*** Lab Analysis Report ***

==> Transaction #: 07181104 Laboratory: (RX) EPA, Manchester

Work Group: (51) VOA - PP Scan (GCMS)

Instrument: (GCMS-E1) EPA1 GC/MS INCOS-5100 Capillary Colu

Method: (EP2-624) GC/MS Purge and Trap Scan

Chemist: (LAB) Lab (General R/O) Hours Worked:

Project: HWD-127A RIDGEFIELD BRICK AND TILE Prg Ele#: AGDD3A

Prj Off: Bailey, Marsha HWD Analysis Due: 910329 Revised Due:

*** Sample Records in Transaction ***

Seq#	Sample #	QA	Date/Time	Description	Alternate Keys		
01	91130168	LBK3	910328 1125	RB-TD15-01			

USEPA RCRA
3057942

Record Type: TRNIN3 Date Verified: 7/19/91 By: [signature]
Transaction Status: New Transaction...First Printing...Unverified.
Processed: 18-JUL-91 11:49:54 Status: N Batch: (In CUR DB)

V.KY 0/0

*** Lab Analysis Report ***

Transaction #: 07181104 Seq #: 01 (51) VOA - PP Scan (GCMS)
Proj Code : HWD-127A RIDGEFIELD BRICK AND TILE PE # : AGDD3A

Blank ID : BW1101
Sample No.: 91 130168 Alternate Keys:

Samp Matrix: (10) Water-Total Units: (11) ug/l %Slds:
QA Code: (LBK3) Lab Blank Sample #3 Peaks Total:
Date Extracted: Date Analyzed: 910411 # Days to Ext/Anal: 0/ 14

Line	Par #	Parameter Description	Units	Value
1	74873	Chloromethane	ug/l	0.5U
2	75718	Methane, Dichlorodifluoro-	ug/l	0.5U
3	74839	Bromomethane	ug/l	0.5U
4	75014	Vinyl Chloride	ug/l	0.5U
5	75003	Chloroethane	ug/l	0.5U
6	75694	Trichlorofluoromethane	ug/l	0.5U
7	75092	Methylene Chloride	ug/l	2
8	67641	Acetone	ug/l	8
9	75150	Carbon Disulfide	ug/l	0.5U
10	75354	1,1-Dichloroethene	ug/l	0.5U
11	75343	1,1-Dichloroethane	ug/l	0.5U
12	156605	trans-1,2-Dichloroethene	ug/l	0.5U
13	156592	Cis-1,2-Dichloroethene	ug/l	0.5U
14	590207	2,2-Dichloropropane	ug/l	0.5U
15	74975	Bromochloromethane	ug/l	0.5U
16	67663	Chloroform	ug/l	0.5U
17	107062	1,2-Dichloroethane	ug/l	0.5U
18	78933	2-Butanone	ug/l	4
19	71556	1,1,1-Trichloroethane	ug/l	0.5U
20	56235	Carbon Tetrachloride	ug/l	0.5U
21	563586	1,1-Dichloropropene	ug/l	0.5U
22	75274	Bromodichloromethane	ug/l	0.5U
23	78875	1,2-Dichloropropane	ug/l	0.5U
24	74953	Dibromomethane	ug/l	0.5U
25	10061026	trans-1,3-Dichloropropene	ug/l	0.5U
26	79016	Trichloroethene	ug/l	0.5U
27	124481	Dibromochloromethane	ug/l	0.5U
28	106934	1,2-Dibromoethane (EDB)	ug/l	0.5U
29	79005	1,1,2-Trichloroethane	ug/l	0.5U
30	142289	1,3-Dichloropropane	ug/l	0.5U
31	71432	Benzene	ug/l	0.5U
32	10061015	cis-1,3-Dichloropropene	ug/l	0.5U
33	75252	Bromoform	ug/l	0.5U
34	591786	2-Hexanone	ug/l	0.5U
35	108101	4-Methyl-2-Pentanone	ug/l	0.5U
36	127184	Tetrachloroethene	ug/l	0.5U
37	79345	ETHANE, 1,1,2,2-TETRACHLORO-	ug/l	0.5U
38	630206	Ethane, 1,1,1,2-Tetrachloro-	ug/l	0.5U
39	108883	Toluene	ug/l	0.5U
40	108907	Chlorobenzene	ug/l	0.5U
41	100414	Ethylbenzene	ug/l	0.5U
42	100425	BENZENE, ETHENYL-(STYRENE)	ug/l	0.5U
43	108861	Bromobenzene	ug/l	0.5U
44	96184	1,2,3-Trichloropropane	ug/l	0.5U
45	95498	2-Chlorotoluene	ug/l	0.5U
46	106434	4-Chlorotoluene	ug/l	0.5U
47	1330207	Total Xylenes	ug/l	0.5U
48	95636	1,2,4-Trimethylbenzene	ug/l	0.5U
49	98066	Tert-Butylbenzene	ug/l	0.5U
50	108678	1,3,5-Trimethylbenzene	ug/l	0.5U

(continued on next page)

Transaction #: 07181104 Seq #: 01 (51) VOA - PP Scan (GCMS)

Sample No.: 91 130168 (continued from previous page)

Line	Par #	Parameter Description	Units	Value	
51	135988	Sec-Butylbenzene	ug/l	0.5U	
52	99876	p-Isopropyltoluene	ug/l	0.5U	
53	104518	Butylbenzene	ug/l	0.5U	
54	96128	1,2-Dibromo-3-chloropropane	ug/l	0.5U	
55	87616	1,2,3-Trichlorobenzene	ug/l	0.3J	
56	98828	Isopropylbenzene (Cumene)	ug/l	0.5U	
57	103651	BENZENE, PROPYL-	ug/l	0.5U	
58	541731	1,3-Dichlorobenzene	ug/l	0.5U	
59	106467	1,4-Dichlorobenzene	ug/l	0.5U	
60	95501	1,2-Dichlorobenzene	ug/l	0.5U	
61	120821	1,2,4-Trichlorobenzene	ug/l	0.3J	
62	91203	Naphthalene	ug/l	0.4J	
63	87683	Hexachlorobutadiene	ug/l	0.5U	
64	-762492	Surrog: 1-Bromo-2-Fluoroetha	% Recov	91	(Surr) PR
65	2747582	d8-Toluene	% Recov	94	(Surr) PR
66	-460004	p-Bromofluorobenzene	% Recov	98	(Surr) PR
67	-17070070	1,2-Dichloroethane-d4 (SS)	% Recov	98	(Surr) PR
68	-2199691	d4-1,2-Dichlorobenzene (ss)	% Recov	NAF	(Surr) PR

ABW1101 91130168

EPA Laboratory Management System
(51) VOA - PP Scan (GCMS)

Sample: ~~91130127~~
Method: EP2-624 GC/MS Purge and Trap Scan
Project: TEC-537A BOISE CASCADE; ST. HELEN'S, OR
Station:
Source:(34) Industrial Effluent

Also report with Ridgefield

Matrix:(10) Water-Total
Officer: Tangarone, Dan
Account: BCMM912
Field Prep:(__) Unknown

Collected: 91/ 03/ 25
Received: 91/ 03/ 27

Comments:

Extracted: __/__/__ Extractor: Weight/Volume Extracted:

Analyzed: 4/11/91 13:41 Analyst: SVP Percent Solids:

Reviewed: __/__/__ By: Final Review: 5/14/91 By: JMB

IBM Report: __/__/__ By:

Sample Volume (ml): 10 ml
Volume Water Aliquated (ml):
Dilution Factor: 2m
Tape Identification: 9 X-1991-5100-EPA#1
Tape File Number: 22

Standard Run: ABW1101
Std. Stock Solution #:
Background Run: ABW1101
Calibration Run:
Extraction Solvent:

Initial Vol. Extraction Solv.(ml):
Volume Extract Aliquated (ul):
Total Volume Purged (ml): 5
Dilution Factor:

Purge Temp. (deg. C): Ambient-H2O
Purge Flow (ml/min): 40
Purge Time (min): 11

Desorb Temp.(deg. C): 220
Desorb Flow (ml/min): 12
Desorb Time (min): 4

Cryo Trap Temp. (deg. C): -150
Cryo Trap Time (min): 4

Instrument: Finnigan
Carrier Gas: Helium
Gas Flow Rate (ml/min): 2
Run Time (min): 20

Column Coating , Film Thickness: DB-624, ____ u
Column Inside Diameter (mm):
Column Length (M): 30
Column Tubing Material: Fused Silica

Start Mass (AMU): 35
AMU/sec: 270
Stop Mass (AMU): 300

Temperature 1,2 (deg. C): 10 , 102
Time 1,2 (min): 2 , 11.5
Ramp Rate 1,2 (deg. C/min): Hold , 8
Temperature 3,4 (deg. C): 120 , 180
Time 3,4 (min): 1 , 5.3
Ramp Rate 3,4 (deg. C/min): 60 , Hold

Injection Port Temp. (deg. C): 200
GC/MS Ionization Mode: E I
Data Acquisition Mode: Acquire
Mass Analyzer (deg. C): 100
Beam Energy (EV): 70
Vacuum (Torr): 0.00001 (10^-5)

(End of Form) 28-MAR-91 11:07 91130127

Sample Number
A91BW11Ø1

LBK3 9/13/68

ORGANICS ANALYSIS DATA SHEET
(Page 1)

Laboratory Name: MANCHESTER LAB
Lab Sample ID No: BLANK
Sample Matrix: WATER
Data Release Authorized By:

Case No: TEC-537A/1Ø11
QC Report No:
Contract No: BCMM912
Date Sample Received: Ø3/25/91

VOLATILE COMPOUNDS

Concentration:
Date Extracted/Prepared:
Date Analyzed: Ø4/11/91
Conc Factor: 1Ø.ØØØØØ pH
Percent Moisture: (Not Decanted)

CAS Number		ug/L	CAS Number		ug/L
74-87-3	Chloromethane	Ø.5U	127-18-4	Tetrachloroethene	Ø.5U
75-71-8	Dichlorodifluoromethane	Ø.5U	79-34-5	1,1,2,2-Tetrachloroethane	Ø.5U
74-83-9	Bromomethane	Ø.5U	63Ø-2Ø-6	1,1,1,2-Tetrachloroethane	Ø.5U
75-Ø1-4	Vinyl Chloride	Ø.5U	1Ø8-88-3	Toluene	Ø.5U
75-ØØ-3	Chloroethane	Ø.5U	1Ø8-9Ø-7	Chlorobenzene	Ø.5U
75-69-4	Trichlorofluoromethane	Ø.5U	1ØØ-41-4	Ethylbenzene	Ø.5U
75-Ø9-2	Methylene Chloride	2	1ØØ-42-5	Styrene	Ø.5U
67-64-1	Acetone	3	1Ø8-86-1	Bromobenzene	Ø.5U
75-15-Ø	Carbon Disulfide	Ø.5U	96-18-4	1,2,3-Trichloropropane	Ø.5U
75-35-4	1,1-Dichloroethene	Ø.5U	95-49-8	2-Chlorotoluene	Ø.5U
75-34-3	1,1-Dichloroethane	Ø.5U	1Ø6-43-4	4-Chlorotoluene	Ø.5U
156-6Ø-5	Trans-1,2-Dichloroethene	Ø.5U	133Ø-2Ø-7	Total Xylenes	Ø.5U
156-59-2	Cis-1,2-Dichloroethene	Ø.5U	95-63-6	1,2,4-Trimethylbenzene	Ø.5U
59Ø-2Ø-7	2,2-Dichloropropane	Ø.5U	98-Ø6-6	Tert-Butylbenzene	Ø.5U
74-97-5	Bromochloromethane	Ø.5U	1Ø8-67-8	1,3,5-Trimethylbenzene	Ø.5U
67-66-3	Chloroform	Ø.5U	135-98-8	Sec-Butylbenzene	Ø.5U
1Ø7-Ø6-2	1,2-Dichloroethane	Ø.5U	99-87-6	p-Isopropyltoluene	Ø.5U
78-93-3	2-Butanone	4	1Ø4-51-8	Butylbenzene	Ø.5U
71-55-6	1,1,1-Trichloroethane	Ø.5U	96-12-8	1,2-Dibromo-3-chloropropane	Ø.5U
56-23-5	Carbon Tetrachloride	Ø.5U	87-61-6	1,2,3-Trichlorobenzene	Ø.3J
563-58-6	1,1-Dichloropropene	Ø.5U	98-82-8	Isopropylbenzene	Ø.5U
75-27-4	Bromodichloromethane	Ø.5U	1Ø3-65-1	Propylbenzene	Ø.5U
78-87-5	1,2-Dichloropropane	Ø.5U		~~Total Xylenes~~	~~Ø.5U~~
74-95-3	Dibromomethane	Ø.5U	541-73-1	1,3-Dichlorobenzene	Ø.5U
1ØØ61-Ø2-6	Trans-1,3-Dichloropropene	Ø.5U	1Ø6-46-7	1,4-Dichlorobenzene	Ø.5U
79-Ø1-6	Trichloroethene	Ø.5U	95-5Ø-1	1,2-Dichlorobenzene	Ø.5U
124-48-1	Dibromochloromethane	Ø.5U	12Ø-82-1	1,2,4-Trichlorobenzene	Ø.3J
1Ø6-93-4	1,2-Dibromoethane	Ø.5U	91-2Ø-3	Naphthalene	Ø.4J
79-ØØ-5	1,1,2-Trichloroethane	Ø.5U	87-68-3	Hexachlorobutadiene	Ø.5U
142-28-9	1,3-Dichloropropane	Ø.5U			%
71-43-2	Benzene	Ø.5U	-762492	1-Bromo-2-Fluoroethane (SS)	91
1ØØ61-Ø1-5	cis-1,3-Dichloropropene	Ø.5U	2747-58-2	Toluene (d8) (SS)	94
75-25-2	Bromoform	Ø.5U	-46Ø-ØØ-4	p-Bromofluorobenzene (SS)	98
591-78-6	2-Hexanone	Ø.5U	17Ø7Ø-Ø7-Ø	1,2-Dichloroethane-d4 (SS)	98
1Ø8-1Ø-1	4-Methyl-2-Pentanone	Ø.5U	2199-69-1	1,2-Dichlorobenzene-d4 (SS	NAF

B - Compound was detected in the QC blank.
J - The numerical value is an estimated quantity.
U - Compound analyzed for but not detected. The reported value is the minimum sample PQL.

07181104-01

Form I

JUL 11 RECD

MANCHESTER LAB
TEC-537A/1011

Sample Number
A91BW1101

TENTATIVELY IDENTIFIED COMPOUNDS
(Page 4)

CAS Number	Compound Name	Fraction	Scan Num	Estimated Conc ug/L

No volatile compounds found.
No semi-volatile compounds found.

See page 1A for complete definitions of the data reporting qualifiers.

Form I

JUL 11 REC'D