	ND	Q7C41913
Pyridine	ND	.100	ND	Q7C41913
2,4,5-Trichlorophenol	ND	.100	ND	Q7C41913
2,4,6-Trichlorophenol	ND	.100	ND	Q7C41913

3-Methyl- and 4-Methylphenol coelute and are reported as the total

RCRA TCLP LEACHATE (ZHE) VOLATILE ANALYSIS, MS, (MV50)

Company Name Facility Sample Point ASC Sample No.
OHM REMEDIATION SERVICES CORPORATION 016208C EX63BEDP2A JN6387

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Benzene	ND	.125	ND	Q7V4132
Carbon tetrachloride	ND	.125	ND	Q7V4132
Chlorobenzene	ND	.125	ND	Q7V4132
Chloroform	ND	.125	ND	Q7V4132
1,4-Dichlorobenzene	ND	.125	ND	Q7V4132
1,2-Dichloroethane	ND	.125	ND	Q7V4132
1,1-Dichloroethylene	ND	.125	ND	Q7V4132
Methyl ethyl ketone	ND	.125	ND	Q7V4132
Tetrachloroethylene	ND	.125	ND	Q7V4132
Trichloroethylene	ND	.125	ND	Q7V4132
Vinyl chloride	ND	.125	ND	Q7V4132

RCRA TCLP LEACHATE (ZHE) VOLATILE ANALYSIS, MS, (MV50)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP2B

JN6388

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Benzene	ND	.125	ND	Q7V4132
Carbon tetrachloride	ND	.125	ND	Q7V4132
Chlorobenzene	ND	.125	ND	Q7V4132
Chloroform	ND	.125	ND	Q7V4132
1,4-Dichlorobenzene	ND	.125	ND	Q7V4132
1,2-Dichloroethane	ND	.125	ND	Q7V4132
1,1-Dichloroethylene	ND	.125	ND	Q7V4132
Methyl ethyl ketone	ND	.125	ND	Q7V4132
Tetrachloroethylene	ND	.125	ND	Q7V4132
Trichloroethylene	ND	.125	ND	Q7V4132
Vinyl chloride	ND	.125	ND	Q7V4132

RCRA TCLP LEACHATE (ZHE) VOLATILE ANALYSIS, MS, (MV50)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP2C

JN6389

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Benzene	ND	.125	ND	Q7V4132
Carbon tetrachloride	ND	.125	ND	Q7V4132
Chlorobenzene	ND	.125	ND	Q7V4132
Chloroform	ND	.125	ND	Q7V4132
1,4-Dichlorobenzene	ND	.125	ND	Q7V4132
1,2-Dichloroethane	ND	.125	ND	Q7V4132
1,1-Dichloroethylene	ND	.125	ND	Q7V4132
Methyl ethyl ketone	ND	.125	ND	Q7V4132
Tetrachloroethylene	ND	.125	ND	Q7V4132
Trichloroethylene	ND	.125	ND	Q7V4132
Vinyl chloride	ND	.125	ND	Q7V4132

RCRA TCLP LEACHATE (ZHE) VOLATILE ANALYSIS, MS, (MV50)

Company Name Facility Sample Point ASC Sample No.
OHM REMEDIATION SERVICES CORPORATION 016208C EX63BEDP2D JN6390

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Benzene	ND	.125	ND	Q7V4132
Carbon tetrachloride	ND	.125	ND	Q7V4132
Chlorobenzene	ND	.125	ND	Q7V4132
Chloroform	ND	.125	ND	Q7V4132
1,4-Dichlorobenzene	ND	.125	ND	Q7V4132
1,2-Dichloroethane	ND	.125	ND	Q7V4132
1,1-Dichloroethylene	ND	.125	ND	Q7V4132
Methyl ethyl ketone	ND	.125	ND	Q7V4132
Tetrachloroethylene	ND	.125	ND	Q7V4132
Trichloroethylene	ND	.125	ND	Q7V4132
Vinyl chloride	ND	.125	ND	Q7V4132

APPENDIX C
QUALITY ASSURANCE DATA

METHODOLOGY REFERENCES

ASTM	<i>American Society for Testing and Materials</i> , 1985 edition.
CAWW	<i>Methods for Chemical Analysis of Water and Wastes</i> , April 1979 and Updated #1 March 1983.
CLP	<i>USEPA Contract Laboratory Program</i> , Document #OLMO1.0, updates December 1990 #OLMO1.1 and February 1991 #OLMO1.1.1.
EPA-500	<i>USEPA Methods for the Determination of Organic Compounds in Drinking Water</i> , EPA-600/4-88/039 December 1988.
EPA-600	<i>USEPA Test Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater</i> , EPA-600/4-82-057 July 1982.
NIOSH	<i>National Institute for Occupational Safety and Health</i> , 3rd edition, 1984.
SMEWW	<i>Standard Methods for the Examination of Water and Wastewater</i> , 17th edition, 1989.
STOA	<i>Spot Tests In Organic Analysis</i> , 7th edition, 1966.
SW-846	<i>Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods</i> , 3rd edition, September 1986 and Update #1 July 1992.
(1)	This method was modified to incorporate the use of Boron Trifluoride (BF ₃) as the derivatizing reagent according to Method 6640 in <i>SMEWW</i> , 17th edition, 1989.
Title 22	<i>Waste Extraction Test</i> , Title 22, Section 66261.126 Appendix 2 of the California Administrative Code, May 1991.

ASC Certifications

State	Agency	Certification #
Alabama	ADEM	40830
California	CADOH	1178
Colorado	CODOH	OH113
Delaware	DEHSS	OH113
Kansas	KSDHE	E-202 & E-1173
Louisiana	LADOHH	92-10
Maryland	MDDHMH	210
Massachusetts	MADEP	M-OH113
New Jersey	NJDEPE	74603
New York	NYDOH	10712
North Carolina	NCDEM	392
Ohio	OHEPA	OH113
Oklahoma	OKDEQ	9216
Pennsylvania	PADER	68-450
South Carolina	SCDEHNR	92002
Tennessee	TNDOH/TNDEC	2978
Virginia	VADGS	00011
Washington	WADOE	C154
Wisconsin	WIDNR	999037160

Validated by:

- o US Army Corps of Engineers Chemical Analysis in Various Matrices

Approvals:

- o Chemical Waste Management Waste Characterization Analysis
- o EnviroSAFE Waste Characterization Analysis
- o USDA Permit for Importing Soils
- o Florida DEP Quality Assurance Plan #930034G
- o Naval Facilities Engineering Service Center Chemical Analysis in Various Matrices

REPORT KEY

mg/kg	= milligram per kilogram (ppm)
Mg/m ³	= milligram per cubic meter
ug/kg	= microgram per kilogram (ppb)
mg/L	= milligram per liter (ppm)
ug/L	= microgram per liter (ppb)
mg/W	= milligram per wipe
ug/W	= microgram per wipe
mg/SMP	= milligram per sample
ug/SMP	= microgram per sample (Tedlar Bag)
ug/smp	= microgram per sample
um/cm	= microMho per centimeter
pCi/l	= picocurie per liter
gm/cc	= grams per cubic centimeter
ppm	= parts per million
ppb	= parts per billion
ND	= Not detected at or above stated detection limit
<	= less than
>	= greater than
%	= percent
BTU/lb	= British Thermal Units per pound
Deg. C	= Degrees Celsius
n/a	= not applicable
Unk	= unknown
std	= result is relative to standard pH units
CV	= Conventional
IR	= Infrared Spectrophotometric
GC	= Gas Chromatograph Instrument
GC/MS	= Gas Chromatography/Mass Spectrometer Instrument
GRO	= Gasoline Range Organics
DRO	= Diesel Range Organics
PCB	= Polychlorinated Biphenyls (PCBs)
EP TOX	= Extraction Procedure Toxicity
TCLP	= Toxicity Characteristic Leaching Procedure
RCRA	= Resource Conservation and Recovery Act
SOW	= Statement of Work

CONVENTIONAL DATA (CV10)

[illegible]

RCRA TOTAL METALS ANALYSIS, (ME50)

Mercury: Because the analyte was present in the unspiked sample at a high level, the spiked sample does not provide valid spike recovery data.

Mercury: Because the analyte was present in the unspiked sample at a high level, the spiked sample does not provide valid spike recovery data.

QUALITY ASSURANCE DATA

TOTAL PESTICIDE AND PCB ANALYSIS, GC, (GS05)

Compounds	Blank Results mg/kg	Blank Spike Recov	Unspiked Sample Results mg/kg	Matrix Spike Recov	Relative Percent Diff	Batch Number
Aldrin	ND	82	ND	71	3	Q2P41899
Alpha-BHC	ND	84	ND	61	4	Q2P41899
Beta-BHC	ND	87	ND	76	1	Q2P41899
Chlordane	ND	92	ND	93	3	Q2P41899
4,4'-DDD	ND	89	ND	77	3	Q2P41899
4,4'-DDE	ND	90	ND	80	3	Q2P41899
4,4'-DDT	ND	96	ND	92	12	Q2P41899
Delta-BHC	ND	89	ND	63	2	Q2P41899
Dieldrin	ND	90	ND	83	5	Q2P41899
Endosulfan sulfate	ND	78	ND	71	51	Q2P41899
Endosulfan I	ND	82	ND	86	2	Q2P41899
Endosulfan II	ND	76	ND	74	39	Q2P41899
Endrin	ND	92	ND	84	6	Q2P41899
Endrin aldehyde	ND	70	ND	71	21	Q2P41899
Endrin ketone	ND	85	ND	81	25	Q2P41899
Gamma-BHC	ND	87	ND	71	5	Q2P41899
Heptachlor	ND	87	ND	90	4	Q2P41899
Heptachlor epoxide	ND	88	ND	91	4	Q2P41899
Methoxychlor	ND	88	ND	88	5	Q2P41899

QUALITY ASSURANCE DATA

PRIORITY POLLUTANT PNA ANALYSIS, GC, (GS16)

Compounds	Blank Results mg/kg	Blank Spike Recov	Unspiked Sample Results mg/kg	Matrix Spike Recov	Relative Percent Diff	Batch Number
Acenaphthene	ND	93	ND	116	11	Q2F41898
Acenaphthylene	ND	74	ND	95	10	Q2F41898
Anthracene	ND	70	ND	128	4	Q2F41898
Benzo (a) anthracene	ND	85	ND	124	13	Q2F41898
Benzo (b) fluoranthene	ND	90	ND	118	7	Q2F41898
Benzo (k) fluoranthene	ND	116	ND	154	6	Q2F41898
Benzo (ghi) perylene	ND	37	ND	43	7	Q2F41898
Benzo (a) pyrene	ND	66	ND	102	2	Q2F41898
Chrysene	ND	98	ND	130	12	Q2F41898
Dibenzo (a, h) anthracene	ND	47	ND	49	15	Q2F41898
Fluoranthene	ND	100	ND	187	46	Q2F41898
Fluorene	ND	93	ND	122	8	Q2F41898
Naphthalene	ND	79	ND	93	0	Q2F41898
Phenanthrene	ND	100	ND	175	48	Q2F41898
Pyrene	ND	102	ND	166	38	Q2F41898

QUALITY ASSURANCE DATA

TOTAL PETROLEUM HYDROCARBON ANALYSIS, IR (IR00)

Compounds	Blank Results mg/kg	Blank Spike Recov	Unspiked Sample Results mg/kg	Matrix Spike Recov	Relative Percent Diff	Batch Number
Petroleum Hydrocarbons (IR)	ND	90	480	219	29	Q2T41901A

Because the analyte was present in the unspiked sample at a high level,
the spiked sample does not provide valid spike recovery data.

TOTAL VOLATILE ANALYSIS, MS, (MV00)

Compounds	Blank Results mg/kg	Blank Spike Recov	Unspiked Sample Results mg/kg	Matrix Spike Recov	Relative Percent Diff	Batch Number
Benzene	ND	98	ND	100	1	Q2V4130
Chlorobenzene	ND	99	ND	85	10	Q2V4130
1,1-Dichloroethylene	ND	105	ND	103	4	Q2V4130
Toluene	ND	105	ND	89	4	Q2V4130
Trichloroethylene	ND	99	ND	96	1	Q2V4130

RCRA TCLP LEACHATE HERBICIDE ANALYSIS, GC, (GS52)

Compounds	Blank Results mg/L	Blank Spike Recov	Unspiked Sample Results mg/L	Matrix Spike Recov	Relative Percent Diff	Batch Number
2,4-D	ND	75	ND	46	13	Q7H41918
2,4,5-TP (Silvex)	ND	104	ND	61	11	Q7H41918

RCRA TCLP LEACHATE PESTICIDE ANALYSIS, GC, (GS54)

Compounds	Blank Results mg/L	Blank Spike Recov	Unspiked Sample Results mg/L	Matrix Spike Recov	Relative Percent Diff	Batch Number
Chlordane	ND	78	ND	67	1	Q7P41902
Endrin	ND	82	ND	82	3	Q7P41902
Heptachlor	ND	72	ND	45	14	Q7P41902
Heptachlor epoxide	ND	67	ND	66	1	Q7P41902
Lindane	ND	55	ND	57	1	Q7P41902
Methoxychlor	ND	92	ND	103	3	Q7P41902

QUALITY ASSURANCE DATA

RCRA TCLP LEACHATE METALS ANALYSIS, (ME52)

Compounds	Blank Results mg/L	Blank Spike Recov	Unspiked Sample Results mg/L	Matrix Spike Recov	Relative Percent Diff	Batch Number
Arsenic	ND	81	ND	83	2	Q7M5806
Barium	.162	81	.375	85	3	Q7M5806
Cadmium	ND	89	ND	92	1	Q7M5806
Chromium	ND	81	ND	82	2	Q7M5806
Lead	ND	84	ND	86	1	Q7M5806
Mercury	ND	102	ND	102	2	Q7G5822
Selenium	ND	79	ND	83	3	Q7M5806
Silver	.023	88	ND	95	6	Q7M5806
Copper	.022	81	.031	85	2	Q7M5806
Zinc	ND	79	ND	87	2	Q7M5806

QUALITY ASSURANCE DATA

RCRA TCLP LEACHATE BASE/NEUTRAL/ACID ANALYSIS, MS, (MS52)

Compounds	Blank Results mg/L	Blank Spike Recov	Unspiked Sample Results mg/L	Matrix Spike Recov	Relative Percent Diff	Batch Number
2,4-Dinitrotoluene	ND	88	ND	93	14	Q7C41913
Hexachlorobenzene	ND	110	ND	30	20	Q7C41913
Hexachloroethane	ND	35	ND	20	58	Q7C41913
Hexachlorobutadiene	ND	43	ND	18	64	Q7C41913
2-Methylphenol	ND	75	ND	59	36	Q7C41913
4-Methylphenol	ND	72	ND	59	31	Q7C41913
Nitrobenzene	ND	73	ND	55	39	Q7C41913
Pentachlorophenol	ND	88	ND	91	7	Q7C41913
Pyridine	ND	52	ND	39	38	Q7C41913
2,4,5-Trichlorophenol	ND	79	ND	70	23	Q7C41913
2,4,6-Trichlorophenol	ND	79	ND	63	33	Q7C41913

3-Methyl- and 4-Methylphenol coelute and are reported as the total

QUALITY ASSURANCE DATA

RCRA TCLP LEACHATE (ZHE) VOLATILE ANALYSIS, MS, (MV50)

Compounds	Blank Results mg/L	Blank Spike Recov	Unspiked Sample Results mg/L	Matrix Spike Recov	Relative Percent Diff	Batch Number
Benzene	ND	97	ND	99	9	Q7V4132
Carbon tetrachloride	ND	97	ND	100	13	Q7V4132
Chlorobenzene	ND	91	ND	90	5	Q7V4132
Chloroform	ND	97	ND	94	4	Q7V4132
1,4-Dichlorobenzene	ND	74	ND	80	6	Q7V4132
1,2-Dichloroethane	ND	99	ND	93	2	Q7V4132
1,1-Dichloroethylene	ND	90	ND	83	1	Q7V4132
Methyl ethyl ketone	ND	90	ND	82	0	Q7V4132
Tetrachloroethylene	ND	95	ND	93	7	Q7V4132
Trichloroethylene	ND	98	ND	99	7	Q7V4132
Vinyl chloride	ND	86	ND	79	5	Q7V4132

QUALITY ASSURANCE DATA SURROGATE SUMMARY REPORT

SURROGATE ID	A159	B732	A121	A884	A158	B142	# OUT
QC BATCH: Q7C41913 Leachate (Semi-Volatile organics by MS)							
SAMPLE ID							
BLANK	69	71	77	76	70	61	0
BLANK SPIKE	71	75	79	79	74	96	0
EX63BEDP2A	67	62	74	77	71	46	0
EX63BEDP2A MD	64	68	75	72	73	86	0
EX63BEDP2A MS	57	62	83	61	60	98	0
EX63BEDP2B	62	62	73	70	70	76	0
EX63BEDP2C	64	65	78	74	73	78	0
EX63BEDP2D	59	60	78	69	68	70	0
QC LIMITS	(21-110)	(10-110)	(10-123)	(35-114)	(43-116)	(33-141)	

SURROGATE ID	F044	# OUT
QC BATCH: Q2F41898 Solid (Organics by GC-FID)		
SAMPLE ID		
BLANK	67	0
BLANK SPIKE	72	0
EX63BEDP2A	123	0
EX63BEDP4B MD	94	0
EX63BEDP4B MS	82	0
EXUST2651A MD	94	0
EXUST2651A MS	82	0
QC LIMITS	(39-130)	

SURROGATE ID	F047	# OUT
QC BATCH: Q7H41918 Leachate (Herbicide compounds by GC)		
SAMPLE ID		
BLANK	99	0
BLANK SPIKE	122	0
EX63BEDP2A	103	0
EX63BEDP2A MD	110	0
EX63BEDP2A MS	115	0
EX63BEDP2B	98	0
EX63BEDP2C	78	0
EX63BEDP2D	117	0
QC LIMITS	(30-130)	

SURROGATE ID	
A047 = 1,2-Dichloroethane-D4	A500 = Decachlorobiphenyl
B185 = Toluene-D8	F044 = 2-Fluorobiphenyl (GC)
B668 = Bromofluorobenzene	F047 = 2,4-Dichlorophenylacetic-acid
A159 = 2-Fluorophenol	
B732 = Phenol-D6	
A121 = 2,4,6-Tribromophenol	
A884 = Nitrobenzene-D5	
A158 = 2-Fluorobiphenyl	
B142 = Terphenyl-D14	
B816 = 2,4,5,6-Tetrachloro-m-xylene	

* Values outside of method quality control limits

D Sample was diluted, however, some surrogates may be reported if results were observed.

It is ASC's laboratory policy to allow one surrogate per sample fraction (acid, base-neutral or pesticide) to exceed the stated QC limits. This policy is based upon the USEPA SOW for the Contract Laboratory Program (CLP).

QUALITY ASSURANCE DATA SURROGATE SUMMARY REPORT

SURROGATE ID	B816	A500	#	OUT
QC BATCH: Q2P41899 Solid (Pesticide compounds by GC)				
SAMPLE ID				
BLANK	83	73	0	
BLANK SPIKE	81	73	0	
EX63BEDP2A	40	56	0	
EXUST2651A MD	65	82	0	
EXUST2651A MS	68	84	0	
QC LIMITS	(30-130)	(30-130)		

SURROGATE ID	B816	A500	#	OUT
QC BATCH: Q7P41902 Leachate (Pesticide compounds by GC)				
SAMPLE ID				
BLANK	96	96	0	
BLANK SPIKE	94	53	0	
EX63BEDP2A	92	104	0	
EX63BEDP2A MD	99	102	0	
EX63BEDP2A MS	100	108	0	
EX63BEDP2B	98	109	0	
EX63BEDP2C	100	105	0	
EX63BEDP2D	97	104	0	
QC LIMITS	(30-130)	(30-130)		

SURROGATE ID	A047	B185	B668	#	OUT
QC BATCH: Q2V4130 Solid (Volatile organics by MS)					
SAMPLE ID					
BLANK	100	113	105	0	
BLANK SPIKE	96	104	94	0	
EX63BED2AG	102	101	93	0	
EX63BED2AG MD	102	103	83	0	
EX63BED2AG MS	108	95	83	0	
EX63BEDP2A	99	104	84	0	
QC LIMITS	(70-121)	(81-117)	(74-121)		
QC BATCH: Q7V4132 Leachate (Volatile organics by MS)					
SAMPLE ID					
BLANK	105	100	98	0	
BLANK SPIKE	109	102	98	0	
EX63BEDP2A	110	95	97	0	
EX63BEDP2A MD	102	98	96	0	
EX63BEDP2A MS	105	98	95	0	
EX63BEDP2B	106	97	94	0	
EX63BEDP2C	102	94	94	0	
EX63BEDP2D	104	98	98	0	

SURROGATE ID	
A047 = 1,2-Dichloroethane-D4	A500 = Decachlorobiphenyl
B185 = Toluene-D8	F044 = 2-Fluorobiphenyl (GC)
B668 = Bromofluorobenzene	F047 = 2,4-Dichlorophenylacetic-acid
A159 = 2-Fluorophenol	
B732 = Phenol-D6	
A121 = 2,4,6-Tribromophenol	
A884 = Nitrobenzene-D5	
A158 = 2-Fluorobiphenyl	
B142 = Terphenyl-D14	
B816 = 2,4,5,6-Tetrachloro-m-xylene	

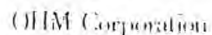
* Values outside of method quality control limits
D Sample was diluted, however, some surrogates may be reported if results were observed.

* Values outside of method quality control limits

D Sample was diluted, however, some surrogates may be reported if results were observed.

It is ASC's laboratory policy to allow one surrogate per sample fraction (acid, base-neutral or pesticide) to exceed the stated QC limits. This policy is based upon the USEPA SOW for the Contract Laboratory Program (CLP).

APPENDIX D
CHAIN-OF-CUSTODY RECORD(S)



Form 0019
Field Technical Services
Rev. 08/89

No. 107757

PROJECT NAME		PROJECT LOCATION		ANALYSIS DESIRED (INDICATE SEPARATE CONTAINERS)				
PROJ NO	PROJECT CONTACT	PROJECT TELEPHONE NO.	NUMBER OF CONTAINERS					
CLIENT'S REPRESENTATIVE	PROJECT MANAGER/SUPERVISOR							
ITEM NO	SAMPLE NUMBER	DATE	TIME	COMP	GRAB	SAMPLE DESCRIPTION (INCLUDE MATRIX AND POINT OF SAMPLE)	REMARKS	
1	EX63BEDP2A	12-19-94	1401	✓		moist yellowish sand and grey clay, TPH smell, lots of cobble	1X1L	<div> <div> <div>TCU-P (fuel)</div> <div>PCRA ch2w</div> <div>TPH</div> <div>PAH</div> <div>PCB/Pest</div> <div>PCRA metals</div> <div>TOTAL VOA</div> </div> <div> <div>✓</div> <div>✓</div> <div>✓</div> <div>✓</div> <div>✓</div> <div>✓</div> <div>✓</div> </div> </div>
2	EX63BEDP2B		1419	✓		Grey clay, yellowish sand, some cobble	1X1L	<div> <div>✓</div> <div>✓</div> <div>✓</div> <div></div> <div></div> <div></div> <div></div> </div>
3	EX63BEDP2C		1438	✓		Dry yellow sand and grey clay, lots of cobble	1X1L	<div> <div>✓</div> <div>✓</div> <div>✓</div> <div></div> <div></div> <div></div> <div></div> </div>
4	EX63BEDP2D		1452	✓		moist grey and yellow sand, lots of cobble, clay, TPH smell	1X1L	<div> <div>✓</div> <div>✓</div> <div>✓</div> <div></div> <div></div> <div></div> <div></div> </div>
5	EX63BED2AG	1356		✓		Grey clay & yellowish sand, TPH smell, moist, lots of cobble	2X40L VOA	<div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div>✓</div> </div>
6								
7								
8								
9								
10								

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME	REMARKS
1	1-5	JN Bleam	Fed Ex Airbill 2989345936	12-19-94	1800	<ul style="list-style-type: none"> preserved 4°C Temp blank included TAT - 5 Day All composites are 5pt collections
2	1-5	Fed Ex 2989345936	Donita Jensen	12-20-94	09:46	
3						
4						

SAMPLER'S SIGNATURE: JN Bleam

TEMP. 2°C HD

LAB COPY



Analytical Services Corp.

ANALYTICAL REPORT

Client: OHM Remediation Services Corporation
Eastern Region (Hopkinton, MA)

Attn: William Snow
Ron Kenyon
Mike Quinlan

Project: 16208C - USACE; Fort Devens, MA

Sample Type(s): Solid

Analysis Performed: Conventionals, Metals, Organics and
RCRA TCLP Leachate Parameters

Date Sample Received: December 20, 1994

Date Order Received: December 20, 1994

Joblink(s): 617301

*This report is **"PROPRIETARY AND CONFIDENTIAL"** and delivered to, and intended for the exclusive use of the above named client only. Analytical Services Corporation assumes no responsibility or liability for the reliance hereon or use hereof by anyone other than the above named client.*

Reviewed and
Approved by:

Thomas E. Gran, Ph.D., Vice President

Date: January 16, 1995

PROJECT NARRATIVE

The following items relate to the samples and analytical data contained in this report.

- o All solid sample results are reported on a "dry weight" basis.
- o The identity of all pesticide and herbicide compounds were confirmed by secondary column analysis.
- o Note any and all comments at the bottom of the tables in Appendix B and/or Appendix C.
- o **ASC** will retain samples for a maximum of thirty (30) days after completion of the analysis, samples will be held for a longer period of time, if appropriate arrangements are made in advance. A nominal disposal charge of \$5.00/sample will be imposed for unreturned samples.
- o The PNA, Method 8100, Analysis was performed by GC/MS rather than GC/FID due to instrument problems. Matrix spike recoveries for this analysis were outside control limits due to matrix interferences. Batch was accepted based on method spike recoveries which were within QC limits.

APPENDIX A
DATA SUMMARY REPORT

NOTE: The Tentatively Identified Volatile (GC/MS) Screen result(s), if applicable, is included in Appendix B.

DATA SUMMARY REPORT

DATE: 01/11/95

PAGE: 1

Company: OHM REMEDIATION SERVICES CORPORATION

Sample Point ID:	EX63BEDP4A	EX63BEDP4B	EX63BED4AG
ASC Sample Number:	JN6392	JN6393	JN6394
Sample Date:	941219	941219	941219
Facility Code:	016208C	016208C	016208C

Parameters	Units
------------	-------

Conventional Data (CV10)

Flash Point, Seta Flash	Deg C	>93	>93	-
Reactive Cyanide	mg/kg	<10.0	<10.0	-
Reactive Sulfide	mg/kg	<20.0	<20.0	-
Solids, Total	%	91.7	91.8	57.9
pH (Electrode)	std	5.74	6.36	-

Sample Point ID:	EX63BEDP4A
ASC Sample Number:	JN6392
Sample Date:	941219
Facility Code:	016208C

Parameters	Units
------------	-------

Total Pesticide and PCB Analysis, GC, (GS05)

Aldrin	mg/kg	<.018
Alpha-BHC	mg/kg	<.018
Beta-BHC	mg/kg	<.018
Chlordane	mg/kg	<.184
4,4'-DDD	mg/kg	<.018
4,4'-DDE	mg/kg	.037
4,4'-DDT	mg/kg	.078
Delta-BHC	mg/kg	<.018
Dieldrin	mg/kg	<.018
Endosulfan sulfate	mg/kg	<.018
Endosulfan I	mg/kg	<.018
Endosulfan II	mg/kg	<.018
Endrin	mg/kg	<.018
Endrin aldehyde	mg/kg	<.018
Endrin ketone	mg/kg	<.018
Gamma-BHC	mg/kg	<.018
Heptachlor	mg/kg	<.018
Heptachlor epoxide	mg/kg	<.018
Methoxychlor	mg/kg	<.018
Toxaphene	mg/kg	<.368

DATA SUMMARY REPORT

DATE: 01/11/95

PAGE: 2

Company: OHM REMEDIATION SERVICES CORPORATION

Sample Point ID: EX63BEDP4A
ASC Sample Number: JN6392
Sample Date: 941219
Facility Code: 016208C

Parameters Units

Total Pesticide and PCB Analysis, GC, (GS05)

Aroclor 1016	mg/kg	<.184
Aroclor 1221	mg/kg	<.184
Aroclor 1232	mg/kg	<.184
Aroclor 1242	mg/kg	<.184
Aroclor 1248	mg/kg	<.184
Aroclor 1254	mg/kg	<.184
Aroclor 1260	mg/kg	<.184

Priority Pollutant PNA Analysis, GC, (GS16)

Acenaphthene	mg/kg	<.357
Acenaphthylene	mg/kg	<.357
Anthracene	mg/kg	<.357
Benzo(a)anthracene	mg/kg	<.357
Benzo(b)fluoranthene	mg/kg	<.357
Benzo(k)fluoranthene	mg/kg	<.357
Benzo(ghi)perylene	mg/kg	<.357
Benzo(a)pyrene	mg/kg	<.357
Chrysene	mg/kg	<.357
Dibenzo(a,h)anthracene	mg/kg	<.357
Fluoranthene	mg/kg	<.357
Fluorene	mg/kg	<.357
Naphthalene	mg/kg	<.357
Phenanthrene	mg/kg	.857
Pyrene	mg/kg	<.357

DATA SUMMARY REPORT

DATL 01/11/95

PAGE: 3

Company: OHM REMEDIATION SERVICES CORPORATION

Sample Point ID: EX63BEDP4A EX63BEDP4B
 ASC Sample Number: JN6392 JN6393
 Sample Date: 941219 941219
 Facility Code: 016208C 016208C

Parameters Units

RCRA TCLP Leachate Herbicide Analysis, GC, (GS52)

2,4-D	mg/L	<.250	<.250
2,4,5-TP (Silvex)	mg/L	<.250	<.250

RCRA TCLP Leachate Pesticide Analysis, GC, (GS54)

Chlordane	mg/L	<.020	<.020
Endrin	mg/L	<.002	<.002
Heptachlor	mg/L	<.002	<.002
Heptachlor epoxide	mg/L	<.002	<.002
Lindane	mg/L	<.002	<.002
Methoxychlor	mg/L	<.002	<.002
Toxaphene	mg/L	<.040	<.040

Total Petroleum Hydrocarbon Analysis, IR (IR00)

Petroleum Hydrocarbons (IR)	mg/kg	504	293
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Sample Point ID: EX63BEDP4A
 ASC Sample Number: JN6392
 Sample Date: 941219
 Facility Code: 016208C

Parameters Units

RCRA Total Metals Analysis, (ME50)

Arsenic	mg/kg	13.8
Barium	mg/kg	15.0
Cadmium	mg/kg	<1.00
Chromium	mg/kg	8.28
Lead	mg/kg	17.2
Mercury	mg/kg	<.047
Selenium	mg/kg	<5.00
Silver	mg/kg	<1.00

DATA SUMMARY REPORT

DATE: 01/11/95

PAGE: 4

Company: OHM REMEDIATION SERVICES CORPORATION

Sample Point ID: EX63BEDP4A EX63BEDP4B
ASC Sample Number: JN6392 JN6393
Sample Date: 941219 941219
Facility Code: 016208C 016208C

Parameters Units

RCRA TCLP Leachate Metals Analysis, (ME52)

Arsenic	mg/L	<.100	<.100
Barium	mg/L	.443	.375
Cadmium	mg/L	<.005	<.005
Chromium	mg/L	<.020	<.020
Lead	mg/L	<.100	<.100
Mercury	mg/L	<.001	<.001
Selenium	mg/L	<.100	<.100
Silver	mg/L	<.020	<.020
Copper	mg/L	.091	.031
Zinc	mg/L	<.200	<.200

RCRA TCLP Leachate Base/Neutral/Acid Analysis, MS, (MS52)

2,4-Dinitrotoluene	mg/L	<.100	<.100
Hexachlorobenzene	mg/L	<.100	<.100
Hexachloroethane	mg/L	<.100	<.100
Hexachlorobutadiene	mg/L	<.100	<.100
2-Methylphenol	mg/L	<.100	<.100
4-Methylphenol	mg/L	<.100	<.100
Nitrobenzene	mg/L	<.100	<.100
Pentachlorophenol	mg/L	<.100	<.100
Pyridine	mg/L	<.100	<.100
2,4,5-Trichlorophenol	mg/L	<.100	<.100
2,4,6-Trichlorophenol	mg/L	<.100	<.100

DATA SUMMARY REPORT

DATE 01/11/95

PAGE: 5

Company: OHM REMEDIATION SERVICES CORPORATION

Sample Point ID: EX63BED4AG
 ASC Sample Number: JN6394
 Sample Date: 941219
 Facility Code: 016208C

Parameters Units

Total Volatile Analysis, MS, (MV00)

Acetone	mg/kg	.025
Acrolein	mg/kg	<.043
Acrylonitrile	mg/kg	<.021
Benzene	mg/kg	<.009
Bromoform	mg/kg	<.009
Carbon disulfide	mg/kg	<.009
Carbon tetrachloride	mg/kg	<.009
Chlorobenzene	mg/kg	<.009
Chlorodibromomethane	mg/kg	<.009
Chloroethane	mg/kg	<.009
Chloroform	mg/kg	<.009
2-Chloroethylvinyl ether	mg/kg	<.009
Dichlorobromomethane	mg/kg	<.009
1,1-Dichloroethane	mg/kg	<.009
1,2-Dichloroethane	mg/kg	<.009
1,1-Dichloroethylene	mg/kg	<.009
1,2-Dichloropropane	mg/kg	<.009
cis-1,3-Dichloropropylene	mg/kg	<.009
trans-1,3-Dichloropropylene	mg/kg	<.009
Ethylbenzene	mg/kg	<.009
2-Hexanone	mg/kg	<.009
Methyl bromide	mg/kg	<.009
Methyl chloride	mg/kg	<.009
Methylene chloride	mg/kg	<.009
Methyl ethyl ketone	mg/kg	<.009
Methyl-iso-butyl ketone	mg/kg	<.017
Styrene	mg/kg	<.009
1,1,2,2-Tetrachloroethane	mg/kg	<.009
Tetrachloroethylene	mg/kg	<.009
Toluene	mg/kg	<.009
1,1,1-Trichloroethane	mg/kg	<.009
1,1,2-Trichloroethane	mg/kg	<.009
Trichloroethylene	mg/kg	<.009
1,2-Trans-dichloroethylene	mg/kg	<.009
Vinyl chloride	mg/kg	<.009

DATA SUMMARY REPORT

DATE 01/11/95

PAGE: 6

Company: OHM REMEDIATION SERVICES CORPORATION

Sample Point ID: EX63BED4AG
ASC Sample Number: JN6394
Sample Date: 941219
Facility Code: 016208C

Parameters	Units
------------	-------

Total Volatile Analysis, MS, (MV00)

Xylenes	mg/kg	.023
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Sample Point ID: EX63BEDP4A EX63BEDP4B
ASC Sample Number: JN6392 JN6393
Sample Date: 941219 941219
Facility Code: 016208C 016208C

Parameters	Units
------------	-------

RCRA TCLP Leachate (ZHE) Volatile Analysis, MS, (MV50)

Benzene	mg/L	<.125	<.125
Carbon tetrachloride	mg/L	<.125	<.125
Chlorobenzene	mg/L	<.125	<.125
Chloroform	mg/L	<.125	<.125
1,4-Dichlorobenzene	mg/L	<.125	<.125
1,2-Dichloroethane	mg/L	<.125	<.125
1,1-Dichloroethylene	mg/L	<.125	<.125
Methyl ethyl ketone	mg/L	<.125	<.125
Tetrachloroethylene	mg/L	<.125	<.125
Trichloroethylene	mg/L	<.125	<.125
Vinyl chloride	mg/L	<.125	<.125

APPENDIX B
QUANTITATIVE RESULTS

CONVENTIONAL DATA (CV10)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP4A

JN6392

Compounds		Sample Results	Detection Limits	Blank Results	Batch Number
Reactive Cyanide	mg/kg	ND	10.0	ND	Q2I4081
Reactive Sulfide	mg/kg	ND	20.0	ND	Q2I4080
Solids, Total	%	91.7	.100	-	
pH (Electrode)	std	5.74	-	-	
Flash Point, Seta Flash	Deg C	>93	-	-	

CONVENTIONAL DATA (CV10)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP4B

JN6393

Compounds		Sample Results	Detection Limits	Blank Results	Batch Number
Reactive Cyanide	mg/kg	ND	10.0	ND	Q2I4081
Reactive Sulfide	mg/kg	ND	20.0	ND	Q2I4080
Solids, Total	%	91.8	.100	-	
pH (Electrode)	std	6.36	-	-	
Flash Point, Seta Flash	Deg C	>93	-	-	

CONVENTIONAL DATA (CV10)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BED4AG

JN6394

Compounds	Sample Results	Detection Limits	Blank Results	Batch Number
Solids, Total %	57.9	.100	-	

RCRA TOTAL METALS ANALYSIS, (ME50)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP4A

JN6392

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Arsenic	13.8	5.00	ND	Q2M5784
Barium	15.0	1.00	ND	Q2M5784
Cadmium	ND	1.00	ND	Q2M5784
Chromium	8.28	1.00	ND	Q2M5784
Lead	17.2	2.00	ND	Q2M5784
Mercury	ND	.047	ND	N2G5807
Selenium	ND	5.00	ND	Q2M5784
Silver	ND	1.00	ND	Q2M5784

TOTAL PESTICIDE AND PCB ANALYSIS, GC, (GS05)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORPORATION	016208C	EX63BEDP4A	JN6392

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Aldrin	ND	.018	ND	Q2P41899
Alpha-BHC	ND	.018	ND	Q2P41899
Beta-BHC	ND	.018	ND	Q2P41899
Chlordane	ND	.184	ND	Q2P41899
4,4'-DDD	ND	.018	ND	Q2P41899
4,4'-DDE	.037	.018	ND	Q2P41899
4,4'-DDT	.078	.018	ND	Q2P41899
Delta-BHC	ND	.018	ND	Q2P41899
Dieldrin	ND	.018	ND	Q2P41899
Endosulfan sulfate	ND	.018	ND	Q2P41899
Endosulfan I	ND	.018	ND	Q2P41899
Endosulfan II	ND	.018	ND	Q2P41899
Endrin	ND	.018	ND	Q2P41899
Endrin aldehyde	ND	.018	ND	Q2P41899
Endrin ketone	ND	.018	ND	Q2P41899
Gamma-BHC	ND	.018	ND	Q2P41899
Heptachlor	ND	.018	ND	Q2P41899
Heptachlor epoxide	ND	.018	ND	Q2P41899
Methoxychlor	ND	.018	ND	Q2P41899
Toxaphene	ND	.368	ND	Q2P41899
Aroclor 1016	ND	.184	ND	Q2P41899
Aroclor 1221	ND	.184	ND	Q2P41899
oclor 1232	ND	.184	ND	Q2P41899
oclor 1242	ND	.184	ND	Q2P41899
Aroclor 1248	ND	.184	ND	Q2P41899
Aroclor 1254	ND	.184	ND	Q2P41899
Aroclor 1260	ND	.184	ND	Q2P41899

PRIORITY POLLUTANT PNA ANALYSIS, GC, (GS16)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORPORATION	016208C	EX63BEDP4A	JN6392

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Acenaphthene	ND	.357	ND	Q2F41898
Acenaphthylene	ND	.357	ND	Q2F41898
Anthracene	ND	.357	ND	Q2F41898
Benzo (a) anthracene	ND	.357	ND	Q2F41898
Benzo (b) fluoranthene	ND	.357	ND	Q2F41898
Benzo (k) fluoranthene	ND	.357	ND	Q2F41898
Benzo (ghi) perylene	ND	.357	ND	Q2F41898
Benzo (a) pyrene	ND	.357	ND	Q2F41898
Chrysene	ND	.357	ND	Q2F41898
Dibenzo (a, h) anthracene	ND	.357	ND	Q2F41898
Fluoranthene	ND	.357	ND	Q2F41898
Fluorene	ND	.357	ND	Q2F41898
Naphthalene	ND	.357	ND	Q2F41898
Phenanthrene	.857	.357	ND	Q2F41898
Pyrene	ND	.357	ND	Q2F41898

TOTAL PETROLEUM HYDROCARBON ANALYSIS, IR (IR00)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP4A

JN6392

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Petroleum Hydrocarbons (IR)	504	35.5	ND	Q2T41901A

TOTAL PETROLEUM HYDROCARBON ANALYSIS, IR (IR00)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP4B

JN6393

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Petroleum Hydrocarbons (IR)	293	36.0	ND	Q2T41901A

TOTAL VOLATILE ANALYSIS, MS, (MV00)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORPORATION	016208C	EX63BED4AG	JN6394

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Acetone	.025	.017	ND	Q2V4130
Acrolein	ND	.043	ND	Q2V4130
Acrylonitrile	ND	.021	ND	Q2V4130
Benzene	ND	.009	ND	Q2V4130
Bromoform	ND	.009	ND	Q2V4130
Carbon disulfide	ND	.009	ND	Q2V4130
Carbon tetrachloride	ND	.009	ND	Q2V4130
Chlorobenzene	ND	.009	ND	Q2V4130
Chlorodibromomethane	ND	.009	ND	Q2V4130
Chloroethane	ND	.009	ND	Q2V4130
Chloroform	ND	.009	ND	Q2V4130
2-Chloroethylvinyl ether	ND	.009	ND	Q2V4130
Dichlorobromomethane	ND	.009	ND	Q2V4130
1,1-Dichloroethane	ND	.009	ND	Q2V4130
1,2-Dichloroethane	ND	.009	ND	Q2V4130
1,1-Dichloroethylene	ND	.009	ND	Q2V4130
1,2-Dichloropropane	ND	.009	ND	Q2V4130
cis-1,3-Dichloropropylene	ND	.009	ND	Q2V4130
trans-1,3-Dichloropropylene	ND	.009	ND	Q2V4130
Ethylbenzene	ND	.009	ND	Q2V4130
2-Hexanone	ND	.009	ND	Q2V4130
Methyl bromide	ND	.009	ND	Q2V4130
thyl chloride	ND	.009	ND	Q2V4130
chylene chloride	ND	.009	ND	Q2V4130
Methyl ethyl ketone	ND	.009	ND	Q2V4130
Methyl-iso-butyl ketone	ND	.017	ND	Q2V4130
Styrene	ND	.009	ND	Q2V4130
1,1,2,2-Tetrachloroethane	ND	.009	ND	Q2V4130
Tetrachloroethylene	ND	.009	ND	Q2V4130
Toluene	ND	.009	ND	Q2V4130
1,1,1-Trichloroethane	ND	.009	ND	Q2V4130
1,1,2-Trichloroethane	ND	.009	ND	Q2V4130
Trichloroethylene	ND	.009	ND	Q2V4130
1,2-Trans-dichloroethylene	ND	.009	ND	Q2V4130
Vinyl chloride	ND	.009	ND	Q2V4130
Xylenes	.023	.009	ND	Q2V4130

RCRA TCLP LEACHATE HERBICIDE ANALYSIS, GC, (GS52)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP4A

JN6392

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
2,4-D	ND	.250	ND	Q7H41918
2,4,5-TP (Silvex)	ND	.250	ND	Q7H41918

RCRA TCLP LEACHATE HERBICIDE ANALYSIS, GC, (GS52)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP4B

JN6393

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
2,4-D	ND	.250	ND	Q7H41918
2,4,5-TP (Silvex)	ND	.250	ND	Q7H41918

RCRA TCLP LEACHATE PESTICIDE ANALYSIS, GC, (GS54)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP4A

JN6392

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Chlordane	ND	.020	ND	Q7P41902
Endrin	ND	.002	ND	Q7P41902
Heptachlor	ND	.002	ND	Q7P41902
Heptachlor epoxide	ND	.002	ND	Q7P41902
Lindane	ND	.002	ND	Q7P41902
Methoxychlor	ND	.002	ND	Q7P41902
Toxaphene	ND	.040	ND	Q7P41902

RCRA TCLP LEACHATE PESTICIDE ANALYSIS, GC, (GS54)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP4B

JN6393

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Chlordane	ND	.020	ND	Q7P41902
Endrin	ND	.002	ND	Q7P41902
Heptachlor	ND	.002	ND	Q7P41902
Heptachlor epoxide	ND	.002	ND	Q7P41902
Lindane	ND	.002	ND	Q7P41902
Methoxychlor	ND	.002	ND	Q7P41902
Toxaphene	ND	.040	ND	Q7P41902

RCRA TCLP LEACHATE METALS ANALYSIS, (ME52)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP4A

JN6392

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Arsenic	ND	.100	ND	Q7M5806
Barium	.443	.100	.162	Q7M5806
Cadmium	ND	.005	ND	Q7M5806
Chromium	ND	.020	ND	Q7M5806
Lead	ND	.100	ND	Q7M5806
Mercury	ND	.001	ND	Q7G5822
Selenium	ND	.100	ND	Q7M5806
Silver	ND	.020	.023	Q7M5806
Copper	.091	.020	.022	Q7M5806
Zinc	ND	.200	ND	Q7M5806

RCRA TCLP LEACHATE METALS ANALYSIS, (ME52)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORPORATION	016208C	EX63BEDP4B	JN6393

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Arsenic	ND	.100	ND	Q7M5806
Barium	.375	.100	.162	Q7M5806
Cadmium	ND	.005	ND	Q7M5806
Chromium	ND	.020	ND	Q7M5806
Lead	ND	.100	ND	Q7M5806
Mercury	ND	.001	ND	Q7G5822
Selenium	ND	.100	ND	Q7M5806
Silver	ND	.020	.023	Q7M5806
Copper	.031	.020	.022	Q7M5806
Zinc	ND	.200	ND	Q7M5806

RCRA TCLP LEACHATE BASE/NEUTRAL/ACID ANALYSIS, MS, (MS52)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORPORATION	016208C	EX63BEDP4A	JN6392

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
2,4-Dinitrotoluene	ND	.100	ND	Q7C41913
Hexachlorobenzene	ND	.100	ND	Q7C41913
Hexachloroethane	ND	.100	ND	Q7C41913
Hexachlorobutadiene	ND	.100	ND	Q7C41913
2-Methylphenol	ND	.100	ND	Q7C41913
4-Methylphenol	ND	.100	ND	Q7C41913
Nitrobenzene	ND	.100	ND	Q7C41913
Pentachlorophenol	ND	.100	ND	Q7C41913
Pyridine	ND	.100	ND	Q7C41913
2,4,5-Trichlorophenol	ND	.100	ND	Q7C41913
2,4,6-Trichlorophenol	ND	.100	ND	Q7C41913

3-Methyl- and 4-Methylphenol coelute and are reported as the total

RCRA TCLP LEACHATE BASE/NEUTRAL/ACID ANALYSIS, MS, (MS52)

Company Name Facility Sample Point ASC Sample No.
OHM REMEDIATION SERVICES CORPORATION 016208C EX63BEDP4B JN6393

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
2,4-Dinitrotoluene	ND	.100	ND	Q7C41913
Hexachlorobenzene	ND	.100	ND	Q7C41913
Hexachloroethane	ND	.100	ND	Q7C41913
Hexachlorobutadiene	ND	.100	ND	Q7C41913
2-Methylphenol	ND	.100	ND	Q7C41913
4-Methylphenol	ND	.100	ND	Q7C41913
Nitrobenzene	ND	.100	ND	Q7C41913
Pentachlorophenol	ND	.100	ND	Q7C41913
Pyridine	ND	.100	ND	Q7C41913
2,4,5-Trichlorophenol	ND	.100	ND	Q7C41913
2,4,6-Trichlorophenol	ND	.100	ND	Q7C41913

3-Methyl- and 4-Methylphenol coelute and are reported as the total

RCRA TCLP LEACHATE (ZHE) VOLATILE ANALYSIS, MS, (MV50)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORPORATION	016208C	EX63BEDP4A	JN6392

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Benzene	ND	.125	ND	Q7V4132
Carbon tetrachloride	ND	.125	ND	Q7V4132
Chlorobenzene	ND	.125	ND	Q7V4132
Chloroform	ND	.125	ND	Q7V4132
1,4-Dichlorobenzene	ND	.125	ND	Q7V4132
1,2-Dichloroethane	ND	.125	ND	Q7V4132
1,1-Dichloroethylene	ND	.125	ND	Q7V4132
Methyl ethyl ketone	ND	.125	ND	Q7V4132
Tetrachloroethylene	ND	.125	ND	Q7V4132
Trichloroethylene	ND	.125	ND	Q7V4132
Vinyl chloride	ND	.125	ND	Q7V4132

RCRA TCLP LEACHATE (ZHE) VOLATILE ANALYSIS, MS, (MV50)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORPORATION	016208C	EX63BEDP4B	JN6393

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Benzene	ND	.125	ND	Q7V4132
Carbon tetrachloride	ND	.125	ND	Q7V4132
Chlorobenzene	ND	.125	ND	Q7V4132
Chloroform	ND	.125	ND	Q7V4132
1,4-Dichlorobenzene	ND	.125	ND	Q7V4132
1,2-Dichloroethane	ND	.125	ND	Q7V4132
1,1-Dichloroethylene	ND	.125	ND	Q7V4132
Methyl ethyl ketone	ND	.125	ND	Q7V4132
Tetrachloroethylene	ND	.125	ND	Q7V4132
Trichloroethylene	ND	.125	ND	Q7V4132
Vinyl chloride	ND	.125	ND	Q7V4132

APPENDIX C
QUALITY ASSURANCE DATA

SUMMARY OF ANALYTICAL METHODOLOGY

Parameter	Reference	Method
Conventionals		
Flash Point, Seta Flash	SW-846	1020
pH, Electrode (soil)	CLP	1.7.1.1
Reactive Cyanide	SW-846	7.3.3.2
Reactive Sulfide	SW-846	7.3.4.2
Solids, Total (solid)	CAWW	160.3
Metals		
Total Metals	SW-846	6010
Mercury by Cold Vapor	SW-846	7471
Organics		
Total Petroleum Hydrocarbons (TPHC) by IR	CAWW	418.1
Pesticides & PCBs by GC	SW-846	8080
Volatile Compounds by GC/MS	SW-846	8240
Priority Pollutant PNAs by GC/MS	SW-846	8270
RCRA TCLP		
Leachate Preparation	SW-846	1311
Herbicides by GC	SW-846	8150 (1)
Pesticides by GC	SW-846	8080
Metals	SW-846	6010
Mercury by Cold Vapor	SW-846	7470
Semi-volatile Compounds by GC/MS	SW-846	8270
Volatile Compounds by GC/MS	SW-846	8240

METHODOLOGY REFERENCES

ASTM	<i>American Society for Testing and Materials</i> , 1985 edition.
CAWW	<i>Methods for Chemical Analysis of Water and Wastes</i> , April 1979 and Updated #1 March 1983.
CLP	<i>USEPA Contract Laboratory Program</i> , Document #OLMO1.0, updates December 1990 #OLMO1.1 and February 1991 #OLMO1.1.1.
EPA-500	<i>USEPA Methods for the Determination of Organic Compounds in Drinking Water</i> , EPA-600/4-88/039 December 1988.
EPA-600	<i>USEPA Test Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater</i> , EPA-600/4-82-057 July 1982.
NIOSH	<i>National Institute for Occupational Safety and Health</i> , 3rd edition, 1984.
SMEWW	<i>Standard Methods for the Examination of Water and Wastewater</i> , 17th edition, 1989.
STOA	<i>Spot Tests In Organic Analysis</i> , 7th edition, 1966.
SW-846	<i>Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods</i> , 3rd edition, September 1986 and Update #1 July 1992.
(1)	This method was modified to incorporate the use of Boron Trifluoride (BF ₃) as the derivatizing reagent according to Method 6640 in <i>SMEWW</i> , 17th edition, 1989.
Title 22	<i>Waste Extraction Test</i> , Title 22, Section 66261.126 Appendix 2 of the California Administrative Code, May 1991.

ASC Certifications

State	Agency	Certification #
Alabama	ADEM	40830
California	CADOH	1178
Colorado	CODOH	OH113
Delaware	DEHSS	OH113
Kansas	KSDHE	E-202 & E-1173
Louisiana	LADOHH	92-10
Maryland	MDDHMH	210
Massachusetts	MADEP	M-OH113
New Jersey	NJDEPE	74603
New York	NYDOH	10712
North Carolina	NCDEM	392
Ohio	OHEPA	OH113
Oklahoma	OKDEQ	9216
Pennsylvania	PADER	68-450
South Carolina	SCDEHNR	92002
Tennessee	TNDOH/TNDEC	2978
Virginia	VADGS	00011
Washington	WADOE	C154
Wisconsin	WIDNR	999037160

Validated by:

- o US Army Corps of Engineers Chemical Analysis in Various Matrices

Approvals:

- o Chemical Waste Management Waste Characterization Analysis
- o EnviroSAFE Waste Characterization Analysis
- o USDA Permit for Importing Soils
- o Florida DEP Quality Assurance Plan #930034G
- o Naval Facilities Engineering Service Center Chemical Analysis in Various Matrices

REPORT KEY

mg/kg	= milligram per kilogram (ppm)
Mg/m ³	= milligram per cubic meter
ug/kg	= microgram per kilogram (ppb)
mg/L	= milligram per liter (ppm)
ug/L	= microgram per liter (ppb)
mg/W	= milligram per wipe
ug/W	= microgram per wipe
mg/SMP	= milligram per sample
ug/SMP	= microgram per sample (Tedlar Bag)
ug/smp	= microgram per sample
um/cm	= microMho per centimeter
pCi/l	= picocurie per liter
gm/cc	= grams per cubic centimeter
ppm	= parts per million
ppb	= parts per billion
ND	= Not detected at or above stated detection limit
<	= less than
>	= greater than
%	= percent
BTU/lb	= British Thermal Units per pound
Deg. C	= Degrees Celsius
n/a	= not applicable
Unk	= unknown
std	= result is relative to standard pH units
CV	= Conventional
IR	= Infrared Spectrophotometric
GC	= Gas Chromatograph Instrument
GC/MS	= Gas Chromatography/Mass Spectrometer Instrument
GRO	= Gasoline Range Organics
DRO	= Diesel Range Organics
PCB	= Polychlorinated Biphenyls (PCBs)
EP TOX	= Extraction Procedure Toxicity
TCLP	= Toxicity Characteristic Leaching Procedure
RCRA	= Resource Conservation and Recovery Act
SOW	= Statement of Work

CONVENTIONAL DATA (CV10)

Compounds		Blank Results	Blank Spike Recov	Unspiked Sample Results	Matrix Spike Recov	Relative Percent Diff	Batch Number
Reactive Cyanide	mg/kg	ND	66	-	-	-	Q2I4081
Reactive Sulfide	mg/kg	ND	58	-	-	-	Q2I4080

RCRA TOTAL METALS ANALYSIS, (ME50)

Mercury: Because the analyte was present in the unspiked sample at a high level, the spiked sample does not provide valid spike recovery data.

Mercury: Because the analyte was present in the unspiked sample at a high level, the spiked sample does not provide valid spike recovery data.

QUALITY ASSURANCE DATA

TOTAL PESTICIDE AND PCB ANALYSIS, GC, (GS05)

Compounds	Blank Results mg/kg	Blank Spike Recov	Unspiked Sample Results mg/kg	Matrix Spike Recov	Relative Percent Diff	Batch Number
Aldrin	ND	82	ND	71	3	Q2P41899
Alpha-BHC	ND	84	ND	61	4	Q2P41899
Beta-BHC	ND	87	ND	76	1	Q2P41899
Chlordane	ND	92	ND	93	3	Q2P41899
4,4'-DDD	ND	89	ND	77	3	Q2P41899
4,4'-DDE	ND	90	ND	80	3	Q2P41899
4,4'-DDT	ND	96	ND	92	12	Q2P41899
Delta-BHC	ND	89	ND	63	2	Q2P41899
Dieldrin	ND	90	ND	83	5	Q2P41899
Endosulfan sulfate	ND	78	ND	71	51	Q2P41899
Endosulfan I	ND	82	ND	86	2	Q2P41899
Endosulfan II	ND	76	ND	74	39	Q2P41899
Endrin	ND	92	ND	84	6	Q2P41899
Endrin aldehyde	ND	70	ND	71	21	Q2P41899
Endrin ketone	ND	85	ND	81	25	Q2P41899
Gamma-BHC	ND	87	ND	71	5	Q2P41899
Heptachlor	ND	87	ND	90	4	Q2P41899
Heptachlor epoxide	ND	88	ND	91	4	Q2P41899
Methoxychlor	ND	88	ND	88	5	Q2P41899

QUALITY ASSURANCE DATA

PRIORITY POLLUTANT PNA ANALYSIS, GC, (GS16)

Compounds	Blank Results mg/kg	Blank Spike Recov	Unspiked Sample Results mg/kg	Matrix Spike Recov	Relative Percent Diff	Batch Number
Acenaphthene	ND	93	ND	116	11	Q2F41898
Acenaphthylene	ND	74	ND	95	10	Q2F41898
Anthracene	ND	70	ND	128	4	Q2F41898
Benzo (a) anthracene	ND	85	ND	124	13	Q2F41898
Benzo (b) fluoranthene	ND	90	ND	118	7	Q2F41898
Benzo (k) fluoranthene	ND	116	ND	154	6	Q2F41898
Benzo (ghi) perylene	ND	37	ND	43	7	Q2F41898
Benzo (a) pyrene	ND	66	ND	102	2	Q2F41898
Chrysene	ND	98	ND	130	12	Q2F41898
Dibenzo (a, h) anthracene	ND	47	ND	49	15	Q2F41898
Fluoranthene	ND	100	ND	187	46	Q2F41898
Fluorene	ND	93	ND	122	8	Q2F41898
Naphthalene	ND	79	ND	93	0	Q2F41898
Phenanthrene	ND	100	ND	175	48	Q2F41898
Pyrene	ND	102	ND	166	38	Q2F41898

QUALITY ASSURANCE DATA

TOTAL PETROLEUM HYDROCARBON ANALYSIS, IR (IR00)

Compounds	Blank Results mg/kg	Blank Spike Recov	Unspiked Sample Results mg/kg	Matrix Spike Recov	Relative Percent Diff	Batch Number
Petroleum Hydrocarbons (IR)	ND	90	480	219	29	Q2T41901A

Because the analyte was present in the unspiked sample at a high level,
the spiked sample does not provide valid spike recovery data.

TOTAL VOLATILE ANALYSIS, MS, (MV00)

RCRA TCLP LEACHATE HERBICIDE ANALYSIS, GC, (GS52)

Compounds	Blank Results mg/L	Blank Spike Recov	Unspiked Sample Results mg/L	Matrix Spike Recov	Relative Percent Diff	Batch Number
2,4-D	ND	75	ND	46	13	Q7H41918
2,4,5-TP (Silvex)	ND	104	ND	61	11	Q7H41918

RCRA TCLP LEACHATE PESTICIDE ANALYSIS, GC, (GS54)

[illegible]

QUALITY ASSURANCE DATA

RCRA TCLP LEACHATE METALS ANALYSIS, (ME52)

Compounds	Blank Results mg/L	Blank Spike Recov	Unspiked Sample Results mg/L	Matrix Spike Recov	Relative Percent Diff	Batch Number
Arsenic	ND	81	ND	83	2	Q7M5806
Barium	.162	81	.375	85	3	Q7M5806
Cadmium	ND	89	ND	92	1	Q7M5806
Chromium	ND	81	ND	82	2	Q7M5806
Lead	ND	84	ND	86	1	Q7M5806
Mercury	ND	102	ND	102	2	Q7G5822
Selenium	ND	79	ND	83	3	Q7M5806
Silver	.023	88	ND	95	6	Q7M5806
Copper	.022	81	.031	85	2	Q7M5806
Zinc	ND	79	ND	87	2	Q7M5806

QUALITY ASSURANCE DATA

RCRA TCLP LEACHATE BASE/NEUTRAL/ACID ANALYSIS, MS, (MS52)

Compounds	Blank Results mg/L	Blank Spike Recov	Unspiked Sample Results mg/L	Matrix Spike Recov	Relative Percent Diff	Batch Number
2,4-Dinitrotoluene	ND	88	ND	93	14	Q7C41913
Hexachlorobenzene	ND	110	ND	30	20	Q7C41913
Hexachloroethane	ND	35	ND	20	58	Q7C41913
Hexachlorobutadiene	ND	43	ND	18	64	Q7C41913
2-Methylphenol	ND	75	ND	59	36	Q7C41913
4-Methylphenol	ND	72	ND	59	31	Q7C41913
Nitrobenzene	ND	73	ND	55	39	Q7C41913
Pentachlorophenol	ND	88	ND	91	7	Q7C41913
Pyridine	ND	52	ND	39	38	Q7C41913
2,4,5-Trichlorophenol	ND	79	ND	70	23	Q7C41913
2,4,6-Trichlorophenol	ND	79	ND	63	33	Q7C41913

3-Methyl- and 4-Methylphenol coelute and are reported as the total

QUALITY ASSURANCE DATA

RCRA TCLP LEACHATE (ZHE) VOLATILE ANALYSIS, MS, (MV50)

Compounds	Blank Results mg/L	Blank Spike Recov	Unspiked Sample Results mg/L	Matrix Spike Recov	Relative Percent Diff	Batch Number
Benzene	ND	97	ND	99	9	Q7V4132
Carbon tetrachloride	ND	97	ND	100	13	Q7V4132
Chlorobenzene	ND	91	ND	90	5	Q7V4132
Chloroform	ND	97	ND	94	4	Q7V4132
1,4-Dichlorobenzene	ND	74	ND	80	6	Q7V4132
1,2-Dichloroethane	ND	99	ND	93	2	Q7V4132
1,1-Dichloroethylene	ND	90	ND	83	1	Q7V4132
Methyl ethyl ketone	ND	90	ND	82	0	Q7V4132
Tetrachloroethylene	ND	95	ND	93	7	Q7V4132
Trichloroethylene	ND	98	ND	99	7	Q7V4132
Vinyl chloride	ND	86	ND	79	5	Q7V4132

QUALITY ASSURANCE DATA SURROGATE SUMMARY REPORT

SURROGATE ID	A159	B732	A121	A884	A158	B142	# OUT
C BATCH: Q7C41913 Leachate (Semi-Volatile organics by MS)							
SAMPLE ID							
BLANK	69	71	77	76	70	61	0
BLANK SPIKE	71	75	79	79	74	96	0
EX63BEDP2A MD	64	68	75	72	73	86	0
EX63BEDP2A MS	57	62	83	61	60	98	0
EX63BEDP4A	58	60	74	68	68	78	0
EX63BEDP4B	69	69	77	78	75	81	0
QC LIMITS	(21-110)	(10-110)	(10-123)	(35-114)	(43-116)	(33-141)	

SURROGATE ID	F044	# OUT
QC BATCH: Q2F41898 Solid (Organics by GC-FID)		
SAMPLE ID		
BLANK	67	0
BLANK SPIKE	72	0
EX63BEDP4A	128	0
EX63BEDP4B MD	94	0
EX63BEDP4B MS	82	0
EXUST2651A MD	94	0
EXUST2651A MS	82	0
QC LIMITS	(39-130)	

SURROGATE ID	F047	# OUT
QC BATCH: Q7H41918 Leachate (Herbicide compounds by GC)		
SAMPLE ID		
BLANK	99	0
BLANK SPIKE	122	0
EX63BEDP2A MD	110	0
EX63BEDP2A MS	115	0
EX63BEDP4A	84	0
EX63BEDP4B	71	0
QC LIMITS	(30-130)	

SURROGATE ID	
A047 = 1,2-Dichloroethane-D4	A500 = Decachlorobiphenyl
B185 = Toluene-D8	F044 = 2-Fluorobiphenyl (GC)
B668 = Bromofluorobenzene	F047 = 2,4-Dichlorophenylacetic-acid
A159 = 2-Fluorophenol	
B732 = Phenol-D6	
A121 = 2,4,6-Tribromophenol	
A884 = Nitrobenzene-D5	
A158 = 2-Fluorobiphenyl	
B142 = Terphenyl-D14	
B816 = 2,4,5,6-Tetrachloro-m-xylene	

* Values outside of method quality control limits
D Sample was diluted, however, some surrogates may be reported if results were observed.

It is ASC's laboratory policy to allow one surrogate per sample fraction (acid, base-neutral or pesticide) to exceed the stated QC limits. This policy is based upon the USEPA SOW for the Contract Laboratory Program (CLP).

QUALITY ASSURANCE DATA SURROGATE SUMMARY REPORT

SURROGATE ID	B816	A500	#	OUT
QC BATCH: Q2P41899 Solid (Pesticide compounds by GC)				
SAMPLE ID				
BLANK	83	73	0	
BLANK SPIKE	81	73	0	
EX63BEDP4A	50	71	0	
EXUST2651A MD	65	82	0	
EXUST2651A MS	68	84	0	
QC LIMITS	(30-130)	(30-130)		

SURROGATE ID	B816	A500	#	OUT
QC BATCH: Q7P41902 Leachate (Pesticide compounds by GC)				
SAMPLE ID				
BLANK	96	96	0	
BLANK SPIKE	94	53	0	
EX63BEDP2A MD	99	102	0	
EX63BEDP2A MS	100	108	0	
EX63BEDP4A	93	103	0	
EX63BEDP4B	96	105	0	
QC LIMITS	(30-130)	(30-130)		

SURROGATE ID	A047	B185	B668	#	OUT
QC BATCH: Q2V4130 Solid (Volatile organics by MS)					
SAMPLE ID					
BLANK	100	113	105	0	
BLANK SPIKE	96	104	94	0	
EX63BED2AG MD	102	103	83	0	
EX63BED2AG MS	108	95	83	0	
EX63BED4AG	102	104	90	0	
QC LIMITS	(70-121)	(81-117)	(74-121)		
QC BATCH: Q7V4132 Leachate (Volatile organics by MS)					
SAMPLE ID					
BLANK	105	100	98	0	
BLANK SPIKE	109	102	98	0	
EX63BEDP2A MD	102	98	96	0	
EX63BEDP2A MS	105	98	95	0	
EX63BEDP4A	107	92	97	0	
EX63BEDP4B	103	94	92	0	
QC LIMITS	(70-121)	(81-117)	(74-121)		

SURROGATE ID	
A047 = 1,2-Dichloroethane-D4	A500 = Decachlorobiphenyl
B185 = Toluene-D8	F044 = 2-Fluorobiphenyl (GC)
B668 = Bromofluorobenzene	F047 = 2,4-Dichlorophenylacetic-acid
A159 = 2-Fluorophenol	
B732 = Phenol-D6	
A121 = 2,4,6-Tribromophenol	
A884 = Nitrobenzene-D5	
A158 = 2-Fluorobiphenyl	
B142 = Terphenyl-D14	
B816 = 2,4,5,6-Tetrachloro-m-xylene	

* Values outside of method quality control limits
D Sample was diluted, however, some surrogates may be reported if results were observed.

It is ASC's laboratory policy to allow one surrogate per sample fraction (acid, base-neutral or pesticide) to exceed the stated QC limits. This policy is based upon the USEPA SOW for the Contract Laboratory Program (CLP).

APPENDIX D
CHAIN-OF-CUSTODY RECORD(S)



OHM Corporation

CHAIN-OF-CUSTODY RECORD

Form 0015
Field Analytical Services
Rev. 08/89

No. 107758

O.H. MATERIALS CORP. • P.O. BOX 551 • FINDLAY, OH 45839-0551 • 419-423-3526

PROJECT NAME <i>Fort Devens</i>		PROJECT LOCATION <i>Ayer M2</i>		NUMBER OF CONTAINERS	ANALYSIS DESIRED (INDICATE SEPARATE CONTAINERS)										REMARKS
PROJ. NO. <i>16208</i>	PROJECT CONTACT <i>Mike Quinlan</i>	PROJECT TELEPHONE NO. <i>(508) 772-2019</i>			<div style="display: flex; justify-content: space-between;"> <div>Full TCLP</div> <div>PCRA Chlor</div> <div>PAH</div> <div>PCB/pest</div> <div>PCRA metals</div> <div>Total VOC</div> </div>										
CLIENT'S REPRESENTATIVE <i>Tina Coleman (USACE)</i>		PROJECT MANAGER/SUPERVISOR <i>BITI Snow</i>													
ITEM NO.	SAMPLE NUMBER	DATE	TIME												
1	EXG3BEDP4A	12/19/94	1518	✓		Grey clay & sandy soil, lots of cobble	1X1L	✓	✓	✓	✓	✓	✓		
2	EXG3BEDP4B		1507	✓		mostly brown sand, some grey clay	1X1L	✓	✓	✓					
3	EXG3BEDP4AG		1511	✓		grey clay	2x40ml VCA						✓		
4															
5															
6															
7															
8															
9															
10															

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME	REMARKS
1	1-3	<i>JRB</i>	<i>Fred Ex Averbill</i> 2989345936	12/19/94	1900	<ul style="list-style-type: none"> • preserved 4°C • Temp blank included • 5 day TAT • All composites are 5 point collections
2	1-3	<i>Fred Ex 2989345936</i>	<i>Danita Jensen</i>	12/20/94	09:46	
3						
4						

TEMP. 2°C H.T.D.

SAMPLER'S SIGNATURE: *JRB*

LAB COPY



OHM Remediation
Services Corp.

A Subsidiary of OHM Corporation

ANALYTICAL DIVISION

Laboratory Analysis Report

Client: OHM Remediation Services Corp.
Eastern Region (Hopkinton, MA)

Attn: William Snow
Ron Kenyon
Mike Quinlan

Project: 16208C - USACE; Fort Devens, MA

Sample Type(s): Solid

Analysis Performed: Conventionals, Metals, Organic and
RCRA TCLP Leachate Parameters

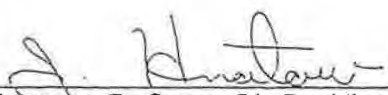
Date Sample Received: December 21, 1994

Date Order Received: December 21, 1994

Joblink(s): 617309

*This report is **"PROPRIETARY AND CONFIDENTIAL"** and delivered to, and intended for the exclusive use of the above named client only. OHM Remediation Services Corp., Analytical Division, assumes no responsibility or liability for the reliance hereon or use hereof by anyone other than the above named client.*

Reviewed and Approved by:


Thomas E. Gran, Ph.D., Vice President

Date: January 19, 1995

PROJECT NARRATIVE

The following items relate to the samples and analytical data contained in this report.

- o All solid sample results except conventionals, are reported on a "dry weight" basis.
- o The identity of all pesticide and herbicide compounds were confirmed by secondary column analysis.
- o Note any and all comments at the bottom of the tables in Appendix B and/or Appendix C.
- o Samples will be retained for a maximum of thirty (30) days after completion of the analysis, samples will be held for a longer period of time, if appropriate arrangements are made in advance. A nominal disposal charge of \$5.00/ sample will be imposed for unreturned samples.
- o High matrix spike recoveries and RPD values between the matrix spike/matrix spike duplicate were attributable to matrix interferences.
- o High surrogate recoveries for the PNA analysis were attributable to matrix interferences.

APPENDIX A
DATA SUMMARY REPORT

NOTE: The Tentatively Identified Volatile (GC/MS) Screen result(s), if applicable, is included in Appendix B.

DATA SUMMARY REPORT

DATE: 01/16/95

PAGE: 1

Company: OHM REMEDIATION SERVICES CORPORATION

Sample Point ID:	EX63BEDP5A	EX63BEDUP	EX63BEDP1A	EX63BEDP3A	EX63BEDP5B	EX63BEDP1B	EX63BEDP1C	EX63BEDP3B
ASC Sample Number:	JN6449	JN6450	JN6451	JN6452	JN6705	JN6706	JN6707	JN6708
Sample Date:	941220	941220	941220	941220	941220	941220	941220	941220
Facility Code:	016208C	016208C	016208C	016208C	016208C	016208C	016208C	016208C

Parameters Units

Conventional Data (CV10)

Flash Point, Seta Flash	Deg C	>93	>93	>93	>93	>93	>93	>93	>93
Reactive Cyanide	mg/kg	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Reactive Sulfide	mg/kg	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0
Solids, Total	%	92.3	92.4	92.4	90.8	92.1	90.8	89.9	90.4
pH (Electrode)	std	5.73	5.76	6.39	6.22	5.39	6.02	6.00	5.87

Sample Point ID:	EX63BED1AG	EX63BED5AG	EX63BED3AG	EX63BEDUPG
ASC Sample Number:	JN6709	JN6710	JN6711	JN6712
Sample Date:	941220	941220	941220	941220
Facility Code:	016208C	016208C	016208C	016208C

Parameters Units

Conventional Data (CV10)

Flash Point, Seta Flash	Deg C	-	-	-	-
Reactive Cyanide	mg/kg	-	-	-	-
Reactive Sulfide	mg/kg	-	-	-	-
Solids, Total	%	90.8	86.2	89.8	88.0
pH (Electrode)	std	-	-	-	-

DATA SUMMARY REPORT

DATE: 01/16/95

PAGE: 2

Company: OHM REMEDIATION SERVICES CORPORATION

Sample Point ID:	EX63BEDP5A	EX63BEDUP	EX63BEDP1A	EX63BEDP3A
ASC Sample Number:	JN6449	JN6450	JN6451	JN6452
Sample Date:	941220	941220	941220	941220
Facility Code:	016208C	016208C	016208C	016208C

Parameters	Units
------------	-------

Total Pesticide and PCB Analysis, GC, (GS05)

Aldrin	mg/kg	<.018	<.018	<.018	<.018
Alpha-BHC	mg/kg	<.018	<.018	<.018	<.018
Beta-BHC	mg/kg	<.018	<.018	<.018	<.018
Chlordane	mg/kg	<.181	<.181	<.181	<.183
4,4'-DDD	mg/kg	<.018	<.018	<.018	<.018
4,4'-DDE	mg/kg	<.018	<.018	<.018	<.018
4,4'-DDT	mg/kg	.130	.141	.103	<.018
Delta-BHC	mg/kg	<.018	<.018	<.018	<.018
Dieldrin	mg/kg	<.018	<.018	<.018	<.018
Endosulfan sulfate	mg/kg	<.018	<.018	<.018	<.018
Endosulfan I	mg/kg	<.018	<.018	<.018	<.018
Endosulfan II	mg/kg	<.018	<.018	<.018	<.018
Endrin	mg/kg	<.018	<.018	<.018	<.018
Endrin aldehyde	mg/kg	<.018	<.018	<.018	<.018
Endrin ketone	mg/kg	<.018	<.018	<.018	<.018
Gamma-BHC	mg/kg	<.018	<.018	<.018	<.018
Heptachlor	mg/kg	<.018	<.018	<.018	<.018
Heptachlor epoxide	mg/kg	<.018	<.018	<.018	<.018
Methoxychlor	mg/kg	<.018	<.018	<.018	<.018
Toxaphene	mg/kg	<.361	<.361	<.361	<.366
Aroclor 1016	mg/kg	<.181	<.181	<.181	<.183
Aroclor 1221	mg/kg	<.181	<.181	<.181	<.183
Aroclor 1232	mg/kg	<.181	<.181	<.181	<.183
Aroclor 1242	mg/kg	<.181	<.181	<.181	<.183
Aroclor 1248	mg/kg	<.181	<.181	<.181	<.183
Aroclor 1254	mg/kg	<.181	<.181	<.181	<.183
Aroclor 1260	mg/kg	<.181	<.181	<.181	<.183

Priority Pollutant PNA Analysis, GC, (GS16)

Acenaphthene	mg/kg	.236	.246	<.036	2.96
Acenaphthylene	mg/kg	.356	.307	.181	2.83
Anthracene	mg/kg	2.87	1.84	.161	2.13
Benzo(a)anthracene	mg/kg	<.071	.060	.128	<.181
Benzo(b)fluoranthene	mg/kg	<.071	.066	.212	<.181
Benzo(k)fluoranthene	mg/kg	<.071	.045	.105	<.181

DATE: 01/16/95

PAGE: 3

Company: OHM REMEDIATION SERVICES CORPORATION

Sample Point ID:	EX63BEDP5A	EX63BEDUP	EX63BEDP1A	EX63BEDP3A
ASC Sample Number:	JN6449	JN6450	JN6451	JN6452
Sample Date:	941220	941220	941220	941220
Facility Code:	016208C	016208C	016208C	016208C

Parameters	Units
------------	-------

Priority Pollutant PNA Analysis, GC, (GS16)

Benzo (ghi) perylene	mg/kg	<.071	.097	.139	<.181
Benzo (a) pyrene	mg/kg	<.071	.071	.154	<.181
Chrysene	mg/kg	<.071	.064	.158	<.181
Dibenzo (a, h) anthracene	mg/kg	<.071	.098	.142	<.181
Fluoranthene	mg/kg	.182	.341	.155	.460
Fluorene	mg/kg	.674	.669	<.036	2.20
Naphthalene	mg/kg	.509	.462	<.036	.572
Phenanthrene	mg/kg	1.05	.377	.050	.969
Pyrene	mg/kg	.084	.273	.170	.306

[illegible]

Parameters	Units
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RCRA TCLP Leachate Herbicide Analysis, GC, (GS52)

[illegible]

RCRA TCLP Leachate Pesticide Analysis, GC, (GS54)

[illegible]

DATE: 01/16/95

PAGE: 4

Company: OHM REMEDIATION SERVICES CORPORATION

[illegible]

Parameters	Units
------------	-------

Total Petroleum Hydrocarbon Analysis, IR (IR00)

Petroleum Hydrocarbons (IR)	mg/kg	348	362	173	403	411	152	389	589
-----------------------------	-------	-----	-----	-----	-----	-----	-----	-----	-----

Sample Point ID:	EX63BEDP5A	EX63BEDUP	EX63BEDP1A	EX63BEDP3A
ASC Sample Number:	JN6449	JN6450	JN6451	JN6452
Sample Date:	941220	941220	941220	941220
Facility Code:	016208C	016208C	016208C	016208C

Parameters	Units
------------	-------

RCRA Total Metals Analysis, (ME50)

Arsenic	mg/kg	14.9	17.8	17.6	16.3
Barium	mg/kg	14.5	15.0	15.2	17.2
Cadmium	mg/kg	<1.08	<.889	<1.06	<1.03
Chromium	mg/kg	11.9	11.7	11.5	11.4
Lead	mg/kg	12.1	12.1	18.5	6.90
Mercury	mg/kg	<.050	<.050	<.050	<.050
Selenium	mg/kg	<5.41	<4.44	<5.32	<5.13
Silver	mg/kg	<1.08	<.889	<1.06	<1.03

[illegible]

Parameters	Units
------------	-------

RCRA TCLP Leachate Metals Analysis, (ME52)

[illegible]

DATA SUMMARY REPORT

DATE: 01/16/95

PAGE: 5

Company: OHM REMEDIATION SERVICES CORPORATION

Sample Point ID:	EX63BEDP5A	EX63BEDUP	EX63BEDP1A	EX63BEDP3A	EX63BEDP5B	EX63BEDP1B	EX63BEDP1C	EX63BEDP3B
ASC Sample Number:	JN6449	JN6450	JN6451	JN6452	JN6705	JN6706	JN6707	JN6708
Sample Date:	941220	941220	941220	941220	941220	941220	941220	941220
Facility Code:	016208C	016208C	016208C	016208C	016208C	016208C	016208C	016208C

Parameters Units

RCRA TCLP Leachate Metals Analysis, (ME52)

Parameters	Units	EX63BEDP5A	EX63BEDUP	EX63BEDP1A	EX63BEDP3A	EX63BEDP5B	EX63BEDP1B	EX63BEDP1C	EX63BEDP3B
Mercury	mg/L	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001
Selenium	mg/L	<.100	<.100	<.100	<.100	<.100	<.100	<.100	<.100
Silver	mg/L	<.020	<.020	<.020	<.020	<.020	<.020	<.020	<.020
Copper	mg/L	.028	.034	<.020	.049	.022	<.020	.026	<.020
Zinc	mg/L	<.200	<.200	<.200	<.200	.280	.211	.227	.242

RCRA TCLP Leachate Base/Neutral/Acid Analysis, MS, (MS52)

Parameters	Units	EX63BEDP5A	EX63BEDUP	EX63BEDP1A	EX63BEDP3A	EX63BEDP5B	EX63BEDP1B	EX63BEDP1C	EX63BEDP3B
2,4-Dinitrotoluene	mg/L	<.100	<.100	<.100	<.100	<.100	<.100	<.100	<.100
Hexachlorobenzene	mg/L	<.100	<.100	<.100	<.100	<.100	<.100	<.100	<.100
Hexachloroethane	mg/L	<.100	<.100	<.100	<.100	<.100	<.100	<.100	<.100
Hexachlorobutadiene	mg/L	<.100	<.100	<.100	<.100	<.100	<.100	<.100	<.100
2-Methylphenol	mg/L	<.100	<.100	<.100	<.100	<.100	<.100	<.100	<.100
4-Methylphenol	mg/L	<.100	<.100	<.100	<.100	<.100	<.100	<.100	<.100
Nitrobenzene	mg/L	<.100	<.100	<.100	<.100	<.100	<.100	<.100	<.100
Pentachlorophenol	mg/L	<.100	<.100	<.100	<.100	<.100	<.100	<.100	<.100
Pyridine	mg/L	<.100	<.100	<.100	<.100	<.100	<.100	<.100	<.100
2,4,5-Trichlorophenol	mg/L	<.100	<.100	<.100	<.100	<.100	<.100	<.100	<.100
2,4,6-Trichlorophenol	mg/L	<.100	<.100	<.100	<.100	<.100	<.100	<.100	<.100

Sample Point ID:	EX63BED1AG	EX63BED5AG	EX63BED3AG	EX63BEDUPG
ASC Sample Number:	JN6709	JN6710	JN6711	JN6712
Sample Date:	941220	941220	941220	941220
Facility Code:	016208C	016208C	016208C	016208C

Parameters Units

Total Volatile Analysis, MS, (MV00)

Parameters	Units	EX63BED1AG	EX63BED5AG	EX63BED3AG	EX63BEDUPG
Acetone	mg/kg	.011	.057	.014	.062
Acrolein	mg/kg	<.027	<.065	<.028	<.027
Acrylonitrile	mg/kg	<.014	<.032	<.014	<.014
Benzene	mg/kg	<.005	<.013	<.006	<.005
Bromoform	mg/kg	<.005	<.013	<.006	<.005
Carbon disulfide	mg/kg	<.005	<.013	<.006	<.005

DATA SUMMARY REPORT

DATE: 01/16/95

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Company: OHM REMEDIATION SERVICES CORPORATION

Sample Point ID:	EX63BED1AG	EX63BED5AG	EX63BED3AG	EX63BEDUPG
ASC Sample Number:	JN6709	JN6710	JN6711	JN6712
Sample Date:	941220	941220	941220	941220
Facility Code:	016208C	016208C	016208C	016208C

Parameters	Units
------------	-------

Total Volatile Analysis, MS, (MV00)

Carbon tetrachloride	mg/kg	<.005	<.013	<.006	<.005
Chlorobenzene	mg/kg	<.005	<.013	<.006	<.005
Chlorodibromomethane	mg/kg	<.005	<.013	<.006	<.005
Chloroethane	mg/kg	<.005	<.013	<.006	<.005
Chloroform	mg/kg	<.005	<.013	<.006	<.005
2-Chloroethylvinyl ether	mg/kg	<.005	<.013	<.006	<.005
Dichlorobromomethane	mg/kg	<.005	<.013	<.006	<.005
1,1-Dichloroethane	mg/kg	<.005	<.013	<.006	<.005
1,2-Dichloroethane	mg/kg	<.005	<.013	<.006	<.005
1,1-Dichloroethylene	mg/kg	<.005	<.013	<.006	<.005
1,2-Dichloropropane	mg/kg	<.005	<.013	<.006	<.005
cis-1,3-Dichloropropylene	mg/kg	<.005	<.013	<.006	<.005
trans-1,3-Dichloropropylene	mg/kg	<.005	<.013	<.006	<.005
Ethylbenzene	mg/kg	<.005	.027	<.006	.031
2-Hexanone	mg/kg	<.005	<.013	<.006	<.005
Methyl bromide	mg/kg	<.005	<.013	<.006	<.005
Methyl chloride	mg/kg	<.005	<.013	<.006	<.005
Methylene chloride	mg/kg	<.005	<.013	<.006	<.005
Methyl ethyl ketone	mg/kg	<.005	<.013	<.006	.018
Methyl-iso-butyl ketone	mg/kg	<.011	<.026	<.011	<.011
Styrene	mg/kg	<.005	<.013	<.006	<.005
1,1,2,2-Tetrachloroethane	mg/kg	<.005	<.013	<.006	<.005
Tetrachloroethylene	mg/kg	<.005	<.013	<.006	<.005
Toluene	mg/kg	<.005	<.013	<.006	<.005
1,1,1-Trichloroethane	mg/kg	<.005	<.013	<.006	<.005
1,1,2-Trichloroethane	mg/kg	<.005	<.013	<.006	<.005
Trichloroethylene	mg/kg	<.005	<.013	<.006	<.005
1,2-Trans-dichloroethylene	mg/kg	<.005	<.013	<.006	<.005
Vinyl chloride	mg/kg	<.005	<.013	<.006	<.005
Xylenes	mg/kg	<.005	.015	<.006	.019

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Parameters	Units
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[illegible]

APPENDIX B
QUANTITATIVE RESULTS

CONVENTIONAL DATA (CV10)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP5A

JN6449

Compounds		Sample Results	Detection Limits	Blank Results	Batch Number
Reactive Cyanide	mg/kg	ND	10.0	ND	Q2I4081
Reactive Sulfide	mg/kg	ND	20.0	ND	Q2I4080
Solids, Total	%	92.3	.100	-	
pH (Electrode)	std	5.73	-	-	
Flash Point, Seta Flash	Deg C	>93	-	-	

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORPORATION	016208C	EX63BEDUP	JN6450

[illegible]

CONVENTIONAL DATA (CV10)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP1A

JN6451

Compounds		Sample Results	Detection Limits	Blank Results	Batch Number
Reactive Cyanide	mg/kg	ND	10.0	ND	Q2I4081
Reactive Sulfide	mg/kg	ND	20.0	ND	Q2I4080
Solids, Total	%	92.4	.100	-	
pH (Electrode)	std	6.39	-	-	
Flash Point, Seta Flash	Deg C	>93	-	-	

CONVENTIONAL DATA (CV10)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP3A

JN6452

Compounds		Sample Results	Detection Limits	Blank Results	Batch Number
Reactive Cyanide	mg/kg	ND	10.0	ND	Q2I4081
Reactive Sulfide	mg/kg	ND	20.0	ND	Q2I4080
Solids, Total	%	90.8	.100	-	
pH (Electrode)	std	6.22	-	-	
Flash Point, Seta Flash	Deg C	>93	-	-	

CONVENTIONAL DATA (CV10)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORPORATION	016208C	EX63BEDP5B	JN6705

Compounds		Sample Results	Detection Limits	Blank Results	Batch Number
Reactive Cyanide	mg/kg	ND	10.0	ND	Q2I4084
Reactive Sulfide	mg/kg	ND	20.0	ND	Q2I4083
Solids, Total	%	92.1	.100	-	
pH (Electrode)	std	5.39	-	-	
Flash Point, Seta Flash	Deg C	>93	-	-	

CONVENTIONAL DATA (CV10)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP1B

JN6706

[illegible]

CONVENTIONAL DATA (CV10)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP1C

JN6707

Compounds		Sample Results	Detection Limits	Blank Results	Batch Number
Reactive Cyanide	mg/kg	ND	10.0	ND	Q2I4084
Reactive Sulfide	mg/kg	ND	20.0	ND	Q2I4083
Solids, Total	%	89.9	.100	-	
pH (Electrode)	std	6.00	-	-	
Flash Point, Seta Flash	Deg C	>93	-	-	

CONVENTIONAL DATA (CV10)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP3B

JN6708

Compounds		Sample Results	Detection Limits	Blank Results	Batch Number
Reactive Cyanide	mg/kg	ND	10.0	ND	Q2I4084
Reactive Sulfide	mg/kg	ND	20.0	ND	Q2I4083
Solids, Total	%	90.4	.100	-	
pH (Electrode)	std	5.87	-	-	
Flash Point, Seta Flash	Deg C	>93	-	-	

CONVENTIONAL DATA (CV10)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BED1AG

JN6709

Compounds	Sample Results %	Detection Limits %	Blank Results %	Batch Number
Solids, Total	90.8	.100	-	

CONVENTIONAL DATA (CV10)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BED5AG

JN6710

Compounds	Sample Results %	Detection Limits %	Blank Results %	Batch Number
Solids, Total	86.2	.100	-	

CONVENTIONAL DATA (CV10)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BED3AG

JN6711

Compounds	Sample Results %	Detection Limits %	Blank Results %	Batch Number
Solids, Total	89.8	.100	-	

CONVENTIONAL DATA (CV10)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDUPG

JN6712

Compounds	Sample Results %	Detection Limits %	Blank Results %	Batch Number
Solids, Total	88.0	.100	-	

RCRA TOTAL METALS ANALYSIS, (ME50)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP5A

JN6449

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Arsenic	14.9	5.41	ND	Q2M5827R
Barium	14.5	1.08	ND	Q2M5827R
Cadmium	ND	1.08	ND	Q2M5827R
Chromium	11.9	1.08	ND	Q2M5827R
Lead	12.1	2.16	ND	Q2M5827R
Mercury	ND	.050	ND	Q2G5820
Selenium	ND	5.41	ND	Q2M5827R
Silver	ND	1.08	ND	Q2M5827R

RCRA TOTAL METALS ANALYSIS, (ME50)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDUP

JN6450

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Arsenic	17.8	4.44	ND	Q2M5827R
Barium	15.0	.889	ND	Q2M5827R
Cadmium	ND	.889	ND	Q2M5827R
Chromium	11.7	.889	ND	Q2M5827R
Lead	12.1	1.78	ND	Q2M5827R
Mercury	ND	.050	ND	Q2G5820
Selenium	ND	4.44	ND	Q2M5827R
Silver	ND	.889	ND	Q2M5827R

RCRA TOTAL METALS ANALYSIS, (ME50)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP1A

JN6451

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Arsenic	17.6	5.32	ND	Q2M5827R
Barium	15.2	1.06	ND	Q2M5827R
Cadmium	ND	1.06	ND	Q2M5827R
Chromium	11.5	1.06	ND	Q2M5827R
Lead	18.5	2.13	ND	Q2M5827R
Mercury	ND	.050	ND	Q2G5820
Selenium	ND	5.32	ND	Q2M5827R
Silver	ND	1.06	ND	Q2M5827R

RCRA TOTAL METALS ANALYSIS, (ME50)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP3A

JN6452

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Arsenic	16.3	5.13	ND	Q2M5827R
Barium	17.2	1.03	ND	Q2M5827R
Cadmium	ND	1.03	ND	Q2M5827R
Chromium	11.4	1.03	ND	Q2M5827R
Lead	6.90	2.05	ND	Q2M5827R
Mercury	ND	.050	ND	Q2G5820
Selenium	ND	5.13	ND	Q2M5827R
Silver	ND	1.03	ND	Q2M5827R

TOTAL PESTICIDE AND PCB ANALYSIS, GC, (GS05)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORPORATION	016208C	EX63BEDP5A	JN6449

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Aldrin	ND	.018	ND	Q2P41910
Alpha-BHC	ND	.018	ND	Q2P41910
Beta-BHC	ND	.018	ND	Q2P41910
Chlordane	ND	.181	ND	Q2P41910
4,4'-DDD	ND	.018	ND	Q2P41910
4,4'-DDE	ND	.018	ND	Q2P41910
4,4'-DDT	.130	.018	ND	Q2P41910
Delta-BHC	ND	.018	ND	Q2P41910
Dieldrin	ND	.018	ND	Q2P41910
Endosulfan sulfate	ND	.018	ND	Q2P41910
Endosulfan I	ND	.018	ND	Q2P41910
Endosulfan II	ND	.018	ND	Q2P41910
Endrin	ND	.018	ND	Q2P41910
Endrin aldehyde	ND	.018	ND	Q2P41910
Endrin ketone	ND	.018	ND	Q2P41910
Gamma-BHC	ND	.018	ND	Q2P41910
Heptachlor	ND	.018	ND	Q2P41910
Heptachlor epoxide	ND	.018	ND	Q2P41910
Methoxychlor	ND	.018	ND	Q2P41910
Toxaphene	ND	.361	ND	Q2P41910
Aroclor 1016	ND	.181	ND	Q2P41910
Aroclor 1221	ND	.181	ND	Q2P41910
Aroclor 1232	ND	.181	ND	Q2P41910
Aroclor 1242	ND	.181	ND	Q2P41910
Aroclor 1248	ND	.181	ND	Q2P41910
Aroclor 1254	ND	.181	ND	Q2P41910
Aroclor 1260	ND	.181	ND	Q2P41910

TOTAL PESTICIDE AND PCB ANALYSIS, GC, (GS05)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORPORATION	016208C	EX63BEDUP	JN6450

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Aldrin	ND	.018	ND	Q2P41910
Alpha-BHC	ND	.018	ND	Q2P41910
Beta-BHC	ND	.018	ND	Q2P41910
Chlordane	ND	.181	ND	Q2P41910
4,4'-DDD	ND	.018	ND	Q2P41910
4,4'-DDE	ND	.018	ND	Q2P41910
4,4'-DDT	.141	.018	ND	Q2P41910
Delta-BHC	ND	.018	ND	Q2P41910
Dieldrin	ND	.018	ND	Q2P41910
Endosulfan sulfate	ND	.018	ND	Q2P41910
Endosulfan I	ND	.018	ND	Q2P41910
Endosulfan II	ND	.018	ND	Q2P41910
Endrin	ND	.018	ND	Q2P41910
Endrin aldehyde	ND	.018	ND	Q2P41910
Endrin ketone	ND	.018	ND	Q2P41910
Gamma-BHC	ND	.018	ND	Q2P41910
Heptachlor	ND	.018	ND	Q2P41910
Heptachlor epoxide	ND	.018	ND	Q2P41910
Methoxychlor	ND	.018	ND	Q2P41910
Toxaphene	ND	.361	ND	Q2P41910
Aroclor 1016	ND	.181	ND	Q2P41910
Aroclor 1221	ND	.181	ND	Q2P41910
Aroclor 1232	ND	.181	ND	Q2P41910
Aroclor 1242	ND	.181	ND	Q2P41910
Aroclor 1248	ND	.181	ND	Q2P41910
Aroclor 1254	ND	.181	ND	Q2P41910
Aroclor 1260	ND	.181	ND	Q2P41910

TOTAL PESTICIDE AND PCB ANALYSIS, GC, (GS05)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP1A

JN6451

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Aldrin	ND	.018	ND	Q2P41910
Alpha-BHC	ND	.018	ND	Q2P41910
Beta-BHC	ND	.018	ND	Q2P41910
Chlordane	ND	.181	ND	Q2P41910
4,4'-DDD	ND	.018	ND	Q2P41910
4,4'-DDE	ND	.018	ND	Q2P41910
4,4'-DDT	.103	.018	ND	Q2P41910
Delta-BHC	ND	.018	ND	Q2P41910
Dieldrin	ND	.018	ND	Q2P41910
Endosulfan sulfate	ND	.018	ND	Q2P41910
Endosulfan I	ND	.018	ND	Q2P41910
Endosulfan II	ND	.018	ND	Q2P41910
Endrin	ND	.018	ND	Q2P41910
Endrin aldehyde	ND	.018	ND	Q2P41910
Endrin ketone	ND	.018	ND	Q2P41910
Gamma-BHC	ND	.018	ND	Q2P41910
Heptachlor	ND	.018	ND	Q2P41910
Heptachlor epoxide	ND	.018	ND	Q2P41910
Methoxychlor	ND	.018	ND	Q2P41910
Toxaphene	ND	.361	ND	Q2P41910
Aroclor 1016	ND	.181	ND	Q2P41910
Aroclor 1221	ND	.181	ND	Q2P41910
Aroclor 1232	ND	.181	ND	Q2P41910
Aroclor 1242	ND	.181	ND	Q2P41910
Aroclor 1248	ND	.181	ND	Q2P41910
Aroclor 1254	ND	.181	ND	Q2P41910
Aroclor 1260	ND	.181	ND	Q2P41910

TOTAL PESTICIDE AND PCB ANALYSIS, GC, (GS05)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP3A

JN6452

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Aldrin	ND	.018	ND	Q2P41910
Alpha-BHC	ND	.018	ND	Q2P41910
Beta-BHC	ND	.018	ND	Q2P41910
Chlordane	ND	.183	ND	Q2P41910
4,4'-DDD	ND	.018	ND	Q2P41910
4,4'-DDE	ND	.018	ND	Q2P41910
4,4'-DDT	ND	.018	ND	Q2P41910
Delta-BHC	ND	.018	ND	Q2P41910
Dieldrin	ND	.018	ND	Q2P41910
Endosulfan sulfate	ND	.018	ND	Q2P41910
Endosulfan I	ND	.018	ND	Q2P41910
Endosulfan II	ND	.018	ND	Q2P41910
Endrin	ND	.018	ND	Q2P41910
Endrin aldehyde	ND	.018	ND	Q2P41910
Endrin ketone	ND	.018	ND	Q2P41910
Gamma-BHC	ND	.018	ND	Q2P41910
Heptachlor	ND	.018	ND	Q2P41910
Heptachlor epoxide	ND	.018	ND	Q2P41910
Methoxychlor	ND	.018	ND	Q2P41910
Toxaphene	ND	.366	ND	Q2P41910
Aroclor 1016	ND	.183	ND	Q2P41910
Aroclor 1221	ND	.183	ND	Q2P41910
Aroclor 1232	ND	.183	ND	Q2P41910
Aroclor 1242	ND	.183	ND	Q2P41910
Aroclor 1248	ND	.183	ND	Q2P41910
Aroclor 1254	ND	.183	ND	Q2P41910
Aroclor 1260	ND	.183	ND	Q2P41910

PRIORITY POLLUTANT PNA ANALYSIS, GC, (GS16)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORPORATION	016208C	EX63BEDP5A	JN6449

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Acenaphthene	.236	.071	ND	Q2F41909
Acenaphthylene	.356	.071	ND	Q2F41909
Anthracene	2.87	.071	ND	Q2F41909
Benzo (a) anthracene	ND	.071	ND	Q2F41909
Benzo (b) fluoranthene	ND	.071	ND	Q2F41909
Benzo (k) fluoranthene	ND	.071	ND	Q2F41909
Benzo (ghi) perylene	ND	.071	ND	Q2F41909
Benzo (a) pyrene	ND	.071	ND	Q2F41909
Chrysene	ND	.071	ND	Q2F41909
Dibenzo (a, h) anthracene	ND	.071	ND	Q2F41909
Fluoranthene	.182	.071	ND	Q2F41909
Fluorene	.674	.071	ND	Q2F41909
Naphthalene	.509	.071	ND	Q2F41909
Phenanthrene	1.05	.071	ND	Q2F41909
Pyrene	.084	.071	ND	Q2F41909

PRIORITY POLLUTANT PNA ANALYSIS, GC, (GS16)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORPORATION	016208C	EX63BEDUP	JN6450

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Acenaphthene	.246	.036	ND	Q2F41909
Acenaphthylene	.307	.036	ND	Q2F41909
Anthracene	1.84	.036	ND	Q2F41909
Benzo (a) anthracene	.060	.036	ND	Q2F41909
Benzo (b) fluoranthene	.066	.036	ND	Q2F41909
Benzo (k) fluoranthene	.045	.036	ND	Q2F41909
Benzo (ghi) perylene	.097	.036	ND	Q2F41909
Benzo (a) pyrene	.071	.036	ND	Q2F41909
Chrysene	.064	.036	ND	Q2F41909
Dibenzo (a, h) anthracene	.098	.036	ND	Q2F41909
Fluoranthene	.341	.036	ND	Q2F41909
Fluorene	.669	.036	ND	Q2F41909
Naphthalene	.462	.036	ND	Q2F41909
Phenanthrene	.377	.036	ND	Q2F41909
Pyrene	.273	.036	ND	Q2F41909

PRIORITY POLLUTANT PNA ANALYSIS, GC, (GS16)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORPORATION	016208C	EX63BEDP1A	JN6451

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Acenaphthene	ND	.036	ND	Q2F41909
Acenaphthylene	.181	.036	ND	Q2F41909
Anthracene	.161	.036	ND	Q2F41909
Benzo(a)anthracene	.128	.036	ND	Q2F41909
Benzo(b)fluoranthene	.212	.036	ND	Q2F41909
Benzo(k)fluoranthene	.105	.036	ND	Q2F41909
Benzo(ghi)perylene	.139	.036	ND	Q2F41909
Benzo(a)pyrene	.154	.036	ND	Q2F41909
Chrysene	.158	.036	ND	Q2F41909
Dibenzo(a,h)anthracene	.142	.036	ND	Q2F41909
Fluoranthene	.155	.036	ND	Q2F41909
Fluorene	ND	.036	ND	Q2F41909
Naphthalene	ND	.036	ND	Q2F41909
Phenanthrene	.050	.036	ND	Q2F41909
Pyrene	.170	.036	ND	Q2F41909

PRIORITY POLLUTANT PNA ANALYSIS, GC, (GS16)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORPORATION	016208C	EX63BEDP3A	JN6452

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Acenaphthene	2.96	.181	ND	Q2F41909
Acenaphthylene	2.83	.181	ND	Q2F41909
Anthracene	2.13	.181	ND	Q2F41909
Benzo(a)anthracene	ND	.181	ND	Q2F41909
Benzo(b)fluoranthene	ND	.181	ND	Q2F41909
Benzo(k)fluoranthene	ND	.181	ND	Q2F41909
Benzo(ghi)perylene	ND	.181	ND	Q2F41909
Benzo(a)pyrene	ND	.181	ND	Q2F41909
Chrysene	ND	.181	ND	Q2F41909
Dibenzo(a,h)anthracene	ND	.181	ND	Q2F41909
Fluoranthene	.460	.181	ND	Q2F41909
Fluorene	2.20	.181	ND	Q2F41909
Naphthalene	.572	.181	ND	Q2F41909
Phenanthrene	.969	.181	ND	Q2F41909
Pyrene	.306	.181	ND	Q2F41909

TOTAL PETROLEUM HYDROCARBON ANALYSIS, IR (IR00)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP5A

JN6449

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Petroleum Hydrocarbons (IR)	348	35.8	ND	Q2T41912

TOTAL PETROLEUM HYDROCARBON ANALYSIS, IR (IR00)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDUP

JN6450

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Petroleum Hydrocarbons (IR)	362	35.5	ND	Q2T41912

TOTAL PETROLEUM HYDROCARBON ANALYSIS, IR (IR00)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP1A

JN6451

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Petroleum Hydrocarbons (IR)	173	35.8	ND	Q2T41912

TOTAL PETROLEUM HYDROCARBON ANALYSIS, IR (IR00)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP3A

JN6452

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Petroleum Hydrocarbons (IR)	403	36.0	ND	Q2T41912

TOTAL PETROLEUM HYDROCARBON ANALYSIS, IR (IR00)

Company Name

Facility

Sample Point.

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP5B

JN6705

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Petroleum Hydrocarbons (IR)	411	35.7	ND	Q2T41932

TOTAL PETROLEUM HYDROCARBON ANALYSIS, IR (IR00)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP1B

JN6706

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Petroleum Hydrocarbons (IR)	152	7.22	ND	Q2T41932

TOTAL PETROLEUM HYDROCARBON ANALYSIS, IR (IR00)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP1C

JN6707

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Petroleum Hydrocarbons (IR)	389	36.4	ND	Q2T41932

TOTAL PETROLEUM HYDROCARBON ANALYSIS, IR (IR00)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP3B

JN6708

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Petroleum Hydrocarbons (IR)	589	36.4	ND	Q2T41932

TOTAL VOLATILE ANALYSIS, MS, (MV00)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BED1AG

JN6709

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Acetone	.011	.011	ND	Q2V4130
Acrolein	ND	.027	ND	Q2V4130
Acrylonitrile	ND	.014	ND	Q2V4130
Benzene	ND	.005	ND	Q2V4130
Bromoform	ND	.005	ND	Q2V4130
Carbon disulfide	ND	.005	ND	Q2V4130
Carbon tetrachloride	ND	.005	ND	Q2V4130
Chlorobenzene	ND	.005	ND	Q2V4130
Chlorodibromomethane	ND	.005	ND	Q2V4130
Chloroethane	ND	.005	ND	Q2V4130
Chloroform	ND	.005	ND	Q2V4130
2-Chloroethylvinyl ether	ND	.005	ND	Q2V4130
Dichlorobromomethane	ND	.005	ND	Q2V4130
1,1-Dichloroethane	ND	.005	ND	Q2V4130
1,2-Dichloroethane	ND	.005	ND	Q2V4130
1,1-Dichloroethylene	ND	.005	ND	Q2V4130
1,2-Dichloropropane	ND	.005	ND	Q2V4130
cis-1,3-Dichloropropylene	ND	.005	ND	Q2V4130
trans-1,3-Dichloropropylene	ND	.005	ND	Q2V4130
Ethylbenzene	ND	.005	ND	Q2V4130
2-Hexanone	ND	.005	ND	Q2V4130
Methyl bromide	ND	.005	ND	Q2V4130
Methyl chloride	ND	.005	ND	Q2V4130
Methylene chloride	ND	.005	ND	Q2V4130
Methyl ethyl ketone	ND	.005	ND	Q2V4130
Methyl-iso-butyl ketone	ND	.011	ND	Q2V4130
Styrene	ND	.005	ND	Q2V4130
1,1,2,2-Tetrachloroethane	ND	.005	ND	Q2V4130
Tetrachloroethylene	ND	.005	ND	Q2V4130
Toluene	ND	.005	ND	Q2V4130
1,1,1-Trichloroethane	ND	.005	ND	Q2V4130
1,1,2-Trichloroethane	ND	.005	ND	Q2V4130
Trichloroethylene	ND	.005	ND	Q2V4130
1,2-Trans-dichloroethylene	ND	.005	ND	Q2V4130
Vinyl chloride	ND	.005	ND	Q2V4130
Xylenes	ND	.005	ND	Q2V4130

TOTAL VOLATILE ANALYSIS, MS, (MV00)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORPORATION	016208C	EX63BED5AG	JN6710

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Acetone	.057	.026	ND	Q2V4130
Acrolein	ND	.065	ND	Q2V4130
Acrylonitrile	ND	.032	ND	Q2V4130
Benzene	ND	.013	ND	Q2V4130
Bromoform	ND	.013	ND	Q2V4130
Carbon disulfide	ND	.013	ND	Q2V4130
Carbon tetrachloride	ND	.013	ND	Q2V4130
Chlorobenzene	ND	.013	ND	Q2V4130
Chlorodibromomethane	ND	.013	ND	Q2V4130
Chloroethane	ND	.013	ND	Q2V4130
Chloroform	ND	.013	ND	Q2V4130
2-Chloroethylvinyl ether	ND	.013	ND	Q2V4130
Dichlorobromomethane	ND	.013	ND	Q2V4130
1,1-Dichloroethane	ND	.013	ND	Q2V4130
1,2-Dichloroethane	ND	.013	ND	Q2V4130
1,1-Dichloroethylene	ND	.013	ND	Q2V4130
1,2-Dichloropropane	ND	.013	ND	Q2V4130
cis-1,3-Dichloropropylene	ND	.013	ND	Q2V4130
trans-1,3-Dichloropropylene	ND	.013	ND	Q2V4130
Ethylbenzene	.027	.013	ND	Q2V4130
2-Hexanone	ND	.013	ND	Q2V4130
Methyl bromide	ND	.013	ND	Q2V4130
Methyl chloride	ND	.013	ND	Q2V4130
Methylene chloride	ND	.013	ND	Q2V4130
Methyl ethyl ketone	ND	.013	ND	Q2V4130
Methyl-iso-butyl ketone	ND	.026	ND	Q2V4130
Styrene	ND	.013	ND	Q2V4130
1,1,2,2-Tetrachloroethane	ND	.013	ND	Q2V4130
Tetrachloroethylene	ND	.013	ND	Q2V4130
Toluene	ND	.013	ND	Q2V4130
1,1,1-Trichloroethane	ND	.013	ND	Q2V4130
1,1,2-Trichloroethane	ND	.013	ND	Q2V4130
Trichloroethylene	ND	.013	ND	Q2V4130
1,2-Trans-dichloroethylene	ND	.013	ND	Q2V4130
Vinyl chloride	ND	.013	ND	Q2V4130
Xylenes	.015	.013	ND	Q2V4130

TOTAL VOLATILE ANALYSIS, MS, (MV00)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BED3AG

JN6711

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Acetone	.014	.011	ND	Q2V4130
Acrolein	ND	.028	ND	Q2V4130
Acrylonitrile	ND	.014	ND	Q2V4130
Benzene	ND	.006	ND	Q2V4130
Bromoform	ND	.006	ND	Q2V4130
Carbon disulfide	ND	.006	ND	Q2V4130
Carbon tetrachloride	ND	.006	ND	Q2V4130
Chlorobenzene	ND	.006	ND	Q2V4130
Chlorodibromomethane	ND	.006	ND	Q2V4130
Chloroethane	ND	.006	ND	Q2V4130
Chloroform	ND	.006	ND	Q2V4130
2-Chloroethylvinyl ether	ND	.006	ND	Q2V4130
Dichlorobromomethane	ND	.006	ND	Q2V4130
1,1-Dichloroethane	ND	.006	ND	Q2V4130
1,2-Dichloroethane	ND	.006	ND	Q2V4130
1,1-Dichloroethylene	ND	.006	ND	Q2V4130
1,2-Dichloropropane	ND	.006	ND	Q2V4130
cis-1,3-Dichloropropylene	ND	.006	ND	Q2V4130
trans-1,3-Dichloropropylene	ND	.006	ND	Q2V4130
Ethylbenzene	ND	.006	ND	Q2V4130
2-Hexanone	ND	.006	ND	Q2V4130
Methyl bromide	ND	.006	ND	Q2V4130
Methyl chloride	ND	.006	ND	Q2V4130
Methylene chloride	ND	.006	ND	Q2V4130
Methyl ethyl ketone	ND	.006	ND	Q2V4130
Methyl-iso-butyl ketone	ND	.011	ND	Q2V4130
Styrene	ND	.006	ND	Q2V4130
1,1,2,2-Tetrachloroethane	ND	.006	ND	Q2V4130
Tetrachloroethylene	ND	.006	ND	Q2V4130
Toluene	ND	.006	ND	Q2V4130
1,1,1-Trichloroethane	ND	.006	ND	Q2V4130
1,1,2-Trichloroethane	ND	.006	ND	Q2V4130
Trichloroethylene	ND	.006	ND	Q2V4130
1,2-Trans-dichloroethylene	ND	.006	ND	Q2V4130
Vinyl chloride	ND	.006	ND	Q2V4130
Xylenes	ND	.006	ND	Q2V4130

TOTAL VOLATILE ANALYSIS, MS, (MV00)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORPORATION	016208C	EX63BEDUPG	JN6712

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Acetone	.062	.011	ND	Q2V4130
Acrolein	ND	.027	ND	Q2V4130
Acrylonitrile	ND	.014	ND	Q2V4130
Benzene	ND	.005	ND	Q2V4130
Bromoform	ND	.005	ND	Q2V4130
Carbon disulfide	ND	.005	ND	Q2V4130
Carbon tetrachloride	ND	.005	ND	Q2V4130
Chlorobenzene	ND	.005	ND	Q2V4130
Chlorodibromomethane	ND	.005	ND	Q2V4130
Chloroethane	ND	.005	ND	Q2V4130
Chloroform	ND	.005	ND	Q2V4130
2-Chloroethylvinyl ether	ND	.005	ND	Q2V4130
Dichlorobromomethane	ND	.005	ND	Q2V4130
1,1-Dichloroethane	ND	.005	ND	Q2V4130
1,2-Dichloroethane	ND	.005	ND	Q2V4130
1,1-Dichloroethylene	ND	.005	ND	Q2V4130
1,2-Dichloropropane	ND	.005	ND	Q2V4130
cis-1,3-Dichloropropylene	ND	.005	ND	Q2V4130
trans-1,3-Dichloropropylene	ND	.005	ND	Q2V4130
Ethylbenzene	.031	.005	ND	Q2V4130
2-Hexanone	ND	.005	ND	Q2V4130
Methyl bromide	ND	.005	ND	Q2V4130
Methyl chloride	ND	.005	ND	Q2V4130
Methylene chloride	ND	.005	ND	Q2V4130
Methyl ethyl ketone	.018	.005	ND	Q2V4130
Methyl-iso-butyl ketone	ND	.011	ND	Q2V4130
Styrene	ND	.005	ND	Q2V4130
1,1,2,2-Tetrachloroethane	ND	.005	ND	Q2V4130
Tetrachloroethylene	ND	.005	ND	Q2V4130
Toluene	ND	.005	ND	Q2V4130
1,1,1-Trichloroethane	ND	.005	ND	Q2V4130
1,1,2-Trichloroethane	ND	.005	ND	Q2V4130
Trichloroethylene	ND	.005	ND	Q2V4130
1,2-Trans-dichloroethylene	ND	.005	ND	Q2V4130
Vinyl chloride	ND	.005	ND	Q2V4130
Xylenes	.019	.005	ND	Q2V4130

RCRA TCLP LEACHATE HERBICIDE ANALYSIS, GC, (GS52)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP5A

JN6449

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
2,4-D	ND	.250	ND	Q7H41924
2,4,5-TP (Silvex)	ND	.250	ND	Q7H41924

RCRA TCLP LEACHATE HERBICIDE ANALYSIS, GC, (GS52)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDUP

JN6450

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
2,4-D	ND	.250	ND	Q7H41924
2,4,5-TP (Silvex)	ND	.250	ND	Q7H41924

RCRA TCLP LEACHATE HERBICIDE ANALYSIS, GC, (GS52)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP1A

JN6451

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
2,4-D	ND	.250	ND	Q7H41924
2,4,5-TP (Silvex)	ND	.250	ND	Q7H41924

RCRA TCLP LEACHATE HERBICIDE ANALYSIS, GC, (GS52)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP3A

JN6452

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
2,4-D	ND	.250	ND	Q7H41924
2,4,5-TP (Silvex)	ND	.250	ND	Q7H41924

RCRA TCLP LEACHATE HERBICIDE ANALYSIS, GC, (GS52)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP5B

JN6705

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
2,4-D	ND	.250	ND	Q7H50007
2,4,5-TP (Silvex)	ND	.250	ND	Q7H50007

RCRA TCLP LEACHATE HERBICIDE ANALYSIS, GC, (GS52)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP1B

JN6706

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
2,4-D	ND	.250	ND	Q7H50007
2,4,5-TP (Silvex)	ND	.250	ND	Q7H50007

RCRA TCLP LEACHATE HERBICIDE ANALYSIS, GC, (GS52)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP1C

JN6707

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
2,4-D	ND	.025	ND	Q7H50007
2,4,5-TP (Silvex)	ND	.025	ND	Q7H50007

RCRA TCLP LEACHATE HERBICIDE ANALYSIS, GC, (GS52)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP3B

JN6708

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
2,4-D	ND	.250	ND	Q7H50007
2,4,5-TP (Silvex)	ND	.250	ND	Q7H50007

RCRA TCLP LEACHATE PESTICIDE ANALYSIS, GC, (GS54)

Facility

ASC Sample No.

016208C

EX63BEDP5A

JN6449

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Chlordane	ND	.020	ND	Q7P41925
Endrin	ND	.002	ND	Q7P41925
Heptachlor	ND	.002	ND	Q7P41925
Heptachlor epoxide	ND	.002	ND	Q7P41925
Lindane	ND	.002	ND	Q7P41925
Methoxychlor	ND	.002	ND	Q7P41925
Toxaphene	ND	.040	ND	Q7P41925

RCRA TCLP LEACHATE PESTICIDE ANALYSIS, GC, (GS54)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDUP

JN6450

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Chlordane	ND	.020	ND	Q7P41925
Endrin	ND	.002	ND	Q7P41925
Heptachlor	ND	.002	ND	Q7P41925
Heptachlor epoxide	ND	.002	ND	Q7P41925
Lindane	ND	.002	ND	Q7P41925
Methoxychlor	ND	.002	ND	Q7P41925
Toxaphene	ND	.040	ND	Q7P41925

RCRA TCLP LEACHATE PESTICIDE ANALYSIS, GC, (GS54)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORPORATION	016208C	EX63BEDP1A	JN6451

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Chlordane	ND	.020	ND	Q7P41925
Endrin	ND	.002	ND	Q7P41925
Heptachlor	ND	.002	ND	Q7P41925
Heptachlor epoxide	ND	.002	ND	Q7P41925
Lindane	ND	.002	ND	Q7P41925
Methoxychlor	ND	.002	ND	Q7P41925
Toxaphene	ND	.040	ND	Q7P41925

RCRA TCLP LEACHATE PESTICIDE ANALYSIS, GC, (GS54)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP3A

JN6452

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Chlordane	ND	.020	ND	Q7P41925
Endrin	ND	.002	ND	Q7P41925
Heptachlor	ND	.002	ND	Q7P41925
Heptachlor epoxide	ND	.002	ND	Q7P41925
Lindane	ND	.002	ND	Q7P41925
Methoxychlor	ND	.002	ND	Q7P41925
Toxaphene	ND	.040	ND	Q7P41925

RCRA TCLP LEACHATE PESTICIDE ANALYSIS, GC, (GS54)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP5B

JN6705

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Chlordane	ND	.020	ND	Q7P50006
Endrin	ND	.002	ND	Q7P50006
Heptachlor	ND	.002	ND	Q7P50006
Heptachlor epoxide	ND	.002	ND	Q7P50006
Lindane	ND	.002	ND	Q7P50006
Methoxychlor	ND	.002	ND	Q7P50006
Toxaphene	ND	.040	ND	Q7P50006

RCRA TCLP LEACHATE PESTICIDE ANALYSIS, GC, (GS54)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP1B

JN6706

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Chlordane	ND	.020	ND	Q7P50006
Endrin	ND	.002	ND	Q7P50006
Heptachlor	ND	.002	ND	Q7P50006
Heptachlor epoxide	ND	.002	ND	Q7P50006
Lindane	ND	.002	ND	Q7P50006
Methoxychlor	ND	.002	ND	Q7P50006
Toxaphene	ND	.040	ND	Q7P50006

RCRA TCLP LEACHATE PESTICIDE ANALYSIS, GC, (GS54)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP1C

JN6707

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Chlordane	ND	.020	ND	Q7P50006
Endrin	ND	.002	ND	Q7P50006
Heptachlor	ND	.002	ND	Q7P50006
Heptachlor epoxide	ND	.002	ND	Q7P50006
Lindane	ND	.002	ND	Q7P50006
Methoxychlor	ND	.002	ND	Q7P50006
Toxaphene	ND	.040	ND	Q7P50006

RCRA TCLP LEACHATE PESTICIDE ANALYSIS, GC, (GS54)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP3B

JN6708

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Chlordane	ND	.020	ND	Q7P50006
Endrin	ND	.002	ND	Q7P50006
Heptachlor	ND	.002	ND	Q7P50006
Heptachlor epoxide	ND	.002	ND	Q7P50006
Lindane	ND	.002	ND	Q7P50006
Methoxychlor	ND	.002	ND	Q7P50006
Toxaphene	ND	.040	ND	Q7P50006

RCRA TCLP LEACHATE METALS ANALYSIS, (ME52)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP5A

JN6449

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Arsenic	ND	.100	ND	Q7M5811
Barium	.473	.100	ND	Q7M5811
Cadmium	ND	.005	ND	Q7M5811
Chromium	ND	.020	ND	Q7M5811
Lead	ND	.100	ND	Q7M5811
Mercury	ND	.001	ND	Q7G5821
Selenium	ND	.100	ND	Q7M5811
Silver	ND	.020	ND	Q7M5811
Copper	.028	.020	ND	Q7M5811
Zinc	ND	.200	ND	Q7M5811

RCRA TCLP LEACHATE METALS ANALYSIS, (ME52)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDUP

JN6450

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Arsenic	ND	.100	ND	Q7M5811
Barium	.575	.100	ND	Q7M5811
Cadmium	ND	.005	ND	Q7M5811
Chromium	ND	.020	ND	Q7M5811
Lead	ND	.100	ND	Q7M5811
Mercury	ND	.001	ND	Q7G5821
Selenium	ND	.100	ND	Q7M5811
Silver	ND	.020	ND	Q7M5811
Copper	.034	.020	ND	Q7M5811
Zinc	ND	.200	ND	Q7M5811

RCRA TCLP LEACHATE METALS ANALYSIS, (ME52)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP1A

JN6451

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Arsenic	ND	.100	ND	Q7M5811
Barium	.388	.100	ND	Q7M5811
Cadmium	ND	.005	ND	Q7M5811
Chromium	ND	.020	ND	Q7M5811
Lead	ND	.100	ND	Q7M5811
Mercury	ND	.001	ND	Q7G5821
Selenium	ND	.100	ND	Q7M5811
Silver	ND	.020	ND	Q7M5811
Copper	ND	.020	ND	Q7M5811
Zinc	ND	.200	ND	Q7M5811

RCRA TCLP LEACHATE METALS ANALYSIS, (ME52)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP3A

JN6452

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Arsenic	ND	.100	ND	Q7M5811
Barium	.433	.100	ND	Q7M5811
Cadmium	ND	.005	ND	Q7M5811
Chromium	ND	.020	ND	Q7M5811
Lead	ND	.100	ND	Q7M5811
Mercury	ND	.001	ND	Q7G5821
Selenium	ND	.100	ND	Q7M5811
Silver	ND	.020	ND	Q7M5811
Copper	.049	.020	ND	Q7M5811
Zinc	ND	.200	ND	Q7M5811

RCRA TCLP LEACHATE METALS ANALYSIS, (ME52)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP5B

JN6705

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Arsenic	ND	.100	ND	Q7M5842
Barium	.629	.100	ND	Q7M5842
Cadmium	ND	.005	ND	Q7M5842
Chromium	ND	.020	.022	Q7M5842
Lead	ND	.100	ND	Q7M5842
Mercury	ND	.001	ND	Q7G5821
Selenium	ND	.100	ND	Q7M5842
Silver	ND	.020	ND	Q7M5842
Copper	.022	.020	ND	Q7M5842
Zinc	.280	.200	ND	Q7M5842

RCRA TCLP LEACHATE METALS ANALYSIS, (ME52)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP1B

JN6706

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Arsenic	ND	.100	ND	Q7M5842
Barium	.622	.100	ND	Q7M5842
Cadmium	ND	.005	ND	Q7M5842
Chromium	ND	.020	.022	Q7M5842
Lead	ND	.100	ND	Q7M5842
Mercury	ND	.001	ND	Q7G5821
Selenium	ND	.100	ND	Q7M5842
Silver	ND	.020	ND	Q7M5842
Copper	ND	.020	ND	Q7M5842
Zinc	.211	.200	ND	Q7M5842

RCRA TCLP LEACHATE METALS ANALYSIS, (ME52)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP1C

JN6707

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Arsenic	ND	.100	ND	Q7M5842
Barium	.708	.100	ND	Q7M5842
Cadmium	ND	.005	ND	Q7M5842
Chromium	.022	.020	.022	Q7M5842
Lead	ND	.100	ND	Q7M5842
Mercury	ND	.001	ND	Q7G5821
Selenium	ND	.100	ND	Q7M5842
Silver	ND	.020	ND	Q7M5842
Copper	.026	.020	ND	Q7M5842
Zinc	.227	.200	ND	Q7M5842

RCRA TCLP LEACHATE METALS ANALYSIS, (ME52)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP3B

JN6708

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Arsenic	ND	.100	ND	Q7M5842
Barium	.606	.100	ND	Q7M5842
Cadmium	ND	.005	ND	Q7M5842
Chromium	ND	.020	.022	Q7M5842
Lead	ND	.100	ND	Q7M5842
Mercury	ND	.001	ND	Q7G5821
Selenium	ND	.100	ND	Q7M5842
Silver	ND	.020	ND	Q7M5842
Copper	ND	.020	ND	Q7M5842
Zinc	.242	.200	ND	Q7M5842

RCRA TCLP LEACHATE BASE/NEUTRAL/ACID ANALYSIS, MS, (MS52)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP5A

JN6449

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
2,4-Dinitrotoluene	ND	.100	ND	Q7C41923
Hexachlorobenzene	ND	.100	ND	Q7C41923
Hexachloroethane	ND	.100	ND	Q7C41923
Hexachlorobutadiene	ND	.100	ND	Q7C41923
2-Methylphenol	ND	.100	ND	Q7C41923
4-Methylphenol	ND	.100	ND	Q7C41923
Nitrobenzene	ND	.100	ND	Q7C41923
Pentachlorophenol	ND	.100	ND	Q7C41923
Pyridine	ND	.100	ND	Q7C41923
2,4,5-Trichlorophenol	ND	.100	ND	Q7C41923
2,4,6-Trichlorophenol	ND	.100	ND	Q7C41923

3-Methyl- and 4-Methylphenol coelute and are reported as the total

RCRA TCLP LEACHATE BASE/NEUTRAL/ACID ANALYSIS, MS, (MS52)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDUP

JN6450

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
2,4-Dinitrotoluene	ND	.100	ND	Q7C41923
Hexachlorobenzene	ND	.100	ND	Q7C41923
Hexachloroethane	ND	.100	ND	Q7C41923
Hexachlorobutadiene	ND	.100	ND	Q7C41923
2-Methylphenol	ND	.100	ND	Q7C41923
4-Methylphenol	ND	.100	ND	Q7C41923
Nitrobenzene	ND	.100	ND	Q7C41923
Pentachlorophenol	ND	.100	ND	Q7C41923
Pyridine	ND	.100	ND	Q7C41923
2,4,5-Trichlorophenol	ND	.100	ND	Q7C41923
2,4,6-Trichlorophenol	ND	.100	ND	Q7C41923

3-Methyl- and 4-Methylphenol coelute and are reported as the total

RCRA TCLP LEACHATE BASE/NEUTRAL/ACID ANALYSIS, MS, (MS52)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP1A

JN6451

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
2,4-Dinitrotoluene	ND	.100	ND	Q7C41923
Hexachlorobenzene	ND	.100	ND	Q7C41923
Hexachloroethane	ND	.100	ND	Q7C41923
Hexachlorobutadiene	ND	.100	ND	Q7C41923
2-Methylphenol	ND	.100	ND	Q7C41923
4-Methylphenol	ND	.100	ND	Q7C41923
Nitrobenzene	ND	.100	ND	Q7C41923
Pentachlorophenol	ND	.100	ND	Q7C41923
Pyridine	ND	.100	ND	Q7C41923
2,4,5-Trichlorophenol	ND	.100	ND	Q7C41923
2,4,6-Trichlorophenol	ND	.100	ND	Q7C41923

3-Methyl- and 4-Methylphenol coelute and are reported as the total

RCRA TCLP LEACHATE BASE/NEUTRAL/ACID ANALYSIS, MS, (MS52)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP3A

JN6452

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
2,4-Dinitrotoluene	ND	.100	ND	Q7C41923
Hexachlorobenzene	ND	.100	ND	Q7C41923
Hexachloroethane	ND	.100	ND	Q7C41923
Hexachlorobutadiene	ND	.100	ND	Q7C41923
2-Methylphenol	ND	.100	ND	Q7C41923
4-Methylphenol	ND	.100	ND	Q7C41923
Nitrobenzene	ND	.100	ND	Q7C41923
Pentachlorophenol	ND	.100	ND	Q7C41923
Pyridine	ND	.100	ND	Q7C41923
2,4,5-Trichlorophenol	ND	.100	ND	Q7C41923
2,4,6-Trichlorophenol	ND	.100	ND	Q7C41923

3-Methyl- and 4-Methylphenol coelute and are reported as the total

RCRA TCLP LEACHATE BASE/NEUTRAL/ACID ANALYSIS, MS, (MS52)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORPORATION	016208C	EX63BEDP5B	JN6705

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
2,4-Dinitrotoluene	ND	.100	ND	Q7C50005
Hexachlorobenzene	ND	.100	ND	Q7C50005
Hexachloroethane	ND	.100	ND	Q7C50005
Hexachlorobutadiene	ND	.100	ND	Q7C50005
2-Methylphenol	ND	.100	ND	Q7C50005
4-Methylphenol	ND	.100	ND	Q7C50005
Nitrobenzene	ND	.100	ND	Q7C50005
Pentachlorophenol	ND	.100	ND	Q7C50005
Pyridine	ND	.100	ND	Q7C50005
2,4,5-Trichlorophenol	ND	.100	ND	Q7C50005
2,4,6-Trichlorophenol	ND	.100	ND	Q7C50005

3-Methyl- and 4-Methylphenol coelute and are reported as the total

RCRA TCLP LEACHATE BASE/NEUTRAL/ACID ANALYSIS, MS, (MS52)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP1B

JN6706

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
2,4-Dinitrotoluene	ND	.100	ND	Q7C50005
Hexachlorobenzene	ND	.100	ND	Q7C50005
Hexachloroethane	ND	.100	ND	Q7C50005
Hexachlorobutadiene	ND	.100	ND	Q7C50005
2-Methylphenol	ND	.100	ND	Q7C50005
4-Methylphenol	ND	.100	ND	Q7C50005
Nitrobenzene	ND	.100	ND	Q7C50005
Pentachlorophenol	ND	.100	ND	Q7C50005
Pyridine	ND	.100	ND	Q7C50005
2,4,5-Trichlorophenol	ND	.100	ND	Q7C50005
2,4,6-Trichlorophenol	ND	.100	ND	Q7C50005

3-Methyl- and 4-Methylphenol coelute and are reported as the total

RCRA TCLP LEACHATE BASE/NEUTRAL/ACID ANALYSIS, MS, (MS52)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORPORATION	016208C	EX63BEDP1C	JN6707

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
2,4-Dinitrotoluene	ND	.100	ND	Q7C50005
Hexachlorobenzene	ND	.100	ND	Q7C50005
Hexachloroethane	ND	.100	ND	Q7C50005
Hexachlorobutadiene	ND	.100	ND	Q7C50005
2-Methylphenol	ND	.100	ND	Q7C50005
4-Methylphenol	ND	.100	ND	Q7C50005
Nitrobenzene	ND	.100	ND	Q7C50005
Pentachlorophenol	ND	.100	ND	Q7C50005
Pyridine	ND	.100	ND	Q7C50005
2,4,5-Trichlorophenol	ND	.100	ND	Q7C50005
2,4,6-Trichlorophenol	ND	.100	ND	Q7C50005

3-Methyl- and 4-Methylphenol coelute and are reported as the total

RCRA TCLP LEACHATE BASE/NEUTRAL/ACID ANALYSIS, MS, (MS52)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP3B

JN6708

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
2,4-Dinitrotoluene	ND	.100	ND	Q7C50005
Hexachlorobenzene	ND	.100	ND	Q7C50005
Hexachloroethane	ND	.100	ND	Q7C50005
Hexachlorobutadiene	ND	.100	ND	Q7C50005
2-Methylphenol	ND	.100	ND	Q7C50005
4-Methylphenol	ND	.100	ND	Q7C50005
Nitrobenzene	ND	.100	ND	Q7C50005
Pentachlorophenol	ND	.100	ND	Q7C50005
Pyridine	ND	.100	ND	Q7C50005
2,4,5-Trichlorophenol	ND	.100	ND	Q7C50005
2,4,6-Trichlorophenol	ND	.100	ND	Q7C50005

3-Methyl- and 4-Methylphenol coelute and are reported as the total

RCRA TCLP LEACHATE (ZHE) VOLATILE ANALYSIS, MS, (MV50)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP5A

JN6449

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Benzene	ND	.125	ND	Q7V4132
Carbon tetrachloride	ND	.125	ND	Q7V4132
Chlorobenzene	ND	.125	ND	Q7V4132
Chloroform	ND	.125	ND	Q7V4132
1,4-Dichlorobenzene	ND	.125	ND	Q7V4132
1,2-Dichloroethane	ND	.125	ND	Q7V4132
1,1-Dichloroethylene	ND	.125	ND	Q7V4132
Methyl ethyl ketone	ND	.125	ND	Q7V4132
Tetrachloroethylene	ND	.125	ND	Q7V4132
Trichloroethylene	ND	.125	ND	Q7V4132
Vinyl chloride	ND	.125	ND	Q7V4132

ASC Sample No.

JN6450

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Benzene	ND	.125	ND	Q7V4132
Carbon tetrachloride	ND	.125	ND	Q7V4132
Chlorobenzene	ND	.125	ND	Q7V4132
Chloroform	ND	.125	ND	Q7V4132
1,4-Dichlorobenzene	ND	.125	ND	Q7V4132
1,2-Dichloroethane	ND	.125	ND	Q7V4132
1,1-Dichloroethylene	ND	.125	ND	Q7V4132
Methyl ethyl ketone	ND	.125	ND	Q7V4132
Tetrachloroethylene	ND	.125	ND	Q7V4132
Trichloroethylene	ND	.125	ND	Q7V4132
Vinyl chloride	ND	.125	ND	Q7V4132

RCRA TCLP LEACHATE (ZHE) VOLATILE ANALYSIS, MS, (MV50)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP1A

JN6451

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Benzene	ND	.125	ND	Q7V4135
Carbon tetrachloride	ND	.125	ND	Q7V4135
Chlorobenzene	ND	.125	ND	Q7V4135
Chloroform	ND	.125	ND	Q7V4135
1,4-Dichlorobenzene	ND	.125	ND	Q7V4135
1,2-Dichloroethane	ND	.125	ND	Q7V4135
1,1-Dichloroethylene	ND	.125	ND	Q7V4135
Methyl ethyl ketone	ND	.125	ND	Q7V4135
Tetrachloroethylene	ND	.125	ND	Q7V4135
Trichloroethylene	ND	.125	ND	Q7V4135
Vinyl chloride	ND	.125	ND	Q7V4135

RCRA TCLP LEACHATE (ZHE) VOLATILE ANALYSIS, MS, (MV50)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORPORATION	016208C	EX63BEDP3A	JN6452

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Benzene	ND	.125	ND	Q7V4135
Carbon tetrachloride	ND	.125	ND	Q7V4135
Chlorobenzene	ND	.125	ND	Q7V4135
Chloroform	ND	.125	ND	Q7V4135
1,4-Dichlorobenzene	ND	.125	ND	Q7V4135
1,2-Dichloroethane	ND	.125	ND	Q7V4135
1,1-Dichloroethylene	ND	.125	ND	Q7V4135
Methyl ethyl ketone	ND	.125	ND	Q7V4135
Tetrachloroethylene	ND	.125	ND	Q7V4135
Trichloroethylene	ND	.125	ND	Q7V4135
Vinyl chloride	ND	.125	ND	Q7V4135

RCRA TCLP LEACHATE (ZHE) VOLATILE ANALYSIS, MS, (MV50)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP5B

JN6705

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Benzene	ND	.125	ND	Q7V4135
Carbon tetrachloride	ND	.125	ND	Q7V4135
Chlorobenzene	ND	.125	ND	Q7V4135
Chloroform	ND	.125	ND	Q7V4135
1,4-Dichlorobenzene	ND	.125	ND	Q7V4135
1,2-Dichloroethane	ND	.125	ND	Q7V4135
1,1-Dichloroethylene	ND	.125	ND	Q7V4135
Methyl ethyl ketone	ND	.125	ND	Q7V4135
Tetrachloroethylene	ND	.125	ND	Q7V4135
Trichloroethylene	ND	.125	ND	Q7V4135
Vinyl chloride	ND	.125	ND	Q7V4135

RCRA TCLP LEACHATE (ZHE) VOLATILE ANALYSIS, MS, (MV50)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP1B

JN6706

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Benzene	ND	.125	ND	Q7V4135
Carbon tetrachloride	ND	.125	ND	Q7V4135
Chlorobenzene	ND	.125	ND	Q7V4135
Chloroform	ND	.125	ND	Q7V4135
1,4-Dichlorobenzene	ND	.125	ND	Q7V4135
1,2-Dichloroethane	ND	.125	ND	Q7V4135
1,1-Dichloroethylene	ND	.125	ND	Q7V4135
Methyl ethyl ketone	ND	.125	ND	Q7V4135
Tetrachloroethylene	ND	.125	ND	Q7V4135
Trichloroethylene	ND	.125	ND	Q7V4135
Vinyl chloride	ND	.125	ND	Q7V4135

RCRA TCLP LEACHATE (ZHE) VOLATILE ANALYSIS, MS, (MV50)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP1C

JN6707

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Benzene	ND	.125	ND	Q7V4135
Carbon tetrachloride	ND	.125	ND	Q7V4135
Chlorobenzene	ND	.125	ND	Q7V4135
Chloroform	ND	.125	ND	Q7V4135
1,4-Dichlorobenzene	ND	.125	ND	Q7V4135
1,2-Dichloroethane	ND	.125	ND	Q7V4135
1,1-Dichloroethylene	ND	.125	ND	Q7V4135
Methyl ethyl ketone	ND	.125	ND	Q7V4135
Tetrachloroethylene	ND	.125	ND	Q7V4135
Trichloroethylene	ND	.125	ND	Q7V4135
Vinyl chloride	ND	.125	ND	Q7V4135

RCRA TCLP LEACHATE (ZHE) VOLATILE ANALYSIS, MS, (MV50)

Company Name Facility Sample Point ASC Sample No.
OHM REMEDIATION SERVICES CORPORATION 016208C EX63BEDP3B JN6708

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Benzene	ND	.125	ND	Q7V4135
Carbon tetrachloride	ND	.125	ND	Q7V4135
Chlorobenzene	ND	.125	ND	Q7V4135
Chloroform	ND	.125	ND	Q7V4135
1,4-Dichlorobenzene	ND	.125	ND	Q7V4135
1,2-Dichloroethane	ND	.125	ND	Q7V4135
1,1-Dichloroethylene	ND	.125	ND	Q7V4135
Methyl ethyl ketone	ND	.125	ND	Q7V4135
Tetrachloroethylene	ND	.125	ND	Q7V4135
Trichloroethylene	ND	.125	ND	Q7V4135
Vinyl chloride	ND	.125	ND	Q7V4135

APPENDIX C
QUALITY ASSURANCE DATA

SUMMARY OF ANALYTICAL METHODOLOGY

ASC Joblink # 617309

REFERENCE		TITLE
1020	SW-846	Flash Point, Setaflash
1311	SW-846	Toxicity Characteristic Leaching Procedure
160.3	CAWW	Residue, Total, Gravimetric, Dried at 103-105 C
418.1	MCAWW	Petroleum Hydrocarbons, Total Recoverable
6010	SW-846	Inductively Coupled Plasma Atomic Emmision Spectroscopy
7470	SW-846	Mercury in Liquid Waste (Manual Cold-Vapor Technique)
7471	SW-846	Mercury in Solid Waste (Manual Cold-Vapor Technique)
8080	SW-846	Organochlorine Pesticides and/or PCBs
8100	SW-846	Polynuclear Aromatic Hydrocarbons
8150	SW-846	Chlorinated Herbicides
8240	SW-846	GC/MS for Volatile Organics
8270	SW-846	GC/MS for Semivolatile Organics: Capillary Column Technique
CLP 1.7.1.1	CLP	pH, Electrode
SECTION 7.3.3.2	SW-846	Test Method to Determine HCN Released from Wastes
SECTION 7.3.4.2	SW-846	Test Method to Determine HS Released from Wastes

METHODOLOGY REFERENCES

ASTM	<i>American Society for Testing and Materials</i> , 1985 edition.
CAWW	<i>Methods for Chemical Analysis of Water and Wastes</i> , April 1979 and Updated #1 March 1983.
CLP	<i>USEPA Contract Laboratory Program</i> , Document #OLMO1.0, updates December 1990 #OLMO1.1 and February 1991 #OLMO1.1.1.
EPA-500	<i>USEPA Methods for the Determination of Organic Compounds in Drinking Water</i> , EPA-600/4-88/039 December 1988.
EPA-600	<i>USEPA Test Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater</i> , EPA-600/4-82-057 July 1982.
NIOSH	<i>National Institute for Occupational Safety and Health</i> , 3rd edition, 1984.
SMEWW	<i>Standard Methods for the Examination of Water and Wastewater</i> , 17th edition, 1989.
STOA	<i>Spot Tests In Organic Analysis</i> , 7th edition, 1966.
SW-846	<i>Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods</i> , 3rd edition, September 1986 and Update #1 July 1992.
(1)	This method was modified to incorporate the use of Boron Trifluoride (BF ₃) as the derivatizing reagent according to Method 6640 in <i>SMEWW</i> , 17th edition, 1989.
Title 22	<i>Waste Extraction Test</i> , Title 22, Section 66261.126 Appendix 2 of the California Administrative Code, May 1991.

ASC Certifications

State	Agency	Certification #
Alabama	ADEM	40830
California	CADOH	1178
Colorado	CODOH	OH113
Delaware	DEHSS	OH113
Kansas	KSDHE	E-202 & E-1173
Louisiana	LADOHH	92-10
Maryland	MDDHMH	210
Massachusetts	MADEP	M-OH113
New Jersey	NJDEPE	74603
New York	NYDOH	10712
North Carolina	NCDEM	392
Ohio	OHEPA	OH113
Oklahoma	OKDEQ	9216
Pennsylvania	PADER	68-450
South Carolina	SCDEHNR	92002
Tennessee	TNDOH/TNDEC	2978
Virginia	VADGS	00011
Washington	WADOE	C154
Wisconsin	WIDNR	999037160

Validated by:

- o US Army Corps of Engineers Chemical Analysis in Various Matrices

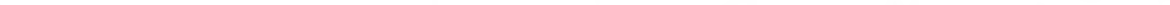
Approvals:

- o Chemical Waste Management Waste Characterization Analysis
- o EnviroSAFE Waste Characterization Analysis
- o USDA Permit for Importing Soils
- o Florida DEP Quality Assurance Plan #930034G
- o Naval Facilities Engineering Service Center Chemical Analysis in Various Matrices

REPORT KEY

mg/kg	= milligram per kilogram (ppm)
Mg/m ³	= milligram per cubic meter
ug/kg	= microgram per kilogram (ppb)
mg/L	= milligram per liter (ppm)
ug/L	= microgram per liter (ppb)
mg/W	= milligram per wipe
ug/W	= microgram per wipe
mg/SMP	= milligram per sample
ug/SMP	= microgram per sample (Tedlar Bag)
ug/smp	= microgram per sample
um/cm	= microMho per centimeter
pCi/l	= picocurie per liter
gm/cc	= grams per cubic centimeter
ppm	= parts per million
ppb	= parts per billion
ND	= Not detected at or above stated detection limit
<	= less than
>	= greater than
%	= percent
BTU/lb	= British Thermal Units per pound
Deg. C	= Degrees Celsius
n/a	= not applicable
Unk	= unknown
std	= result is relative to standard pH units
CV	= Conventional
IR	= Infrared Spectrophotometric
GC	= Gas Chromatograph Instrument
GC/MS	= Gas Chromatography/Mass Spectrometer Instrument
GRO	= Gasoline Range Organics
DRO	= Diesel Range Organics
PCB	= Polychlorinated Biphenyls (PCBs)
EP TOX	= Extraction Procedure Toxicity
TCLP	= Toxicity Characteristic Leaching Procedure
RCRA	= Resource Conservation and Recovery Act
SOW	= Statement of Work

CONVENTIONAL DATA (CV10)



CONVENTIONAL DATA (CV10)

[illegible]

QUALITY ASSURANCE DATA

RCRA TOTAL METALS ANALYSIS, (ME50)

Compounds	Blank Results mg/kg	Blank Spike Recov	Unspiked Sample Results mg/kg	Matrix Spike Recov	Relative Percent Diff	Batch Number
Arsenic	ND	92	16.3	79	21	Q2M5827R
Barium	ND	97	17.2	87	15	Q2M5827R
Cadmium	ND	89	ND	79	23	Q2M5827R
Chromium	ND	91	11.4	60	5	Q2M5827R
Lead	ND	92	6.90	88	52	Q2M5827R
Mercury	ND	83	ND	90	3	Q2G5820
Selenium	ND	89	ND	84	15	Q2M5827R
Silver	ND	99	ND	80	12	Q2M5827R

Variable QC matrix spike recoveries were attributed to sample matrix interference.

QUALITY ASSURANCE DATA

TOTAL PESTICIDE AND PCB ANALYSIS, GC, (GS05)

Compounds	Blank Results mg/kg	Blank Spike Recov	Unspiked Sample Results mg/kg	Matrix Spike Recov	Relative Percent Diff	Batch Number
Aldrin	ND	101	ND	49	6	Q2P41910
Alpha-BHC	ND	93	ND	36	8	Q2P41910
Beta-BHC	ND	135	ND	56	8	Q2P41910
Chlordane	ND	142	ND	64	7	Q2P41910
4,4'-DDD	ND	114	ND	63	7	Q2P41910
4,4'-DDE	ND	114	ND	55	7	Q2P41910
4,4'-DDT	ND	117	130	56	17	Q2P41910
Delta-BHC	ND	72	ND	39	8	Q2P41910
Dieldrin	ND	118	ND	61	3	Q2P41910
Endosulfan sulfate	ND	109	ND	62	1	Q2P41910
Endosulfan I	ND	142	ND	64	7	Q2P41910
Endosulfan II	ND	142	ND	67	5	Q2P41910
Endrin	ND	121	ND	63	1	Q2P41910
Endrin aldehyde	ND	91	ND	206	4	Q2P41910
Endrin ketone	ND	119	ND	61	5	Q2P41910
Gamma-BHC	ND	101	ND	40	7	Q2P41910
Heptachlor	ND	143	ND	66	7	Q2P41910
Heptachlor epoxide	ND	143	ND	64	8	Q2P41910
Methoxychlor	ND	151	ND	74	8	Q2P41910

Endrin aldehyde: Spike recovery which are out of control are due to matrix interference

QUALITY ASSURANCE DATA

PRIORITY POLLUTANT PNA ANALYSIS, GC, (GS16)

Compounds	Blank Results mg/kg	Blank Spike Recov	Unspiked Sample Results mg/kg	Matrix Spike Recov	Relative Percent Diff	Batch Number
Acenaphthene	ND	62	.656	-	-	Q2F41909
Acenaphthylene	ND	40	.385	-	-	Q2F41909
Anthracene	ND	41	1.99	-	-	Q2F41909
Benzo(a)anthracene	ND	59	.053	101	9	Q2F41909
Benzo(b)fluoranthene	ND	59	.057	94	5	Q2F41909
Benzo(k)fluoranthene	ND	62	ND	124	12	Q2F41909
Benzo(ghi)perylene	ND	56	.094	120	6	Q2F41909
Benzo(a)pyrene	ND	41	.065	90	7	Q2F41909
Chrysene	ND	62	.053	95	9	Q2F41909
Dibenzo(a,h)anthracene	ND	56	.097	106	6	Q2F41909
Fluoranthene	ND	64	.506	-	-	Q2F41909
Fluorene	ND	64	.484	-	-	Q2F41909
Naphthalene	ND	63	.490	-	-	Q2F41909
Phenanthrene	ND	65	.881	-	-	Q2F41909
Pyrene	ND	65	.262	112	10	Q2F41909

Surrogate recoveries which are outside of control limits were attributed to the sample matrix, this was confirmed by replicate analysis.

Due to sample matrix interferences, the spiked sample does not provide valid spike recovery data.

TOTAL PETROLEUM HYDROCARBON ANALYSIS, IR (IR00)

Compounds	Blank Results mg/kg	Blank Spike Recov	Unspiked Sample Results mg/kg	Matrix Spike Recov	Relative Percent Diff	Batch Number
Petroleum Hydrocarbons (IR)	ND	83	34.9	134	35	Q2T41912

QUALITY ASSURANCE DATA

TOTAL PETROLEUM HYDROCARBON ANALYSIS, IR (IR00)

Compounds	Blank Results mg/kg	Blank Spike Recov	Unspiked Sample Results mg/kg	Matrix Spike Recov	Relative Percent Diff	Batch Number
Petroleum Hydrocarbons (IR)	ND	78	411	-	-	Q2T41932

Matrix spike recoveries are not available due to the dilution of the QC matrix spike sample extracts during analysis.

TOTAL VOLATILE ANALYSIS, MS, (MV00)

Compounds	Blank Results mg/kg	Blank Spike Recov	Unspiked Sample Results mg/kg	Matrix Spike Recov	Relative Percent Diff	Batch Number
Benzene	ND	98	ND	100	1	Q2V4130
Chlorobenzene	ND	99	ND	85	10	Q2V4130
1,1-Dichloroethylene	ND	105	ND	103	4	Q2V4130
Toluene	ND	105	ND	89	4	Q2V4130
Trichloroethylene	ND	99	ND	96	1	Q2V4130

RCRA TCLP LEACHATE HERBICIDE ANALYSIS, GC, (GS52)

Compounds	Blank Results mg/L	Blank Spike Recov	Unspiked Sample Results mg/L	Matrix Spike Recov	Relative Percent Diff	Batch Number
2,4-D	ND	68	ND	46	13	Q7H41924
2,4,5-TP (Silvex)	ND	91	ND	60	14	Q7H41924

RCRA TCLP LEACHATE HERBICIDE ANALYSIS, GC, (GS52)

Compounds	Blank Results mg/L	Blank Spike Recov	Unspiked Sample Results mg/L	Matrix Spike Recov	Relative Percent Diff	Batch Number
2,4-D	ND	76	ND	43	15	Q7H50007
2,4,5-TP (Silvex)	ND	78	ND	44	17	Q7H50007

RCRA TCLP LEACHATE PESTICIDE ANALYSIS, GC, (GS54)

[illegible]

RCRA TCLP LEACHATE PESTICIDE ANALYSIS, GC, (GS54)

Compounds	Blank Results mg/L	Blank Spike Recov	Unspiked Sample Results mg/L	Matrix Spike Recov	Relative Percent Diff	Batch Number
Chlordane	ND	79	ND	76	1	Q7P50006
Endrin	ND	68	ND	68	2	Q7P50006
Heptachlor	ND	64	ND	62	1	Q7P50006
Heptachlor epoxide	ND	71	ND	69	3	Q7P50006
Lindane	ND	55	ND	53	3	Q7P50006
Methoxychlor	ND	101	ND	99	2	Q7P50006

QUALITY ASSURANCE DATA

RCRA TCLP LEACHATE METALS ANALYSIS, (ME52)

Compounds	Blank Results mg/L	Blank Spike Recov	Unspiked Sample Results mg/L	Matrix Spike Recov	Relative Percent Diff	Batch Number
Arsenic	ND	99	ND	96	8	Q7M5811
Barium	ND	97	.275	98	8	Q7M5811
Cadmium	ND	98	ND	93	6	Q7M5811
Chromium	ND	98	ND	92	7	Q7M5811
Lead	ND	97	ND	95	8	Q7M5811
Mercury	ND	99	ND	104	1	Q7G5821
Selenium	ND	101	ND	98	7	Q7M5811
Silver	ND	103	ND	96	12	Q7M5811
Copper	ND	99	.029	97	7	Q7M5811
Zinc	ND	99	ND	95	7	Q7M5811

RCRA TCLP LEACHATE METALS ANALYSIS, (ME52)

Compounds	Blank Results mg/L	Blank Spike Recov	Unspiked Sample Results mg/L	Matrix Spike Recov	Relative Percent Diff	Batch Number
Arsenic	ND	96	ND	92	3	Q7M5842
Barium	ND	92	.708	85	1	Q7M5842
Cadmium	ND	96	ND	87	2	Q7M5842
Chromium	.022	88	.022	80	1	Q7M5842
Lead	ND	96	ND	86	2	Q7M5842
Mercury	ND	99	ND	104	1	Q7G5821
Selenium	ND	95	ND	94	3	Q7M5842
Silver	ND	85	ND	96	1	Q7M5842
Copper	ND	93	.026	90	1	Q7M5842
Zinc	ND	95	.227	89	2	Q7M5842

QUALITY ASSURANCE DATA

RCRA TCLP LEACHATE BASE/NEUTRAL/ACID ANALYSIS, MS, (MS52)

Compounds	Blank Results mg/L	Blank Spike Recov	Unspiked Sample Results mg/L	Matrix Spike Recov	Relative Percent Diff	Batch Number
2,4-Dinitrotoluene	ND	97	ND	102	4	Q7C41923
Hexachlorobenzene	ND	108	ND	63	16	Q7C41923
Hexachloroethane	ND	43	ND	31	13	Q7C41923
Hexachlorobutadiene	ND	47	ND	26	7	Q7C41923
2-Methylphenol	ND	90	ND	92	1	Q7C41923
4-Methylphenol	ND	80	ND	82	0	Q7C41923
Nitrobenzene	ND	81	ND	78	3	Q7C41923
Pentachlorophenol	ND	82	ND	88	2	Q7C41923
Pyridine	ND	64	ND	61	1	Q7C41923
2,4,5-Trichlorophenol	ND	86	ND	89	6	Q7C41923
2,4,6-Trichlorophenol	ND	83	ND	85	1	Q7C41923

3-Methyl- and 4-Methylphenol coelute and are reported as the total

QUALITY ASSURANCE DATA

RCRA TCLP LEACHATE BASE/NEUTRAL/ACID ANALYSIS, MS, (MS52)

Compounds	Blank Results mg/L	Blank Spike Recov	Unspiked Sample Results mg/L	Matrix Spike Recov	Relative Percent Diff	Batch Number
2,4-Dinitrotoluene	ND	93	ND	106	2	Q7C50005
Hexachlorobenzene	ND	98	ND	76	13	Q7C50005
Hexachloroethane	ND	29	ND	26	12	Q7C50005
Hexachlorobutadiene	ND	26	ND	22	13	Q7C50005
2-Methylphenol	ND	70	ND	91	6	Q7C50005
4-Methylphenol	ND	67	ND	86	4	Q7C50005
Nitrobenzene	ND	70	ND	83	10	Q7C50005
Pentachlorophenol	ND	75	ND	90	3	Q7C50005
Pyridine	ND	57	ND	80	7	Q7C50005
2,4,5-Trichlorophenol	ND	82	ND	88	4	Q7C50005
2,4,6-Trichlorophenol	ND	75	ND	88	2	Q7C50005

3-Methyl- and 4-Methylphenol coelute and are reported as the total

QUALITY ASSURANCE DATA

RCRA TCLP LEACHATE (ZHE) VOLATILE ANALYSIS, MS, (MV50)

Compounds	Blank Results mg/L	Blank Spike Recov	Unspiked Sample Results mg/L	Matrix Spike Recov	Relative Percent Diff	Batch Number
Benzene	ND	97	ND	99	9	Q7V4132
Carbon tetrachloride	ND	97	ND	100	13	Q7V4132
Chlorobenzene	ND	91	ND	90	5	Q7V4132
Chloroform	ND	97	ND	94	4	Q7V4132
1,4-Dichlorobenzene	ND	74	ND	80	6	Q7V4132
1,2-Dichloroethane	ND	99	ND	93	2	Q7V4132
1,1-Dichloroethylene	ND	90	ND	83	1	Q7V4132
Methyl ethyl ketone	ND	90	ND	82	0	Q7V4132
Tetrachloroethylene	ND	95	ND	93	7	Q7V4132
Trichloroethylene	ND	98	ND	99	7	Q7V4132
Vinyl chloride	ND	86	ND	79	5	Q7V4132

QUALITY ASSURANCE DATA

RCRA TCLP LEACHATE (ZHE) VOLATILE ANALYSIS, MS, (MV50)

Compounds	Blank Results mg/L	Blank Spike Recov	Unspiked Sample Results mg/L	Matrix Spike Recov	Relative Percent Diff	Batch Number
Benzene	ND	95	ND	95	7	Q7V4135
Carbon tetrachloride	ND	95	ND	94	7	Q7V4135
Chlorobenzene	ND	92	ND	90	5	Q7V4135
Chloroform	ND	91	ND	90	3	Q7V4135
1,4-Dichlorobenzene	ND	79	ND	78	3	Q7V4135
1,2-Dichloroethane	ND	94	ND	95	4	Q7V4135
1,1-Dichloroethylene	ND	85	ND	83	3	Q7V4135
Methyl ethyl ketone	ND	79	ND	79	8	Q7V4135
Tetrachloroethylene	ND	92	ND	92	4	Q7V4135
Trichloroethylene	ND	96	ND	97	2	Q7V4135
Vinyl chloride	ND	80	ND	80	1	Q7V4135

QUALITY ASSURANCE DATA SURROGATE SUMMARY REPORT

SURROGATE ID	A159	B732	A121	A884	A158	B142	# OUT
QC BATCH: Q7C41923 Leachate (Semi-Volatile organics by MS)							
SAMPLE ID							
BLANK	90	92	92	96	91	67	0
BLANK SPIKE	91	92	85	98	96	95	0
EX63BEDP1A	77	73	78	83	79	82	0
EX63BEDP3A	84	79	82	97	97	77	0
EX63BEDP5A	61	76	71	93	94	78	0
EX63BEDP6A MD	90	95	87	100	97	95	0
EX63BEDP6A MS	88	92	83	101	96	94	0
EX63BEDUP	83	81	82	96	97	87	0
QC LIMITS	(21-110)	(10-110)	(10-123)	(35-114)	(43-116)	(33-141)	
QC BATCH: Q7C50005 Leachate (Semi-Volatile organics by MS)							
SAMPLE ID							
BLANK	85	80	78	87	78	30 *	1
BLANK SPIKE	78	70	84	86	78	47	0
EX63BEDP1B	79	71	77	86	75	77	0
EX63BEDP1C	86	77	82	92	82	94	0
EX63BEDP3B	84	75	82	89	79	79	0
EX63BEDP3B MD	82	85	89	86	80	92	0
EX63BEDP3B MS	97	95	88	100	90	93	0
EX63BEDP5B	83	74	79	88	76	90	0
QC LIMITS	(21-110)	(10-110)	(10-123)	(35-114)	(43-116)	(33-141)	

SURROGATE ID	F044	# OUT
QC BATCH: Q2F41909 Solid (Organics by GC-FID)		
SAMPLE ID		
BLANK	73	0
BLANK SPIKE	75	0
EX63BEDP1A	88	0
EX63BEDP3A	134 *	1
EX63BEDP5A	134 *	1
EX63BEDP5A MD	70	0
EX63BEDP5A MS	153 *	1
EX63BEDUP	63	0
QC LIMITS	(39-130)	

SURROGATE ID	
A047 = 1,2-Dichloroethane-D4	A500 = Decachlorobiphenyl
B185 = Toluene-D8	F044 = 2-Fluorobiphenyl (GC)
B668 = Bromofluorobenzene	F047 = 2,4-Dichlorophenylacetic-acid
A159 = 2-Fluorophenol	
B732 = Phenol-D6	
A121 = 2,4,6-Tribromophenol	
A884 = Nitrobenzene-D5	
A158 = 2-Fluorobiphenyl	
B142 = Terphenyl-D14	
B816 = 2,4,5,6-Tetrachloro-m-xylene	

* Values outside of method quality control limits
D Sample was diluted, however, some surrogates may be reported if results were observed.

It is ASC's laboratory policy to allow one surrogate per sample fraction (acid, base-neutral or pesticide) to exceed the stated QC limits. This policy is based upon the USEPA SOW for the Contract Laboratory Program (CLP).

QUALITY ASSURANCE DATA SURROGATE SUMMARY REPORT

SURROGATE ID			
F047		# OUT	
QC BATCH: Q7H41924 Leachate (Herbicide compounds by GC)			
SAMPLE ID			
BLANK	98	0	
BLANK SPIKE	93	0	
EX63BEDP1A	104	0	
EX63BEDP3A	109	0	
EX63BEDP5A	81	0	
EX63BEDP6A MD	85	0	
EX63BEDP6A MS	94	0	
EX63BEDUP	107	0	
QC LIMITS		(30-130)	
QC BATCH: Q7H50007 Leachate (Herbicide compounds by GC)			
SAMPLE ID			
BLANK	40	0	
BLANK SPIKE	98	0	
EX63BEDP1B	66	0	
EX63BEDP1C	96	0	
EX63BEDP3B	75	0	
EX63BEDP3B MD	92	0	
EX63BEDP3B MS	105	0	
EX63BEDP5B	86	0	
QC LIMITS		(30-130)	

SURROGATE ID			
B816		A500	
# OUT			
QC BATCH: Q2P41910 Solid (Pesticide compounds by GC)			
SAMPLE ID			
BLANK	84	109	0
BLANK SPIKE	118	127	0
EX63BEDP1A	71	97	0
EX63BEDP3A	40	69	0
EX63BEDP5A	58	94	0
EX63BEDP5A MD	47	77	0
EX63BEDP5A MS	45	72	0
EX63BEDUP	56	92	0
QC LIMITS		(30-130) (30-130)	

SURROGATE ID	
A047 = 1,2-Dichloroethane-D4	A500 = Decachlorobiphenyl
B185 = Toluene-D8	F044 = 2-Fluorobiphenyl (GC)
B668 = Bromofluorobenzene	F047 = 2,4-Dichlorophenylacetic-acid
A159 = 2-Fluorophenol	
B/32 = Phenol-D6	
A121 = 2,4,6-Tribromophenol	
A884 = Nitrobenzene-D5	
A158 = 2-Fluorobiphenyl	
B142 = Terphenyl-D14	
B816 = 2,4,5,6-Tetrachloro-m-xylene	

* Values outside of method quality control limits
D Sample was diluted, however, some surrogates may be reported if results were observed.

It is ASC's laboratory policy to allow one surrogate per sample fraction (acid, base-neutra or pesticide) to exceed the stated QC limits. This policy is based upon the USEPA SOW for the Contract Laboratory Program (CLP).

QUALITY ASSURANCE DATA SURROGATE SUMMARY REPORT

SURROGATE ID	B816	A500	#	OUT
QC BATCH: Q7P41925 Leachate (Pesticide compounds by GC)				
SAMPLE ID				
BLANK	98	98	0	
BLANK SPIKE	87	76	0	
EX63BEDP1A	79	105	0	
EX63BEDP3A	78	104	0	
EX63BEDP5A	78	103	0	
EX63BEDP6A MD	95	106	0	
EX63BEDP6A MS	92	101	0	
EX63BEDUP	85	108	0	
QC LIMITS	(30-130)	(30-130)		

SURROGATE ID	B816	A500	#	OUT
QC BATCH: Q7P50006 Leachate (Pesticide compounds by GC)				
SAMPLE ID				
BLANK	88	48	0	
BLANK SPIKE	96	69	0	
EX63BEDP1B	84	97	0	
EX63BEDP1C	89	101	0	
EX63BEDP3B	92	100	0	
EX63BEDP3B MD	95	99	0	
EX63BEDP3B MS	91	99	0	
EX63BEDP5B	82	96	0	
QC LIMITS	(30-130)	(30-130)		

SURROGATE ID	A047	B185	B668	#	OUT
QC BATCH: Q2V4130 Solid (Volatile organics by MS)					
SAMPLE ID					
BLANK	100	113	105	0	
BLANK SPIKE	96	104	94	0	
EX63BED1AG	102	85	104	0	
EX63BED2AG MD	102	103	83	0	
EX63BED2AG MS	108	95	83	0	
EX63BED3AG	104	101	98	0	
EX63BED5AG	103	104	93	0	
EX63BEDUPG	99	105	91	0	
QC LIMITS	(70-121)	(81-117)	(74-121)		

SURROGATE ID	
A047 = 1,2-Dichloroethane-D4	A500 = Decachlorobiphenyl
B185 = Toluene-D8	F044 = 2-Fluorobiphenyl (GC)
B668 = Bromofluorobenzene	F047 = 2,4-Dichlorophenylacetic-acid
A159 = 2-Fluorophenol	
B732 = Phenol-D6	
A121 = 2,4,6-Tribromophenol	
A884 = Nitrobenzene-D5	
A158 = 2-Fluorobiphenyl	
B142 = Terphenyl-D14	
B816 = 2,4,5,6-Tetrachloro-m-xylene	

* Values outside of method quality control limits
D Sample was diluted, however, some surrogates may be reported if results were observed.

It is ASC's laboratory policy to allow one surrogate per sample fraction (acid, base-neutral or pesticide) to exceed the stated QC limits. This policy is based upon the USEPA SOW for the Contract Laboratory Program (CLP).

QUALITY ASSURANCE DATA SURROGATE SUMMARY REPORT

SURROGATE ID	A047	B185	B668	# OUT
--------------	------	------	------	-------

QC BATCH: Q7V4132 Leachate (Volatile organics by MS)

SAMPLE ID

BLANK	105	100	98	0
BLANK SPIKE	109	102	98	0
EX63BEDP2A MD	102	98	96	0
EX63BEDP2A MS	105	98	95	0
EX63BEDP5A	104	98	96	0
EX63BEDUP	105	97	101	0

QC LIMITS (70-121) (81-117) (74-121)

QC BATCH: Q7V4135 Leachate (Volatile organics by MS)

SAMPLE ID

BLANK	101	94	94	0
BLANK SPIKE	101	98	97	0
EX63BEDP1A	101	94	95	0
EX63BEDP1A MD	101	93	92	0
EX63BEDP1A MS	102	95	96	0
EX63BEDP1B	102	93	97	0
EX63BEDP1C	100	97	94	0
EX63BEDP3A	99	90	93	0
EX63BEDP3B	107	102	101	0
EX63BEDP5B	100	94	92	0

QC LIMITS (70-121) (81-117) (74-121)

SURROGATE ID

A047 = 1,2-Dichloroethane-D4	A500 = Decachlorobiphenyl
B185 = Toluene-D8	F044 = 2-Fluorobiphenyl (GC)
B668 = Bromofluorobenzene	F047 = 2,4-Dichlorophenylacetic-acid
A159 = 2-Fluorophenol	
B732 = Phenol-D6	
A121 = 2,4,6-Tribromophenol	
A884 = Nitrobenzene-D5	
A158 = 2-Fluorobiphenyl	
B142 = Terphenyl-D14	
B816 = 2,4,5,6-Tetrachloro-m-xylene	

* Values outside of method quality control limits

D Sample was diluted, however, some surrogates may be reported if results were observed.

It is ASC's laboratory policy to allow one surrogate per sample fraction (acid, base-neutral or pesticide) to exceed the stated QC limits. This policy is based upon the USEPA SOW for the Contract Laboratory Program (CLP).

APPENDIX D
CHAIN-OF-CUSTODY RECORD(S)



OHM Corporation

CHAIN-OF-CU BODY RECORD

Form 0019
Technical Services
Rev. 08/89

No. 107768

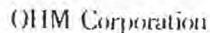
O.H. MATERIALS CORP. • P.O. BOX 551 • FINDLAY, OH 45839-0551 • 419-423-3526

PROJECT NAME		PROJECT LOCATION		NUMBER OF CONTAINERS		ANALYSIS DESIRED (INDICATE SEPARATE CONTAINERS)										REMARKS
PROJ. NO.	PROJECT CONTACT	PROJECT TELEPHONE NO.	<div style="display: flex; justify-content: space-around; font-size: small;"> <div>Total UOA</div> <div>Full TCLP</div> <div>PCRA Char</div> <div>TPH Char</div> <div>PCB/Pest</div> <div>PCRA metals</div> </div>													
CLIENT'S REPRESENTATIVE		PROJECT MANAGER/SUPERVISOR														
ITEM NO.	SAMPLE NUMBER	DATE											TIME	COMP	GRAB	
Ft Devens		Ayer Me														
16208		Mike Quinlan		(508) 772-2019												
Tim Coleman (USA)		Bill Snow														
1	EX63BEDPSA	12.20.94	0958	✓		Grey sand & med brown clay mixture, lots of cobble	1X1L	✓	✓	✓	✓	✓	✓			
2	EX63BEDPSB		1030	✓		Small amount grey clay, mostly sand & cobble		✓	✓	✓						
3	EX63BEDUP		0958	✓		Grey sand & med brown clay mixture, lots of cobble		✓	✓	✓	✓	✓	✓			
4	EX63BEDIA		1142	✓		med brown sandy soil, lots of cobble	neg	✓	✓	✓	✓	✓	✓			
5	EX63BEDPIB		1120	✓		Lt brown clayey sand, lots of cobble		✓	✓	✓						
6	EX63BEDPIC		1142	✓		Lt Brown clayey sand, lots of cobble		✓	✓	✓						
7	EX63BEDIAG		1127	✓		Darkish brown sand, lots of cobble	2X40m UOA	✓								
8	EX63BED5AG		0930	✓		Grey clay & yellowish brown sand, lots of cobble, TPit med		✓								
9	EX63BED3AG		1341	✓		mostly wet grey clay, goldish clayey sand, lots cobble, TPA shell		✓								
10	EX63BEDUPG		0930	✓		Grey clay & yellowish brown sand, lots of cobble, TPit shell		✓								

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME	REMARKS	
1	1-10	AS Blum	Fed EX A-biv 2989345914	12.20.94	1200		<ul style="list-style-type: none"> Preserved at 4°C Temp blank included Sdzy TAT
2	1-10	FED EX 2989345914	Donita Jensen	12/21/94	1013		
3							
4							

SAMPLER'S SIGNATURE: AS Blum

LAB COPY



CHAIN-OF-CUSTODY BODY RECORD

~~E 025~~
mms

Form 0019
Firm Technical Services
Rev. 08/89

No. 107769

O.H. MATERIALS CORP. • P.O. BOX 551 • FINDLAY, OH 45839-0551 • 419-423-3526

PROJECT NAME		PROJECT LOCATION		ANALYSIS DESIRED (INDICATE SEPARATE CONTAINERS)				
PROJ. NO.		PROJECT CONTACT		PROJECT TELEPHONE NO.				
CLIENT'S REPRESENTATIVE		PROJECT MANAGER/SUPERVISOR		REMARKS				
ITEM NO.	SAMPLE NUMBER	DATE	TIME	COMP	GRAB	SAMPLE DESCRIPTION (INCLUDE MATRIX AND POINT OF SAMPLE)	NUMBER OF CONTAINERS	REMARKS
1	EX63BEDP3A	12.20 74	1357	✓		Lt Brown clay w some sand, lots of cobble	1X1L	<div> <div>Full TCLP</div> <div>PCRA Char</div> <div>TPH</div> <div>PAH</div> <div>PCB/pest</div> <div>PCRA metals</div> </div>
2	EX63BEDP3B	↓	1415	✓		moist clay ex sand, lots of cobble, strong TPH odor	1X1L	
3								
4								
5								
6								
7								
8								
9								
10								

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME	REMARKS
1	192	Donita Jensen	Fed Ex Airball 29 89345914	12.20 94	1700	• Preserved at 4°C • Temp blank included • 5 day TAT
2	1, 2	FED EX 2989345914	Donita Jensen	12/21/94	K10	
3						
4						

SAMPLER'S SIGNATURE

Donita Jensen

LAB COPY



OHM Remediation
Services Corp.

A Subsidiary of OHM Corporation

ANALYTICAL DIVISION

Laboratory Analysis Report

Client: OHM Remediation Services Corp.
Eastern Region (Hopkinton, MA)

Attn: William Snow
Ron Kenyon
Mike Quinlan

Project: 16208C - USACE; Fort Devens, MA

Sample Type(s): Solid

Analysis Performed: Conventionals, Metals, Organic and
RCRA TCLP Leachate Parameters

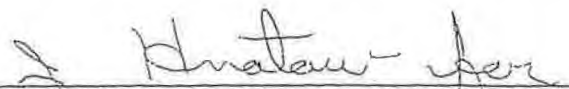
Date Sample Received: December 22, 1994

Date Order Received: December 22, 1994

Joblink(s): 617314

This report is "PROPRIETARY AND CONFIDENTIAL" and delivered to, and intended for the exclusive use of the above named client only. OHM Remediation Services Corp., Analytical Division, assumes no responsibility or liability for the reliance hereon or use hereof by anyone other than the above named client.

Reviewed and Approved by:


Thomas E. Gran, Ph.D., Vice President

Date: January 19, 1995

APPENDIX A
DATA SUMMARY REPORT

NOTE: The Tentatively Identified Volatile (GC/MS) Screen result(s), if applicable, is included in Appendix B.

DATA SUMMARY REPORT

DATE: 01/13/95

PAGE: 1

Company: OHM REMEDIATION SERVICES CORPORATION

Sample Point ID:	EX63BEDP6A	EX63BEDP6G	EX63BEDP6K	EX63BED6AG	EX63BED6GG	EX63BED6KG
ASC Sample Number:	JN6476	JN6477	JN6478	JN6488	JN6489	JN6490
Sample Date:	941221	941221	941221	941221	941221	941221
Facility Code:	016208C	016208C	016208C	016208C	016208C	016208C

Parameters	Units
------------	-------

onventional Data (CV10)

Flash Point, Seta Flash	Deg C	>93	>93	>93	-	-	-
Reactive Cyanide	mg/kg	<10.0	<10.0	<10.0	-	-	-
Reactive Sulfide	mg/kg	<20.0	<20.0	<20.0	-	-	-
Solids, Total	%	90.5	91.6	89.8	85.9	89.8	90.2
pH (Electrode)	std	6.43	5.95	6.32	-	-	-

Sample Point ID:	EX63BEDP6A	EX63BEDP6G	EX63BEDP6K
ASC Sample Number:	JN6476	JN6477	JN6478
Sample Date:	941221	941221	941221
Facility Code:	016208C	016208C	016208C

Parameters	Units
------------	-------

Total Pesticide and PCB Analysis, GC, (GS05)

Aldrin	mg/kg	<.018	<.018	<.019
Alpha-BHC	mg/kg	<.018	<.018	<.019
Beta-BHC	mg/kg	<.018	<.018	<.019
Chlordane	mg/kg	<.184	<.182	<.186
4,4'-DDD	mg/kg	<.018	<.018	<.019
4,4'-DDE	mg/kg	<.018	<.018	<.019
4,4'-DDT	mg/kg	<.018	<.018	<.019
Delta-BHC	mg/kg	<.018	<.018	<.019
Dieldrin	mg/kg	<.018	<.018	<.019
Endosulfan sulfate	mg/kg	<.018	<.018	<.019
Endosulfan I	mg/kg	<.018	<.018	<.019
Endosulfan II	mg/kg	<.018	<.018	<.019
Endrin	mg/kg	<.018	<.018	<.019
Endrin aldehyde	mg/kg	<.018	<.018	<.019
Endrin ketone	mg/kg	<.018	<.018	<.019
Gamma-BHC	mg/kg	<.018	<.018	<.019
Heptachlor	mg/kg	<.018	<.018	<.019
Heptachlor epoxide	mg/kg	<.018	<.018	<.019
Methoxychlor	mg/kg	<.018	<.018	<.019
Toxaphene	mg/kg	<.368	<.364	<.372

DATA SUMMARY REPORT

DATE: 01/13/95

PAGE: 2

Company: OHM REMEDIATION SERVICES CORPORATION

Sample Point ID:	EX63BEDP6A	EX63BEDP6G	EX63BEDP6K
ASC Sample Number:	JN6476	JN6477	JN6478
Sample Date:	941221	941221	941221
Facility Code:	016208C	016208C	016208C

Parameters	Units
------------	-------

Total Pesticide and PCB Analysis, GC, (GS05)

Aroclor 1016	mg/kg	<.184	<.182	<.186
Aroclor 1221	mg/kg	<.184	<.182	<.186
Aroclor 1232	mg/kg	<.184	<.182	<.186
Aroclor 1242	mg/kg	<.184	<.182	<.186
Aroclor 1248	mg/kg	<.184	<.182	<.186
Aroclor 1254	mg/kg	<.184	<.182	<.186
Aroclor 1260	mg/kg	<.184	<.182	<.186

Priority Pollutant PNA Analysis, GC, (GS16)

Acenaphthene	mg/kg	.730	<.180	.544
Acenaphthylene	mg/kg	5.50	4.28	6.35
Anthracene	mg/kg	4.86	3.62	5.03
Benzo(a)anthracene	mg/kg	1.41	<.180	.226
Benzo(b)fluoranthene	mg/kg	<.184	<.180	<.184
Benzo(k)fluoranthene	mg/kg	<.184	<.180	<.184
Benzo(ghi)perylene	mg/kg	<.184	<.180	<.184
Benzo(a)pyrene	mg/kg	<.184	<.180	<.184
Chrysene	mg/kg	1.41	<.180	.318
Dibenzo(a,h)anthracene	mg/kg	<.184	<.180	<.184
Fluoranthene	mg/kg	.739	.198	.303
Fluorene	mg/kg	.461	.272	.276
Naphthalene	mg/kg	1.38	1.06	.757
Phenanthrene	mg/kg	1.93	.950	1.70
Pyrene	mg/kg	.274	<.180	.259

RCRA TCLP Leachate Herbicide Analysis, GC, (GS52)

2,4-D	mg/L	<.250	<.250	<.250
2,4,5-TP (Silvex)	mg/L	<.250	<.250	<.250

DATA SUMMARY REPORT

DATE: 01/13/95

PAGE: 3

Company: OHM REMEDIATION SERVICES CORPORATION

Sample Point ID:	EX63BEDP6A	EX63BEDP6G	EX63BEDP6K
ASC Sample Number:	JN6476	JN6477	JN6478
Sample Date:	941221	941221	941221
Facility Code:	016208C	016208C	016208C

Parameters	Units
------------	-------

CRA TCLP Leachate Pesticide Analysis, GC, (GS54)

Chlordane	mg/L	<.020	<.020	<.020
Endrin	mg/L	<.002	<.002	<.002
Heptachlor	mg/L	<.002	<.002	<.002
Heptachlor epoxide	mg/L	<.002	<.002	<.002
Lindane	mg/L	<.002	<.002	<.002
Methoxychlor	mg/L	<.002	<.002	<.002
Toxaphene	mg/L	<.040	<.040	<.040

Total Petroleum Hydrocarbon Analysis, IR (IR00)

Petroleum Hydrocarbons (IR)	mg/kg	807	567	1000
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RCRA Total Metals Analysis, (ME50)

Arsenic	mg/kg	13.5	13.8	14.2
Barium	mg/kg	19.2	15.3	19.4
Cadmium	mg/kg	<1.03	<1.04	<1.00
Chromium	mg/kg	10.9	10.6	10.5
Lead	mg/kg	5.49	5.42	5.30
Mercury	mg/kg	<.050	<.050	<.050
Selenium	mg/kg	<5.13	<5.21	<5.00
Silver	mg/kg	<1.03	<1.04	<1.00

RCRA TCLP Leachate Metals Analysis, (ME52)

Arsenic	mg/L	<.100	<.100	<.100
Barium	mg/L	.490	.468	.449
Cadmium	mg/L	<.005	<.005	<.005
Chromium	mg/L	<.020	<.020	<.020
Lead	mg/L	<.100	<.100	<.100
Mercury	mg/L	<.001	<.001	<.001
Selenium	mg/L	<.100	<.100	<.100
Silver	mg/L	<.020	<.020	<.020
Copper	mg/L	.036	.045	.033
Zinc	mg/L	<.200	<.200	<.200

DATA SUMMARY REPORT

DATE: 01/13/95

PAGE: 4

Company: OHM REMEDIATION SERVICES CORPORATION

Sample Point ID:	EX63BEDP6A	EX63BEDP6G	EX63BEDP6K
ASC Sample Number:	JN6476	JN6477	JN6478
Sample Date:	941221	941221	941221
Facility Code:	016208C	016208C	016208C

Parameters	Units
------------	-------

CRA TCLP Leachate Base/Neutral/Acid Analysis, MS, (MS52)

2,4-Dinitrotoluene	mg/L	<.100	<.100	<.100
Hexachlorobenzene	mg/L	<.100	<.100	<.100
Hexachloroethane	mg/L	<.100	<.100	<.100
Hexachlorobutadiene	mg/L	<.100	<.100	<.100
2-Methylphenol	mg/L	<.100	<.100	<.100
4-Methylphenol	mg/L	<.100	<.100	<.100
Nitrobenzene	mg/L	<.100	<.100	<.100
Pentachlorophenol	mg/L	<.100	<.100	<.100
Pyridine	mg/L	<.100	<.100	<.100
2,4,5-Trichlorophenol	mg/L	<.100	<.100	<.100
2,4,6-Trichlorophenol	mg/L	<.100	<.100	<.100

Sample Point ID:	EX63BED6AG	EX63BED6GG	EX63BED6KG
ASC Sample Number:	JN6488	JN6489	JN6490
Sample Date:	941221	941221	941221
Facility Code:	016208C	016208C	016208C

Parameters	Units
------------	-------

Total Volatile Analysis, MS, (MV00)

Acetone	mg/kg	.021	.024	.025
Acrolein	mg/kg	<.028	<.027	<.027
Acrylonitrile	mg/kg	<.014	<.013	<.013
Benzene	mg/kg	<.006	<.005	<.005
Bromoform	mg/kg	<.006	<.005	<.005
Carbon disulfide	mg/kg	<.006	<.005	<.005
Carbon tetrachloride	mg/kg	<.006	<.005	<.005
Chlorobenzene	mg/kg	<.006	<.005	<.005
Chlorodibromomethane	mg/kg	<.006	<.005	<.005
Chloroethane	mg/kg	<.006	<.005	<.005
Chloroform	mg/kg	<.006	<.005	<.005
2-Chloroethylvinyl ether	mg/kg	<.006	<.005	<.005
Dichlorobromomethane	mg/kg	<.006	<.005	<.005
1,1-Dichloroethane	mg/kg	<.006	<.005	<.005

DATA SUMMARY REPORT

DATE: 01/13/95

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Company: OHM REMEDIATION SERVICES CORPORATION

Sample Point ID:	EX63BED6AG	EX63BED6GG	EX63BED6KG
ASC Sample Number:	JN6488	JN6489	JN6490
Sample Date:	941221	941221	941221
Facility Code:	016208C	016208C	016208C

Parameters	Units
------------	-------

Total Volatile Analysis, MS, (MV00)

1,2-Dichloroethane	mg/kg	<.006	<.005	<.005
1,1-Dichloroethylene	mg/kg	<.006	<.005	<.005
1,2-Dichloropropane	mg/kg	<.006	<.005	<.005
cis-1,3-Dichloropropylene	mg/kg	<.006	<.005	<.005
trans-1,3-Dichloropropylene	mg/kg	<.006	<.005	<.005
Ethylbenzene	mg/kg	.01	<.005	<.005
2-Hexanone	mg/kg	<.006	<.005	<.005
Methyl bromide	mg/kg	<.006	<.005	<.005
Methyl chloride	mg/kg	<.006	<.005	<.005
Methylene chloride	mg/kg	<.006	<.005	<.005
Methyl ethyl ketone	mg/kg	<.006	<.005	<.005
Methyl-iso-butyl ketone	mg/kg	<.011	<.011	<.011
Styrene	mg/kg	<.006	<.005	<.005
1,1,2,2-Tetrachloroethane	mg/kg	<.006	<.005	<.005
Tetrachloroethylene	mg/kg	<.006	<.005	<.005
Toluene	mg/kg	<.006	<.005	<.005
1,1,1-Trichloroethane	mg/kg	<.006	<.005	<.005
1,1,2-Trichloroethane	mg/kg	<.006	<.005	<.005
Trichloroethylene	mg/kg	<.006	<.005	<.005
1,2-Trans-dichloroethylene	mg/kg	<.006	<.005	<.005
Vinyl chloride	mg/kg	<.006	<.005	<.005
Xylenes	mg/kg	.028	<.005	<.005

DATA SUMMARY REPORT

DATE: 01/13/95

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Company: OHM REMEDIATION SERVICES CORPORATION

Sample Point ID:	EX63BEDP6A	EX63BEDP6G	EX63BEDP6K
ASC Sample Number:	JN6476	JN6477	JN6478
Sample Date:	941221	941221	941221
Facility Code:	016208C	016208C	016208C

Parameters

Units

CRA TCLP Leachate (ZHE) Volatile Analysis, MS, (MV50)

Benzene	mg/L	<.125	<.125	<.125
Carbon tetrachloride	mg/L	<.125	<.125	<.125
Chlorobenzene	mg/L	<.125	<.125	<.125
Chloroform	mg/L	<.125	<.125	<.125
1,4-Dichlorobenzene	mg/L	<.125	<.125	<.125
1,2-Dichloroethane	mg/L	<.125	<.125	<.125
1,1-Dichloroethylene	mg/L	<.125	<.125	<.125
Methyl ethyl ketone	mg/L	<.125	<.125	<.125
Tetrachloroethylene	mg/L	<.125	<.125	<.125
Trichloroethylene	mg/L	<.125	<.125	<.125
Vinyl chloride	mg/L	<.125	<.125	<.125

DATA SUMMARY REPORT

DATE: 01/13/95

PAGE: 1

Company: OHM REMEDIATION SERVICES CORPORATION

Sample Point ID:	EX63BEDP6B	EX63BEDP6C	EX63BEDP6D	EX63BEDP6E
ASC Sample Number:	JN6479	JN6480	JN6481	JN6482
Sample Date:	941221	941221	941221	941221
Facility Code:	016208C	016208C	016208C	016208C

Parameters	Units
------------	-------

Conventional Data (CV10)

Flash Point, Seta Flash	Deg C	>93	>93	>93	>93
Reactive Cyanide	mg/kg	<10.0	<10.0	<10.0	<10.0
Reactive Sulfide	mg/kg	<20.0	<20.0	<20.0	<20.0
Solids, Total	%	89.9	92.2	92.3	91.1
pH (Electrode)	std	6.59	6.26	5.99	5.98

RCRA TCLP Leachate Herbicide Analysis, GC, (GS52)

2,4-D	mg/L	<.250	<.250	<.250	<.250
2,4,5-TP (Silvex)	mg/L	<.250	<.250	<.250	<.250

RCRA TCLP Leachate Pesticide Analysis, GC, (GS54)

Chlordane	mg/L	<.020	<.020	<.020	<.020
Endrin	mg/L	<.002	<.002	<.002	<.002
Heptachlor	mg/L	<.002	<.002	<.002	<.002
Heptachlor epoxide	mg/L	<.002	<.002	<.002	<.002
Lindane	mg/L	<.002	<.002	<.002	<.002
Methoxychlor	mg/L	<.002	<.002	<.002	<.002
Toxaphene	mg/L	<.040	<.040	<.040	<.040

Total Petroleum Hydrocarbon Analysis, IR (IR00)

Petroleum Hydrocarbons (IR)	mg/kg	535	301	335	698
-----------------------------	-------	-----	-----	-----	-----

RCRA TCLP Leachate Metals Analysis, (ME52)

Arsenic	mg/L	<.100	<.100	<.100	<.100
Barium	mg/L	.427	.572	.468	.443
Cadmium	mg/L	<.005	<.005	<.005	<.005
Chromium	mg/L	<.020	<.020	<.020	<.020
Lead	mg/L	<.100	<.100	<.100	<.100
Mercury	mg/L	<.001	<.001	<.001	<.001
Selenium	mg/L	<.100	<.100	<.100	<.100
Silver	mg/L	<.020	<.020	<.020	<.020
Copper	mg/L	.026	.101	.161	.090
Zinc	mg/L	<.200	<.200	<.200	<.200

DATA SUMMARY REPORT

DATE: 01/13/95

PAGE: 2

Company: OHM REMEDIATION SERVICES CORPORATION

Sample Point ID:	EX63BEDP6B	EX63BEDP6C	EX63BEDP6D	EX63BEDP6E
ASC Sample Number:	JN6479	JN6480	JN6481	JN6482
Sample Date:	941221	941221	941221	941221
Facility Code:	016208C	016208C	016208C	016208C

Parameters	Units
------------	-------

RCRA TCLP Leachate Base/Neutral/Acid Analysis, MS, (MS52)

2,4-Dinitrotoluene	mg/L	<.100	<.100	<.100	<.100
Hexachlorobenzene	mg/L	<.100	<.100	<.100	<.100
Hexachloroethane	mg/L	<.100	<.100	<.100	<.100
Hexachlorobutadiene	mg/L	<.100	<.100	<.100	<.100
2-Methylphenol	mg/L	<.100	<.100	<.100	<.100
4-Methylphenol	mg/L	<.100	<.100	<.100	<.100
Nitrobenzene	mg/L	<.100	<.100	<.100	<.100
Pentachlorophenol	mg/L	<.100	<.100	<.100	<.100
Pyridine	mg/L	<.100	<.100	<.100	<.100
2,4,5-Trichlorophenol	mg/L	<.100	<.100	<.100	<.100
2,4,6-Trichlorophenol	mg/L	<.100	<.100	<.100	<.100

RCRA TCLP Leachate (ZHE) Volatile Analysis, MS, (MV50)

Benzene	mg/L	<.125	<.125	<.125	<.125
Carbon tetrachloride	mg/L	<.125	<.125	<.125	<.125
Chlorobenzene	mg/L	<.125	<.125	<.125	<.125
Chloroform	mg/L	<.125	<.125	<.125	<.125
1,4-Dichlorobenzene	mg/L	<.125	<.125	<.125	<.125
1,2-Dichloroethane	mg/L	<.125	<.125	<.125	<.125
1,1-Dichloroethylene	mg/L	<.125	<.125	<.125	<.125
Methyl ethyl ketone	mg/L	<.125	<.125	<.125	<.125
Tetrachloroethylene	mg/L	<.125	<.125	<.125	<.125
Trichloroethylene	mg/L	<.125	<.125	<.125	<.125
Vinyl chloride	mg/L	<.125	<.125	<.125	<.125

DATA SUMMARY REPORT

DATE: 01/13/95

PAGE: 1

Company: OHM REMEDIATION SERVICES CORPORATION

Sample Point ID:	EX63BEDP6F	EX63BEDP6H	EX63BEDP6I	EX63BEDP6J	EX63BEDP6L
ASC Sample Number:	JN6483	JN6484	JN6485	JN6486	JN6487
Sample Date:	941221	941221	941221	941221	941221
Facility Code:	016208C	016208C	016208C	016208C	016208C

Parameters	Units
------------	-------

Conventional Data (CV10)

Flash Point, Seta Flash	Deg C	>93	>93	>93	>93	>93
Reactive Cyanide	mg/kg	<10.0	<10.0	<10.0	<10.0	<10.0
Reactive Sulfide	mg/kg	<20.0	<20.0	<20.0	<20.0	<20.0
Solids, Total	%	89.9	89.4	91.3	90.1	89.8
pH (Electrode)	std	6.10	5.90	5.86	6.42	6.14

RCRA TCLP Leachate Herbicide Analysis, GC, (GS52)

2,4-D	mg/L	<.250	<.250	<.250	<.250	<.250
2,4,5-TP (Silvex)	mg/L	<.250	<.250	<.250	<.250	<.250

RCRA TCLP Leachate Pesticide Analysis, GC, (GS54)

Chlordane	mg/L	<.020	<.020	<.020	<.020	<.020
Endrin	mg/L	<.002	<.002	<.002	<.002	<.002
Heptachlor	mg/L	<.002	<.002	<.002	<.002	<.002
Heptachlor epoxide	mg/L	<.002	<.002	<.002	<.002	<.002
Lindane	mg/L	<.002	<.002	<.002	<.002	<.002
Methoxychlor	mg/L	<.002	<.002	<.002	<.002	<.002
Toxaphene	mg/L	<.040	<.040	<.040	<.040	<.040

Total Petroleum Hydrocarbon Analysis, IR (IR00)

Petroleum Hydrocarbons (IR)	mg/kg	401	949	665	943	729
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RCRA TCLP Leachate Metals Analysis, (ME52)

Arsenic	mg/L	<.100	<.100	<.100	<.100	<.100
Barium	mg/L	.477	.581	.499	.554	.573
Cadmium	mg/L	<.005	<.005	.097	<.005	.098
Chromium	mg/L	<.020	<.020	.020	<.020	<.020
Lead	mg/L	<.100	<.100	<.100	<.100	<.100
Mercury	mg/L	<.001	<.001	<.001	<.001	<.001
Selenium	mg/L	<.100	<.100	<.100	<.100	<.100
Silver	mg/L	<.020	<.020	<.020	<.020	<.020
Copper	mg/L	.031	<.020	.112	.024	.044
Zinc	mg/L	<.200	<.200	.212	<.200	.253

DATA SUMMARY REPORT

DATE: 01/13/95

PAGE: 2

Company: OHM REMEDIATION SERVICES CORPORATION

Sample Point ID:	EX63BEDP6F	EX63BEDP6H	EX63BEDP6I	EX63BEDP6J	EX63BEDP6L
ASC Sample Number:	JN6483	JN6484	JN6485	JN6486	JN6487
Sample Date:	941221	941221	941221	941221	941221
Facility Code:	016208C	016208C	016208C	016208C	016208C

Parameters	Units
------------	-------

RCRA TCLP Leachate Base/Neutral/Acid Analysis, MS, (MS52)

2,4-Dinitrotoluene	mg/L	<.100	<.100	<.100	<.100	<.100
Hexachlorobenzene	mg/L	<.100	<.100	<.100	<.100	<.100
Hexachloroethane	mg/L	<.100	<.100	<.100	<.100	<.100
Hexachlorobutadiene	mg/L	<.100	<.100	<.100	<.100	<.100
2-Methylphenol	mg/L	<.100	<.100	<.100	<.100	<.100
4-Methylphenol	mg/L	<.100	<.100	<.100	<.100	<.100
Nitrobenzene	mg/L	<.100	<.100	<.100	<.100	<.100
Pentachlorophenol	mg/L	<.100	<.100	<.100	<.100	<.100
Pyridine	mg/L	<.100	<.100	<.100	<.100	<.100
2,4,5-Trichlorophenol	mg/L	<.100	<.100	<.100	<.100	<.100
2,4,6-Trichlorophenol	mg/L	<.100	<.100	<.100	<.100	<.100

RCRA TCLP Leachate (ZHE) Volatile Analysis, MS, (MV50)

Benzene	mg/L	<.125	<.125	<.125	<.125	<.125
Carbon tetrachloride	mg/L	<.125	<.125	<.125	<.125	<.125
Chlorobenzene	mg/L	<.125	<.125	<.125	<.125	<.125
Chloroform	mg/L	<.125	<.125	<.125	<.125	<.125
1,4-Dichlorobenzene	mg/L	<.125	<.125	<.125	<.125	<.125
1,2-Dichloroethane	mg/L	<.125	<.125	<.125	<.125	<.125
1,1-Dichloroethylene	mg/L	<.125	<.125	<.125	<.125	<.125
Methyl ethyl ketone	mg/L	<.125	<.125	<.125	<.125	<.125
Tetrachloroethylene	mg/L	<.125	<.125	<.125	<.125	<.125
Trichloroethylene	mg/L	<.125	<.125	<.125	<.125	<.125
Vinyl chloride	mg/L	<.125	<.125	<.125	<.125	<.125

APPENDIX B
QUANTITATIVE RESULTS

CONVENTIONAL DATA (CV10)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6A

JN6476

Compounds		Sample Results	Detection Limits	Blank Results	Batch Number
Reactive Cyanide	mg/kg	ND	10.0	ND	Q2I4084
Reactive Sulfide	mg/kg	ND	20.0	ND	Q2I4083
Solids, Total	%	90.5	.100	-	
pH (Electrode)	std	6.43	-	-	
Flash Point, Seta Flash	Deg C	>93	-	-	

CONVENTIONAL DATA (CV10)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6G

JN6477

Compounds		Sample Results	Detection Limits	Blank Results	Batch Number
Reactive Cyanide	mg/kg	ND	10.0	ND	Q2I4084
Reactive Sulfide	mg/kg	ND	20.0	ND	Q2I4083
Solids, Total	%	91.6	.100	-	
pH (Electrode)	std	5.95	-	-	
Flash Point, Seta Flash	Deg C	>93	-	-	

CONVENTIONAL DATA (CV10)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6K

JN6478

Compounds		Sample Results	Detection Limits	Blank Results	Batch Number
Reactive Cyanide	mg/kg	ND	10.0	ND	Q2I4084
Reactive Sulfide	mg/kg	ND	20.0	ND	Q2I4083
Solids, Total	%	89.8	.100	-	
pH (Electrode)	std	6.32	-	-	
Flash Point, Seta Flash	Deg C	>93	-	-	

CONVENTIONAL DATA (CV10)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BED6AG

JN6488

Compounds	Sample Results %	Detection Limits %	Blank Results %	Batch Number
Solids, Total	85.9	.100	-	

CONVENTIONAL DATA (CV10)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BED6GG

JN6489

Compounds	Sample Results %	Detection Limits %	Blank Results %	Batch Number
Solids, Total	89.8	.100	-	

CONVENTIONAL DATA (CV10)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BED6KG

JN6490

Compounds	Sample Results %	Detection Limits %	Blank Results %	Batch Number
Solids, Total	90.2	.100	-	

CONVENTIONAL DATA (CV10)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6B

JN6479

Compounds		Sample Results	Detection Limits	Blank Results	Batch Number
Reactive Cyanide	mg/kg	ND	10.0	ND	Q2I4084
Reactive Sulfide	mg/kg	ND	20.0	ND	Q2I4083
Solids, Total	%	89.9	.100	-	
pH (Electrode)	std	6.59	-	-	
Flash Point, Seta Flash	Deg C	>93	-	-	

CONVENTIONAL DATA (CV10)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6C

JN6480

Compounds		Sample Results	Detection Limits	Blank Results	Batch Number
Reactive Cyanide	mg/kg	ND	10.0	ND	Q2I4084
Reactive Sulfide	mg/kg	ND	20.0	ND	Q2I4083
Solids, Total	%	92.2	.100	-	
pH (Electrode)	std	6.26	-	-	
Flash Point, Seta Flash	Deg C	>93	-	-	

CONVENTIONAL DATA (CV10)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6D

JN6481

Compounds		Sample Results	Detection Limits	Blank Results	Batch Number
Reactive Cyanide	mg/kg	ND	10.0	ND	Q2I4084
Reactive Sulfide	mg/kg	ND	20.0	ND	Q2I4083
Solids, Total	%	92.3	.100	-	
pH (Electrode)	std	5.99	-	-	
Flash Point, Seta Flash	Deg C	>93	-	-	

CONVENTIONAL DATA (CV10)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6E

JN6482

Compounds		Sample Results	Detection Limits	Blank Results	Batch Number
Reactive Cyanide	mg/kg	ND	10.0	ND	Q2I4084
Reactive Sulfide	mg/kg	ND	20.0	ND	Q2I4083
Solids, Total	%	91.1	.100	-	
pH (Electrode)	std	5.98	-	-	
Flash Point, Seta Flash	Deg C	>93	-	-	

CONVENTIONAL DATA (CV10)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6F

JN6483

Compounds		Sample Results	Detection Limits	Blank Results	Batch Number
Reactive Cyanide	mg/kg	ND	10.0	ND	Q2I4084
Reactive Sulfide	mg/kg	ND	20.0	ND	Q2I4083
Solids, Total	%	89.9	.100	-	
pH (Electrode)	std	6.10	-	-	
Flash Point, Seta Flash	Deg C	>93	-	-	

CONVENTIONAL DATA (CV10)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6H

JN6484

Compounds		Sample Results	Detection Limits	Blank Results	Batch Number
Reactive Cyanide	mg/kg	ND	10.0	ND	Q2I4084
Reactive Sulfide	mg/kg	ND	20.0	ND	Q2I4083
Solids, Total	%	89.4	.100	-	
pH (Electrode)	std	5.90	-	-	
Flash Point, Seta Flash	Deg C	>93	-	-	

CONVENTIONAL DATA (CV10)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6I

JN6485

Compounds		Sample Results	Detection Limits	Blank Results	Batch Number
Reactive Cyanide	mg/kg	ND	10.0	ND	Q2I4084
Reactive Sulfide	mg/kg	ND	20.0	ND	Q2I4083
Solids, Total	%	91.3	.100	-	
pH (Electrode)	std	5.86	-	-	
Flash Point, Seta Flash	Deg C	>93	-	-	

CONVENTIONAL DATA (CV10)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6J

JN6486

Compounds		Sample Results	Detection Limits	Blank Results	Batch Number
Reactive Cyanide	mg/kg	ND	10.0	ND	Q2I4086
Reactive Sulfide	mg/kg	ND	20.0	ND	Q2I4087
Solids, Total	%	90.1	.100	-	
pH (Electrode)	std	6.42	-	-	
Flash Point, Seta Flash	Deg C	>93	-	-	

CONVENTIONAL DATA (CV10)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6L

JN6487

Compounds		Sample Results	Detection Limits	Blank Results	Batch Number
Reactive Cyanide	mg/kg	ND	10.0	ND	Q2I4086
Reactive Sulfide	mg/kg	ND	20.0	ND	Q2I4087
Solids, Total	%	89.8	.100	-	
pH (Electrode)	std	6.14	-	-	
Flash Point, Seta Flash	Deg C	>93	-	-	

RCRA TOTAL METALS ANALYSIS, (ME50)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6A

JN6476

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Arsenic	13.5	5.13	ND	Q2M5827R
Barium	19.2	1.03	ND	Q2M5827R
Cadmium	ND	1.03	ND	Q2M5827R
Chromium	10.9	1.03	ND	Q2M5827R
Lead	5.49	2.05	ND	Q2M5827R
Mercury	ND	.050	ND	Q2G5820
Selenium	ND	5.13	ND	Q2M5827R
Silver	ND	1.03	ND	Q2M5827R

RCRA TOTAL METALS ANALYSIS, (ME50)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6G

JN6477

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Arsenic	13.8	5.21	ND	Q2M5827R
Barium	15.3	1.04	ND	Q2M5827R
Cadmium	ND	1.04	ND	Q2M5827R
Chromium	10.6	1.04	ND	Q2M5827R
Lead	5.42	2.08	ND	Q2M5827R
Mercury	ND	.050	ND	Q2G5820
Selenium	ND	5.21	ND	Q2M5827R
Silver	ND	1.04	ND	Q2M5827R

RCRA TOTAL METALS ANALYSIS, (ME50)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6K

JN6478

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Arsenic	14.2	5.00	ND	Q2M5827R
Barium	19.4	1.00	ND	Q2M5827R
Cadmium	ND	1.00	ND	Q2M5827R
Chromium	10.5	1.00	ND	Q2M5827R
Lead	5.30	2.00	ND	Q2M5827R
Mercury	ND	.050	ND	Q2G5820
Selenium	ND	5.00	ND	Q2M5827R
Silver	ND	1.00	ND	Q2M5827R

TOTAL PESTICIDE AND PCB ANALYSIS, GC, (GS05)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORPORATION	016208C	EX63BEDP6A	JN6476

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Aldrin	ND	.018	ND	Q2P41910
Alpha-BHC	ND	.018	ND	Q2P41910
Beta-BHC	ND	.018	ND	Q2P41910
Chlordane	ND	.184	ND	Q2P41910
4,4'-DDD	ND	.018	ND	Q2P41910
4,4'-DDE	ND	.018	ND	Q2P41910
4,4'-DDT	ND	.018	ND	Q2P41910
Delta-BHC	ND	.018	ND	Q2P41910
Dieldrin	ND	.018	ND	Q2P41910
Endosulfan sulfate	ND	.018	ND	Q2P41910
Endosulfan I	ND	.018	ND	Q2P41910
Endosulfan II	ND	.018	ND	Q2P41910
Endrin	ND	.018	ND	Q2P41910
Endrin aldehyde	ND	.018	ND	Q2P41910
Endrin ketone	ND	.018	ND	Q2P41910
Gamma-BHC	ND	.018	ND	Q2P41910
Heptachlor	ND	.018	ND	Q2P41910
Heptachlor epoxide	ND	.018	ND	Q2P41910
Methoxychlor	ND	.018	ND	Q2P41910
Toxaphene	ND	.368	ND	Q2P41910
Aroclor 1016	ND	.184	ND	Q2P41910
Aroclor 1221	ND	.184	ND	Q2P41910
Aroclor 1232	ND	.184	ND	Q2P41910
Aroclor 1242	ND	.184	ND	Q2P41910
Aroclor 1248	ND	.184	ND	Q2P41910
Aroclor 1254	ND	.184	ND	Q2P41910
Aroclor 1260	ND	.184	ND	Q2P41910

TOTAL PESTICIDE AND PCB ANALYSIS, GC, (GS05)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORPORATION	016208C	EX63BEDP6G	JN6477

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Aldrin	ND	.018	ND	Q2P41910
Alpha-BHC	ND	.018	ND	Q2P41910
Beta-BHC	ND	.018	ND	Q2P41910
Chlordane	ND	.182	ND	Q2P41910
4,4'-DDD	ND	.018	ND	Q2P41910
4,4'-DDE	ND	.018	ND	Q2P41910
4,4'-DDT	ND	.018	ND	Q2P41910
Delta-BHC	ND	.018	ND	Q2P41910
Dieldrin	ND	.018	ND	Q2P41910
Endosulfan sulfate	ND	.018	ND	Q2P41910
Endosulfan I	ND	.018	ND	Q2P41910
Endosulfan II	ND	.018	ND	Q2P41910
Endrin	ND	.018	ND	Q2P41910
Endrin aldehyde	ND	.018	ND	Q2P41910
Endrin ketone	ND	.018	ND	Q2P41910
Gamma-BHC	ND	.018	ND	Q2P41910
Heptachlor	ND	.018	ND	Q2P41910
Heptachlor epoxide	ND	.018	ND	Q2P41910
Methoxychlor	ND	.018	ND	Q2P41910
Toxaphene	ND	.364	ND	Q2P41910
Aroclor 1016	ND	.182	ND	Q2P41910
Aroclor 1221	ND	.182	ND	Q2P41910
Aroclor 1232	ND	.182	ND	Q2P41910
Aroclor 1242	ND	.182	ND	Q2P41910
Aroclor 1248	ND	.182	ND	Q2P41910
Aroclor 1254	ND	.182	ND	Q2P41910
Aroclor 1260	ND	.182	ND	Q2P41910

TOTAL PESTICIDE AND PCB ANALYSIS, GC, (GS05)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6K

JN6478

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Aldrin	ND	.019	ND	Q2P41910
Alpha-BHC	ND	.019	ND	Q2P41910
Beta-BHC	ND	.019	ND	Q2P41910
Chlordane	ND	.186	ND	Q2P41910
4,4'-DDD	ND	.019	ND	Q2P41910
4,4'-DDE	ND	.019	ND	Q2P41910
4,4'-DDT	ND	.019	ND	Q2P41910
Delta-BHC	ND	.019	ND	Q2P41910
Dieldrin	ND	.019	ND	Q2P41910
Endosulfan sulfate	ND	.019	ND	Q2P41910
Endosulfan I	ND	.019	ND	Q2P41910
Endosulfan II	ND	.019	ND	Q2P41910
Endrin	ND	.019	ND	Q2P41910
Endrin aldehyde	ND	.019	ND	Q2P41910
Endrin ketone	ND	.019	ND	Q2P41910
Gamma-BHC	ND	.019	ND	Q2P41910
Heptachlor	ND	.019	ND	Q2P41910
Heptachlor epoxide	ND	.019	ND	Q2P41910
Methoxychlor	ND	.019	ND	Q2P41910
Toxaphene	ND	.372	ND	Q2P41910
Aroclor 1016	ND	.186	ND	Q2P41910
Aroclor 1221	ND	.186	ND	Q2P41910
Aroclor 1232	ND	.186	ND	Q2P41910
Aroclor 1242	ND	.186	ND	Q2P41910
Aroclor 1248	ND	.186	ND	Q2P41910
Aroclor 1254	ND	.186	ND	Q2P41910
Aroclor 1260	ND	.186	ND	Q2P41910

PRIORITY POLLUTANT PNA ANALYSIS, GC, (GS16)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6A

JN6476

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Acenaphthene	.730	.184	ND	Q2F41909
Acenaphthylene	5.50	.184	ND	Q2F41909
Anthracene	4.86	.184	ND	Q2F41909
Benzo(a)anthracene	1.41	.184	ND	Q2F41909
Benzo(b)fluoranthene	ND	.184	ND	Q2F41909
Benzo(k)fluoranthene	ND	.184	ND	Q2F41909
Benzo(ghi)perylene	ND	.184	ND	Q2F41909
Benzo(a)pyrene	ND	.184	ND	Q2F41909
Chrysene	1.41	.184	ND	Q2F41909
Dibenzo(a,h)anthracene	ND	.184	ND	Q2F41909
Fluoranthene	.739	.184	ND	Q2F41909
Fluorene	.461	.184	ND	Q2F41909
Naphthalene	1.38	.184	ND	Q2F41909
Phenanthrene	1.93	.184	ND	Q2F41909
Pyrene	.274	.184	ND	Q2F41909

PRIORITY POLLUTANT PNA ANALYSIS, GC, (GS16)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORPORATION	016208C	EX63BEDP6G	JN6477

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Acenaphthene	ND	.180	ND	Q2F41909
Acenaphthylene	4.28	.180	ND	Q2F41909
Anthracene	3.62	.180	ND	Q2F41909
Benzo (a) anthracene	ND	.180	ND	Q2F41909
Benzo (b) fluoranthene	ND	.180	ND	Q2F41909
Benzo (k) fluoranthene	ND	.180	ND	Q2F41909
Benzo (ghi) perylene	ND	.180	ND	Q2F41909
Benzo (a) pyrene	ND	.180	ND	Q2F41909
Chrysene	ND	.180	ND	Q2F41909
Dibenzo (a, h) anthracene	ND	.180	ND	Q2F41909
Fluoranthene	.198	.180	ND	Q2F41909
Fluorene	.272	.180	ND	Q2F41909
Naphthalene	1.06	.180	ND	Q2F41909
Phenanthrene	.950	.180	ND	Q2F41909
Pyrene	ND	.180	ND	Q2F41909

PRIORITY POLLUTANT PNA ANALYSIS, GC, (GS16)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORPORATION	016208C	EX63BEDP6K	JN6478

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Acenaphthene	.544	.184	ND	Q2F41909
Acenaphthylene	6.35	.184	ND	Q2F41909
Anthracene	5.03	.184	ND	Q2F41909
Benzo (a) anthracene	.226	.184	ND	Q2F41909
Benzo (b) fluoranthene	ND	.184	ND	Q2F41909
Benzo (k) fluoranthene	ND	.184	ND	Q2F41909
Benzo (ghi) perylene	ND	.184	ND	Q2F41909
Benzo (a) pyrene	ND	.184	ND	Q2F41909
Chrysene	.318	.184	ND	Q2F41909
Dibenzo (a, h) anthracene	ND	.184	ND	Q2F41909
Fluoranthene	.303	.184	ND	Q2F41909
Fluorene	.276	.184	ND	Q2F41909
Naphthalene	.757	.184	ND	Q2F41909
Phenanthrene	1.70	.184	ND	Q2F41909
Pyrene	.259	.184	ND	Q2F41909

TOTAL PETROLEUM HYDROCARBON ANALYSIS, IR (IR00)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6A

JN6476

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Petroleum Hydrocarbons (IR)	807	36.5	ND	Q2T41912

TOTAL PETROLEUM HYDROCARBON ANALYSIS, IR (IR00)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6G

JN6477

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Petroleum Hydrocarbons (IR)	567	35.5	ND	Q2T41912

TOTAL PETROLEUM HYDROCARBON ANALYSIS, IR (IR00)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6K

JN6478

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Petroleum Hydrocarbons (IR)	1000	36.8	ND	Q2T41912

TOTAL PETROLEUM HYDROCARBON ANALYSIS, IR (IR00)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6B

JN6479

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Petroleum Hydrocarbons (IR)	535	36.4	ND	Q2T41912

TOTAL PETROLEUM HYDROCARBON ANALYSIS, IR (IR00)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6C

JN6480

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Petroleum Hydrocarbons (IR)	301	36.1	ND	Q2T41912

TOTAL PETROLEUM HYDROCARBON ANALYSIS, IR (IR00)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6D

JN6481

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Petroleum Hydrocarbons (IR)	335	35.6	ND	Q2T41912

TOTAL PETROLEUM HYDROCARBON ANALYSIS, IR (IR00)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6E

JN6482

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Petroleum Hydrocarbons (IR)	698	35.6	ND	Q2T41912

TOTAL PETROLEUM HYDROCARBON ANALYSIS, IR (IR00)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6F

JN6483

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Petroleum Hydrocarbons (IR)	401	36.8	ND	Q2T41912

TOTAL PETROLEUM HYDROCARBON ANALYSIS, IR (IR00)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6H

JN6484

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Petroleum Hydrocarbons (IR)	949	36.8	ND	Q2T41912

TOTAL PETROLEUM HYDROCARBON ANALYSIS, IR (IR00)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6I

JN6485

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Petroleum Hydrocarbons (IR)	665	36.0	ND	Q2T41912

TOTAL PETROLEUM HYDROCARBON ANALYSIS, IR (IR00)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6J

JN6486

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Petroleum Hydrocarbons (IR)	943	35.8	ND	Q2T41912

TOTAL PETROLEUM HYDROCARBON ANALYSIS, IR (IR00)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6L

JN6487

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Petroleum Hydrocarbons (IR)	729	36.1	ND	Q2T41912

TOTAL VOLATILE ANALYSIS, MS, (MV00)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BED6AG

JN6488

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Acetone	.021	.011	ND	Q2V4130
Acrolein	ND	.028	ND	Q2V4130
Acrylonitrile	ND	.014	ND	Q2V4130
Benzene	ND	.006	ND	Q2V4130
Bromoform	ND	.006	ND	Q2V4130
Carbon disulfide	ND	.006	ND	Q2V4130
Carbon tetrachloride	ND	.006	ND	Q2V4130
Chlorobenzene	ND	.006	ND	Q2V4130
Chlorodibromomethane	ND	.006	ND	Q2V4130
Chloroethane	ND	.006	ND	Q2V4130
Chloroform	ND	.006	ND	Q2V4130
2-Chloroethylvinyl ether	ND	.006	ND	Q2V4130
Dichlorobromomethane	ND	.006	ND	Q2V4130
1,1-Dichloroethane	ND	.006	ND	Q2V4130
1,2-Dichloroethane	ND	.006	ND	Q2V4130
1,1-Dichloroethylene	ND	.006	ND	Q2V4130
1,2-Dichloropropane	ND	.006	ND	Q2V4130
cis-1,3-Dichloropropylene	ND	.006	ND	Q2V4130
trans-1,3-Dichloropropylene	ND	.006	ND	Q2V4130
Ethylbenzene	.01	.006	ND	Q2V4130
2-Hexanone	ND	.006	ND	Q2V4130
Methyl bromide	ND	.006	ND	Q2V4130
Methyl chloride	ND	.006	ND	Q2V4130
Methylene chloride	ND	.006	ND	Q2V4130
Methyl ethyl ketone	ND	.006	ND	Q2V4130
Methyl-iso-butyl ketone	ND	.011	ND	Q2V4130
Styrene	ND	.006	ND	Q2V4130
1,1,2,2-Tetrachloroethane	ND	.006	ND	Q2V4130
Tetrachloroethylene	ND	.006	ND	Q2V4130
Toluene	ND	.006	ND	Q2V4130
1,1,1-Trichloroethane	ND	.006	ND	Q2V4130
1,1,2-Trichloroethane	ND	.006	ND	Q2V4130
Trichloroethylene	ND	.006	ND	Q2V4130
1,2-Trans-dichloroethylene	ND	.006	ND	Q2V4130
Vinyl chloride	ND	.006	ND	Q2V4130
Xylenes	.028	.006	ND	Q2V4130

TOTAL VOLATILE ANALYSIS, MS, (MV00)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORPORATION	016208C	EX63BED6GG	JN6489

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Acetone	.024	.011	ND	Q2V4130
Acrolein	ND	.027	ND	Q2V4130
Acrylonitrile	ND	.013	ND	Q2V4130
Benzene	ND	.005	ND	Q2V4130
Bromoform	ND	.005	ND	Q2V4130
Carbon disulfide	ND	.005	ND	Q2V4130
Carbon tetrachloride	ND	.005	ND	Q2V4130
Chlorobenzene	ND	.005	ND	Q2V4130
Chlorodibromomethane	ND	.005	ND	Q2V4130
Chloroethane	ND	.005	ND	Q2V4130
Chloroform	ND	.005	ND	Q2V4130
2-Chloroethylvinyl ether	ND	.005	ND	Q2V4130
Dichlorobromomethane	ND	.005	ND	Q2V4130
1,1-Dichloroethane	ND	.005	ND	Q2V4130
1,2-Dichloroethane	ND	.005	ND	Q2V4130
1,1-Dichloroethylene	ND	.005	ND	Q2V4130
1,2-Dichloropropane	ND	.005	ND	Q2V4130
cis-1,3-Dichloropropylene	ND	.005	ND	Q2V4130
trans-1,3-Dichloropropylene	ND	.005	ND	Q2V4130
Ethylbenzene	ND	.005	ND	Q2V4130
2-Hexanone	ND	.005	ND	Q2V4130
Methyl bromide	ND	.005	ND	Q2V4130
Methyl chloride	ND	.005	ND	Q2V4130
Methylene chloride	ND	.005	ND	Q2V4130
Methyl ethyl ketone	ND	.005	ND	Q2V4130
Methyl-iso-butyl ketone	ND	.011	ND	Q2V4130
Styrene	ND	.005	ND	Q2V4130
1,1,2,2-Tetrachloroethane	ND	.005	ND	Q2V4130
Tetrachloroethylene	ND	.005	ND	Q2V4130
Toluene	ND	.005	ND	Q2V4130
1,1,1-Trichloroethane	ND	.005	ND	Q2V4130
1,1,2-Trichloroethane	ND	.005	ND	Q2V4130
Trichloroethylene	ND	.005	ND	Q2V4130
1,2-Trans-dichloroethylene	ND	.005	ND	Q2V4130
Vinyl chloride	ND	.005	ND	Q2V4130
Xylenes	ND	.005	ND	Q2V4130

TOTAL VOLATILE ANALYSIS, MS, (MV00)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BED6KG

JN6490

Compounds	Sample Results mg/kg	Detection Limits mg/kg	Blank Results mg/kg	Batch Number
Acetone	.025	.011	ND	Q2V4130
Acrolein	ND	.027	ND	Q2V4130
Acrylonitrile	ND	.013	ND	Q2V4130
Benzene	ND	.005	ND	Q2V4130
Bromoform	ND	.005	ND	Q2V4130
Carbon disulfide	ND	.005	ND	Q2V4130
Carbon tetrachloride	ND	.005	ND	Q2V4130
Chlorobenzene	ND	.005	ND	Q2V4130
Chlorodibromomethane	ND	.005	ND	Q2V4130
Chloroethane	ND	.005	ND	Q2V4130
Chloroform	ND	.005	ND	Q2V4130
2-Chloroethylvinyl ether	ND	.005	ND	Q2V4130
Dichlorobromomethane	ND	.005	ND	Q2V4130
1,1-Dichloroethane	ND	.005	ND	Q2V4130
1,2-Dichloroethane	ND	.005	ND	Q2V4130
1,1-Dichloroethylene	ND	.005	ND	Q2V4130
1,2-Dichloropropane	ND	.005	ND	Q2V4130
cis-1,3-Dichloropropylene	ND	.005	ND	Q2V4130
trans-1,3-Dichloropropylene	ND	.005	ND	Q2V4130
Ethylbenzene	ND	.005	ND	Q2V4130
2-Hexanone	ND	.005	ND	Q2V4130
Methyl bromide	ND	.005	ND	Q2V4130
Methyl chloride	ND	.005	ND	Q2V4130
Methylene chloride	ND	.005	ND	Q2V4130
Methyl ethyl ketone	ND	.005	ND	Q2V4130
Methyl-iso-butyl ketone	ND	.011	ND	Q2V4130
Styrene	ND	.005	ND	Q2V4130
1,1,2,2-Tetrachloroethane	ND	.005	ND	Q2V4130
Tetrachloroethylene	ND	.005	ND	Q2V4130
Toluene	ND	.005	ND	Q2V4130
1,1,1-Trichloroethane	ND	.005	ND	Q2V4130
1,1,2-Trichloroethane	ND	.005	ND	Q2V4130
Trichloroethylene	ND	.005	ND	Q2V4130
1,2-Trans-dichloroethylene	ND	.005	ND	Q2V4130
Vinyl chloride	ND	.005	ND	Q2V4130
Xylenes	ND	.005	ND	Q2V4130

RCRA TCLP LEACHATE HERBICIDE ANALYSIS, GC, (GS52)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6A

JN6476

[illegible]

RCRA TCLP LEACHATE HERBICIDE ANALYSIS, GC, (GS52)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6G

JN6477

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
2,4-D	ND	.250	ND	Q7H41924
2,4,5-TP (Silvex)	ND	.250	ND	Q7H41924

RCRA TCLP LEACHATE HERBICIDE ANALYSIS, GC, (GS52)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6K

JN6478

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
2,4-D	ND	.250	ND	Q7H41924
2,4,5-TP (Silvex)	ND	.250	ND	Q7H41924

RCRA TCLP LEACHATE HERBICIDE ANALYSIS, GC, (GS52)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6A

JN6476

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
2,4-D	ND	.250	ND	Q7H41924A
2,4,5-TP (Silvex)	ND	.250	ND	Q7H41924A

RCRA TCLP LEACHATE HERBICIDE ANALYSIS, GC, (GS52)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6B

JN6479

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
2,4-D	ND	.250	ND	Q7H41924
2,4,5-TP (Silvex)	ND	.250	ND	Q7H41924

RCRA TCLP LEACHATE HERBICIDE ANALYSIS, GC, (GS52)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6C

JN6480

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
2,4-D	ND	.250	ND	Q7H41924
2,4,5-TP (Silvex)	ND	.250	ND	Q7H41924

RCRA TCLP LEACHATE HERBICIDE ANALYSIS, GC, (GS52)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6D

JN6481

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
2,4-D	ND	.250	ND	Q7H41924
2,4,5-TP (Silvex)	ND	.250	ND	Q7H41924

RCRA TCLP LEACHATE HERBICIDE ANALYSIS, GC, (GS52)

Facility

ASC Sample No.

016208C

JN6482

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
2,4-D	ND	.250	ND	Q7H41924
2,4,5-TP (Silvex)	ND	.250	ND	Q7H41924

RCRA TCLP LEACHATE HERBICIDE ANALYSIS, GC, (GS52)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6F

JN6483

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
2,4-D	ND	.250	ND	Q7H41924
2,4,5-TP (Silvex)	ND	.250	ND	Q7H41924

JN6484

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
2,4-D	ND	.250	ND	Q7H41924
2,4,5-TP (Silvex)	ND	.250	ND	Q7H41924

RCRA TCLP LEACHATE HERBICIDE ANALYSIS, GC, (GS52)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6I

JN6485

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
2,4-D	ND	.250	ND	Q7H41924
2,4,5-TP (Silvex)	ND	.250	ND	Q7H41924

RCRA TCLP LEACHATE HERBICIDE ANALYSIS, GC, (GS52)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6J

JN6486

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
2,4-D	ND	.250	ND	Q7H41924
2,4,5-TP (Silvex)	ND	.250	ND	Q7H41924

RCRA TCLP LEACHATE HERBICIDE ANALYSIS, GC, (GS52)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6L

JN6487

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
2,4-D	ND	.250	ND	Q7H41924
2,4,5-TP (Silvex)	ND	.250	ND	Q7H41924

RCRA TCLP LEACHATE PESTICIDE ANALYSIS, GC, (GS54)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6A

JN6476

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Chlordane	ND	.020	ND	Q7P41925
Endrin	ND	.002	ND	Q7P41925
Heptachlor	ND	.002	ND	Q7P41925
Heptachlor epoxide	ND	.002	ND	Q7P41925
Lindane	ND	.002	ND	Q7P41925
Methoxychlor	ND	.002	ND	Q7P41925
Toxaphene	ND	.040	ND	Q7P41925

RCRA TCLP LEACHATE PESTICIDE ANALYSIS, GC, (GS54)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6G

JN6477

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Chlordane	ND	.020	ND	Q7P41925
Endrin	ND	.002	ND	Q7P41925
Heptachlor	ND	.002	ND	Q7P41925
Heptachlor epoxide	ND	.002	ND	Q7P41925
Lindane	ND	.002	ND	Q7P41925
Methoxychlor	ND	.002	ND	Q7P41925
Toxaphene	ND	.040	ND	Q7P41925

RCRA TCLP LEACHATE PESTICIDE ANALYSIS, GC, (GS54)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6K

JN6478

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Chlordane	ND	.020	ND	Q7P41925
Endrin	ND	.002	ND	Q7P41925
Heptachlor	ND	.002	ND	Q7P41925
Heptachlor epoxide	ND	.002	ND	Q7P41925
Lindane	ND	.002	ND	Q7P41925
Methoxychlor	ND	.002	ND	Q7P41925
Toxaphene	ND	.040	ND	Q7P41925

RCRA TCLP LEACHATE PESTICIDE ANALYSIS, GC, (GS54)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6B

JN6479

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Chlordane	ND	.020	ND	Q7P41925
Endrin	ND	.002	ND	Q7P41925
Heptachlor	ND	.002	ND	Q7P41925
Heptachlor epoxide	ND	.002	ND	Q7P41925
Lindane	ND	.002	ND	Q7P41925
Methoxychlor	ND	.002	ND	Q7P41925
Toxaphene	ND	.040	ND	Q7P41925

RCRA TCLP LEACHATE PESTICIDE ANALYSIS, GC, (GS54)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORPORATION	016208C	EX63BEDP6C	JN6480

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Chlordane	ND	.020	ND	Q7P41925
Endrin	ND	.002	ND	Q7P41925
Heptachlor	ND	.002	ND	Q7P41925
Heptachlor epoxide	ND	.002	ND	Q7P41925
Lindane	ND	.002	ND	Q7P41925
Methoxychlor	ND	.002	ND	Q7P41925
Toxaphene	ND	.040	ND	Q7P41925

RCRA TCLP LEACHATE PESTICIDE ANALYSIS, GC, (GS54)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6D

JN6481

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Chlordane	ND	.020	ND	Q7P41925
Endrin	ND	.002	ND	Q7P41925
Heptachlor	ND	.002	ND	Q7P41925
Heptachlor epoxide	ND	.002	ND	Q7P41925
Lindane	ND	.002	ND	Q7P41925
Methoxychlor	ND	.002	ND	Q7P41925
Toxaphene	ND	.040	ND	Q7P41925

RCRA TCLP LEACHATE PESTICIDE ANALYSIS, GC, (GS54)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6E

JN6482

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Chlordane	ND	.020	ND	Q7P41925
Endrin	ND	.002	ND	Q7P41925
Heptachlor	ND	.002	ND	Q7P41925
Heptachlor epoxide	ND	.002	ND	Q7P41925
Lindane	ND	.002	ND	Q7P41925
Methoxychlor	ND	.002	ND	Q7P41925
Toxaphene	ND	.040	ND	Q7P41925

RCRA TCLP LEACHATE PESTICIDE ANALYSIS, GC, (GS54)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6F

JN6483

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Chlordane	ND	.020	ND	Q7P41925
Endrin	ND	.002	ND	Q7P41925
Heptachlor	ND	.002	ND	Q7P41925
Heptachlor epoxide	ND	.002	ND	Q7P41925
Lindane	ND	.002	ND	Q7P41925
Methoxychlor	ND	.002	ND	Q7P41925
Toxaphene	ND	.040	ND	Q7P41925

RCRA TCLP LEACHATE PESTICIDE ANALYSIS, GC, (GS54)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6H

JN6484

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Chlordane	ND	.020	ND	Q7P41925
Endrin	ND	.002	ND	Q7P41925
Heptachlor	ND	.002	ND	Q7P41925
Heptachlor epoxide	ND	.002	ND	Q7P41925
Lindane	ND	.002	ND	Q7P41925
Methoxychlor	ND	.002	ND	Q7P41925
Toxaphene	ND	.040	ND	Q7P41925

RCRA TCLP LEACHATE PESTICIDE ANALYSIS, GC, (GS54)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6I

JN6485

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Chlordane	ND	.020	ND	Q7P41925
Endrin	ND	.002	ND	Q7P41925
Heptachlor	ND	.002	ND	Q7P41925
Heptachlor epoxide	ND	.002	ND	Q7P41925
Lindane	ND	.002	ND	Q7P41925
Methoxychlor	ND	.002	ND	Q7P41925
Toxaphene	ND	.040	ND	Q7P41925

RCRA TCLP LEACHATE PESTICIDE ANALYSIS, GC, (GS54)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6J

JN6486

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Chlordane	ND	.020	ND	Q7P41925
Endrin	ND	.002	ND	Q7P41925
Heptachlor	ND	.002	ND	Q7P41925
Heptachlor epoxide	ND	.002	ND	Q7P41925
Lindane	ND	.002	ND	Q7P41925
Methoxychlor	ND	.002	ND	Q7P41925
Toxaphene	ND	.040	ND	Q7P41925

RCRA TCLP LEACHATE PESTICIDE ANALYSIS, GC, (GS54)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6L

JN6487

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Chlordane	ND	.020	ND	Q7P41925
Endrin	ND	.002	ND	Q7P41925
Heptachlor	ND	.002	ND	Q7P41925
Heptachlor epoxide	ND	.002	ND	Q7P41925
Lindane	ND	.002	ND	Q7P41925
Methoxychlor	ND	.002	ND	Q7P41925
Toxaphene	ND	.040	ND	Q7P41925

RCRA TCLP LEACHATE METALS ANALYSIS, (ME52)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6A

JN6476

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Arsenic	ND	.100	ND	Q7M5811
Barium	.490	.100	ND	Q7M5811
Cadmium	ND	.005	ND	Q7M5811
Chromium	ND	.020	ND	Q7M5811
Lead	ND	.100	ND	Q7M5811
Mercury	ND	.001	ND	Q7G5823
Selenium	ND	.100	ND	Q7M5811
Silver	ND	.020	ND	Q7M5811
Copper	.036	.020	ND	Q7M5811
Zinc	ND	.200	ND	Q7M5811

RCRA TCLP LEACHATE METALS ANALYSIS, (ME52)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6G

JN6477

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Arsenic	ND	.100	ND	Q7M5811
Barium	.468	.100	ND	Q7M5811
Cadmium	ND	.005	ND	Q7M5811
Chromium	ND	.020	ND	Q7M5811
Lead	ND	.100	ND	Q7M5811
Mercury	ND	.001	ND	Q7G5823
Selenium	ND	.100	ND	Q7M5811
Silver	ND	.020	ND	Q7M5811
Copper	.045	.020	ND	Q7M5811
Zinc	ND	.200	ND	Q7M5811

RCRA TCLP LEACHATE METALS ANALYSIS, (ME52)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6K

JN6478

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Arsenic	ND	.100	ND	Q7M5812
Barium	.449	.100	ND	Q7M5812
Cadmium	ND	.005	ND	Q7M5812
Chromium	ND	.020	ND	Q7M5812
Lead	ND	.100	ND	Q7M5812
Mercury	ND	.001	ND	Q7G5823
Selenium	ND	.100	ND	Q7M5812
Silver	ND	.020	ND	Q7M5812
Copper	.033	.020	ND	Q7M5812
Zinc	ND	.200	ND	Q7M5812

RCRA TCLP LEACHATE METALS ANALYSIS, (ME52)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6B

JN6479

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Arsenic	ND	.100	ND	Q7M5812
Barium	.427	.100	ND	Q7M5812
Cadmium	ND	.005	ND	Q7M5812
Chromium	ND	.020	ND	Q7M5812
Lead	ND	.100	ND	Q7M5812
Mercury	ND	.001	ND	Q7G5823
Selenium	ND	.100	ND	Q7M5812
Silver	ND	.020	ND	Q7M5812
Copper	.026	.020	ND	Q7M5812
Zinc	ND	.200	ND	Q7M5812

RCRA TCLP LEACHATE METALS ANALYSIS, (ME52)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORPORATION	016208C	EX63BEDP6C	JN6480

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Arsenic	ND	.100	ND	Q7M5812
Barium	.572	.100	ND	Q7M5812
Cadmium	ND	.005	ND	Q7M5812
Chromium	ND	.020	ND	Q7M5812
Lead	ND	.100	ND	Q7M5812
Mercury	ND	.001	ND	Q7G5823
Selenium	ND	.100	ND	Q7M5812
Silver	ND	.020	ND	Q7M5812
Copper	.101	.020	ND	Q7M5812
Zinc	ND	.200	ND	Q7M5812

RCRA TCLP LEACHATE METALS ANALYSIS, (ME52)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6D

JN6481

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Arsenic	ND	.100	ND	Q7M5812
Barium	.468	.100	ND	Q7M5812
Cadmium	ND	.005	ND	Q7M5812
Chromium	ND	.020	ND	Q7M5812
Lead	ND	.100	ND	Q7M5812
Mercury	ND	.001	ND	Q7G5823
Selenium	ND	.100	ND	Q7M5812
Silver	ND	.020	ND	Q7M5812
Copper	.161	.020	ND	Q7M5812
Zinc	ND	.200	ND	Q7M5812

RCRA TCLP LEACHATE METALS ANALYSIS, (ME52)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6E

JN6482

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Arsenic	ND	.100	ND	Q7M5812
Barium	.443	.100	ND	Q7M5812
Cadmium	ND	.005	ND	Q7M5812
Chromium	ND	.020	ND	Q7M5812
Lead	ND	.100	ND	Q7M5812
Mercury	ND	.001	ND	Q7G5823
Selenium	ND	.100	ND	Q7M5812
Silver	ND	.020	ND	Q7M5812
Copper	.090	.020	ND	Q7M5812
Zinc	ND	.200	ND	Q7M5812

RCRA TCLP LEACHATE METALS ANALYSIS, (ME52)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6F

JN6483

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Arsenic	ND	.100	ND	Q7M5812
Barium	.477	.100	ND	Q7M5812
Cadmium	ND	.005	ND	Q7M5812
Chromium	ND	.020	ND	Q7M5812
Lead	ND	.100	ND	Q7M5812
Mercury	ND	.001	ND	Q7G5823
Selenium	ND	.100	ND	Q7M5812
Silver	ND	.020	ND	Q7M5812
Copper	.031	.020	ND	Q7M5812
Zinc	ND	.200	ND	Q7M5812

RCRA TCLP LEACHATE METALS ANALYSIS, (ME52)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6H

JN6484

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Arsenic	ND	.100	ND	Q7M5812
Barium	.581	.100	ND	Q7M5812
Cadmium	ND	.005	ND	Q7M5812
Chromium	ND	.020	ND	Q7M5812
Lead	ND	.100	ND	Q7M5812
Mercury	ND	.001	ND	Q7G5823
Selenium	ND	.100	ND	Q7M5812
Silver	ND	.020	ND	Q7M5812
Copper	ND	.020	ND	Q7M5812
Zinc	ND	.200	ND	Q7M5812

RCRA TCLP LEACHATE METALS ANALYSIS, (ME52)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORPORATION	016208C	EX63BEDP6I	JN6485

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Arsenic	ND	.100	ND	Q7M5812
Barium	.499	.100	ND	Q7M5812
Cadmium	.097	.005	ND	Q7M5812
Chromium	.020	.020	ND	Q7M5812
Lead	ND	.100	ND	Q7M5812
Mercury	ND	.001	ND	Q7G5823
Selenium	ND	.100	ND	Q7M5812
Silver	ND	.020	ND	Q7M5812
Copper	.112	.020	ND	Q7M5812
Zinc	.212	.200	ND	Q7M5812

RCRA TCLP LEACHATE METALS ANALYSIS, (ME52)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORPORATION	016208C	EX63BEDP6J	JN6486

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Arsenic	ND	.100	ND	Q7M5812
Barium	.554	.100	ND	Q7M5812
Cadmium	ND	.005	ND	Q7M5812
Chromium	ND	.020	ND	Q7M5812
Lead	ND	.100	ND	Q7M5812
Mercury	ND	.001	ND	Q7G5823
Selenium	ND	.100	ND	Q7M5812
Silver	ND	.020	ND	Q7M5812
Copper	.024	.020	ND	Q7M5812
Zinc	ND	.200	ND	Q7M5812

RCRA TCLP LEACHATE METALS ANALYSIS, (ME52)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6L

JN6487

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Arsenic	ND	.100	ND	Q7M5812
Barium	.573	.100	ND	Q7M5812
Cadmium	.098	.005	ND	Q7M5812
Chromium	ND	.020	ND	Q7M5812
Lead	ND	.100	ND	Q7M5812
Mercury	ND	.001	ND	Q7G5823
Selenium	ND	.100	ND	Q7M5812
Silver	ND	.020	ND	Q7M5812
Copper	.044	.020	ND	Q7M5812
Zinc	.253	.200	ND	Q7M5812

RCRA TCLP LEACHATE BASE/NEUTRAL/ACID ANALYSIS, MS, (MS52)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6A

JN6476

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
2,4-Dinitrotoluene	ND	.100	ND	Q7C41923
Hexachlorobenzene	ND	.100	ND	Q7C41923
Hexachloroethane	ND	.100	ND	Q7C41923
Hexachlorobutadiene	ND	.100	ND	Q7C41923
2-Methylphenol	ND	.100	ND	Q7C41923
4-Methylphenol	ND	.100	ND	Q7C41923
Nitrobenzene	ND	.100	ND	Q7C41923
Pentachlorophenol	ND	.100	ND	Q7C41923
Pyridine	ND	.100	ND	Q7C41923
2,4,5-Trichlorophenol	ND	.100	ND	Q7C41923
2,4,6-Trichlorophenol	ND	.100	ND	Q7C41923

3-Methyl- and 4-Methylphenol coelute and are reported as the total

RCRA TCLP LEACHATE BASE/NEUTRAL/ACID ANALYSIS, MS, (MS52)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORPORATION	016208C	EX63BEDP6K	JN6478

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
2,4-Dinitrotoluene	ND	.100	ND	Q7C41923
Hexachlorobenzene	ND	.100	ND	Q7C41923
Hexachloroethane	ND	.100	ND	Q7C41923
Hexachlorobutadiene	ND	.100	ND	Q7C41923
2-Methylphenol	ND	.100	ND	Q7C41923
4-Methylphenol	ND	.100	ND	Q7C41923
Nitrobenzene	ND	.100	ND	Q7C41923
Pentachlorophenol	ND	.100	ND	Q7C41923
Pyridine	ND	.100	ND	Q7C41923
2,4,5-Trichlorophenol	ND	.100	ND	Q7C41923
2,4,6-Trichlorophenol	ND	.100	ND	Q7C41923

3-Methyl- and 4-Methylphenol coelute and are reported as the total

RCRA TCLP LEACHATE BASE/NEUTRAL/ACID ANALYSIS, MS, (MS52)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6B

JN6479

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
2,4-Dinitrotoluene	ND	.100	ND	Q7C41923
Hexachlorobenzene	ND	.100	ND	Q7C41923
Hexachloroethane	ND	.100	ND	Q7C41923
Hexachlorobutadiene	ND	.100	ND	Q7C41923
2-Methylphenol	ND	.100	ND	Q7C41923
4-Methylphenol	ND	.100	ND	Q7C41923
Nitrobenzene	ND	.100	ND	Q7C41923
Pentachlorophenol	ND	.100	ND	Q7C41923
Pyridine	ND	.100	ND	Q7C41923
2,4,5-Trichlorophenol	ND	.100	ND	Q7C41923
2,4,6-Trichlorophenol	ND	.100	ND	Q7C41923

3-Methyl- and 4-Methylphenol coelute and are reported as the total

RCRA TCLP LEACHATE BASE/NEUTRAL/ACID ANALYSIS, MS, (MS52)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORPORATION	016208C	EX63BEDP6C	JN6480

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
2,4-Dinitrotoluene	ND	.100	ND	Q7C41923
Hexachlorobenzene	ND	.100	ND	Q7C41923
Hexachloroethane	ND	.100	ND	Q7C41923
Hexachlorobutadiene	ND	.100	ND	Q7C41923
2-Methylphenol	ND	.100	ND	Q7C41923
4-Methylphenol	ND	.100	ND	Q7C41923
Nitrobenzene	ND	.100	ND	Q7C41923
Pentachlorophenol	ND	.100	ND	Q7C41923
Pyridine	ND	.100	ND	Q7C41923
2,4,5-Trichlorophenol	ND	.100	ND	Q7C41923
2,4,6-Trichlorophenol	ND	.100	ND	Q7C41923

3-Methyl- and 4-Methylphenol coelute and are reported as the total

RCRA TCLP LEACHATE BASE/NEUTRAL/ACID ANALYSIS, MS, (MS52)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6D

JN6481

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
2,4-Dinitrotoluene	ND	.100	ND	Q7C41923
Hexachlorobenzene	ND	.100	ND	Q7C41923
Hexachloroethane	ND	.100	ND	Q7C41923
Hexachlorobutadiene	ND	.100	ND	Q7C41923
2-Methylphenol	ND	.100	ND	Q7C41923
4-Methylphenol	ND	.100	ND	Q7C41923
Nitrobenzene	ND	.100	ND	Q7C41923
Pentachlorophenol	ND	.100	ND	Q7C41923
Pyridine	ND	.100	ND	Q7C41923
2,4,5-Trichlorophenol	ND	.100	ND	Q7C41923
2,4,6-Trichlorophenol	ND	.100	ND	Q7C41923

3-Methyl- and 4-Methylphenol coelute and are reported as the total

RCRA TCLP LEACHATE BASE/NEUTRAL/ACID ANALYSIS, MS, (MS52)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORPORATION	016208C	EX63BEDP6E	JN6482

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
2,4-Dinitrotoluene	ND	.100	ND	Q7C41923
Hexachlorobenzene	ND	.100	ND	Q7C41923
Hexachloroethane	ND	.100	ND	Q7C41923
Hexachlorobutadiene	ND	.100	ND	Q7C41923
2-Methylphenol	ND	.100	ND	Q7C41923
4-Methylphenol	ND	.100	ND	Q7C41923
Nitrobenzene	ND	.100	ND	Q7C41923
Pentachlorophenol	ND	.100	ND	Q7C41923
Pyridine	ND	.100	ND	Q7C41923
2,4,5-Trichlorophenol	ND	.100	ND	Q7C41923
2,4,6-Trichlorophenol	ND	.100	ND	Q7C41923

3-Methyl- and 4-Methylphenol coelute and are reported as the total

RCRA TCLP LEACHATE BASE/NEUTRAL/ACID ANALYSIS, MS, (MS52)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORPORATION	016208C	EX63BEDP6F	JN6483

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
2,4-Dinitrotoluene	ND	.100	ND	Q7C41923
Hexachlorobenzene	ND	.100	ND	Q7C41923
Hexachloroethane	ND	.100	ND	Q7C41923
Hexachlorobutadiene	ND	.100	ND	Q7C41923
2-Methylphenol	ND	.100	ND	Q7C41923
4-Methylphenol	ND	.100	ND	Q7C41923
Nitrobenzene	ND	.100	ND	Q7C41923
Pentachlorophenol	ND	.100	ND	Q7C41923
Pyridine	ND	.100	ND	Q7C41923
2,4,5-Trichlorophenol	ND	.100	ND	Q7C41923
2,4,6-Trichlorophenol	ND	.100	ND	Q7C41923

3-Methyl- and 4-Methylphenol coelute and are reported as the total

RCRA TCLP LEACHATE BASE/NEUTRAL/ACID ANALYSIS, MS, (MS52)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORPORATION	016208C	EX63BEDP6H	JN6484

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
2,4-Dinitrotoluene	ND	.100	ND	Q7C41923
Hexachlorobenzene	ND	.100	ND	Q7C41923
Hexachloroethane	ND	.100	ND	Q7C41923
Hexachlorobutadiene	ND	.100	ND	Q7C41923
2-Methylphenol	ND	.100	ND	Q7C41923
4-Methylphenol	ND	.100	ND	Q7C41923
Nitrobenzene	ND	.100	ND	Q7C41923
Pentachlorophenol	ND	.100	ND	Q7C41923
Pyridine	ND	.100	ND	Q7C41923
2,4,5-Trichlorophenol	ND	.100	ND	Q7C41923
2,4,6-Trichlorophenol	ND	.100	ND	Q7C41923

3-Methyl- and 4-Methylphenol coelute and are reported as the total

RCRA TCLP LEACHATE BASE/NEUTRAL/ACID ANALYSIS, MS, (MS52)

Company Name Facility Sample Point ASC Sample No.
OHM REMEDIATION SERVICES CORPORATION 016208C EX63BEDP6I JN6485

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
2,4-Dinitrotoluene	ND	.100	ND	Q7C41923
Hexachlorobenzene	ND	.100	ND	Q7C41923
Hexachloroethane	ND	.100	ND	Q7C41923
Hexachlorobutadiene	ND	.100	ND	Q7C41923
2-Methylphenol	ND	.100	ND	Q7C41923
4-Methylphenol	ND	.100	ND	Q7C41923
Nitrobenzene	ND	.100	ND	Q7C41923
Pentachlorophenol	ND	.100	ND	Q7C41923
Pyridine	ND	.100	ND	Q7C41923
2,4,5-Trichlorophenol	ND	.100	ND	Q7C41923
2,4,6-Trichlorophenol	ND	.100	ND	Q7C41923

3-Methyl- and 4-Methylphenol coelute and are reported as the total

RCRA TCLP LEACHATE BASE/NEUTRAL/ACID ANALYSIS, MS, (MS52)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORPORATION	016208C	EX63BEDP6J	JN6486

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
2,4-Dinitrotoluene	ND	.100	ND	Q7C41923
Hexachlorobenzene	ND	.100	ND	Q7C41923
Hexachloroethane	ND	.100	ND	Q7C41923
Hexachlorobutadiene	ND	.100	ND	Q7C41923
2-Methylphenol	ND	.100	ND	Q7C41923
4-Methylphenol	ND	.100	ND	Q7C41923
Nitrobenzene	ND	.100	ND	Q7C41923
Pentachlorophenol	ND	.100	ND	Q7C41923
Pyridine	ND	.100	ND	Q7C41923
2,4,5-Trichlorophenol	ND	.100	ND	Q7C41923
2,4,6-Trichlorophenol	ND	.100	ND	Q7C41923

3-Methyl- and 4-Methylphenol coelute and are reported as the total

RCRA TCLP LEACHATE BASE/NEUTRAL/ACID ANALYSIS, MS, (MS52)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6L

JN6487

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
2,4-Dinitrotoluene	ND	.100	ND	Q7C41923
Hexachlorobenzene	ND	.100	ND	Q7C41923
Hexachloroethane	ND	.100	ND	Q7C41923
Hexachlorobutadiene	ND	.100	ND	Q7C41923
2-Methylphenol	ND	.100	ND	Q7C41923
4-Methylphenol	ND	.100	ND	Q7C41923
Nitrobenzene	ND	.100	ND	Q7C41923
Pentachlorophenol	ND	.100	ND	Q7C41923
Pyridine	ND	.100	ND	Q7C41923
2,4,5-Trichlorophenol	ND	.100	ND	Q7C41923
2,4,6-Trichlorophenol	ND	.100	ND	Q7C41923

3-Methyl- and 4-Methylphenol coelute and are reported as the total

RCRA TCLP LEACHATE (ZHE) VOLATILE ANALYSIS, MS, (MV50)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6A

JN6476

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Benzene	ND	.125	ND	Q7V4147
Carbon tetrachloride	ND	.125	ND	Q7V4147
Chlorobenzene	ND	.125	ND	Q7V4147
Chloroform	ND	.125	ND	Q7V4147
1,4-Dichlorobenzene	ND	.125	ND	Q7V4147
1,2-Dichloroethane	ND	.125	ND	Q7V4147
1,1-Dichloroethylene	ND	.125	ND	Q7V4147
Methyl ethyl ketone	ND	.125	ND	Q7V4147
Tetrachloroethylene	ND	.125	ND	Q7V4147
Trichloroethylene	ND	.125	ND	Q7V4147
Vinyl chloride	ND	.125	ND	Q7V4147

RCRA TCLP LEACHATE (ZHE) VOLATILE ANALYSIS, MS, (MV50)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6G

JN6477

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Benzene	ND	.125	ND	Q7V4147
Carbon tetrachloride	ND	.125	ND	Q7V4147
Chlorobenzene	ND	.125	ND	Q7V4147
Chloroform	ND	.125	ND	Q7V4147
1,4-Dichlorobenzene	ND	.125	ND	Q7V4147
1,2-Dichloroethane	ND	.125	ND	Q7V4147
1,1-Dichloroethylene	ND	.125	ND	Q7V4147
Methyl ethyl ketone	ND	.125	ND	Q7V4147
Tetrachloroethylene	ND	.125	ND	Q7V4147
Trichloroethylene	ND	.125	ND	Q7V4147
Vinyl chloride	ND	.125	ND	Q7V4147

RCRA TCLP LEACHATE (ZHE) VOLATILE ANALYSIS, MS, (MV50)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6K

JN6478

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Benzene	ND	.125	ND	Q7V4147
Carbon tetrachloride	ND	.125	ND	Q7V4147
Chlorobenzene	ND	.125	ND	Q7V4147
Chloroform	ND	.125	ND	Q7V4147
1,4-Dichlorobenzene	ND	.125	ND	Q7V4147
1,2-Dichloroethane	ND	.125	ND	Q7V4147
1,1-Dichloroethylene	ND	.125	ND	Q7V4147
Methyl ethyl ketone	ND	.125	ND	Q7V4147
Tetrachloroethylene	ND	.125	ND	Q7V4147
Trichloroethylene	ND	.125	ND	Q7V4147
Vinyl chloride	ND	.125	ND	Q7V4147

RCRA TCLP LEACHATE (ZHE) VOLATILE ANALYSIS, MS, (MV50)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6B

JN6479

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Benzene	ND	.125	ND	Q7V4147
Carbon tetrachloride	ND	.125	ND	Q7V4147
Chlorobenzene	ND	.125	ND	Q7V4147
Chloroform	ND	.125	ND	Q7V4147
1,4-Dichlorobenzene	ND	.125	ND	Q7V4147
1,2-Dichloroethane	ND	.125	ND	Q7V4147
1,1-Dichloroethylene	ND	.125	ND	Q7V4147
Methyl ethyl ketone	ND	.125	ND	Q7V4147
Tetrachloroethylene	ND	.125	ND	Q7V4147
Trichloroethylene	ND	.125	ND	Q7V4147
Vinyl chloride	ND	.125	ND	Q7V4147

RCRA TCLP LEACHATE (ZHE) VOLATILE ANALYSIS, MS, (MV50)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6C

JN6480

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Benzene	ND	.125	ND	Q7V4147
Carbon tetrachloride	ND	.125	ND	Q7V4147
Chlorobenzene	ND	.125	ND	Q7V4147
Chloroform	ND	.125	ND	Q7V4147
1,4-Dichlorobenzene	ND	.125	ND	Q7V4147
1,2-Dichloroethane	ND	.125	ND	Q7V4147
1,1-Dichloroethylene	ND	.125	ND	Q7V4147
Methyl ethyl ketone	ND	.125	ND	Q7V4147
Tetrachloroethylene	ND	.125	ND	Q7V4147
Trichloroethylene	ND	.125	ND	Q7V4147
Vinyl chloride	ND	.125	ND	Q7V4147

RCRA TCLP LEACHATE (ZHE) VOLATILE ANALYSIS, MS, (MV50)

Company Name Facility Sample Point ASC Sample No.
OHM REMEDIATION SERVICES CORPORATION 016208C EX63BEDP6D JN6481

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Benzene	ND	.125	ND	Q7V4147
Carbon tetrachloride	ND	.125	ND	Q7V4147
Chlorobenzene	ND	.125	ND	Q7V4147
Chloroform	ND	.125	ND	Q7V4147
1,4-Dichlorobenzene	ND	.125	ND	Q7V4147
1,2-Dichloroethane	ND	.125	ND	Q7V4147
1,1-Dichloroethylene	ND	.125	ND	Q7V4147
Methyl ethyl ketone	ND	.125	ND	Q7V4147
Tetrachloroethylene	ND	.125	ND	Q7V4147
Trichloroethylene	ND	.125	ND	Q7V4147
Vinyl chloride	ND	.125	ND	Q7V4147

RCRA TCLP LEACHATE (ZHE) VOLATILE ANALYSIS, MS, (MV50)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6E

JN6482

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Benzene	ND	.125	ND	Q7V4147
Carbon tetrachloride	ND	.125	ND	Q7V4147
Chlorobenzene	ND	.125	ND	Q7V4147
Chloroform	ND	.125	ND	Q7V4147
1,4-Dichlorobenzene	ND	.125	ND	Q7V4147
1,2-Dichloroethane	ND	.125	ND	Q7V4147
1,1-Dichloroethylene	ND	.125	ND	Q7V4147
Methyl ethyl ketone	ND	.125	ND	Q7V4147
Tetrachloroethylene	ND	.125	ND	Q7V4147
Trichloroethylene	ND	.125	ND	Q7V4147
Vinyl chloride	ND	.125	ND	Q7V4147

RCRA TCLP LEACHATE (ZHE) VOLATILE ANALYSIS, MS, (MV50)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6F

JN6483

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Benzene	ND	.125	ND	Q7V4147
Carbon tetrachloride	ND	.125	ND	Q7V4147
Chlorobenzene	ND	.125	ND	Q7V4147
Chloroform	ND	.125	ND	Q7V4147
1,4-Dichlorobenzene	ND	.125	ND	Q7V4147
1,2-Dichloroethane	ND	.125	ND	Q7V4147
1,1-Dichloroethylene	ND	.125	ND	Q7V4147
Methyl ethyl ketone	ND	.125	ND	Q7V4147
Tetrachloroethylene	ND	.125	ND	Q7V4147
Trichloroethylene	ND	.125	ND	Q7V4147
Vinyl chloride	ND	.125	ND	Q7V4147

RCRA TCLP LEACHATE (ZHE) VOLATILE ANALYSIS, MS, (MV50)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6H

JN6484

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Benzene	ND	.125	ND	Q7V4147
Carbon tetrachloride	ND	.125	ND	Q7V4147
Chlorobenzene	ND	.125	ND	Q7V4147
Chloroform	ND	.125	ND	Q7V4147
1,4-Dichlorobenzene	ND	.125	ND	Q7V4147
1,2-Dichloroethane	ND	.125	ND	Q7V4147
1,1-Dichloroethylene	ND	.125	ND	Q7V4147
Methyl ethyl ketone	ND	.125	ND	Q7V4147
Tetrachloroethylene	ND	.125	ND	Q7V4147
Trichloroethylene	ND	.125	ND	Q7V4147
Vinyl chloride	ND	.125	ND	Q7V4147

RCRA TCLP LEACHATE (ZHE) VOLATILE ANALYSIS, MS, (MV50)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6I

JN6485

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Benzene	ND	.125	ND	Q7V4147
Carbon tetrachloride	ND	.125	ND	Q7V4147
Chlorobenzene	ND	.125	ND	Q7V4147
Chloroform	ND	.125	ND	Q7V4147
1,4-Dichlorobenzene	ND	.125	ND	Q7V4147
1,2-Dichloroethane	ND	.125	ND	Q7V4147
1,1-Dichloroethylene	ND	.125	ND	Q7V4147
Methyl ethyl ketone	ND	.125	ND	Q7V4147
Tetrachloroethylene	ND	.125	ND	Q7V4147
Trichloroethylene	ND	.125	ND	Q7V4147
Vinyl chloride	ND	.125	ND	Q7V4147

RCRA TCLP LEACHATE (ZHE) VOLATILE ANALYSIS, MS, (MV50)

Company Name Facility Sample Point ASC Sample No.
OHM REMEDIATION SERVICES CORPORATION 016208C EX63BEDP6J JN6486

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Benzene	ND	.125	ND	Q7V4147
Carbon tetrachloride	ND	.125	ND	Q7V4147
Chlorobenzene	ND	.125	ND	Q7V4147
Chloroform	ND	.125	ND	Q7V4147
1,4-Dichlorobenzene	ND	.125	ND	Q7V4147
1,2-Dichloroethane	ND	.125	ND	Q7V4147
1,1-Dichloroethylene	ND	.125	ND	Q7V4147
Methyl ethyl ketone	ND	.125	ND	Q7V4147
Tetrachloroethylene	ND	.125	ND	Q7V4147
Trichloroethylene	ND	.125	ND	Q7V4147
Vinyl chloride	ND	.125	ND	Q7V4147

RCRA TCLP LEACHATE (ZHE) VOLATILE ANALYSIS, MS, (MV50)

Company Name

Facility

Sample Point

ASC Sample No.

OHM REMEDIATION SERVICES CORPORATION

016208C

EX63BEDP6L

JN6487

Compounds	Sample Results mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Benzene	ND	.125	ND	Q7V4147
Carbon tetrachloride	ND	.125	ND	Q7V4147
Chlorobenzene	ND	.125	ND	Q7V4147
Chloroform	ND	.125	ND	Q7V4147
1,4-Dichlorobenzene	ND	.125	ND	Q7V4147
1,2-Dichloroethane	ND	.125	ND	Q7V4147
1,1-Dichloroethylene	ND	.125	ND	Q7V4147
Methyl ethyl ketone	ND	.125	ND	Q7V4147
Tetrachloroethylene	ND	.125	ND	Q7V4147
Trichloroethylene	ND	.125	ND	Q7V4147
Vinyl chloride	ND	.125	ND	Q7V4147

APPENDIX C
QUALITY ASSURANCE DATA

SUMMARY OF ANALYTICAL METHODOLOGY

ASC Joblink # 617314

REFERENCE		TITLE
1020	SW-846	Flash Point, Setaflash
1311	SW-846	Toxicity Characteristic Leaching Procedure
160.3	CAWW	Residue, Total, Gravimetric, Dried at 103-105 C
418.1	MCAWW	Petroleum Hydrocarbons, Total Recoverable
6010	SW-846	Inductively Coupled Plasma Atomic Emmision Spectroscopy
7470	SW-846	Mercury in Liquid Waste (Manual Cold-Vapor Technique)
7471	SW-846	Mercury in Solid Waste (Manual Cold-Vapor Technique)
8080	SW-846	Organochlorine Pesticides and/or PCBs
8100	SW-846	Polynuclear Aromatic Hydrocarbons
8150	SW-846	Chlorinated Herbicides
8240	SW-846	GC/MS for Volatile Organics
8270	SW-846	GC/MS for Semivolatile Organics: Capillary Column Technique
CLP 1.7.1.1	CLP	pH, Electrode
SECTION 7.3.3.2	SW-846	Test Method to Determine HCN Released from Wastes
SECTION 7.3.4.2	SW-846	Test Method to Determine HS Released from Wastes

METHODOLOGY REFERENCES

- ASTM** *American Society for Testing and Materials*, 1985 edition.
- CAWW** *Methods for Chemical Analysis of Water and Wastes*, April 1979 and Updated #1 March 1983.
- CLP** *USEPA Contract Laboratory Program*, Document #OLMO1.0, updates December 1990 #OLMO1.1 and February 1991 #OLMO1.1.1.
- EPA-500** *USEPA Methods for the Determination of Organic Compounds in Drinking Water*, EPA-600/4-88/039 December 1988.
- EPA-600** *USEPA Test Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater*, EPA-600/4-82-057 July 1982.
- NIOSH** *National Institute for Occupational Safety and Health*, 3rd edition, 1984.
- SMEWW** *Standard Methods for the Examination of Water and Wastewater*, 17th edition, 1989.
- STOA** *Spot Tests In Organic Analysis*, 7th edition, 1966.
- SW-846** *Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods*, 3rd edition, September 1986 and Update #1 July 1992.
- (1) This method was modified to incorporate the use of Boron Trifluoride (BF₃) as the derivatizing reagent according to Method 6640 in *SMEWW*, 17th edition, 1989.
- Title 22** *Waste Extraction Test*, Title 22, Section 66261.126 Appendix 2 of the California Administrative Code, May 1991.

ASC Certifications

State	Agency	Certification #
Alabama	ADEM	40830
California	CADOH	1178
Colorado	CODOH	OH113
Delaware	DEHSS	OH113
Kansas	KSDHE	E-202 & E-1173
Louisiana	LADOHH	92-10
Maryland	MDDHMH	210
Massachusetts	MADEP	M-OH113
New Jersey	NJDEPE	74603
New York	NYDOH	10712
North Carolina	NCDEM	392
Ohio	OHEPA	OH113
Oklahoma	OKDEQ	9216
Pennsylvania	PADER	68-450
South Carolina	SCDEHNR	92002
Tennessee	TNDOH/TNDEC	2978
Virginia	VADGS	00011
Washington	WADOE	C154
Wisconsin	WIDNR	999037160

Validated by:

- o US Army Corps of Engineers Chemical Analysis in Various Matrices

Approvals:

- o Chemical Waste Management Waste Characterization Analysis
- o EnviroSAFE Waste Characterization Analysis
- o USDA Permit for Importing Soils
- o Florida DEP Quality Assurance Plan #930034G
- o Naval Facilities Engineering Service Center Chemical Analysis in Various Matrices

REPORT KEY

mg/kg	= milligram per kilogram (ppm)
Mg/m ³	= milligram per cubic meter
ug/kg	= microgram per kilogram (ppb)
mg/L	= milligram per liter (ppm)
ug/L	= microgram per liter (ppb)
mg/W	= milligram per wipe
ug/W	= microgram per wipe
mg/SMP	= milligram per sample
ug/SMP	= microgram per sample (Tedlar Bag)
ug/smp	= microgram per sample
um/cm	= microMho per centimeter
pCi/l	= picocurie per liter
gm/cc	= grams per cubic centimeter
ppm	= parts per million
ppb	= parts per billion
ND	= Not detected at or above stated detection limit
<	= less than
>	= greater than
%	= percent
BTU/lb	= British Thermal Units per pound
Deg. C	= Degrees Celsius
n/a	= not applicable
Unk	= unknown
std	= result is relative to standard pH units
CV	= Conventional
IR	= Infrared Spectrophotometric
GC	= Gas Chromatograph Instrument
GC/MS	= Gas Chromatography/Mass Spectrometer Instrument
GRO	= Gasoline Range Organics
DRO	= Diesel Range Organics
PCB	= Polychlorinated Biphenyls (PCBs)
EP TOX	= Extraction Procedure Toxicity
TCLP	= Toxicity Characteristic Leaching Procedure
RCRA	= Resource Conservation and Recovery Act
SOW	= Statement of Work

CONVENTIONAL DATA (CV10)

Compounds		Blank Results	Blank Spike Recov	Unspiked Sample Results	Matrix Spike Recov	Relative Percent Diff	Batch Number
Reactive Cyanide	mg/kg	ND	94	-	-	-	Q2I4084
Reactive Sulfide	mg/kg	ND	84	-	-	-	Q2I4083

CONVENTIONAL DATA (CV10)

Compounds		Blank Results	Blank Spike Recov	Unspiked Sample Results	Matrix Spike Recov	Relative Percent Diff	Batch Number
Reactive Cyanide	mg/kg	ND	60	-	-	-	Q2I4086
Reactive Sulfide	mg/kg	ND	85	-	-	-	Q2I4087

QUALITY ASSURANCE DATA

RCRA TOTAL METALS ANALYSIS, (ME50)

Compounds	Blank Results mg/kg	Blank Spike Recov	Unspiked Sample Results mg/kg	Matrix Spike Recov	Relative Percent Diff	Batch Number
Arsenic	ND	92	16.3	79	21	Q2M5827R
Barium	ND	97	17.2	87	15	Q2M5827R
Cadmium	ND	89	ND	79	23	Q2M5827R
Chromium	ND	91	11.4	60	5	Q2M5827R
Lead	ND	92	6.90	88	52	Q2M5827R
Mercury	ND	83	ND	90	3	Q2G5820
Selenium	ND	89	ND	84	15	Q2M5827R
Silver	ND	99	ND	80	12	Q2M5827R

Variable QC matrix spike recoveries were attributed to sample matrix interference.

QUALITY ASSURANCE DATA

TOTAL PESTICIDE AND PCB ANALYSIS, GC, (GS05)

Compounds	Blank Results mg/kg	Blank Spike Recov	Unspiked Sample Results mg/kg	Matrix Spike Recov	Relative Percent Diff	Batch Number
Aldrin	ND	101	ND	49	6	Q2P41910
Alpha-BHC	ND	93	ND	36	8	Q2P41910
Beta-BHC	ND	135	ND	56	8	Q2P41910
Chlordane	ND	142	ND	64	7	Q2P41910
4,4'-DDD	ND	114	ND	63	7	Q2P41910
4,4'-DDE	ND	114	ND	55	7	Q2P41910
4,4'-DDT	ND	117	130	56	17	Q2P41910
Delta-BHC	ND	72	ND	39	8	Q2P41910
Dieldrin	ND	118	ND	61	3	Q2P41910
Endosulfan sulfate	ND	109	ND	62	1	Q2P41910
Endosulfan I	ND	142	ND	64	7	Q2P41910
Endosulfan II	ND	142	ND	67	5	Q2P41910
Endrin	ND	121	ND	63	1	Q2P41910
Endrin aldehyde	ND	91	ND	206	4	Q2P41910
Endrin ketone	ND	119	ND	61	5	Q2P41910
Gamma-BHC	ND	101	ND	40	7	Q2P41910
Heptachlor	ND	143	ND	66	7	Q2P41910
Heptachlor epoxide	ND	143	ND	64	8	Q2P41910
Methoxychlor	ND	151	ND	74	8	Q2P41910

Endrin aldehyde: Spike recovery which are out of control are due to matrix interference

QUALITY ASSURANCE DATA

PRIORITY POLLUTANT PNA ANALYSIS, GC, (GS16)

Compounds	Blank Results mg/kg	Blank Spike Recov	Unspiked Sample Results mg/kg	Matrix Spike Recov	Relative Percent Diff	Batch Number
Acenaphthene	ND	62	.656	-	-	Q2F41909
Acenaphthylene	ND	40	.385	-	-	Q2F41909
Anthracene	ND	41	1.99	-	-	Q2F41909
Benzo(a)anthracene	ND	59	.053	101	9	Q2F41909
Benzo(b)fluoranthene	ND	59	.057	94	5	Q2F41909
Benzo(k)fluoranthene	ND	62	ND	124	12	Q2F41909
Benzo(ghi)perylene	ND	56	.094	120	6	Q2F41909
Benzo(a)pyrene	ND	41	.065	90	7	Q2F41909
Chrysene	ND	62	.053	95	9	Q2F41909
Dibenzo(a,h)anthracene	ND	56	.097	106	6	Q2F41909
Fluoranthene	ND	64	.506	-	-	Q2F41909
Fluorene	ND	64	.484	-	-	Q2F41909
Naphthalene	ND	63	.490	-	-	Q2F41909
Phenanthrene	ND	65	.881	-	-	Q2F41909
Pyrene	ND	65	.262	112	10	Q2F41909

Surrogate recoveries which are outside of control limits were attributed to the sample matrix, this was confirmed by replicate analysis.

Due to sample matrix interferences, the spiked sample does not provide valid spike recovery data.

TOTAL PETROLEUM HYDROCARBON ANALYSIS, IR (IR00)

Compounds	Blank Results mg/kg	Blank Spike Recov	Unspiked Sample Results mg/kg	Matrix Spike Recov	Relative Percent Diff	Batch Number
Petroleum Hydrocarbons (IR)	ND	83	34.9	134	35	Q2T41912

TOTAL VOLATILE ANALYSIS, MS, (MV00)

Compounds	Blank Results mg/kg	Blank Spike Recov	Unspiked Sample Results mg/kg	Matrix Spike Recov	Relative Percent Diff	Batch Number
Benzene	ND	98	ND	100	1	Q2V4130
Chlorobenzene	ND	99	ND	85	10	Q2V4130
1,1-Dichloroethylene	ND	105	ND	103	4	Q2V4130
Toluene	ND	105	ND	89	4	Q2V4130
Trichloroethylene	ND	99	ND	96	1	Q2V4130

RCRA TCLP LEACHATE HERBICIDE ANALYSIS, GC, (GS52)

Compounds	Blank Results mg/L	Blank Spike Recov	Unspiked Sample Results mg/L	Matrix Spike Recov	Relative Percent Diff	Batch Number
2,4-D	ND	68	ND	46	13	Q7H41924
2,4,5-TP (Silvex)	ND	91	ND	60	14	Q7H41924

RCRA TCLP LEACHATE HERBICIDE ANALYSIS, GC, (GS52)

Compounds	Blank Results mg/L	Blank Spike Recov	Unspiked Sample Results mg/L	Matrix Spike Recov	Relative Percent Diff	Batch Number
2,4-D	ND	72	ND	36	18	Q7H41924A
2,4,5-TP (Silvex)	ND	75	ND	37	20	Q7H41924A

RCRA TCLP LEACHATE PESTICIDE ANALYSIS, GC, (GS54)

[illegible]

QUALITY ASSURANCE DATA

RCRA TCLP LEACHATE METALS ANALYSIS, (ME52)

Compounds	Blank Results mg/L	Blank Spike Recov	Unspiked Sample Results mg/L	Matrix Spike Recov	Relative Percent Diff	Batch Number
Arsenic	ND	99	ND	96	8	Q7M5811
Barium	ND	97	.275	98	8	Q7M5811
Cadmium	ND	98	ND	93	6	Q7M5811
Chromium	ND	98	ND	92	7	Q7M5811
Lead	ND	97	ND	95	8	Q7M5811
Mercury	ND	99	ND	107	3	Q7G5823
Selenium	ND	101	ND	98	7	Q7M5811
Silver	ND	103	ND	96	12	Q7M5811
Copper	ND	99	.029	97	7	Q7M5811
Zinc	ND	99	ND	95	7	Q7M5811

QUALITY ASSURANCE DATA

RCRA TCLP LEACHATE METALS ANALYSIS, (ME52)

Compounds	Blank Results mg/L	Blank Spike Recov	Unspiked Sample Results mg/L	Matrix Spike Recov	Relative Percent Diff	Batch Number
Arsenic	ND	89	ND	90	4	Q7M5812
Barium	ND	86	.573	83	4	Q7M5812
Cadmium	ND	86	.098	84	5	Q7M5812
Chromium	ND	88	ND	86	3	Q7M5812
Lead	ND	87	ND	87	3	Q7M5812
Mercury	ND	99	ND	107	3	Q7G5823
Selenium	ND	84	ND	88	1	Q7M5812
Silver	ND	100	ND	97	2	Q7M5812
Copper	ND	88	.044	87	3	Q7M5812
Zinc	ND	88	.253	87	3	Q7M5812

QUALITY ASSURANCE DATA

RCRA TCLP LEACHATE BASE/NEUTRAL/ACID ANALYSIS, MS, (MS52)

Compounds	Blank Results mg/L	Blank Spike Recov	Unspiked Sample Results mg/L	Matrix Spike Recov	Relative Percent Diff	Batch Number
2,4-Dinitrotoluene	ND	97	ND	102	4	Q7C41923
Hexachlorobenzene	ND	108	ND	63	16	Q7C41923
Hexachloroethane	ND	43	ND	31	13	Q7C41923
Hexachlorobutadiene	ND	47	ND	26	7	Q7C41923
2-Methylphenol	ND	90	ND	92	1	Q7C41923
4-Methylphenol	ND	80	ND	82	0	Q7C41923
Nitrobenzene	ND	81	ND	78	3	Q7C41923
Pentachlorophenol	ND	82	ND	88	2	Q7C41923
Pyridine	ND	64	ND	61	1	Q7C41923
2,4,5-Trichlorophenol	ND	86	ND	89	6	Q7C41923
2,4,6-Trichlorophenol	ND	83	ND	85	1	Q7C41923

3-Methyl- and 4-Methylphenol coelute and are reported as the total

QUALITY ASSURANCE DATA

RCRA TCLP LEACHATE (ZHE) VOLATILE ANALYSIS, MS, (MV50)

Compounds	Blank Results mg/L	Blank Spike Recov	Unspiked Sample Results mg/L	Matrix Spike Recov	Relative Percent Diff	Batch Number
Benzene	ND	93	ND	98	1	Q7V4147
Carbon tetrachloride	ND	89	ND	97	1	Q7V4147
Chlorobenzene	ND	89	ND	90	2	Q7V4147
Chloroform	ND	93	ND	88	1	Q7V4147
1,4-Dichlorobenzene	ND	76	ND	77	1	Q7V4147
1,2-Dichloroethane	ND	94	ND	104	2	Q7V4147
1,1-Dichloroethylene	ND	87	ND	86	1	Q7V4147
Methyl ethyl ketone	ND	75	ND	89	1	Q7V4147
Tetrachloroethylene	ND	90	ND	92	2	Q7V4147
Trichloroethylene	ND	94	ND	94	1	Q7V4147
Vinyl chloride	ND	81	ND	79	3	Q7V4147

QUALITY ASSURANCE DATA SURROGATE SUMMARY REPORT

SURROGATE ID	A159	B732	A121	A884	A158	B142	# OUT
QC BATCH: Q7C41923 Leachate (Semi-Volatile organics by MS)							
SAMPLE ID							
BLANK	90	92	92	96	91	67	0
BLANK SPIKE	91	92	85	98	96	95	0
EX63BEDP6A	54	70	68	91	92	66	0
EX63BEDP6A MD	90	95	87	100	97	95	0
EX63BEDP6A MS	88	92	83	101	96	94	0
EX63BEDP6B	76	73	78	94	94	84	0
EX63BEDP6C	80	76	79	96	97	83	0
EX63BEDP6D	75	72	74	86	90	83	0
EX63BEDP6E	76	71	76	87	90	68	0
EX63BEDP6F	80	77	79	93	95	86	0
EX63BEDP6G	82	79	82	93	94	79	0
EX63BEDP6H	25	63	31	92	95	77	0
EX63BEDP6I	86	83	80	96	99	81	0
EX63BEDP6J	80	75	77	92	95	72	0
EX63BEDP6K	80	76	79	94	93	74	0
EX63BEDP6L	81	79	80	101	100	84	0
QC LIMITS	(21-110)	(10-110)	(10-123)	(35-114)	(43-116)	(33-141)	

SURROGATE ID	F044	# OUT
QC BATCH: Q2F41909 Solid (Organics by GC-FID)		
SAMPLE ID		
BLANK	73	0
BLANK SPIKE	75	0
EX63BEDP5A MD	70	0
EX63BEDP5A MS	153 *	1
EX63BEDP6A	220 *	1
EX63BEDP6G	158 *	1
EX63BEDP6K	221 *	1
QC LIMITS	(39-130)	

SURROGATE ID	F047	# OUT
QC BATCH: Q7H41924 Leachate (Herbicide compounds by GC)		
SAMPLE ID		
BLANK	98	0
BLANK SPIKE	93	0
EX63BEDP6A	102	0
EX63BEDP6A MD	85	0
EX63BEDP6A MS	94	0
EX63BEDP6B	108	0
EX63BEDP6C	105	0
EX63BEDP6D	99	0
EX63BEDP6E	102	0
EX63BEDP6F	107	0

SURROGATE ID	
A047 = 1,2-Dichloroethane-D4	A500 = Decachlorobiphenyl
B185 = Toluene-D8	F044 = 2-Fluorobiphenyl (GC)
B668 = Bromofluorobenzene	F047 = 2,4-Dichlorophenylacetic-acid
A159 = 2-Fluorophenol	
B732 = Phenol-D6	
A121 = 2,4,6-Tribromophenol	
A884 = Nitrobenzene-D5	
A158 = 2-Fluorobiphenyl	
B142 = Terphenyl-D14	
B816 = 2,4,5,6-Tetrachloro-m-xylene	

* Values outside of method quality control limits
D Sample was diluted, however, some surroqates may be reported if results were observed.

* Values outside of method quality control limits

D Sample was diluted, however, some surrogates may be reported if results were observed.

It is ASC's laboratory policy to allow one surrogate per sample fraction (acid, base-neutral or pesticide) to exceed the stated QC limits. This policy is based upon the USEPA SOW for the Contract Laboratory Program (CLP).

QUALITY ASSURANCE DATA SURROGATE SUMMARY REPORT

SURROGATE ID			
F047		# OUT	
QC BATCH: Q7H41924 Leachate (Herbicide compounds by GC)			
SAMPLE ID			
EX63BEDP6G	101	0	
EX63BEDP6H	103	0	
EX63BEDP6I	103	0	
EX63BEDP6J	99	0	
EX63BEDP6K	100	0	
EX63BEDP6L	100	0	
QC LIMITS		(30-130)	
QC BATCH: Q7H41924A Leachate (Herbicide compounds by GC)			
SAMPLE ID			
BLANK	98	0	
BLANK SPIKE	107	0	
EX63BEDP6A	83	0	
EX63BEDP6A MD	98	0	
EX63BEDP6A MS	88	0	
QC LIMITS		(30-130)	

SURROGATE ID			
B816		A500	
# OUT			
QC BATCH: Q2P41910 Solid (Pesticide compounds by GC)			
SAMPLE ID			
BLANK	84	109	0
BLANK SPIKE	118	127	0
EX63BEDP5A MD	47	77	0
EX63BEDP5A MS	45	72	0
EX63BEDP6A	44	75	0
EX63BEDP6G	46	76	0
EX63BEDP6K	41	67	0
QC LIMITS		(30-130)	(30-130)

SURROGATE ID			
B816		A500	
# OUT			
QC BATCH: Q7P41925 Leachate (Pesticide compounds by GC)			
SAMPLE ID			
BLANK	98	98	0
BLANK SPIKE	87	76	0
EX63BEDP6A	108	118	0
EX63BEDP6A MD	95	106	0
EX63BEDP6A MS	92	101	0
EX63BEDP6B	92	109	0
EX63BEDP6C	99	109	0
EX63BEDP6D	89	106	0
EX63BEDP6E	96	109	0

SURROGATE ID			
A047 = 1,2-Dichloroethane-D4		A500 = Decachlorobiphenyl	
B185 = Toluene-D8		F044 = 2-Fluorobiphenyl (GC)	
B668 = Bromofluorobenzene		F047 = 2,4-Dichlorophenylacetic-acid	
A159 = 2-Fluorophenol			
B732 = Phenol-D6			
A121 = 2,4,6-Tribromophenol			
A884 = Nitrobenzene-D5			
A158 = 2-Fluorobiphenyl			
B142 = Terphenyl-D14			
B816 = 2,4,5,6-Tetrachloro-m-xylene			

* Values outside of method quality control limits
D Sample was diluted, however, some surrogates may be reported if results were observed.

It is ASC's laboratory policy to allow one surrogate per sample fraction (acid, base-neutral or pesticide) to exceed the stated QC limits. This policy is based upon the USEPA SOW for the Contract Laboratory Program (CLP).

QUALITY ASSURANCE DATA SURROGATE SUMMARY REPORT

SURROGATE ID				
	B816	A500	#	OUT
QC BATCH: Q7P41925 Leachate (Pesticide compounds by GC)				
SAMPLE ID				
EX63BEDP6F	96	109	0	
EX63BEDP6G	83	102	0	
EX63BEDP6H	97	109	0	
EX63BEDP6I	77	109	0	
EX63BEDP6J	93	112	0	
EX63BEDP6K	96	110	0	
EX63BEDP6L	100	107	0	
QC LIMITS	(30-130)	(30-130)		

SURROGATE ID				
	A047	B185	B668	# OUT
QC BATCH: Q2V4130 Solid (Volatile organics by MS)				
SAMPLE ID				
BLANK	100	113	105	0
BLANK SPIKE	96	104	94	0
EX63BED2AG MD	102	103	83	0
EX63BED2AG MS	108	95	83	0
EX63BED6AG	102	100	104	0
EX63BED6GG	102	95	91	0
EX63BED6KG	103	108	105	0
QC LIMITS	(70-121)	(81-117)	(74-121)	
QC BATCH: Q7V4147 Leachate (Volatile organics by MS)				
SAMPLE ID				
BLANK	109	99	105	0
BLANK SPIKE	106	94	98	0
EX63BEDP6A	110	95	101	0
EX63BEDP6B	104	93	98	0
EX63BEDP6C	104	97	104	0
EX63BEDP6D	107	103	107	0
EX63BEDP6E	109	103	107	0
EX63BEDP6F	111	103	104	0
EX63BEDP6G	104	93	98	0
EX63BEDP6H	107	102	105	0
EX63BEDP6I	105	99	99	0
EX63BEDP6J	111	101	106	0
EX63BEDP6K	107	96	100	0
EX63BEDP6L	109	103	105	0
EXAR66C1C MD	107	102	103	0
EXAR66C1C MS	113	101	103	0
QC LIMITS	(70-121)	(81-117)	(74-121)	

SURROGATE ID	
A047 = 1,2-Dichloroethane-D4	A500 = Decachlorobiphenyl
B185 = Toluene-D8	F044 = 2-Fluorobiphenyl (GC)
B668 = Bromofluorobenzene	F047 = 2,4-Dichlorophenylacetic-acid
A159 = 2-Fluorophenol	
B732 = Phenol-D6	
A121 = 2,4,6-Tribromophenol	
A884 = Nitrobenzene-D5	
A158 = 2-Fluorobiphenyl	
B142 = Terphenyl-D14	
B816 = 2,4,5,6-Tetrachloro-m-xylene	

* Values outside of method quality control limits
D Sample was diluted, however, some surrogates may be reported if results were observed.

It is ASC's laboratory policy to allow one surrogate per sample fraction (acid, base-neutral or pesticide) to exceed the stated QC limits. This policy is based upon the USEPA SOW for the Contract Laboratory Program (CLP).

APPENDIX D
CHAIN-OF-CUSTODY RECORD(S)



OHM Corporation

CHAIN-OF-CUSTODY RECORD

Form 0019
Field Technical Services
Rev. 08/89

No. 107771

O.H. MATERIALS CORP.		P.O. BOX 551		FINDLAY, OH 45839-0551		419-423-3526	
PROJECT NAME Ft Devens				PROJECT LOCATION Axon Ma			
PROJ. NO. 16208		PROJECT CONTACT Mike Quinlan		PROJECT TELEPHONE NO. (508) 772-2019			
CLIENT'S REPRESENTATIVE Tim Coleman (USACE)				PROJECT MANAGER/SUPERVISOR Bill Snow			
ITEM NO.	SAMPLE NUMBER	DATE	TIME	COMP	GRAB	SAMPLE DESCRIPTION (INCLUDE MATRIX AND POINT OF SAMPLE)	ANALYSIS DESIRED (INDICATE SEPARATE CONTAINERS)
1	EX63BEDP6A	12/21/94	1110	✓		clay and sand mix, lots of cobble, TPH clear	Full TCLP RCRA chon TPH PAH PCB/pest RCRA metals
2	EX63BEDP6B		1101	✓		lots of wet clay, little sand w cobble	
3	EX63BEDP6C		1059	✓		med brown sandy soil, lots of small cobble	
4	EX63BEDP6D		1057	✓		med brown sand w a little clay, lots of cobble	
5	EX63BEDP6E		0959	✓		yellowish brown clayey sand, cobble, TPH small	
6	EX63BEDP6F		0909	✓		light brown sand w lots of cobble, little clay	
7	EX63BEDP6G		0832	✓		mix of golden brown sand & grey clay, cobble	
8	EX63BEDP6H		0850	✓		med brown sand w clay, lots of cobble, moist	
9	EX63BEDP6I		0936	✓		yellowish clay, some sand & cobble	
10	EX63BEDP6J		0915	✓		wet clay w sand, lots of cobble	
TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY		TRANSFERS ACCEPTED BY		DATE	TIME
1	1-10	J. A. Blum		2087345793 Fed Ex airtail		12/21/94	1700
2	1-10	Fed X		M. Radabaugh		12/22/94	1044
3							
4							
REMARKS							
<ul style="list-style-type: none"> Preserved 4°C Temperature Blank included 5 day TAT 							
SAMPLER'S SIGNATURE							
J. A. Blum							



OHM Corporation

CHAIN-OF-CUSTODY RECORD

Form 0019
Field Technical Services
Rev. 08/89

No. 107772

O.H. MATERIALS CORP. • P.O. BOX 551 • FINDLAY, OH 45839-0551 • 419-423-3526

PROJECT NAME		PROJECT LOCATION		ANALYSIS DESIRED (INDICATE SEPARATE CONTAINERS)		NUMBER OF CONTAINERS	REMARKS
PROJ. NO.	PROJECT CONTACT	PROJECT TELEPHONE NO.					
CLIENT'S REPRESENTATIVE	PROJECT MANAGER/SUPERVISOR						
ITEM NO.	SAMPLE NUMBER	DATE	TIME	COMP	GRAB	SAMPLE DESCRIPTION (INCLUDE MATRIX AND POINT OF SAMPLE)	
1	EX63BEDP6K	12.21.94	0906	✓		Greyish yellow clay little yellow sand cobble	1X1L ✓ ✓ ✓ ✓ ✓ ✓
2	EX63BEDP6L	"	0825	✓		Dark brown sand w clay, lots of cobble	1X1L ✓ ✓ ✓
3	EX63BED6AG	"	1104		✓	Lt brown sandy clay, FPH small	2X40W VOA ✓
4	EX63BED6GG	"	0825		✓	Gold sand and grey clay, few cobble	" ✓
5	EX63BED6KG	"	0851		✓	grey clay, cobble, little gold sand	" ✓
6							
7							
8							
9							
10							

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME	REMARKS
1	1-5	J. A. Blum	Red ex Arisall 29.89345903	12.21.94	1900	• Temp block included • preserved at 4°C • 5 day TAT
2	1-5	FedX	M. Radabrogh	12/22/94	1044	
3						
4						

SAMPLER'S SIGNATURE

LAB COPY

Appendix H
Material Shipping Records



Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

IMPORTANT:

This form is *NOT* to be used for the shipment of remediation wastes subject to management under section 310 CMR 40.0035 of the Massachusetts Contingency Plan nor is it to be used in lieu of a hazardous waste manifest for hazardous waste or recyclable materials subject to the Massachusetts Hazardous Waste Regulations 310 CMR 30.000.

A Location Information

1. Provide the following information on the location where the waste was generated:

AREE63BE - BLDG 2290
Release name (optional)
NA Street NEAR QUEENSTOWN, GIVERY and QUEBEC STREETS Location and
FT DEVENS City/Town MA State 01433 Zip code

2. Date/Period of generation:

09/26/94 From 12/21/94 To

5. List additional tracking documents associated with this document:

3. U.S. EPA ID number:

MA7210025154

4. 21E release:

☐ yes ☒ no

B Generator Information

1. Provide the following generator information:

U.S. Army - Fort Devens
Name of organization
James C. Chambers Contract name BRAC Environmental Officer Title
AFZD-BEO-Box 1
Street address
Fort Devens City/Town MA State 01433 Zip code
(508) 796-3114 Telephone number and extension

C Owner and/or Operator Information

1. If the owner and/or operator is different from the generator as indicated in Section B, provide the following information:

Check applicable: ☐ owner ☐ operator

U.S. Army - Fort Devens
Name of organization
James C. Chambers Contract name BRAC Environmental Officer Title
AFZD-BEO-Box 1
Street address
Fort Devens City/Town MA State 01433 Zip code
(508) 796-3114 Telephone number and extension



Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

D Transporter/Common Carrier Information

1. Provide the following information:

P.J. Keating Company	N/A	N/A
Transporter/Common carrier name	Hazardous waste license number (if applicable)	License state (if applicable)
Mark Nikitas		
Contact person	Title	
998 Reservoir Road		
Street	MA	01462
Lunenburg	State	Zip code
(508) 582-9931		
City/Town		
Telephone number and extension		

E Receiving Facility Information

1. Provide the following information on the receiving facility:

U.S. Army - Fort Devens - Building 202		
Operator/facility name	BRAC Environmental Officer	
James C. Chambers		
Contact person	Title	
AFZD-BEO-Box 1	Fort Devens, MA	01433
Street	State	Zip code
(508) 796-3114		
Telephone number and extension		

2. Type of facility:

- ☐ asphalt batch/cold mix ☐ landfill/disposal ☐ thermal processing
☐ asphalt batch/hot mix ☐ landfill/daily cover ☐ landfill/structural fill
☒ other: Temporary Storage Facility

3. Permit number: N/A

F Description of Material

Check all that apply:

1. a. ☒ soil ☐ dredge material ☐ fill

b. Description:

BROWN, DAMP, FINE TO COARSE SAND,
SOME FINE TO COARSE GRAVEL, SOME

LITTLE SILT AND COBBLES

c. Classification: ☐ MIT ☐ USDA
☐ USAEC ☐ ASEE

2. ☒ Other:

MODIFIED BURMIESTER

describe

3. Type of contamination:

a. ☐ gasoline ☐ diesel fuel ☒ #2 oil ☐ #4 oil
☐ #6 oil ☐ waste oil ☐ kerosene ☐ jet fuel

b. ☐ Debris:

☐ demolition ☐ vegetative ☐ inorganic

c. ☐ Other:

describe



Material Shipping Record & Log

2-0662

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials **not** subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

F Description of Material (cont.)

4. Constituents of concern (check all that apply):

☒ As ☐ Cd ☒ Cr ☒ Pb ☐ Hg ☐ Na ☐ PCBs
☐ HVOCs ☐ PATH ☒ VOCs ☒ PAHs ☐ BNAs
☒ TPH ☐ Other:

DDT, DDE

describe

7. Estimated volume of materials:

2605.5 cubic yards

Cubic Yards

3908.26 tons

Tons

Other

5. Analyses performed (check all that apply):

☒ As ☒ Cd ☒ Cr ☒ Pb ☒ Hg ☐ Na ☒ PCBs
☒ HVOCs ☐ PATH ☒ VOCs ☒ PAHs ☐ BNAs
☒ TPH ☒ TCLP (inorganic) ☒ TCLP (organic)
☒ Other:

PH, FLASH, REAC (CN/S), PEST.

describe

8. Contaminant source (check one/specify):

☐ transportation accident ☒ lost ☐ other:

describe

6. Screening performed:

NONE

Type

Instrum. Used

Constituents

9. Indicate which waste characterization support documentation is attached

☐ site history information
☐ sampling and analytical methods/procedure
☒ laboratory data ☐ field screening data

If supporting documentation is not appended, provide an attachment stating the date and in connection with what document such information was previously submitted to the facility.

Draft Removal Action Report

G Qualified Environmental Professional Opinion

T.S. Alving & Associates

Name of organization

Todd Alving

Licensed Site Professional

Name of professional

(508) 435-3679

Title

Telephone number and extension

I have personally examined and am familiar with the information contained on and submitted with this form. Based on this information, it is my opinion that the testing and assessment actions undertaken were adequate to characterize the waste, and that the facility or location can accept wastes with the characteristics described in this submittal. I am aware that significant penalties, including but not limited to, possible fines and imprisonment may result if I knowingly submit information which is known to be false, inaccurate, or materially incomplete.



Signature

10.17.95

Date

4026.

License number

Seal



Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials **not** subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

H Certification of Generator

I certify under penalties of law that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this certification, and that, based on my inquiry of those individuals immediately responsible for obtaining the information contained herein is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

James C. Chambers
Signature

1/24/96
Date

Name (print)

I Acknowledgment of Receipt by Receiving Facility

U.S. Army - Fort Devens - Bldg 202

Receiving Facility

James C. Chambers

Representative (print)

BRAC Environmental Officer

The

Signature

1/24/96
Date



Material Shipping Record & Log

B. 2290

For the shipment of contaminated soil, urban fill, and dredge materials **not** subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

J Load Information

Note:
Make additional
copies of this
page as neces-
sary.

LOAD #: 130
Signature of transporter: *[Signature]*
B. 202 Soil Storage Area - Cell A
Receiving facility:
Date received: 10-18-95
Time received: 11:15
Date of shipment: 10-18-95
Time of shipment:
Truck/Tractor registration: MA C34867
Trailer registration: MA 10207
Load size (cubic yards/tons): 49,080 Lb / 24.54 ton

LOAD #: 131
Signature of transporter: *[Signature]*
B. 202 Soil Storage Area
Receiving facility:
Date received: 11-18-10/18/95
Time received: 11:18
Date of shipment: 10-18-95
Time of shipment:
Truck/Tractor registration: MA E24095
Trailer registration: MA 61631
Load size (cubic yards/tons): 62,540 Lb. / 31.27 ton

LOAD #: 133
Signature of transporter: *[Signature]*
B. 202 - Soil Storage Area, Cell A
Receiving facility:
Date received: 10-18-95
Time received: 11:28
Date of shipment: 10-18-95
Time of shipment:
Truck/Tractor registration: MA 22685
Trailer registration: MA 47499
Load size (cubic yards/tons): 65,940 Lb / 32.97 ton

LOAD #: 134
Signature of transporter: *[Signature]*
B. 202 Soil Storage Area, Cell A
Receiving facility:
Date received: 10-18-95
Time received: 11:30
Date of shipment: 10-18-95
Time of shipment:
Truck/Tractor registration: MA 32589
Trailer registration: MA 27020
Load size (cubic yards/tons): 55,850 Lb. / 27.92 ton

K Log Sheet Volume Information

233,410 Lb. / 116.70 ton
Total volume this page (cubic yards/tons)

Page 1 of 35

Total carried forward (cubic yards/tons):
233,410 Lbs / 116.70 tons
Total carried forward and this page (cubic yards/tons)



Material Shipping Record & Log

Tracking Number

B. 2290

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

J Load Information

Note:
Make additional
copies of this
page as neces-
sary.

LOAD #: 135

X M. C. [Signature]
Signature of transporter
B. 202 Soil Storage Area, Cell A
Receiving facility

10-18-95

Date received

1136

Time received

10-18-95

Date of shipment

Time of shipment

MA E40038

Truck/Tractor registration

MA 12363

Trailer registration

64,980 Lb. / 32.49 ton

Load size (cubic yards/tons)

LOAD #: 136

X [Signature]
Signature of transporter
B. 202 Soil Storage Area, Cell A
Receiving facility

10-18-95

Date received

1148

Time received

10-18-95

Date of shipment

Time of shipment

MA C34867

Truck/Tractor registration

MA 10207

Trailer registration

62,140 Lb. / 31.07 ton

Load size (cubic yards/tons)

LOAD #: 137

X [Signature]
Signature of transporter
B. 202 Soil Storage Area, Cell A
Receiving facility

10-18-95

Date received

1153

Time received

10-18-95

Date of shipment

Time of shipment

MA E40038

Truck/Tractor registration

MA 12363

Trailer registration

61,220 Lb. / 30.61 ton

Load size (cubic yards/tons)

LOAD #: 138

[Signature]
Signature of transporter
B. 202 Soil Storage Area, Cell A
Receiving facility

10-18-95

Date received

1255

Time received

10-18-95

Date of shipment

Time of shipment

MA E40038

Truck/Tractor registration

MA 12363

Trailer registration

HA 54730 Lbs / 24 33.77 tons

Load size (cubic yards/tons)

67540

K Log Sheet Volume Information

255880 Lbs / 127.94 tons
Total volume this page (cubic yards/tons)

233410 Lbs / 116.70 tons
Total carried forward (cubic yards/tons)

489290 Lbs / 244.64 tons
Total carried forward and this page (cubic yards/tons)

Page 2 of 35



Material Shipping Record & Log

2-0662

Tracking Number

Bldg 2290

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

J Load Information

Note:
Make additional
copies of this
page as neces-
sary.

LOAD #: 139

x Jack [Signature]

Signature of transporter

Receiving facility: Bldg 202 Soil Staging Area, Cell A

Date received

10/18/95

Time received

1257

Date of shipment

10/18/95

Time of shipment

MA 22685

Truck/Tractor registration

MA 47499

Trailer registration

59680 lbs / 29.84 tons

Load size (cubic yards/tons)

LOAD #: 140

x [Signature]

Signature of transporter

Receiving facility: Bldg 202 Soil Staging Area, Cell A

Date received

10/18/95

Time received

1301

Date of shipment

10/18/95

Time of shipment

MA 32588

Truck/Tractor registration

MA 27020

Trailer registration

54730 lbs / 27.37 tons

Load size (cubic yards/tons)

LOAD #: 141

x [Signature]

Signature of transporter

Receiving facility: Bldg 202 Soil Staging Area, Cell A

Date received

10/18/95

Time received

1313

Date of shipment

10/18/95

Time of shipment

MA C34867

Truck/Tractor registration

MA 10207

Trailer registration

66420 lbs / 33.21 tons

Load size (cubic yards/tons)

LOAD #: 142

x [Signature]

Signature of transporter

Receiving facility: Bldg 202 Soil Staging Area, Cell A

Date received

10/18/95

Time received

1315

Date of shipment

10/18/95

Time of shipment

MA E24095

Truck/Tractor registration

MA 61631

Trailer registration

57200 lbs / 28.6 tons

Load size (cubic yards/tons)

K Log Sheet Volume Information

238030 lbs / 119.02 tons

Total volume this page (cubic yards/tons)

489290 lbs / 244.64 tons

Total carried forward (cubic yards/tons)

727320 lbs / 363.66 tons

Total carried forward and this page (cubic yards/tons)

Page 3 of 35



Material Shipping Record & Log

2-0662

Tracking Number

Bldg 2290

For the shipment of contaminated soil, urban fill, and dredge materials **not** subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

J Load Information

Note:
Make additional
copies of this
page as neces-
sary.

LOAD #: 143
x [Signature]
Signature of transporter
Bldg 202 - Soil Staging Area, Cell A
Receiving facility
10/18/95
Date received
1325
Time received
10/18/95
Date of shipment

Time of shipment
MA E40038
Truck/Tractor registration
MA 12363
Trailer registration
64020 lbs / 32.01 tons
Load size (cubic yards/tons)

LOAD #: 144
x [Signature]
Signature of transporter
Bldg 202 - Soil Staging Area, Cell A
Receiving facility
10/18/95
Date received
1332
Time received
10/18/95
Date of shipment

Time of shipment
MA 22685
Truck/Tractor registration
MA 47499
Trailer registration
63440 lbs / 31.72 tons
Load size (cubic yards/tons)

LOAD #: 145
x [Signature]
Signature of transporter
Bldg 202 - Soil Staging Area, Cell A
Receiving facility
10/18/95
Date received
1335
Time received
10/18/95
Date of shipment

Time of shipment
MA 32588
Truck/Tractor registration
MA 27020
Trailer registration
70950 lbs / 35.48 tons
Load size (cubic yards/tons)

LOAD #: 146
x [Signature]
Signature of transporter
Bldg 202 - Soil Staging Area, Cell A
Receiving facility
10/18/95
Date received
1341
Time received
10/18/95
Date of shipment

Time of shipment
MA C34867
Truck/Tractor registration
MA 10207
Trailer registration
59380 lbs / 29.69 tons
Load size (cubic yards/tons)

K Log Sheet Volume Information

257790 lbs / 128.9 tons
Total volume this page (cubic yards/tons)
727320 lbs / 363.66 tons
Total carried forward (cubic yards/tons)
985110 lbs / 492.56 tons
Total carried forward and this page (cubic yards/tons)

Page 4 of 35



Material Shipping Record & Log

2-0662

Tracking Number

Bldg 2290

For the shipment of contaminated soil, urban fill, and dredge materials **not** subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

J Load Information

Note:
Make additional
copies of this
page as neces-
sary.

LOAD #: 147
x Don Corleio
Signature of transporter
Bldg 202- Soil Staging Area, Cell A
Receiving facility
10/18/95
Date received
1343
Time received
10/18/95
Date of shipment

Time of shipment
MA E24095
Truck/Tractor registration
MA 61631
Trailer registration
52920 lbs / 26.46 tons
Load size (cubic yards/tons)

LOAD #: 149
x M. O'Leary
Signature of transporter
Bldg 202- Soil Staging Area, Cell A
Receiving facility
10/18/95
Date received
1353
Time received
10/18/95
Date of shipment

Time of shipment
MA E40038
Truck/Tractor registration
MA 12363
Trailer registration
70400 lbs / 35.2 tons
Load size (cubic yards/tons)

LOAD #: 150
x [Signature]
Signature of transporter
Bldg 202- Soil Staging Area, Cell A
Receiving facility
10/18/95
Date received
1359
Time received
10/18/95
Date of shipment

Time of shipment
MA 22685
Truck/Tractor registration
MA 47499
Trailer registration
71280 lbs / 35.64 tons
Load size (cubic yards/tons)

LOAD #: 151
x [Signature]
Signature of transporter
Bldg 202- Soil Staging Area, Cell A
Receiving facility
10/18/95
Date received
1402
Time received
10/18/95
Date of shipment
1402
Time of shipment
MA 32588
Truck/Tractor registration
MA 27020
Trailer registration
62850 lbs / 31.43 tons
Load size (cubic yards/tons)

K Log Sheet Volume Information

257450 lbs / 128.73 tons
Total volume this page (cubic yards/tons)
985110 lbs / 492.56 tons
Total carried forward (cubic yards/tons)
1242560 lbs / 621.29 tons
Total carried forward and this page (cubic yards/tons)

Page 5 of 35



Material Shipping Record & Log

Tracking Number

Bldg 2290

For the shipment of contaminated soil, urban fill, and dredge materials **not** subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

J Load Information

Note:
Make additional
copies of this
page as neces-
sary.

LOAD #: 152
x Wal Rogers
Signature of transporter
Bldg 202- Soil Staging Area Cell A
Receiving facility
10/18/95
Date received
1405
Time received
10/18/95
Date of shipment

Time of shipment
MA C34 867
Truck/Tractor registration
MA 10207
Trailer registration
59700 lbs / 29.85 tons
Load size (cubic yards/tons)

LOAD #: 153
x Adam Cardis
Signature of transporter
Bldg 202- Cell A, Soil Staging Area
Receiving facility
10/18/95
Date received
1407
Time received
10/18/95
Date of shipment

Time of shipment
MA E24095
Truck/Tractor registration
MA 61631
Trailer registration
57880 lbs / 28.94 tons
Load size (cubic yards/tons)

LOAD #: 154
x My. Gaten
Signature of transporter
Bldg 202, Soil Staging Area, Cell A
Receiving facility
10/18/95
Date received
1421
Time received
10/18/95
Date of shipment

Time of shipment
MA E40038
Truck/Tractor registration
MA 12363
Trailer registration
65020 lbs / 32.51 tons
Load size (cubic yards/tons)

LOAD #: 155
x [Signature]
Signature of transporter
Bldg 202, Soil Staging Area, Cell A
Receiving facility
10/18/95
Date received
1428
Time received
10/18/95
Date of shipment

Time of shipment
MA 22685
Truck/Tractor registration
MA 47499
Trailer registration
71780 lbs / 35.89 tons
Load size (cubic yards/tons)

K Log Sheet Volume Information

254380 lbs / 127.19 tons
Total volume this page (cubic yards/tons)
1242560 lbs / 621.29 tons
Total carried forward (cubic yards/tons)
1496940 lbs / 748.48 tons
Total carried forward and this page (cubic yards/tons)

Page 6 of 35



Material Shipping Record & Log

Tracking Number

Bldg 2290

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

J Load Information

Note:
Make additional
copies of this
page as neces-
sary.

LOAD #: 156
Signature of transporter: *[Signature]*
Receiving facility: Bldg 202 - Soil Staging Area, Cell A
Date received: 10/18/95
Time received: 1432
Date of shipment: 10/18/95
Time of shipment: MA 32588
Truck/Tractor registration: MA 27020
Trailer registration: 63770 lbs / 31.89 tons
Load size (cubic yards/tons)

LOAD #: 157
Signature of transporter: *[Signature]*
Receiving facility: Bldg 202 - Soil Staging Area, Cell A
Date received: 10/18/95
Time received: 1441
Date of shipment: 10/18/95
Time of shipment: MA 030699
Truck/Tractor registration: MA 12367
Trailer registration: 54560 lbs / 27.28 tons
Load size (cubic yards/tons)

LOAD #: 158
Signature of transporter: *[Signature]*
Receiving facility: Bldg 202 - Soil Staging Area, Cell A
Date received: 10/18/95
Time received: 1443
Date of shipment: 10/18/95
Time of shipment: MA C34867
Truck/Tractor registration: MA 10207
Trailer registration: 66280 lbs / 33.14 tons
Load size (cubic yards/tons)

LOAD #: 159
Signature of transporter: *[Signature]*
Receiving facility: Bldg 202 - Soil Staging Area, Cell A
Date received: 10/18/95
Time received: 1447
Date of shipment: 10/18/95
Time of shipment: MA E24095
Truck/Tractor registration: MA 61631
Trailer registration: 50040 lbs / 25.02 tons
Load size (cubic yards/tons)

K Log Sheet Volume Information

234650 lbs / 117.33 tons
Total volume this page (cubic yards/tons)
1496940 lbs / 748.48 tons
Total carried forward (cubic yards/tons)
1731590 lbs / 865.81 tons
Total carried forward and this page (cubic yards/tons)

Page 7 of 35

**Material Shipping Record & Log**

2-0662

Tracking Number

Bldg 2290

For the shipment of contaminated soil, urban fill, and dredge materials **not** subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

J Load Information

Note:
Make additional
copies of this
page as neces-
sary.

LOAD #: 160
X [Signature]
Signature of transporter
Bldg 202- Soil Staging Area, Cell A
Receiving facility
10/18/95
Date received
1450
Time received
10/18/95
Date of shipment
Time of shipment
MA E40038
Truck/Tractor registration
MA 12363
Trailer registration
66100 lbs / 30.05 tons
Load size (cubic yards/tons)

LOAD #: 161
X [Signature]
Signature of transporter
Bldg 202- Soil Staging Area, Cell A
Receiving facility
10/18/95
Date received
1503
Time received
10/18/95
Date of shipment
Time of shipment
MA 32588
Truck/Tractor registration
MA 27020
Trailer registration
63050 lbs / 31.53 tons
Load size (cubic yards/tons)

LOAD #: 162
X [Signature]
Signature of transporter
Bldg 202- Soil Staging Area, Cell A
Receiving facility
10/18/95
Date received
1507
Time received
10/18/95
Date of shipment
Time of shipment
MA 22685
Truck/Tractor registration
MA 47499
Trailer registration
47300 lbs / 23.65 tons
Load size (cubic yards/tons)

LOAD #: 163
X [Signature]
Signature of transporter
Bldg 202- Soil Staging Area, Cell A
Receiving facility
10/18/95
Date received
1511
Time received
10/18/95
Date of shipment
Time of shipment
MA D30699
Truck/Tractor registration
MA 12367
Trailer registration
55940 lbs / 27.97 tons
Load size (cubic yards/tons)

K Log Sheet Volume Information

226390 lbs / 113.2 tons
Total volume this page (cubic yards/tons)
1731590 lbs / 865.81 tons
Total carried forward (cubic yards/tons)
1957980 lbs / 979.01 tons
Total carried forward and this page (cubic yards/tons)

Page 8 of 35



Material Shipping Record & Log

2-0662

Tracking Number

Bldg 2290

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

J Load Information

Note:
Make additional
copies of this
page as neces-
sary.

LOAD #: 164
x Nal Hogan
Signature of transporter
Bldg 202- Soil Staging Area, Cell A
Receiving facility
10/18/95
Date received
1514
Time received
10/18/95
Date of shipment
Time of shipment
MA C34867
Truck/Tractor registration
MA 10267
Trailer registration
62740 lbs / 31.37 tons
Load size (cubic yards/tons)

LOAD #: 165
x Edm Cordis
Signature of transporter
Bldg 202- Soil Staging Area, Cell A
Receiving facility
10/18/95
Date received
1519
Time received
10/18/95
Date of shipment
Time of shipment
MA E24095
Truck/Tractor registration
MA 61631
Trailer registration
56920 lbs / 28.46 tons
Load size (cubic yards/tons)

LOAD #: 166
x Th Calton
Signature of transporter
Bldg 202- Soil Staging Area, Cell A
Receiving facility
10/19/95
Date received
0813
Time received
10/19/95
Date of shipment
MA E40038
Truck/Tractor registration
MA 12363
Trailer registration
61240 lbs / 30.62 tons
Load size (cubic yards/tons)

LOAD #: 167
x Nal Hogan
Signature of transporter
Bldg 202- Soil Staging Area, Cell A
Receiving facility
10/19/95
Date received
0818
Time received
10/19/95
Date of shipment
MA ~~E~~ C34867
Truck/Tractor registration
MA 22685
Trailer registration
64920 lbs / 32.46 tons
Load size (cubic yards/tons)
60620 lbs / 30.31 tons

K Log Sheet Volume Information

241520 ^{MM} 245820 lbs / 122.91 tons 120.76 Page 9 of 35
Total volume this page (cubic yards/tons)
1957980 lbs / 979.01 tons
Total carried forward (cubic yards/tons)
2203800 lbs / 1101.92 tons 1099.77
Total carried forward and this page (cubic yards/tons)

**Material Shipping Record & Log**

2-0662

Tracking Number

Bldg 2290

For the shipment of contaminated soil, urban fill, and dredge materials **not** subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

J Load Information

Note:
Make additional
copies of this
page as neces-
sary.

LOAD #: 168

x *M. Calton*

Signature of transporter

Bldg 202- Soil Staging Area, Cell A

Receiving facility

10/19/95

Date received

0843

Time received

10/19/95

Date of shipment

Time of shipment

MA E40038

Truck/Tractor registration

MA 12363

Trailer registration

60760 lbs / 30.38 tons

Load size (cubic yards/tons)

LOAD #: 170

x *M. Calton*

Signature of transporter

Bldg 202- Soil Staging Area, Cell A

Receiving facility

10/19/95

Date received

0912

Time received

10/19/95

Date of shipment

Time of shipment

MA E40038

Truck/Tractor registration

MA 12363

Trailer registration

64300 lbs / 32.15 tons

Load size (cubic yards/tons)

LOAD #: 169

x *M. Calton*

Signature of transporter

Bldg 202- Soil Staging Area, Cell A

Receiving facility

10/19/95

Date received

0848

Time received

10/19/95

Date of shipment

Time of shipment

MA C34867

Truck/Tractor registration

MA 22685

Trailer registration

65900 lbs / 32.95 tons

Load size (cubic yards/tons)

61600 30.8

LOAD #: 171

x *M. Calton*

Signature of transporter

Bldg 202- Soil Staging Area, Cell A

Receiving facility

10/19/95

Date received

0918

Time received

10/19/95

Date of shipment

Time of shipment

MA C34867

Truck/Tractor registration

MA 22685

Trailer registration

63880 lbs / 31.94 tons

Load size (cubic yards/tons)

59580 29.79

K Log Sheet Volume Information

246240 254840 lbs / 127.42 tons 123.12 Page 10 of 35

Total volume this page (cubic yards/tons)

2199500 2203800 lbs / 97.11 tons 1099.77

Total carried forward (cubic yards/tons)

2445740 2458640 lbs / 122.93 tons 1222.89

Total carried forward and this page (cubic yards/tons)



Material Shipping Record & Log

2-0662

Tracking Number

Bldg 2290

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

J Load Information

Note:
Make additional
copies of this
page as neces-
sary.

LOAD #: 172
x Val Noyes
Signature of transporter
Bldg 202- Soil Staging Area, Cell A
Receiving facility
10/19/95
Date received
0946
Time received
10/19/95
Date of shipment
Time of shipment
MA C34867
Truck/Tractor registration
MA 22685
Trailer registration
KH 66920 lbs / 33.46 tons
Load size (cubic yards/tons)
62620 31.31

LOAD #: 174
x M. Mer
Signature of transporter
Bldg 202- Soil Staging Area, Cell A
Receiving facility
10/19/95
Date received
1008
Time received
10/19/95
Date of shipment
Time of shipment
MA 32588
Truck/Tractor registration
MA 27020
Trailer registration
56590 lbs / 28.30 tons
Load size (cubic yards/tons)

LOAD #: 173
x M. Carter
Signature of transporter
Bldg 202- Soil Staging Area, Cell A
Receiving facility
10/19/95
Date received
0959
Time received
10/19/95
Date of shipment
Time of shipment
MA E40038
Truck/Tractor registration
MA 12363
Trailer registration
64780 lbs / 32.39 tons
Load size (cubic yards/tons)

LOAD #: 175
x J. P. L...
Signature of transporter
Bldg 202- Soil Staging Area, Cell A
Receiving facility
10/19/95
Date received
1017
Time received
10/19/95
Date of shipment
Time of shipment
MA 22685
Truck/Tractor registration
MA 47499
Trailer registration
59900 lbs / 29.95 tons
Load size (cubic yards/tons)

K Log Sheet Volume Information

243890 ~~248190~~ lbs / ~~124.1~~ tons 121.95
Total volume this page (cubic yards/tons)
2445740 ~~2458640~~ lbs / ~~122.934~~ tons 122.89
Total carried forward (cubic yards/tons)
2689630 ~~2706836~~ lbs / ~~1353.44~~ tons 1344.84
Total carried forward and this page (cubic yards/tons)

Page 11 of 35



Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials **not** subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

J Load Information

Note:
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copies of this
page as neces-
sary.

LOAD #: 176
X Adam Cordis
Signature of transporter
Bldg 202 - Soil Staging Area, Cell A
Receiving facility
10/19/95
Date received
1025
Time received
10/19/95
Date of shipment
Time of shipment
MA B44609
Truck/Tractor registration
MA 21421
Trailer registration
57420 lbs / 28.71 tons
Load size (cubic yards/tons)

LOAD #: 177
X [Signature]
Signature of transporter
Bldg 202 - Soil Staging Area, Cell A
Receiving facility
10/19/95
Date received
1035
Time received
10/19/95
Date of shipment
Time of shipment
MA 32588
Truck/Tractor registration
MA 27020
Trailer registration
57290 lbs / 28.65 tons
Load size (cubic yards/tons)

LOAD #: 178
X Ned Hogg
Signature of transporter
Bldg 202 - Soil Staging Area, Cell A
Receiving facility
10/19/95
Date received
1043
Time received
10/19/95
Date of shipment
Time of shipment
MA C34867
Truck/Tractor registration
MA 22685
Trailer registration
56660 lbs / 28.33 tons
Load size (cubic yards/tons)
52360 26.18

LOAD #: 179
X [Signature]
Signature of transporter
Bldg 202 - Soil Staging Area, Cell A
Receiving facility
10/19/95
Date received
1045
Time received
10/19/95
Date of shipment
Time of shipment
MA E40038
Truck/Tractor registration
MA 12363
Trailer registration
59820 lbs / 29.91 tons
Load size (cubic yards/tons)

K Log Sheet Volume Information

226890 23190 lbs / 13.6 tons 113.45
Total volume this page (cubic yards/tons)
2689630 276830 lbs / 1353.44 tons 1344.84
Total carried forward (cubic yards/tons)
2916520 2938620 lbs / 1469.04 tons 1458.29
Total carried forward and this page (cubic yards/tons)

Page 12 of 35



Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

J Load Information

Note:
Make additional
copies of this
page as neces-
sary.

LOAD #: 180

x [Signature]

Signature of transporter

Bldg 202, Soil Staging Area, Cell A

Receiving facility

10/19/95

Date received

1049

Time received

10/19/95

Date of shipment

Time of shipment

MA 22685

Truck/Tractor registration

MA 47499

Trailer registration

51100 lbs / 25.55 tons

Load size (cubic yards/tons)

LOAD #: 181

x [Signature]

Signature of transporter

Bldg 202 - Soil Staging Area, Cell A

Receiving facility

10/19/95

Date received

1055

Time received

10/19/95

Date of shipment

Time of shipment

MA B44609

Truck/Tractor registration

MA 21421

Trailer registration

56080 lbs / 28.04 tons

Load size (cubic yards/tons)

LOAD #: 182

x [Signature]

Signature of transporter

Bldg 202 - Soil Staging Area, Cell A

Receiving facility

10/19/95

Date received

1103

Time received

10/19/95

Date of shipment

Time of shipment

MA 32588

Truck/Tractor registration

MA 27020

Trailer registration

61210 lbs / 30.64 tons

Load size (cubic yards/tons)

LOAD #: 183

x [Signature]

Signature of transporter

Bldg 202 - Soil Staging Area, Cell A

Receiving facility

10/19/95

Date received

1110

Time received

10/19/95

Date of shipment

Time of shipment

MA E40038

Truck/Tractor registration

MA 12363

Trailer registration

57160 lbs / 28.58 tons

Load size (cubic yards/tons)

K Log Sheet Volume Information

225610 lbs / 112.81

Total volume this page (cubic yards/tons)

2916520 lbs / 1458.29

Total carried forward (cubic yards/tons)

3142130 lbs / 1571.1 tons

Total carried forward and this page (cubic yards/tons)

Page 13 of 35

**Material Shipping Record & Log**

For the shipment of contaminated soil, urban fill, and dredge materials **not** subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

J Load Information

Note:
Make additional
copies of this
page as neces-
sary.

LOAD #: 184
x *[Signature]*
Signature of transporter
Bldg 202- Soil Staging Area, Cell A
Receiving facility
10/19/95
Date received
1112
Time received
10/19/95
Date of shipment

Time of shipment
MA C34867
Truck/Tractor registration
MA 22685
Trailer registration
63520 lbs / 31.76 tons
Load size (cubic yards/tons)
59220 29.61

LOAD #: 186
x *[Signature]*
Signature of transporter
Bldg 202- Soil Staging Area, Cell A
Receiving facility
10/19/95
Date received
1120
Time received
10/19/95
Date of shipment

Time of shipment
MA B44609
Truck/Tractor registration
MA 21421
Trailer registration
61200 lbs / 30.6 tons
Load size (cubic yards/tons)

LOAD #: 185
x *[Signature]*
Signature of transporter
Bldg 202- Soil Staging Area, Cell A
Receiving facility
10/19/95
Date received
1117
Time received
10/19/95
Date of shipment

Time of shipment
MA 22685
Truck/Tractor registration
MA 47499
Trailer registration
55040 lbs / 27.52
Load size (cubic yards/tons)

LOAD #: 187
x *[Signature]*
Signature of transporter
Bldg 202- Soil Staging Area, Cell A
Receiving facility
10/19/95
Date received
1131
Time received
10/19/95
Date of shipment

Time of shipment
MA 32588
Truck/Tractor registration
MA 27020
Trailer registration
59470 lbs / 29.74 tons
Load size (cubic yards/tons)

K Log Sheet Volume Information

234930 lbs / 117.47 tons
Total volume this page (cubic yards/tons)

3142130 lbs / 1571.1 tons
Total carried forward (cubic yards/tons)

3377060 lbs / 1688.57 tons
Total carried forward and this page (cubic yards/tons)

Page 14 of 35



Material Shipping Record & Log

Tracking Number

Bldg 2270

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

J Load Information

Note:
Make additional
copies of this
page as neces-
sary.

LOAD #: 188
 x [Signature]
 Signature of transporter
Bldg 202 - Soil Staging Area, Cell A
 Receiving facility
10/19/95
 Date received
1136
 Time received
10/19/95
 Date of shipment

 Time of shipment
MA 1240038
 Truck/Tractor registration
MA 12363
 Trailer registration
58600 lbs / 29.3 tons
 Load size (cubic yards/tons)

LOAD #: 189
 x [Signature]
 Signature of transporter
Bldg 202 - Soil Staging Area, Cell A
 Receiving facility
10/19/95
 Date received
1142
 Time received
10/19/95
 Date of shipment

 Time of shipment
MA C34867
 Truck/Tractor registration
MA 22685
 Trailer registration
60360 lbs / 30.18 tons
 Load size (cubic yards/tons)

LOAD #: 190
 x [Signature]
 Signature of transporter
Bldg 202 - Soil Staging Area, Cell A
 Receiving facility
10/19/95
 Date received
1144
 Time received
10/19/95
 Date of shipment

 Time of shipment
MA 22685
 Truck/Tractor registration
MA 47499
 Trailer registration
53400 lbs / 26.7 tons
 Load size (cubic yards/tons)

LOAD #: 191
 x [Signature]
 Signature of transporter
Bldg 202 - Soil Staging Area, Cell A
 Receiving facility
10/19/95
 Date received
1149
 Time received
10/19/95
 Date of shipment

 Time of shipment
MA B344609
 Truck/Tractor registration
MA 21421
 Trailer registration
60320 lbs / 30.16 tons
 Load size (cubic yards/tons)

K Log Sheet Volume Information

232680 lbs / 116.34 tons
 Total volume this page (cubic yards/tons)
3377060 lbs / 1688.57 tons
 Total carried forward (cubic yards/tons)
3609740 lbs / 1804.91 tons
 Total carried forward and this page (cubic yards/tons)

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Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials **not** subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

J Load Information

Note:
Make additional
copies of this
page as neces-
sary.

LOAD #: 192
x [Signature]
Signature of transporter
Bldg 202 - Soil Staging Area, Cell A
Receiving facility
10/19/95
Date received
1156
Time received
10/19/95
Date of shipment
Time of shipment
MA 32588
Truck/Tractor registration
MA 27020
Trailer registration
50710 lbs / 25.36 tons
Load size (cubic yards/tons)

LOAD #: 193
x [Signature]
Signature of transporter
Bldg 202 - Soil Staging Area, Cell A
Receiving facility
10/19/95
Date received
1253
Time received
10/19/95
Date of shipment
Time of shipment
MA E40038
Truck/Tractor registration
MA 12363
Trailer registration
52180 lbs / 26.09 tons
Load size (cubic yards/tons)

LOAD #: 194
x [Signature]
Signature of transporter
Bldg 202 - Soil Staging Area, Cell A
Receiving facility
10/19/95
Date received
1302
Time received
10/19/95
Date of shipment
Time of shipment
MA 22685
Truck/Tractor registration
MA 47499
Trailer registration
47,520 lb / 23.76 ton
Load size (cubic yards/tons)

LOAD #: 195
x [Signature]
Signature of transporter
Bldg 202 - Soil Staging Area, Cell A
Receiving facility
10/19/95
Date received
1303
Time received
10/19/95
Date of shipment
Time of shipment
MA B44609
Truck/Tractor registration
MA 21421
Trailer registration
55,340 lb / 27.67 ton
Load size (cubic yards/tons)

K Log Sheet Volume Information

205750 lbs / 102.87 ton
Total volume this page (cubic yards/tons)
3609740 lbs / ~~1688~~ 1804.91 tons
Total carried forward (cubic yards/tons)
3815490 lbs / 1907.78 tons
Total carried forward and this page (cubic yards/tons)

Page 16 of 35



Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials **not** subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000 B. 2290

J Load Information

Note:
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copies of this
page as neces-
sary.

LOAD #: 196
Signature of transporter: [Signature]
Receiving facility: B. 202 Soil Storage Area Cell A
Date received: 10/19/95
Time received: 1310
Date of shipment: 10/19/95
Time of shipment: MA C34867
Truck/Tractor registration: MA 22685
Trailer registration: 52,280 Lb. / 26.14 ton
Load size (cubic yards/tons):

LOAD #: 197
Signature of transporter: [Signature]
Receiving facility: B. 202 Soil Storage Area, Cell A
Date received: 10/19/95
Time received: 1315
Date of shipment: 10/19/95
Time of shipment: MA 32588
Truck/Tractor registration: MA 32588 MA27020
Trailer registration: 58030 Lb. / 29.01 ton
Load size (cubic yards/tons):

LOAD #: 198
Signature of transporter: [Signature]
Receiving facility: B. 202 Soil Storage Area, Cell A
Date received: 10/19/95
Time received: 1323
Date of shipment: 10/19/95
Time of shipment: MA E40038
Truck/Tractor registration: MA 12363
Trailer registration: 58,220 Lb. / 29.11 ton
Load size (cubic yards/tons):

LOAD #: 199
Signature of transporter: [Signature]
Receiving facility: B. 202 Soil Storage Area
Date received: 10/19/95
Time received: 1330
Date of shipment: 10/19/95
Time of shipment: MA 22685
Truck/Tractor registration: MA 47499
Trailer registration: 50,160 Lb. / 25.08 ton
Load size (cubic yards/tons):

K Log Sheet Volume Information

218,690 Lb. / 109.34 ton
Total volume this page (cubic yards/tons)
3815490 lbs 1907.78 ton
Total carried forward (cubic yards/tons)
4034,180 lbs 2017.12 ton
Total carried forward and this page (cubic yards/tons)

Page 17 of 35



Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials **not** subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

J Load Information

Note:
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LOAD #: 200Signature of transporter: Don CordisReceiving facility: B. 202 Soil Storage Area, Cell ADate received: 10/19/95Time received: 1340Date of shipment: 10/19/95Time of shipment: MA B 44609Truck/Tractor registration: MA 21421Trailer registration: 56,460 lbs. / 28.23 ton

Load size (cubic yards/tons)

LOAD #: 201Signature of transporter: Val BoyerReceiving facility: B 202 Soil Storage Area, Cell ADate received: 10/19/95Time received: 1336Date of shipment: 10/19/95Time of shipment: MA C34867Truck/Tractor registration: MA 10207Trailer registration: 51880 lb. / 25.94 ton

Load size (cubic yards/tons)

LOAD #: 202Signature of transporter: [Signature]Receiving facility: B. 202 Soil Storage Area, Cell ADate received: 10/19/95Time received: 1340Date of shipment: 10/19/95Time of shipment: MA 32588Truck/Tractor registration: MA 27020Trailer registration: 57,450 lb. / 28.72 ton

Load size (cubic yards/tons)

LOAD #: 203Signature of transporter: [Signature]Receiving facility: B. 202 Soil Storage Area, Cell ADate received: 10/19/95Time received: 1352Date of shipment: 10/19/95Time of shipment: MA E40038Truck/Tractor registration: MA 12363Trailer registration: 58,420 Lb. / 29.21 ton

Load size (cubic yards/tons)

K Log Sheet Volume Information

Total volume this page (cubic yards/tons): 224,210 Lb. / 112.10 tonTotal carried forward (cubic yards/tons): 4,034,180 lbs. / 2017.12 tonTotal carried forward and this page (cubic yards/tons): 4,258,390 lbs. / 2129.22 ton

Total carried forward and this page (cubic yards/tons)

Page 18 of 35



Material Shipping Record & Log

Tracking Number

B. 2290

For the shipment of contaminated soil, urban fill, and dredge materials **not** subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

J Load Information

Note:
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sary.

LOAD #: 204
Signature of transporter: *[Signature]*
Receiving facility: B. 202 Soil Storage Area, Cell A
Date received: 10/19/95
Time received: 1358
Date of shipment: 10/19/95
Time of shipment: MA 22685
Truck/Tractor registration: MA 47499
Trailer registration: 59,640 Lb. / 29.82 ton
Load size (cubic yards/tons)

LOAD #: 205
Signature of transporter: *[Signature]*
Receiving facility: B. 202 Soil Storage Area, Cell A
Date received: 10/19/95
Time received: 1400
Date of shipment: 10/19/95
Time of shipment: MA B44609
Truck/Tractor registration: MA 21421
Trailer registration: 45,060 Lb. / 22.53 ton
Load size (cubic yards/tons)

LOAD #: 206
Signature of transporter: *[Signature]*
Receiving facility: B. 202 Soil Storage Area, Cell A
Date received: 10/19/95
Time received: 1405
Date of shipment: 10/19/95
Time of shipment: MAC 34867
Truck/Tractor registration: MA 10207
Trailer registration: 50,540 Lb. / 25.27 ton
Load size (cubic yards/tons)

LOAD #: 207
Signature of transporter: *[Signature]*
Receiving facility: B. 202 Soil Storage Area, Cell A
Date received: 10/19/95
Time received: 1407
Date of shipment: 10/19/95
Time of shipment: MA 32588
Truck/Tractor registration: MA 27020
Trailer registration: 55,770 Lb. / 27.88 ton
Load size (cubic yards/tons)

K Log Sheet Volume Information

211,010 Lb. / 105.50

Total volume this page (cubic yards/tons)

4,034,425 Lb. / 2129.22 ton

Total carried forward (cubic yards/tons)

4,469,400 Lb. / 2234.72 ton

Total carried forward and this page (cubic yards/tons)

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Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

B-2290

J Load Information

Note:
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sary.

LOAD #: ~~201~~ ²⁰⁹ ~~201~~ ²⁰⁹
 Signature of transporter: *[Signature]*
 B. 202 Soil Storage Area, Cell A
 Receiving facility
 10/19/95
 Date received
 1421
 Time received
 10/19/95
 Date of shipment
 Time of shipment
 MAE40038
 Truck/Tractor registration
 MA 12363
 Trailer registration
 57,980 lb. / 28.99 ton
 Load size (cubic yards/tons)

LOAD #: 209
 Signature of transporter: *[Signature]*
 B. 202 Soil Storage Area, Cell A
 Receiving facility
 10/19/95
 Date received
 1428
 Time received
 10/19/95
 Date of shipment
 Time of shipment
 MA22685
 Truck/Tractor registration
 MA 47499
 Trailer registration
 60,240 lb. / 30.12 ton
 Load size (cubic yards/tons)

LOAD #: ~~210~~ ²¹⁰ ~~210~~ ²¹⁰
 Signature of transporter: *[Signature]*
 B. 202 Soil Storage Area, Cell A
 Receiving facility
 10/19/95
 Date received
 1430
 Time received
 10/19/95
 Date of shipment
 Time of shipment
 MA B44609
 Truck/Tractor registration
 MA 21421
 Trailer registration
 57,740 lb. / 28.87 ton
 Load size (cubic yards/tons)

LOAD #: 211
 Signature of transporter: *[Signature]*
 B. 202 Soil Storage Area, Cell A
 Receiving facility
 10/19/95
 Date received
 1434
 Time received
 10/19/95
 Date of shipment
 Time of shipment
 MA 32588
 Truck/Tractor registration
 MA 27020
 Trailer registration
 54,830 lb. / ~~27~~ 27.41 ton
 Load size (cubic yards/tons)

K Log Sheet Volume Information

230,790 lb. / 115.39 ton
 Total volume this page (cubic yards/tons)
 4,469,400 lb. / 2234.72 ton
 Total carried forward (cubic yards/tons)
 4,700,190 lb. / 2350.11 ton
 Total carried forward and this page (cubic yards/tons)

Page 20 of 35



Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

B. 2290

J Load Information

Note:
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page as neces-
sary.

LOAD #: 213

Signature of transporter

B. 202 Soil Storage Area, Cell A

Receiving facility

10/19/95

Date received

1436

Time received

10/19/95

Date of shipment

Time of shipment

MA C 34867

Truck/Tractor registration

MA 10207

Trailer registration

60,020 lb. 30.01 ton

Load size (cubic yards/tons)

LOAD #: 213

Signature of transporter

B. 202 Soil Storage Area, Cell F

Receiving facility

10/19/95

Date received

1448

Time received

10/19/95

Date of shipment

Time of shipment

MA E40038

Truck/Tractor registration

MA 12363

Trailer registration

58,520 lbs. / 29.26 ton

Load size (cubic yards/tons)

LOAD #: 214

Signature of transporter

B. 202 Soil Storage Area, Cell A

Receiving facility

10/20/95

Date received

0815

Time received

10/20/95

Date of shipment

Time of shipment

MA B44609

Truck/Tractor registration

MA 21421

Trailer registration

60,400 lb. / 30.20 ton

Load size (cubic yards/tons)

LOAD #: 215

Signature of transporter

B. 202 Soil Storage Area, Cell A

Receiving facility

10/20/95

Date received

0816

Time received

10/19/95

Date of shipment

Time of shipment

MA 22685

Truck/Tractor registration

MA 47499

Trailer registration

57,180 lb. / 28.59 ton

Load size (cubic yards/tons)

K Log Sheet Volume Information

236,120 lb. / 118.06 ton

Total volume this page (cubic yards/tons)

4700 190 lbs. / 2350.11 tons

Total carried forward (cubic yards/tons)

4936,310 lbs. / 2468.17 tons

Total carried forward and this page (cubic yards/tons)

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Material Shipping Record & Log

2-C662

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials **not** subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

B.2290

J Load Information

Note:
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page as neces-
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LOAD #

Signature of transporter

B.202 Soil Storage Area, Cell A

Receiving facility

10/19/95

Date received

0818

Time received

10/19/95

Date of shipment

Time of shipment

MA 32588

Truck/Tractor registration

MA 27020

Trailer registration

56270 lb. / 28.13 ton

Load size (cubic yards/tons)

LOAD #

Signature of transporter

B.202 Soil Storage Area, Cell A

Receiving facility

10/20/95

Date received

0820

Time received

10/20/95

Date of shipment

Time of shipment

MA C34867

Truck/Tractor registration

MA 10207

Trailer registration

60,500 lb. / 30.25 ton

Load size (cubic yards/tons)

LOAD #

Signature of transporter

B.202 Soil Storage Area, Cell A

Receiving facility

10/20/95

Date received

0822

Time received

10/19/95

Date of shipment

Time of shipment

MA E40038

Truck/Tractor registration

MA 12363

Trailer registration

36,500 lb. / 27.87 ton

Load size (cubic yards/tons)

42,240 lb.

LOAD #

Signature of transporter

B.202 Soil Storage Area, Cell A

Receiving facility

10/20/95

Date received

0840

Time received

10/20/95

Date of shipment

Time of shipment

MA B44609

Truck/Tractor registration

MA 21421

Trailer registration

58,520 lb. / 29.26 ton

Load size (cubic yards/tons)

K Log Sheet Volume Information

231,030 lbs / 115.51 tons

Total volume this page (cubic yards/tons)

4936,310 lbs. / 2468.17 ton

Total carried forward (cubic yards/tons)

5,167,340 lbs / 2583.68 ton

Total carried forward and this page (cubic yards/tons)

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Material Shipping Record & Log

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

B 2290

J Load Information

Note:
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page as neces-
sary.

LOAD #: 220

Signature of transporter

B.202 Soil Storage Area, Cell A

Receiving facility

10/20/95

Date received

0850

Time received

10/20/95

Date of shipment

Time of shipment

MA 32588

Truck/Tractor registration

MA 27020

Trailer registration

56,430 lbs. / 25.21 ton

Load size (cubic yards/tons)

LOAD #: 221

Signature of transporter

Jackie Spuria B.202 Soil Storage Area, Cell A

Receiving facility

10/20/95

Date received

0852

Time received

10/20/95

Date of shipment

Time of shipment

MA 22685

Truck/Tractor registration

MA 47499

Trailer registration

65,680 lbs. / 32.84 ton

Load size (cubic yards/tons)

LOAD #: 222

Signature of transporter

B.202 Soil Storage Area, Cell A

Receiving facility

10/20/95

Date received

0856

Time received

10/20/95

Date of shipment

Time of shipment

MA 634867

Truck/Tractor registration

MA 10207

Trailer registration

55,940 lbs. / 27.97 ton

Load size (cubic yards/tons)

LOAD #: 223

Signature of transporter

B.202 Soil Storage Area, Cell A

Receiving facility

10/20/95

Date received

0900

Time received

10/20/95

Date of shipment

Time of shipment

MA E40038

Truck/Tractor registration

MA 12363

Trailer registration

63,420 lbs. 31.71 ton

Load size (cubic yards/tons)

K Log Sheet Volume Information

241,470 lbs / 120.73

Total volume this page (cubic yards/tons)

5,167,340 lbs / 2583.68

Total carried forward (cubic yards/tons)

5,408,810 lbs / 2704.41 ton

Total carried forward and this page (cubic yards/tons)

Page 23 of 35



Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials **not** subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000 B-2290

J Load Information

Note:
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sary.

LOAD #: 224

Signature of transporter

B-202 Soil Storage Area, Cell A

Receiving facility

10/20/95

Date received

0902

Time received

10-20-95

Date of shipment

Time of shipment

MA B44609

Truck/Tractor registration

MA 21421

Trailer registration

58,180 lbs. / 29.09 ton

Load size (cubic yards/tons)

LOAD #: 225

Signature of transporter

B-202 Soil Storage Area, Cell A

Receiving facility

10-20-95

Date received

0935

Time received

10-20-95

Date of shipment

Time of shipment

MA E40038

Truck/Tractor registration

MA 12363

Trailer registration

58,480 lbs. / 29.24

Load size (cubic yards/tons)

LOAD #: 226

Signature of transporter

B-202 Soil Storage Area, Cell A

Receiving facility

10-20-95

Date received

1000

Time received

10-20-95

Date of shipment

Time of shipment

MA 32588

Truck/Tractor registration

MA 27020

Trailer registration

59,690 lbs. / 29.84 ton

Load size (cubic yards/tons)

LOAD #: 227

Signature of transporter

B-202 Soil Storage Area, Cell A

Receiving facility

10-20-95

Date received

1005

Time received

10-20-95

Date of shipment

Time of shipment

MA 22685

Truck/Tractor registration

MA 47499

Trailer registration

56,420 lbs. / 28.21 ton

Load size (cubic yards/tons)

K Log Sheet Volume Information

233,040 lbs. / 116.52

Total volume this page (cubic yards/tons)

5,408,810 lbs. / 2704.41 Ton

Total carried forward (cubic yards/tons)

5,641,850 lbs. / 2820.93 ton

Total carried forward and this page (cubic yards/tons)

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Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000 B. 2290

J Load Information

Note:
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sary.

LOAD #: 228

Signature of transporter

B. 202 Soil Storage Area, Cell A

Receiving facility

10-20-95

Date received

1007

Time received

10:20-95

Date of shipment

Time of shipment

MAC 34867

Truck/Tractor registration

MA10207

Trailer registration

59,000 lb. / 29.20 ton

Load size (cubic yards/tons)

LOAD #: 229

Signature of transporter

B. 202 Soil Storage Area, Cell A

Receiving facility

10-20-95

Date received

1010

Time received

10:20-95

Date of shipment

Time of shipment

MA B44609

Truck/Tractor registration

MA 21421

Trailer registration

51,180 lb. / 25.59 ton

Load size (cubic yards/tons)

LOAD #: 230

Signature of transporter

B. 202 Soil Storage Area, Cell A

Receiving facility

10-20-95

Date received

1025

Time received

10:20-95

Date of shipment

Time of shipment

MAE40038

Truck/Tractor registration

MA 12363

Trailer registration

55,440 lb. / 27.72 ton

Load size (cubic yards/tons)

LOAD #: 231

Signature of transporter

B. 202 Soil Storage Area, Cell A

Receiving facility

10-20-95

Date received

1026

Time received

10:20-95

Date of shipment

Time of shipment

MA32588

Truck/Tractor registration

MA 27020

Trailer registration

61,810 lb. / 30.90 ton

Load size (cubic yards/tons)

K Log Sheet Volume Information

227,430 lbs. / 113.71 ton

Total volume this page (cubic yards/tons)

5,641,850 lbs. / 2820.93 ton

Total carried forward (cubic yards/tons)

5,869,280 lbs. / 2934.65 ton

Total carried forward and this page (cubic yards/tons)

Page 25 of 35



Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials **not** subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000 B, 2290

J Load Information

Note:
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LOAD #: 232

X [Signature]

Signature of transporter

B 202 Soil Storage Area, Cell A

Receiving facility

10-20-95

Date received

1037

Time received

10-20-95

Date of shipment

Time of shipment

MAC 34867

Truck/Tractor registration

MA 10207

Trailer registration

62,300 lbs. / 31.15 ton

Load size (cubic yards/tons)

LOAD #: 233

X [Signature]

Signature of transporter

B 202 Soil Storage Area, Cell A

Receiving facility

10-20-95

Date received

1041

Time received

10-20-95

Date of shipment

Time of shipment

MA B44609

Truck/Tractor registration

MA 21421

Trailer registration

54,840 lbs. / 27.42 ton

Load size (cubic yards/tons)

LOAD #: 234

X [Signature]

Signature of transporter

B 202 Soil Storage Area, Cell A

Receiving facility

10-20-95

Date received

1050

Time received

10-20-95

Date of shipment

Time of shipment

MAE40038

Truck/Tractor registration

MA 12363

Trailer registration

61,400 lb. / 30.70 ton

Load size (cubic yards/tons)

LOAD #: 235

X [Signature]

Signature of transporter

B 202 Soil Storage Area, Cell A

Receiving facility

10-20-95

Date received

1051

Time received

10-20-95

Date of shipment

Time of shipment

MA 22685

Truck/Tractor registration

MA 47499

Trailer registration

55,240 lb. / 27.62 ton

Load size (cubic yards/tons)

K Log Sheet Volume Information

233,780 lb. / 116.89 ton

Total volume this page (cubic yards/tons)

5,869,280 lbs. / 2934.65 ton

Total carried forward (cubic yards/tons)

6,103,060 lbs. / 3051.54 ton

Total carried forward and this page (cubic yards/tons)

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Material Shipping Record & Log

2-0662

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials **not** subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

B 2290

J Load Information

Note:
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LOAD #: 236

Signature of transporter

B-202 Soil Storage Area, Cell A

Receiving facility

10-20-95

Date received

1100

Time received

10-20-95

Date of shipment

Time of shipment

MA C34867

Truck/Tractor registration

MA 10207

Trailer registration

53,240 lb. / 26.62 ton

Load size (cubic yards/tons)

LOAD #: 237

Signature of transporter

B-202 Soil Storage Area, Cell A

Receiving facility

10-20-95

Date received

1105

Time received

10-20-95

Date of shipment

Time of shipment

MA 32588

Truck/Tractor registration

MA 27020

Trailer registration

53,790 lb. / 26.89 ton

Load size (cubic yards/tons)

LOAD #: 238

Signature of transporter

B-202 Soil Storage Area, Cell A

Receiving facility

10-20-95

Date received

1113

Time received

10-20-95

Date of shipment

Time of shipment

MA B44609

Truck/Tractor registration

MA 21421

Trailer registration

63,600 lb. / 31.80 ton

Load size (cubic yards/tons)

LOAD #: 239

Signature of transporter

B-202 Soil Storage Area, Cell A

Receiving facility

10-20-95

Date received

1120

Time received

10-20-95

Date of shipment

Time of shipment

MA 22685

Truck/Tractor registration

MA 47499

Trailer registration

58,390 lb. / 29.20 ton

Load size (cubic yards/tons)

K Log Sheet Volume Information

229,020 lbs. / 114.51 ton

Total volume this page (cubic yards/tons)

6,103,060 lbs. / 3051.54 ton

Total carried forward (cubic yards/tons)

6,332,080 lbs. / 3166.05 ton

Total carried forward and this page (cubic yards/tons)

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Material Shipping Record & Log

2-0662

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000 B. 2290

J Load Information

Note:
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page as neces-
sary.

LOAD #: 240

Signature of transporter

B. 202 Soil Staging Area, Cell A

Receiving facility

10-20-95

Date received

1121

Time received

10-20-95

Date of shipment

Time of shipment

MAE40038

Truck/Tractor registration

MA 12363

Trailer registration

67,380 lbs. / 33.69 ton

Load size (cubic yards/tons)

LOAD #: 241

Signature of transporter

B. 202 Soil Storage Area, Cell A

Receiving facility

10-20-95

Date received

1126

Time received

10-20-95

Date of shipment

Time of shipment

MAC34867

Truck/Tractor registration

MA 10207

Trailer registration

56,020 lbs. / 28.01 ton

Load size (cubic yards/tons)

LOAD #: 242

Signature of transporter

B. 202 Soil Storage Area, Cell A

Receiving facility

10-20-95

Date received

1137

Time received

10-20-95

Date of shipment

Time of shipment

MA32588

Truck/Tractor registration

MA 27020

Trailer registration

65,910 lbs. / 32.95 ton

Load size (cubic yards/tons)

LOAD #: 243

Signature of transporter

B. 202 Soil Storage Area, Cell A

Receiving facility

10-20-95

Date received

1143

Time received

10-20-95

Date of shipment

Time of shipment

MA B44609

Truck/Tractor registration

MA 21421

Trailer registration

58,220 lbs. / 29.11 ton

Load size (cubic yards/tons)

K Log Sheet Volume Information

247,530 lbs.

~~121,930 lbs.~~ / 123.76

Total volume this page (cubic yards/tons)

6,332,080 lbs. / 3166.05 ton

Total carried forward (cubic yards/tons)

6,579,610 lbs. / 439.81 ton

Total carried forward and this page (cubic yards/tons) 3289.81

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Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

B.2290

J Load Information

Note:
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page as neces-
sary.

LOAD #: 244

Signature of transporter

B.202 Soil Storage Area, Cell A

Receiving facility

10.20.95

Date received

1147

Time received

10.20.95

Date of shipment

Time of shipment

MA 22685

Truck/Tractor registration

MA 47499

Trailer registration

57,620 lb. / 28.81 ton

Load size (cubic yards/tons)

LOAD #: 245

Signature of transporter

B.202 Soil Storage Area, Cell A

Receiving facility

10.20.95

Date received

1150

Time received

10.20.95

Date of shipment

Time of shipment

MAC 34867

Truck/Tractor registration

MA 10207

Trailer registration

65,460 lb. / 32.73 ton

Load size (cubic yards/tons)

LOAD #: 246

Signature of transporter

B.202 Soil Storage Area, Cell A

Receiving facility

10.20.95

Date received

1152

Time received

10.20.95

Date of shipment

Time of shipment

MA E40038

Truck/Tractor registration

MA 12363

Trailer registration

50,060 lb. / 25.03 ton

Load size (cubic yards/tons)

LOAD #: 247

Signature of transporter

B.202 Soil Storage Area, Cell A

Receiving facility

10.20.95

Date received

1204

Time received

10.20.95

Date of shipment

Time of shipment

MA 32588

Truck/Tractor registration

MA 27020

Trailer registration

55,450 lb. / 27.73 ton

Load size (cubic yards/tons)

K Log Sheet Volume Information

228,590 lbs. / 114.29

Total volume this page (cubic yards/tons)

6,579,610 lbs. / 439.81 ton

Total carried forward (cubic yards/tons)

6,808,200 lbs. / 3404.10 ton

Total carried forward and this page (cubic yards/tons)

Page 29 of 35



Material Shipping Record & Log

2 - 0662

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials **not** subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000 B.2290

J Load Information

Note:
Make additional
copies of this
page as neces-
sary.

LOAD #: 248

X DAN

Signature of transporter

B. 202 Soil Storage Area, Cell A

Receiving facility

10-20-95

Date received

1256

Time received

10-20-95

Date of shipment

Time of shipment

MA B44609

Truck/Tractor registration

MA 21421

Trailer registration

58160 lbs / 29.08 tons

Load size (cubic yards/tons)

LOAD #: 249

X JAEL

Signature of transporter

Bldg 202- Soil Staging Area, Cell A

Receiving facility

10-20-95

Date received

1258

Time received

10/20/95

Date of shipment

Time of shipment

MA 22685

Truck/Tractor registration

MA 47499

Trailer registration

66940 lbs / 33.47 tons

Load size (cubic yards/tons)

LOAD #: 250

X McGee

Signature of transporter

Bldg 202- Soil Staging Area, Cell A

Receiving facility

10/20/95

Date received

1304

Time received

10/20/95

Date of shipment

Time of shipment

MA E40038

Truck/Tractor registration

MA 12363

Trailer registration

63620 lbs / 31.81 tons

Load size (cubic yards/tons)

LOAD #: 251

X McGee

Signature of transporter

Bldg 202- Soil Staging Area, Cell A

Receiving facility

10/20/95

Date received

1314

Time received

10/20/95

Date of shipment

Time of shipment

MA C34867

Truck/Tractor registration

MA 10207

Trailer registration

56880 lbs / 28.44 tons

Load size (cubic yards/tons)

K Log Sheet Volume Information

245,600 lbs / 122.8 tons

Total volume this page (cubic yards/tons)

6,808,200 lbs / 3404.10 tons

Total carried forward (cubic yards/tons)

7,053,800 lbs / 3526.9 tons

Total carried forward and this page (cubic yards/tons)

Page 30 of 35



Material Shipping Record & Log

2-0662

Tracking Number

Bldg 2290

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

J Load Information

Note:
Make additional
copies of this
page as neces-
sary.

LOAD #: 252

x DAN

Signature of transporter

Bldg 202- Soil Staging Area, Cell A

Receiving facility

10/20/95

Date received

1318

Time received

10/20/95

Date of shipment

Time of shipment

MA B44609

Truck/Tractor registration

MA 21421

Trailer registration

62280 lbs/ 31.14 tons

Load size (cubic yards/tons)

LOAD #: 254

x Jim Cline

Signature of transporter

Bldg 202- Soil Staging Area, Cell A

Receiving facility

10/20/95

Date received

1332

Time received

10/20/95

Date of shipment

Time of shipment

MA E40038

Truck/Tractor registration

MA 12363

Trailer registration

67600 lbs/ 33.8 tons

Load size (cubic yards/tons)

LOAD #: 253

x M. Morrison

Signature of transporter

Bldg 202- Soil Staging Area, Cell A

Receiving facility

10/20/95

Date received

1321

Time received

10/20/95

Date of shipment

Time of shipment

MA 32588

Truck/Tractor registration

MA 27020

Trailer registration

58790 lbs/ 29.39 tons

Load size (cubic yards/tons)

LOAD #: 255

x J. Brown

Signature of transporter

Bldg 202- Soil Staging Area, Cell A

Receiving facility

10/20/95

Date received

1335

Time received

10/20/95

Date of shipment

Time of shipment

MA 22685

Truck/Tractor registration

MA 47499

Trailer registration

58880 lbs/ 29.44 tons

Load size (cubic yards/tons)

K Log Sheet Volume Information

247 550 lbs / 123.77 tons

Total volume this page (cubic yards/tons)

7,053,800 lbs / 3464.1 tons

Total carried forward (cubic yards/tons)

7301350 lbs / 3527.87 tons

Total carried forward and this page (cubic yards/tons)

3650.67

Page 31 of 35

**Material Shipping Record & Log**

Tracking Number

Bldg 2290

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

J Load Information

Note:
Make additional
copies of this
page as neces-
sary.

LOAD #: 256
x Nel Boz
Signature of transporter
Bldg 202- Soil Staging Area, Cell A
Receiving facility
10/20/95
Date received
1338
Time received
10/20/95
Date of shipment
Time of shipment
MA C34867
Truck/Tractor registration
MA 10207
Trailer registration
65720 lbs/ 32.86 tons
Load size (cubic yards/tons)

LOAD #: 257
x Dan
Signature of transporter
Bldg 202- Soil Staging Area, Cell A
Receiving facility
10/20/95
Date received
1342
Time received
10/20/95
Date of shipment
Time of shipment
MA B44609
Truck/Tractor registration
MA 21421
Trailer registration
57960 lbs/ 28.98 tons
Load size (cubic yards/tons)

LOAD #: 258
x M. Marco Monarri
Signature of transporter
Bldg 202- Soil Staging Area, Cell A
Receiving facility
10/20/95
Date received
1348
Time received
10/20/95
Date of shipment
Time of shipment
MA 32588
Truck/Tractor registration
MA 27020
Trailer registration
59550 lbs/ 29.78 tons
Load size (cubic yards/tons)

LOAD #: 259
x [Signature]
Signature of transporter
Bldg 202- Soil Staging Area, Cell A
Receiving facility
10/20/95
Date received
1359
Time received
10/20/95
Date of shipment
Time of shipment
MA E40038
Truck/Tractor registration
MA 12363
Trailer registration
68360 lbs/ 34.18 tons
Load size (cubic yards/tons)

K Log Sheet Volume Information

251590 lbs/ 125.8
Total volume this page (cubic yards/tons)
7301350 lbs/ 3527.87 tons
Total carried forward (cubic yards/tons)
7,552,940 lbs/ 3653.67 tons
Total carried forward and this page (cubic yards/tons)
3776.47

Page 32 of 35



Material Shipping Record & Log

Tracking Number

2 - 0662

Bldg 2290

For the shipment of contaminated soil, urban fill, and dredge materials **not** subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

J Load Information

Note:
Make additional
copies of this
page as neces-
sary.

LOAD #: 260
Signature of transporter: *[Signature]*
Receiving facility: Bldg 202- Soil Staging Area, Cell A
Date received: 10/20/95
Time received: 1400
Time of shipment: 10/20/95
Date of shipment: 1
Time of shipment: MA 22685
Truck/Tractor registration: MA 47499
Trailer registration: 67900 lbs/33.95
Load size (cubic yards/tons)

LOAD #: 261
Signature of transporter: *[Signature]*
Receiving facility: Bldg 202- Soil Staging Area, Cell A
Date received: 10/20/95
Time received: 1408
Time of shipment: 10/20/95
Date of shipment:
Time of shipment: MA B44609
Truck/Tractor registration: MA 21421
Trailer registration: 61020 lbs/30.51 tons
Load size (cubic yards/tons)

LOAD #: 262
Signature of transporter: *[Signature]*
Receiving facility: Bldg 202- Soil Staging Area, Cell A
Date received: 10/20/95
Time received: 1415
Time of shipment: 10/20/95
Date of shipment:
Time of shipment: MA C34867
Truck/Tractor registration: MA 10207
Trailer registration: 58940 lbs/29.47 tons
Load size (cubic yards/tons)

LOAD #: 263
Signature of transporter: *[Signature]*
Receiving facility: Bldg 202- Soil Staging Area, Cell A
Date received: 10/20/95
Time received: 1416
Time of shipment: 10/20/95
Date of shipment:
Time of shipment: MA 32588
Truck/Tractor registration: MA 27020
Trailer registration: 75710 lbs/37.86 tons
Load size (cubic yards/tons)

K Log Sheet Volume Information

263570 lbs/ 131.79 tons
Total volume this page (cubic yards/tons)
7552940 lbs/ 3776.47 tons
Total carried forward (cubic yards/tons)
7,816,510 lbs/ 3785.46 tons
Total carried forward and this page (cubic yards/tons)
3908.26

Page 33 of 35

**Material Shipping Record & Log**

Tracking Number

Rdg 2290

For the shipment of contaminated soil, urban fill, and dredge materials **not** subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

J Load Information

Note:
Make additional
copies of this
page as neces-
sary.

LOAD #: 264

X J. J. J.
Signature of transporter

B. 202 Soil Storage Area, Cell A

Receiving facility

10.23.95

Date received

0807

Time received

10.23.95

Date of shipment

Time of shipment

MA 22685

Truck/Tractor registration

MA 47499

Trailer registration

51,100 lbs / 25.55 ton

Load size (cubic yards/tons)

LOAD #: 266

X W. J. J.
Signature of transporter

B. 202 Soil Storage Area

Receiving facility

10.23.95

Date received

266

Time received

10.23.95

Date of shipment

Time of shipment

MA C34867

Truck/Tractor registration

MA 10207

Trailer registration

57,780 lbs. / 28.89 ton

Load size (cubic yards/tons)

LOAD #: 265

X Robert A Eaton
Signature of transporter

B. 202 Soil Storage Area, Cell A

Receiving facility

10.23.95

Date received

0809

Time received

10.23.95

Date of shipment

Time of shipment

MA 32588

Truck/Tractor registration

MA 27020

Trailer registration

50,290 lbs. / 25.14 ton

Load size (cubic yards/tons)

LOAD #: 267

X M. J. J.
Signature of transporter

B. 202 Soil Storage Area, Cell A

Receiving facility

10.23.95

Date received

0814

Time received

10.23.95

Date of shipment

Time of shipment

MA E40038

Truck/Tractor registration

MA 12863

Trailer registration

48,020 lbs. / 24.01 ton

Load size (cubic yards/tons)

K Log Sheet Volume Information

207,190 lbs. / 103.53 ton

Total volume this page (cubic yards/tons)

7,816,510 lbs. / 3785.46 tons

Total carried forward (cubic yards/tons)

8,023,700 lbs. / 3888.99 tons

Total carried forward and this page (cubic yards/tons)

Page 34 of 35



Material Shipping Record & Log

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials **not** subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000 B. 2290

J Load InformationLOAD #: 268

Signature of transporter

B. 202 - Cell A

Receiving facility

10.23.95

Date received

0828

Time received

10.23.95

Date of shipment

Time of shipment

MA B44609

Truck/Tractor registration

MA 21421

Trailer registration

47,760 lbs. / 23.88 ton

Load size (cubic yards/tons)

LOAD #: _____

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #: _____

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #: _____

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

K Log Sheet Volume Information47,760 lbs. / 23.88 ton

Total volume this page (cubic yards/tons)

8,023,700 lbs. / 3,888.46 tons

Total carried forward (cubic yards/tons)

8,071,460 / 3,912.84 tons

Total carried forward and this page (cubic yards/tons)

Page 35 of 35

Note:
Make additional
copies of this
page as neces-
sary.

Appendix I

Chemical Quality Assurance Report

RECORD OF TRANSMITTAL

CENED-ED-GL

10 April 1995

FOR Project Engineer, Mr. Mark Applebee
U.S. Army Corps of Engineer,
New England Division
424 Trapelo Rd.
Waltham, MA 02254-9149

SUBJECT: Fort Devens - Area 63BE, Chemical Quality
Assurance Report (CQAR)

1. References:

- a. Project No. E0251
- b. Contractor Data Report, Dated January 13, 1995.
- c. Memorandum, CEMRD-ED-GC, 16 Aug 1989, Subject: Minimum Chemistry Data Reporting Requirements for DERP and Superfund HTW Projects.

2. Two QA samples were analyzed, resulting in a total of 105 target analyte determinations. Results from analysis of QA samples were compared with results from analysis of the corresponding primary samples (ref 1b). Results of the comparison are as follows:

- a. The contractor's laboratory was Analytical Services Corporation, Findlay, OH, (ASC).
- b. Results from the primary and QA samples agreed overall in 97 (92%) of the comparisons.
- c. Results from the primary and QA samples agreed quantitatively in 23 (74%) of the comparisons.
- d. There were 4 (4%) major discrepancies between results from the primary and QA laboratory samples.
- e. There were 4 (4%) minor discrepancies between results from the primary and QA laboratory samples.

3. QA analyses were mostly performed in-house at the Environmental Laboratory. QA analyses were also performed at E3I, Sommerville, MA.

4. The CENED-ED-GL POC is Gary S. Rogowski, 508-928-4238.

Encl

CF (w/encl):

CEMP-RT Larry Becker

CEMRD-ED-EC Anand Mudambi

QA Findings

(Ft. Devens AREA 63BE)

1. QA sample shipping and chain-of-custody deficiencies.

One sample shipment of QA samples was received on December 21, 1994. Proper sample handling protocols were followed. The chain-of-custody documents and cooler receipt form are appended to this report for reference. All shipment information was faxed to Mr. Tim Coleman or Mr. Mark Applebee within 24 hours of receipt.

2. Data comparison for PAH.

There were 16 determinations. In 15 of these determinations PAH's were detected by the QA lab or contractor's lab. There was an overall agreement in 12 (75%) and 11 (77%) quantitative agreement of the cases. There was 1 (6%) major discrepancy and 3 (19%) minor discrepancies between the QA and contractor's laboratory.

In sample number 28781 a major discrepancy occurred where the contractor's lab reported 2870 ug/kg anthracene, while the QA lab reported J 36 ug/kg anthracene.

3. Data comparison for TPH.

There was 1 determination. In this determination TPH was detected by both the QA lab and contractor's lab. There was 100% agreement. No major or minor discrepancies were noted.

4. Data comparison for VOA.

There were 29 determinations. In 3 of these determinations VOA's were detected by the QA lab or contractor's laboratory. There was 100% agreement. No major or minor discrepancies were noted. The QA lab did not report the pH of the VOA samples for the verification of preservation.

5. Data comparison for Pesticides/PCB.

There were 21 determinations. In 7 of these determinations pest/PCB's were detected by the QA lab or contractor's laboratory. There was 100% agreement. No major or minor discrepancies were noted.

6. Data comparison for TCLP BNA.

There were 11 determinations. In 0 of these determinations BNA's were detected by the QA lab or contractor's laboratory.

There was 100% agreement. No major or minor discrepancies were noted.

7. Data comparison for TCLP Metals.

There were 8 determinations. In 5 of these determinations metals were detected by the QA lab or contractor's laboratory. There was an overall agreement in 4 (50%) and 1 (20%) quantitative agreement. There was 1 (12.5%) minor discrepancy and 3 (37.5%) major discrepancies between the QA lab and the contractor's laboratory.

In sample number 28783 three major discrepancies occurred where the contractor's lab reported 14.9 mg/l arsenic, 14.5 mg/l barium and 11.9 mg/l chromium, while the QA lab reported <0.004 mg/l arsenic, 0.56 mg/l barium and <0.011 mg/l chromium.

8. Data comparison for TCLP Pesticides.

There were 7 determinations. In 0 of these determinations pesticides were detected by the QA lab or contractor's laboratory. There was 100% agreement. There were no major or minor discrepancies noted.

9. Data comparison for TCLP VOA.

There were 10 determinations. In 0 of these determinations VOA's were detected by the QA lab or contractor's laboratory. There was 100% agreement. There were no major or minor discrepancies noted.

10. Data comparison for TCLP Herbicides.

There were 2 determinations. In these determinations no herbicides were detected by the QA lab or contractor's laboratory. There was 100% agreement. No major or minor discrepancies were noted.

10. Comments.

Contractor's data package was not in full compliance with Minimum Chemistry Data Reporting Requirements as sample receiving information, method numbers and surrogate recoveries for the organics were not provided. No trace metal results were provided by the QA lab thus, no data comparison was generated.

Quality Assurance Split Sample
Data Comparison Summary

Project: Ft. Devens - AREA 63BE

Test Parameter	Overall Agreement (1)		Quantitative Agreement (2)	
	Number	Percent	Number	Percent
PAH	12/16	75	11/15	73
Metals-TCLP	4/8	50	1/5	20
Pest-TCLP	7/7	100	0/0	N/A
Herb-TCLP	2/2	100	0/0	N/A
VOA-TCLP	10/10	100	0/0	N/A
BNA-TCLP	11/11	100	0/0	N/A
TPH	1/1	100	1/1	100
Pest/PCB	21/21	100	7/7	100
VOA	29/29	100	3/3	100
Total	97/105	92	23/31	74

NOTES:

- (1) Represents the number and percentage agreement of all determinations including analytes not detected by either laboratory.
- (2) Represents the number and percentage agreement of only those determinations where an analyte was detected by at least one laboratory.

APPENDIX B
KEY TO COMMENTS ON DATA COMPARISON TABLES

0 - Data agrees if any one of the following apply:

- both values are less than respective detection limit ($N < MDL$)
- $N_1 < MDL_1$ and $N_2 > MDL_2$ but $< MDL_1$
- both values are above respective detection limit ($N > MDL$) and difference between two values satisfies conditions below

Metals <2x difference for waters, TCLP extracts
 <3x difference for airs
 <10x difference for solids and oils

Semivolatiles <5x difference for all matrices
Volatiles
TPH, BTEX

Pesticides <5x difference for liquids
Herbicides <10x difference for solids
PCB's

Alkalinity <2x difference for all matrices
Hardness, Ammonia
(water quality, etc.)

- 1 - Minor contamination by laboratory contaminant
2 - Not tested by both laboratories
3 - Minor data discrepancy, disagreement not serious, if any one of the following apply:

- $N_1 < MDL_1$ and $N_2 > MDL_2$ and the difference between values N_2 and MDL_1 does not exceed the upper limit (described below) defining a minor data discrepancy
- both values are above respective detection limit ($N > MDL$) and conditions described below apply to the difference between the two values

Metals 2x < difference < 5x for waters, TCLP extracts
 10x < difference < 20x for solids, oils
 3x < difference < 5x for airs

Semivolatiles, 5x < difference < 10x for all matrices
VOA, TPH, BTEX

Pesticide/PCB 5x < difference < 10x for liquids
Herbicides 10x < difference < 20x for solids

Alkalinity 2x < difference < 5x for all matrices
Hardness, Ammonia
(water quality, etc.)

4 - Major data discrepancy, disagreement serious, if any one of the following apply:

- $N_1 < MDL_1$ and $N_2 > MDL_2$ and the difference between values N_2 and MDL_1 exceeds the limit (described below) defining a major data discrepancy
- both values are above respective detection limit ($N > MDL$) and conditions described below apply to the difference between the two values

Metals >5x difference for waters, TCLP extracts, airs
 >20x difference for solids, oils

Semivolatiles, >10x difference for all matrices
VOA, TPH, BTEX

Pesticide/PCB >10x difference for liquids
Herbicides >20x difference for solids

Alkalinity >5x difference for all matrices
Hardness, Ammonia
(water quality, etc.)

MDL = Method Detection Limit

N = Analytical result

Key to data qualifiers:

B - detected in method blank

J - estimated value, above MDL but below practical quantitation
 limit

NR - Not reported

COMPARISON OF QA & CONTRACTOR RESULTS
PROJECT: FORT DEVENS

PAGE 1 OF 2

QA SAMPLE NO.: 28781
QA FIELD ID: EX63BETRP
QA ANALYSIS DATE: 1/19/95

CONTRACTOR'S SAMPLE NO.: JN6449
CONTRACTOR'S FIELD ID: EX63BEDP5A
CONTRACTOR'S ANALYSIS DATE: NR

MATERIAL DESCRIPTION: Soil
DATE SAMPLED: 12/20/94
UNITS: UG/KG

PARAMETER	RESULTS		RESULTS		COMPARISON CODE
	QA LAB MDL	QA LAB	CONTRACTOR MDL	CONTRACTOR	
Naphthalene	< 360		NR	509	3
Acenaphthylene	< 360		NR	356	0
Acenaphthene	NR	J 46	NR	236	3
Fluorene	NR	J 120	NR	672	3
Phenanthrene	NR	J 320	NR	1050	0
Anthracene	NR	J 36	NR	2870	4
Fluoranthene	NR	J 93	NR	182	0
Pyrene	NR	J 71	NR	84	0
Benzo(a)anthracene	NR	J 45	<71		0
Chrysene	NR	J 55	<71		0
Benzo(b)fluoranthene	NR	J 62	<71		0
Benzo(k)fluoranthene	NR	J 55	<71		0
Benzo(a)pyrene	NR	J 47	<71		0
Indeno(1,2,3-cd)pyrene	NR	J 31	NR	NA	2
Dibenz(a,h)anthracene	< 360		<71		0
Benzo(g,h,i)perylene	NR	J 25	<71		0

SURROGATE RECOVERIES (%)

	QA	CONTRACTOR
Nitrobenzene-d5	69	NR
2-Fluorobiphenyl	92	NR
Terphenyl-d14	52	NR

* = SURROGATE RECOVERY OUTSIDE ACCEPTABLE RANGE

SEE APPENDIX B FOR KEY TO COMMENTS

PROJECT: FORT DEVENS

[illegible]

COMPARISON OF QA & CONTRACTOR RESULTS
PROJECT: FORT DEVENS

QA SAMPLE NO.: 28781
QA FIELD ID: EX63BETRP
QA ANALYSIS DATE: 2/15/95

CONTRACTOR'S SAMPLE NO.: JN6449
CONTRACTOR'S FIELD ID: EX63BEDP5A
CONTRACTOR'S ANALYSIS DATE: NR

MATERIAL DESCRIPTION: Soil
DATE SAMPLED: 12/20/94
UNITS: UG/KG

PARAMETER	QA LAB MDL	RESULTS QA LAB	CONTRACTOR MDL	RESULTS CONTRACTOR	COMPARISON CODE
Alpha-BHC	< 3.60		< 18		0
Gamma-BHC	< 3.60		< 18		0
Beta-BHC	< 3.60		< 18		0
Heptachlor	< 3.60		< 18		0
Delta-BHC	< 3.60		< 18		0
Aldrin	< 3.60		< 18		0
Heptachlor epoxide	< 0.05	J 1.8	< 18		0
Endosulfan I	< 3.60		< 18		0
4,4'-DDE	< 0.10	J 5.8	< 18		0
Dieldrin	< 0.10	J 1.2	< 18		0
Endrin	< 0.10	J 3.1	< 18		0
4,4'-DDD	< 0.10	15	< 18		0
Endosulfan II	< 0.10	J 3.4	< 18		0
4,4'-DDT	< 0.10	120	< 18	130	0
Endrin aldehyde	< 7.20		< 18		0
Endosulfan sulfate	< 7.20		< 18		0
Methoxychlor	< 36.00		< 18		0
Endrin ketone	< 7.20		< 18		0
Toxaphene	< 360.0		< 361		0
Chlordane	< 3.60		< 181		0
Total PCBs	< 82.0		< 181		0

SURROGATE RECOVERIES (%)

	QA	CONTRACTOR
TCMX (60-150)	54	NR
DCB (60-150)	100	NR

* = SURROGATE RECOVERY OUTSIDE ACCEPTABLE RANGE

SEE APPENDIX B FOR KEY TO COMMENTS

COMPARISON OF QA & CONTRACTOR RESULTS

PROJECT: FORT DEVENS

QA SAMPLE NO.: 28782
 QA FIELD ID: EX63BETPG
 QA ANALYSIS DATE: 12/28/94

CONTRACTOR'S SAMPLE NO.: JN6710
 CONTRACTOR'S FIELD ID: EX63BED5AG
 CONTRACTOR'S ANALYSIS DATE: NR

MATERIAL DESCRIPTION: Soil
 DATE SAMPLED: 12/20/94
 UNITS: UG/KG

PARAMETER	QA LAB MDL	RESULTS QA LAB	CONTRACTOR MDL	RESULTS CONTRACTOR	COMPARISON CODE
Chloromethane	< 25.0		NR		2
Vinyl chloride	< 37		< 13		0
Bromomethane	< 42		NR		2
Chloroethane	< 39		< 13		0
1,1-Dichloroethene	< 1.5		< 13		0
Acetone	< 5.5	B 170	< 13	57	0
Carbon disulfide	< 1.6		< 13		0
Methylene chloride	< 1.3	B 130	NR		2
1,2-Dichloroethene (total)	< 1.5		< 13		0
1,1-Dichloroethane	< 1.4		< 13		0
2-Butanone	< 4.2	J 9.7	< 13		0
Chloroform	< 1.5		< 13		0
1,1,1-Trichloroethane	< 1.0		< 13		0
Carbon tetrachloride	< 0.9		< 13		0
Benzene	< 1.7		< 13		0
1,2-Dichloroethane	< 1.1		< 13		0
Trichloroethene	< 1.5		< 13		0
1,2-Dichloropropane	< 1.2		< 13		0
Bromodichloromethane	< 1.0		< 13		0
4-Methyl-2-pentanone	< 3.9		< 26		0
cis-1,3-Dichloropropene	< 1.3		< 13		0
Toluene	< 1.5		< 13		0
trans-1,3-Dichloropropene	< 1.6		< 13		0
1,1,2-Trichloroethane	< 1.6		< 13		0
Tetrachloroethene	< 1.2		< 13		0
2-Hexanone	< 3.1		< 13		0
Dibromochloromethane	< 1.5		< 13		0
Chlorobenzene	< 2.0		< 13		0
Ethylbenzene	< 1.5	11	< 13	27	0
o/m/p-Xylenes	< 1.9	J 4.7	NR		2
Styrene	< 0.9		< 13		0
Bromoform	< 2.6		< 13		0
1,1,2,2-Tetrachloroethane	< 2.3		< 13		0

SURROGATE RECOVERIES (%)

	QA	CONTRACTOR
1,2-Dichloroethane D4 (76-114)	95	NR
Toluene D8 (88-110)	84	NR
4-Bromofluorobenzene (86-115)	*74	NR

* = SURROGATE RECOVERY OUTSIDE ACCEPTABLE RANGE

SEE APPENDIX B FOR KEY TO COMMENTS

COMPARISON OF QA & CONTRACTOR RESULTS

PROJECT: FORT DEVENS

QA SAMPLE NO.: 28783
 QA FIELD ID: EX63BETRP
 QA ANALYSIS DATE: 1/18/95

CONTRACTOR'S SAMPLE NO.: JN6449
 CONTRACTOR'S FIELD ID: EX63BEDP5A
 CONTRACTOR'S ANALYSIS DATE: NR

MATERIAL DESCRIPTION: TCLP EXTRACT

DATE SAMPLED: 12/20/94

UNITS: ug/L

PARAMETER	QA LAB MDL	RESULTS	CONTRACTOR MDL	RESULTS	COMPARISON CODE
		QA LAB		CONTRACTOR	
1,4-Dichlorobenzene	< 0.08		<100		0
2-Methylphenol	< 1.4		<100		0
4-Methylphenol	< 0.97		<100		0
Hexachloroethane	< 0.15		<100		0
Nitrobenzene	< 0.33		<100		0
Hexachlorobutadiene	< 0.11		<100		0
2,4,6-Trichlorophenol	< 1.5		<100		0
2,4,5-Trichlorophenol	< 1.4		<100		0
2,4-Dinitrotoluene	< 0.78		<100		0
Hexchlorobenzene	< 0.13		<100		0
Pentachlorophenol	< 31		<100		0
3-Methylphenol (m-cresol)	< 2.5		NR	NA	2

SURROGATE RECOVERIES (%)

	QA	CONTRACTOR
2-Fluorophenol (10-94)	77	NR
Phenol (21-100)	60	NR
Nitrobenzene-d5 (35-114)	*120	NR
2-Fluorobiphenyl (43-116)	105	NR
2,4,6-Tribromophenol (10-123)	89	NR
4-Terphenyl-d4 (33-141)	128	NR

SEE APPENDIX B FOR KEY TO COMMENTS

COMPARISON OF QA & CONTRACTOR RESULTS

PROJECT: FORT DEVENS

QA SAMPLE NO.: 28783
QA FIELD ID: EX63BETRP
QA ANALYSIS DATE: 3/23/95

CONTRACTOR'S SAMPLE NO.: JN6449
CONTRACTOR'S FIELD ID: EX63BEDP5A
CONTRACTOR'S ANALYSIS DATE: NR

MATERIAL DESCRIPTION: TCLP EXTRACT

DATE SAMPLED: 12/20/94

UNITS: MG/L

PARAMETER	QA LAB MDL	RESULTS		RESULTS		COMPARISON CODE
		QA LAB	CONTRACTOR MDL	CONTRACTOR		
Silver	< 0.010		<1.08			0
Arsenic	< 0.004		NR	14.9		4
Barium	< 0.006	0.56	NR	14.5		4
Cadmium	< 0.003		<1.08			0
Chromium	< 0.011		NR	11.9		4
Mercury	< 0.0002	0.0034	<0.050			0
Lead	< 0.840		NR	12.1		3
Selenium	< 0.260		<5.41			0

SEE APPENDIX B FOR KEY TO COMMENTS

COMPARISON OF QA & CONTRACTOR RESULTS

PROJECT: FORT DEVENS

QA SAMPLE NO.: 28783
QA FIELD ID: EX63BETRP
QA ANALYSIS DATE: 1/18/95

CONTRACTOR'S SAMPLE NO.: JH6449
CONTRACTOR'S FIELD ID: RX63BEDP5A
CONTRACTOR'S ANALYSIS DATE: NR

MATERIAL DESCRIPTION: TCLP EXTRACT

DATE SAMPLED: 12/20/94

UNITS: MG/L

PARAMETER	QA LAB MDL	RESULTS	CONTRACTOR MDL	RESULTS	COMPARISON CODE
		QA LAB		CONTRACTOR	
Gamma-BHC (Lindane)	< 0.01		< 0.002		0
Heptachlor	< 0.01		< 0.002		0
Heptachlor epoxide	< 0.01		< 0.002		0
Endrin	< 0.02		< 0.002		0
Methoxychlor	< 0.10		< 0.002		0
Chlordane	< 0.10		< 0.020		0
Toxaphene	< 1.0		< 0.040		0

SURROGATE RECOVERIES (%)

	QA	CONTRACTOR
TCMX (60-150)	86	NR
DCB (60-150)	115	NR

* = SURROGATE RECOVERY OUTSIDE ACCEPTABLE RANGE

SEE APPENDIX B FOR KEY TO COMMENTS

COMPARISON OF QA & CONTRACTOR RESULTS
PROJECT: FORT DEVENS

QA SAMPLE NO.: 38783
QA FIELD ID: EX63BETRP
QA ANALYSIS DATE: 1/25/95

CONTRACTOR'S SAMPLE NO.: JN6710
CONTRACTOR'S FIELD ID: EX63BED5AG
CONTRACTOR'S ANALYSIS DATE: NR

MATERIAL DESCRIPTION: TCLP EXTRACT
DATE SAMPLED: 12/20/94
UNITS: MG/L

PARAMETER	QA LAB MDL	RESULTS	CONTRACTOR MDL	RESULTS	COMPARISON CODE
		QA LAB		CONTRACTOR	
Vinyl chloride	< 10.0		<0.125		0
1,1-Dichloroethene	< 5		<0.125		0
Chloroform	< 5		<0.125		0
1,2-Dichloroethane	< 5		<0.125		0
2-Butanone	< 10.0		<0.125		0
Carbon tetrachloride	< 5.0		<0.125		0
Benzene	< 5.0		<0.125		0
Trichloroethene	< 5.0		<0.125		0
Tetrachloroethene	< 5.0		<0.125		0
Chlorobenzene	< 5.0		<0.125		0
Pyridine	< 1.6	NR	<0.100		2

SURROGATE RECOVERIES (%)

	QA	CONTRACTOR
1,2-Dichloroethane D4 (76-114)	101	NR
Toluene D8 (88-110)	100	NR
4-Bromofluorobenzene (86-115)	102	NR

* = SURROGATE RECOVERY OUTSIDE ACCEPTABLE RANGE

SEE APPENDIX B FOR KEY TO COMMENTS

COMPARISON OF QA & CONTRACTOR RESULTS
PROJECT: FORT DEVENS

QA SAMPLE NO.: 28783
QA FIELD ID: EX63BETRP
QA ANALYSIS DATE: 1/25/95

CONTRACTOR'S SAMPLE NO.: JN6449
CONTRACTOR'S FIELD ID: EX63BEDP5A
CONTRACTOR'S ANALYSIS DATE: NR

MATERIAL DESCRIPTION: TCLP EXTRACT
DATE SAMPLED: 12/20/94
UNITS: UG/L

PARAMETER	QA LAB MDL	RESULTS	CONTRACTOR MDL	RESULTS	COMPARISON CODE
		QA LAB		CONTRACTOR	
2,4-D	< 15.0		<250		0
2,4,5-TP	< 3.10		<250		0

SEE APPENDIX B FOR KEY TO COMMENTS



OHM Corporation

CHAIN-OF-CUSTODY RECORD

E0251

Form 0019
Field Technical Services
Rev. 08/89

No. 107770

D.H. MATERIALS CORP.		P.O. BOX 551		FINDLAY, OH 45839-0551		419-423-3526	
PROJECT NAME Ft Devers				PROJECT LOCATION Ayer, Mass			
PROJ. NO. 16208		PROJECT CONTACT Mike Quinlan		PROJECT TELEPHONE NO. (508) 772-2019			
CLIENT'S REPRESENTATIVE				PROJECT MANAGER/SUPERVISOR			

ITEM NO	SAMPLE NUMBER	DATE	TIME	COMP	GRAB	SAMPLE DESCRIPTION (INCLUDE MATRIX AND POINT OF SAMPLE)	NUMBER OF CONTAINERS	ANALYSIS DESIRED (INDICATE SEPARATE CONTAINERS)	REMARKS
878	EX63BETRA	12/20/94	0958	✓		Grey sand and hard brown clay mixture, lots of cobble	5X40Z	<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Total Volatiles</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Full TCLP</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">PAH</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">PCBs/Pesticides</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Refr metals</div> </div>	Duplicate of EX63BEDPS and EX63BEDPUP
879	EX63BETRPG	12/20/94	0930	✓		Grey clay and yellowish brown sand, lots of cobble, TPK shell	2X40ml von	<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Total Volatiles</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Full TCLP</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">PAH</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">PCBs/Pesticides</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Refr metals</div> </div>	Duplicate of EX63BEDSAG and EX63BEDUPG
3									
4									
5									
6									
7									
8									
9									
10									

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME	REMARKS
1	182	EA Blum	Fed Ex Airbill	12/20/94	1700	Preserved at 4°C Temp blank included
2		FedEx	Chafin	12/21/94	1200	
3						
4						

SAMPLER'S SIGNATURE: EA Blum

LAB COPY

CENED-ED-GL
SAMPLE CONTAINER RECEIPT FORM

REVISION

OBJECT: CONTAMINATED SOIL F7 DIVISIONS

Project #: E0254
Work Order #: 94-352

Container received on 12-21-94 and inspected on 12-21-94 by: CLB/fur

Temperature 23 °C. Temperature taken on 12-21-94 (date)

Shipper _____ Shipper # 2989315925
(USM, UPS, DHL, FEDEX, P/C, AIR EXP, HAND-DELIVERED)

Container type (Cooler, box, envelope, etc.) _____

Were custody seals on outside of container?

N/A Yes No

How many & where: 3/AROUND, seal date: 12-20-94, seal name: SIGNATURE

Were custody papers taped to lid inside container?

N/A Yes No

Custody papers properly filled out? (ink, signed, etc.)

Yes No

Was project and project # identifiable from custody papers?

Yes No

Did you sign custody papers in appropriate place?

Yes No

Did you attach shipper's packing form to this form?

N/A Yes No

Packing material (peanuts, vermiculite, bubble wrap, paper, cans, other)

Were all samples sealed in separate plastic bags?

N/A Yes No

Did all samples arrive in good condition?

Yes No

Sample labels complete? (#, date, analysis, preservation, sign.)

Yes No

Were correct sample containers used for tests indicated?

N/A Yes No

Were correct preservatives used? (TM pH____, CN- pH____)

N/A Yes No

(TOC pH____, NUTRIENT pH____, TOX pH____, TPH pH____, OTHER pH____)

Were VOA vials bubble-free (H₂O) or no headspace (soil)?

N/A Yes No

Was sufficient amount of sample sent in each container?

Yes No

Did all sample labels agree with custody papers?

Yes No

Were air volumes noted for air samples?

N/A Yes No

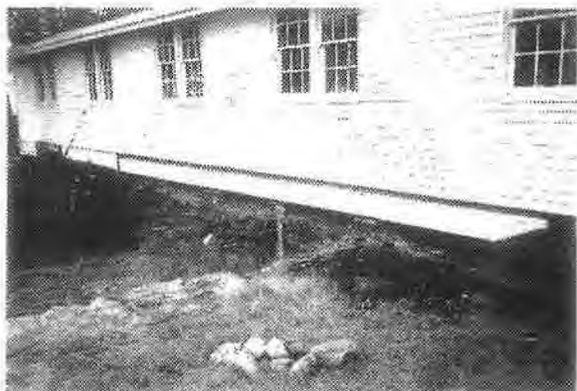
Were initial weights noted for pre-weighed filters?

N/A Yes No

Discrepancies: _____

Appendix J
Site Photographs

AREE 63BE



Initial excavation



Contaminated soils located underneath building 2290



Demolition of building 2290



Screen sample locations



Water collection system

AREE 63BE



Frac tanks for water collection



Removal of contaminated soil from excavation



Staging area for contaminated soil



Soil boring activities surrounding the excavation



Soil sample collection from split spoon sampler

AREE 63BE



Confirmation sampling locations



Clean soil from North Post Barrow



Backfilling of excavation



Site restoration