*** Lab Analysis Report ***

==> Transaction #: 07179902 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	91130150		910327 1115	RB-B15-01			
02	91130152		910327 1230	RB-B4-01			
03	91130152	LMX1	910327 1230	RB-B4-01			
04	91130152	LMX2	910327 1230	RB-B4-01			
05	91130154		910327 1245	RB-B10-01			
06	91130156		910327 1500	RB-B5-01			
07	91130158		910327 1520	RB-B6-01			
08	91130160		910327 0900	RB-B20-01			
09	91130161		910328 1200	RB-B25-01			
10	91130162		910328 0945	RB-TD1-01			
11	91130164		910328 1040	RB-TD2-01			
12	91130166		910328 0955	RB-TD10-01			
13	91130168		910328 1125	RB-TD15-01			
14	91130168	LBK1	910328 1125	RB-TD15-01			
15	91130168	LBK2	910328 1125	RB-TD15-01			

USEPA RCRA
3057943

Record Type: TRNIN3 Date Verified: 7/18/91 By: _____
Transaction Status: Edited Transaction...First Printing...Unverified.
Processed: 18-JUL-91 11:50:21 Status: E Batch: (In CUR DB)

V.Kly 0/0

*** Lab Analysis Report ***

Transaction #: 07179902 Seq #: 01 (51) VOA - PP Scan (GCMS)
Proj Code : HWD-127A RIDGEFIELD BRICK AND TILE PE # : AGDD3A

Sample No.: 91 130150 Alternate Keys:

Samp Matrix: (10) Water-Total Units: (11) ug/l %Slds: ____
QA Code: ( ) Unspecifed Peaks Total: ____
Date Extracted: Date Analyzed: 910409 # Days to Ext/Anal: 07/ 13

Line	Par #	Parameter Description	Units	Value
1	74873	Chloromethane	ug/l	1U
2	75718	Methane, Dichlorodifluoro-	ug/l	1U
3	74839	Bromomethane	ug/l	1U
4	75014	Vinyl Chloride	ug/l	0.04J
5	75003	Chloroethane	ug/l	1U
6	75694	Trichlorofluoromethane	ug/l	0.1J
7	75092	Methylene Chloride	ug/l	1U
8	67641	Acetone	ug/l	12U
9	75150	Carbon Disulfide	ug/l	1U
10	75354	1,1-Dichloroethene	ug/l	1U
11	75343	1,1-Dichloroethane	ug/l	1U
12	156605	trans-1,2-Dichloroethene	ug/l	1U
13	156592	Cis-1,2-Dichloroethene	ug/l	1U
14	590207	2,2-Dichloropropane	ug/l	1U
15	74975	Bromochloromethane	ug/l	1U
16	67663	Chloroform	ug/l	1U
17	107062	1,2-Dichloroethane	ug/l	0.4J
18	78933	2-Butanone	ug/l	2.6U
19	71556	1,1,1-Trichloroethane	ug/l	1U
20	56235	Carbon Tetrachloride	ug/l	1U
21	563586	1,1-Dichloropropene	ug/l	1U
22	75274	Bromodichloromethane	ug/l	1U
23	78875	1,2-Dichloropropane	ug/l	1U
24	74953	Dibromomethane	ug/l	1U
25	10061026	trans-1,3-Dichloropropene	ug/l	1U
26	79016	Trichloroethene	ug/l	1U
27	124481	Dibromochloromethane	ug/l	1U
28	106934	1,2-Dibromoethane (EDB)	ug/l	1U
29	79005	1,1,2-Trichloroethane	ug/l	1U
30	142289	1,3-Dichloropropane	ug/l	1U
31	71432	Benzene	ug/l	1U
32	10061015	cis-1,3-Dichloropropene	ug/l	1U
33	75252	Bromoform	ug/l	1U
34	591786	2-Hexanone	ug/l	1U
35	108101	4-Methyl-2-Pentanone	ug/l	1U
36	127184	Tetrachloroethene	ug/l	1U
37	79345	ETHANE, 1,1,2,2-TETRACHLORO-	ug/l	1U
38	630206	Ethane, 1,1,1,2-Tetrachloro-	ug/l	1U
39	108883	Toluene	ug/l	1U
40	108907	Chlorobenzene	ug/l	1U
41	100414	Ethylbenzene	ug/l	1U
42	100425	BENZENE, ETHENYL-(STYRENE)	ug/l	1U
43	108861	Bromobenzene	ug/l	1U
44	96184	1,2,3-Trichloropropane	ug/l	1U
45	95498	2-Chlorotoluene	ug/l	1U
46	106434	4-Chlorotoluene	ug/l	1U
47	1330207	Total Xylenes	ug/l	1U
48	95636	1,2,4-Trimethylbenzene	ug/l	1U
49	98066	Tert-Butylbenzene	ug/l	1U
50	108678	1,3,5-Trimethylbenzene	ug/l	1U

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Transaction #: 07179902 Seq #: 01 (51) VOA - PP Scan (GCMS)

Sample No.: 91 130150 (continued from previous page)

Line	Par #	Parameter Description	Units	Value	
51	135988	Sec-Butylbenzene	ug/l	1U	
52	99876	p-Isopropyltoluene	ug/l	1U	
53	104518	Butylbenzene	ug/l	1U	
54	96128	1,2-Dibromo-3-chloropropane	ug/l	1U	
55	87616	1,2,3-Trichlorobenzene	ug/l	1U	
56	98828	Isopropylbenzene (Cumene)	ug/l	1U	
57	103651	BENZENE, PROPYL-	ug/l	1U	
58	541731	1,3-Dichlorobenzene	ug/l	1U	
59	106467	1,4-Dichlorobenzene	ug/l	1U	
60	95501	1,2-Dichlorobenzene	ug/l	1U	
61	120821	1,2,4-Trichlorobenzene	ug/l	1U	
62	91203	Naphthalene	ug/l	1U	
63	87683	Hexachlorobutadiene	ug/l	1U	
64	-762492	Surrog: 1-Bromo-2-Fluoroetha	% Recov	106	(Surr) PR
65	2747582	d8-Toluene	% Recov	99	(Surr) PR
66	-460004	p-Bromofluorobenzene	% Recov	100	(Surr) PR
67	-17070070	1,2-Dichloroethane-d4 (SS)	% Recov	101	(Surr) PR
68	-2199691	d4-1,2-Dichlorobenzene (ss)	% Recov	NAF	(Surr) PR

*** Lab Analysis Report ***

Transaction #: 07179902 Seq #: 02 (51) VOA - PP Scan (GCMS)
Proj Code : HWD-127A RIDGEFIELD BRICK AND TILE PE # : AGDD3A

Sample No.: 91 130152 Alternate Keys:

Samp Matrix: (10) Water-Total Units: (11) ug/l %Slds: ____
QA Code: ( ) Unspecifed Peaks Total: ____
Date Extracted: Date Analyzed: 910409 # Days to Ext/Anal: 0/ 13

Line	Par #	Parameter Description	Units	Value
1	74873	Chloromethane	ug/l	1U
2	75718	Methane, Dichlorodifluoro-	ug/l	1U
3	74839	Bromomethane	ug/l	1U
4	75014	Vinyl Chloride	ug/l	1U
5	75003	Chloroethane	ug/l	1U
6	75694	Trichlorofluoromethane	ug/l	1U
7	75092	Methylene Chloride	ug/l	1U
8	67641	Acetone	ug/l	1U
9	75150	Carbon Disulfide	ug/l	1U
10	75354	1,1-Dichloroethene	ug/l	1UJ
11	75343	1,1-Dichloroethane	ug/l	1U
12	156605	trans-1,2-Dichloroethene	ug/l	1U
13	156592	Cis-1,2-Dichloroethene	ug/l	1U
14	590207	2,2-Dichloropropane	ug/l	1U
15	74975	Bromochloromethane	ug/l	1U
16	67663	Chloroform	ug/l	1U
17	107062	1,2-Dichloroethane	ug/l	0.8J
18	78933	2-Butanone	ug/l	1U
19	71556	1,1,1-Trichloroethane	ug/l	1U
20	56235	Carbon Tetrachloride	ug/l	1U
21	563586	1,1-Dichloropropene	ug/l	1U
22	75274	Bromodichloromethane	ug/l	1U
23	78875	1,2-Dichloropropane	ug/l	1U
24	74953	Dibromomethane	ug/l	1U
25	10061026	trans-1,3-Dichloropropene	ug/l	1U
26	79016	Trichloroethene	ug/l	1U
27	124481	Dibromochloromethane	ug/l	1U
28	106934	1,2-Dibromoethane (EDB)	ug/l	1U
29	79005	1,1,2-Trichloroethane	ug/l	1U
30	142289	1,3-Dichloropropane	ug/l	1U
31	71432	Benzene	ug/l	1U
32	10061015	cis-1,3-Dichloropropene	ug/l	1U
33	75252	Bromoform	ug/l	1U
34	591786	2-Hexanone	ug/l	1U
35	108101	4-Methyl-2-Pentanone	ug/l	1U
36	127184	Tetrachloroethene	ug/l	1U
37	79345	ETHANE, 1,1,2,2-TETRACHLORO-	ug/l	1U
38	630206	Ethane, 1,1,1,2-Tetrachloro-	ug/l	1U
39	108883	Toluene	ug/l	1U
40	108907	Chlorobenzene	ug/l	1U
41	100414	Ethylbenzene	ug/l	1U
42	100425	BENZENE, ETHENYL-(STYRENE)	ug/l	1U
43	108861	Bromobenzene	ug/l	1U
44	96184	1,2,3-Trichloropropane	ug/l	1U
45	95498	2-Chlorotoluene	ug/l	1U
46	106434	4-Chlorotoluene	ug/l	1U
47	1330207	Total Xylenes	ug/l	1U
48	95636	1,2,4-Trimethylbenzene	ug/l	1U
49	98066	Tert-Butylbenzene	ug/l	1U
50	108678	1,3,5-Trimethylbenzene	ug/l	1U

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Transaction #: 07179902 Seq #: 02 (51) VOA - PP Scan (GCMS)

Sample No.: 91 130152 (continued from previous page)

Line	Par #	Parameter Description	Units	Value	
51	135988	Sec-Butylbenzene	ug/l	1U	
52	99876	p-Isopropyltoluene	ug/l	1U	
53	104518	Butylbenzene	ug/l	1U	
54	96128	1,2-Dibromo-3-chloropropane	ug/l	1U	
55	87616	1,2,3-Trichlorobenzene	ug/l	1U	
56	98828	Isopropylbenzene (Cumene)	ug/l	1U	
57	103651	BENZENE, PROPYL-	ug/l	1U	
58	541731	1,3-Dichlorobenzene	ug/l	1U	
59	106467	1,4-Dichlorobenzene	ug/l	1U	
60	95501	1,2-Dichlorobenzene	ug/l	1U	
61	120821	1,2,4-Trichlorobenzene	ug/l	1U	
62	91203	Naphthalene	ug/l	1U	
63	87683	Hexachlorobutadiene	ug/l	1U	
64	-762492	Surrog: 1-Bromo-2-Fluoroetha	% Recov	111	(Surr) PR
65	2747582	d8-Toluene	% Recov	100	(Surr) PR
66	-460004	p-Bromofluorobenzene	% Recov	98	(Surr) PR
67	-17070070	1,2-Dichloroethane-d4 (SS)	% Recov	104	(Surr) PR
68	-2199691	d4-1,2-Dichlorobenzene (ss)	% Recov	NAF	(Surr) PR

*** Lab Analysis Report ***

Transaction #: 07179902 Seq #: 03 (51) VOA - PP Scan (GCMS)
Proj Code : HWD-127A RIDGEFIELD BRICK AND TILE PE # : AGDD3A

Sample No.: 91 130152 Alternate Keys:

Samp Matrix: (10) Water-Total Units: (94) % Recov %Slds: ____
QA Code: (LMX1) Lab Mtrx Spike #1 (% Rec Peaks Total: ____
Date Extracted: Date Analyzed: 910411 # Days to Ext/Anal: 07/ 15

Line	Par #	Parameter Description	Units	Value
1	74873	Chloromethane	% Recov	55
2	75718	Methane, Dichlorodifluoro-	% Recov	58
3	74839	Bromomethane	% Recov	59
4	75014	Vinyl Chloride	% Recov	58
5	75003	Chloroethane	% Recov	70
6	75694	Trichlorofluoromethane	% Recov	57
7	75092	Methylene Chloride	% Recov	96
8	67641	Acetone	% Recov	150
9	75150	Carbon Disulfide	% Recov	58
10	75354	1,1-Dichloroethene	% Recov	75
11	75343	1,1-Dichloroethane	% Recov	38
12	156605	trans-1,2-Dichloroethene	% Recov	30
13	156592	Cis-1,2-Dichloroethene	% Recov	34
14	590207	2,2-Dichloropropane	% Recov	36
15	74975	Bromochloromethane	% Recov	36
16	67663	Chloroform	% Recov	39
17	107062	1,2-Dichloroethane	% Recov	48
18	78933	2-Butanone	% Recov	33
19	71556	1,1,1-Trichloroethane	% Recov	38
20	56235	Carbon Tetrachloride	% Recov	34
21	563586	1,1-Dichloropropene	% Recov	31
22	75274	Bromodichloromethane	% Recov	36
23	78875	1,2-Dichloropropane	% Recov	34
24	74953	Dibromomethane	% Recov	90
25	10061026	trans-1,3-Dichloropropene	% Recov	78
26	79016	Trichloroethene	% Recov	38
27	124481	Dibromochloromethane	% Recov	33
28	106934	1,2-Dibromoethane (EDB)	% Recov	38
29	79005	1,1,2-Trichloroethane	% Recov	37
30	142289	1,3-Dichloropropane	% Recov	35
31	71432	Benzene	% Recov	34
32	10061015	cis-1,3-Dichloropropene	% Recov	79
33	75252	Bromoform	% Recov	90
34	591786	2-Hexanone	% Recov	90
35	108101	4-Methyl-2-Pentanone	% Recov	98
36	127184	Tetrachloroethene	% Recov	38
37	79345	ETHANE, 1,1,2,2-TETRACHLORO-	% Recov	38
38	630206	Ethane, 1,1,1,2-Tetrachloro-	% Recov	39
39	108883	Toluene	% Recov	37
40	108907	Chlorobenzene	% Recov	36
41	100414	Ethylbenzene	% Recov	30
42	100425	BENZENE, ETHENYL-(STYRENE)	% Recov	30
43	108861	Bromobenzene	% Recov	36
44	96184	1,2,3-Trichloropropane	% Recov	30
45	95498	2-Chlorotoluene	% Recov	37
46	106434	4-Chlorotoluene	% Recov	38
47	1330207	Total Xylenes	% Recov	30
48	95636	1,2,4-Trimethylbenzene	% Recov	34
49	98066	Tert-Butylbenzene	% Recov	31
50	108678	1,3,5-Trimethylbenzene	% Recov	31

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Transaction #: 07179902 Seq #: 03 (51) VOA - PP Scan (GCMS)

Sample No.: 91 130152 (continued from previous page)

Line	Par #	Parameter Description	Units	Value	
51	135988	Sec-Butylbenzene	% Recov	78	
52	99876	p-Isopropyltoluene	% Recov	81	
53	104518	Butylbenzene	% Recov	83	
54	96128	1,2-Dibromo-3-chloropropane	% Recov	99	
55	87616	1,2,3-Trichlorobenzene	% Recov	112	
56	98828	Isopropylbenzene (Cumene)	% Recov	80	
57	103651	BENZENE, PROPYL-	% Recov	82	
58	541731	1,3-Dichlorobenzene	% Recov	90	
59	106467	1,4-Dichlorobenzene	% Recov	92	
60	95501	1,2-Dichlorobenzene	% Recov	87	
61	120821	1,2,4-Trichlorobenzene	% Recov	106	
62	91203	Naphthalene	% Recov	125	
63	87683	Hexachlorobutadiene	% Recov	90	
64	-762492	Surrog: 1-Bromo-2-Fluoroetha	% Recov	107	(Surr) PR
65	2747582	d8-Toluene	% Recov	98	(Surr) PR
66	-460004	p-Bromofluorobenzene	% Recov	99	(Surr) PR
67	-17070070	1,2-Dichloroethane-d4 (SS)	% Recov	101	(Surr) PR
68	-2199691	d4-1,2-Dichlorobenzene (ss)	% Recov	NAF	(Surr) PR

*** Lab Analysis Report ***

Transaction #: 07179902 Seq #: 04 (51) VOA - PP Scan (GCMS)
Proj Code : HWD-127A RIDGEFIELD BRICK AND TILE PE # : AGDD3A

Sample No.: 91 130152 Alternate Keys:

Samp Matrix: (10) Water-Total Units: (94) % Recov %Slds: ____
QA Code: (LMX2) Lab Mtrx Spike #2 (% Rec Peaks Total: ____
Date Extracted: Date Analyzed: 910411 # Days to Ext/Anal: 0/ 15

Line	Par #	Parameter Description	Units	Value
1	74873	Chloromethane	% Recov	80
2	75718	Methane, Dichlorodifluoro-	% Recov	37
3	74839	Bromomethane	% Recov	94
4	75014	Vinyl Chloride	% Recov	80
5	75003	Chloroethane	% Recov	91
6	75694	Trichlorofluoromethane	% Recov	96
7	75092	Methylene Chloride	% Recov	123
8	67641	Acetone	% Recov	126
9	75150	Carbon Disulfide	% Recov	85
10	75354	1,1-Dichloroethene	% Recov	90
11	75343	1,1-Dichloroethane	% Recov	94
12	156605	trans-1,2-Dichloroethene	% Recov	90
13	156592	Cis-1,2-Dichloroethene	% Recov	84
14	590207	2,2-Dichloropropane	% Recov	90
15	74975	Bromochloromethane	% Recov	88
16	67663	Chloroform	% Recov	88
17	107062	1,2-Dichloroethane	% Recov	45
18	78933	2-Butanone	% Recov	78
19	71556	1,1,1-Trichloroethane	% Recov	83
20	56235	Carbon Tetrachloride	% Recov	86
21	563586	1,1-Dichloropropene	% Recov	80
22	75274	Bromodichloromethane	% Recov	82
23	78875	1,2-Dichloropropane	% Recov	80
24	74953	Dibromomethane	% Recov	78
25	10061026	trans-1,3-Dichloropropene	% Recov	72
26	79016	Trichloroethene	% Recov	82
27	124481	Dibromochloromethane	% Recov	80
28	106934	1,2-Dibromoethane (EDB)	% Recov	78
29	79005	1,1,2-Trichloroethane	% Recov	78
30	142289	1,3-Dichloropropane	% Recov	78
31	71432	Benzene	% Recov	80
32	10061015	cis-1,3-Dichloropropene	% Recov	75
33	75252	Bromoform	% Recov	84
34	591786	2-Hexanone	% Recov	78
35	108101	4-Methyl-2-Pentanone	% Recov	83
36	127184	Tetrachloroethene	% Recov	83
37	79345	ETHANE, 1,1,2,2-TETRACHLORO-	% Recov	84
38	630206	Ethane, 1,1,1,2-Tetrachloro-	% Recov	84
39	108883	Toluene	% Recov	81
40	108907	Chlorobenzene	% Recov	86
41	100414	Ethylbenzene	% Recov	81
42	100425	BENZENE, ETHENYL-(STYRENE)	% Recov	82
43	108861	Bromobenzene	% Recov	87
44	96184	1,2,3-Trichloropropane	% Recov	80
45	95498	2-Chlorotoluene	% Recov	88
46	106434	4-Chlorotoluene	% Recov	86
47	1330207	Total Xylenes	% Recov	81
48	95636	1,2,4-Trimethylbenzene	% Recov	83
49	98066	Tert-Butylbenzene	% Recov	82
50	108678	1,3,5-Trimethylbenzene	% Recov	80

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Transaction #: 07179902 Seq #: 04 (51) VOA - PP Scan (GCMS)

Sample No.: 91 130152 (continued from previous page)

Line	Par #	Parameter Description	Units	Value	
51	135988	Sec-Butylbenzene	% Recov	80	
52	99876	p-Isopropyltoluene	% Recov	80	
53	104518	Butylbenzene	% Recov	80	
54	96128	1,2-Dibromo-3-chloropropane	% Recov	93	
55	87616	1,2,3-Trichlorobenzene	% Recov	102	
56	98828	Isopropylbenzene (Cumene)	% Recov	80	
57	103651	BENZENE, PROPYL-	% Recov	84	
58	541731	1,3-Dichlorobenzene	% Recov	88	
59	106467	1,4-Dichlorobenzene	% Recov	90	
60	95501	1,2-Dichlorobenzene	% Recov	88	
61	120821	1,2,4-Trichlorobenzene	% Recov	96	
62	91203	Naphthalene	% Recov	98	
63	87683	Hexachlorobutadiene	% Recov	92	
64	-762492	Surrog: 1-Bromo-2-Fluoroetha	% Recov	98	(Surr) PR
65	2747582	d8-Toluene	% Recov	96	(Surr) PR
66	-460004	p-Bromofluorobenzene	% Recov	101	(Surr) PR
67	-17070070	1,2-Dichloroethane-d4 (SS)	% Recov	98	(Surr) PR
68	-2199691	d4-1,2-Dichlorobenzene (ss)	% Recov	NAF	(Surr) PR

*** Lab Analysis Report ***

Transaction #: 07179902 Seq #: 05 (51) VOA - PP Scan (GCMS)
Proj Code : HWD-127A RIDGEFIELD BRICK AND TILE PE # : AGDD3A

Sample No.: 91 130154 Alternate Keys:

Samp Matrix: (10) Water-Total Units: (11) ug/l %Slds: ____
QA Code: ( ) Unspecifed Peaks Total: ____
Date Extracted: Date Analyzed: 910409 # Days to Ext/Anal: 0/ 13

Line	Par #	Parameter Description	Units	Value
1	74873	Chloromethane	ug/l	0.05J
2	75718	Methane, Dichlorodifluoro-	ug/l	1U
3	74839	Bromomethane	ug/l	1U
4	75014	Vinyl Chloride	ug/l	1U
5	75003	Chloroethane	ug/l	1U
6	75694	Trichlorofluoromethane	ug/l	1U
7	75092	Methylene Chloride	ug/l	1U
8	67641	Acetone	ug/l	1U
9	75150	Carbon Disulfide	ug/l	0.2J
10	75354	1,1-Dichloroethene	ug/l	1U
11	75343	1,1-Dichloroethane	ug/l	1U
12	156605	trans-1,2-Dichloroethene	ug/l	1U
13	156592	Cis-1,2-Dichloroethene	ug/l	1U
14	590207	2,2-Dichloropropane	ug/l	1U
15	74975	Bromochloromethane	ug/l	1U
16	67663	Chloroform	ug/l	1U
17	107062	1,2-Dichloroethane	ug/l	0.2J
18	78933	2-Butanone	ug/l	1U
19	71556	1,1,1-Trichloroethane	ug/l	1U
20	56235	Carbon Tetrachloride	ug/l	1U
21	563586	1,1-Dichloropropene	ug/l	1U
22	75274	Bromodichloromethane	ug/l	1U
23	78875	1,2-Dichloropropane	ug/l	1U
24	74953	Dibromomethane	ug/l	1U
25	10061026	trans-1,3-Dichloropropene	ug/l	1U
26	79016	Trichloroethene	ug/l	1U
27	124481	Dibromochloromethane	ug/l	1U
28	106934	1,2-Dibromoethane (EDB)	ug/l	1U
29	79005	1,1,2-Trichloroethane	ug/l	1U
30	142289	1,3-Dichloropropane	ug/l	1U
31	71432	Benzene	ug/l	1U
32	10061015	cis-1,3-Dichloropropene	ug/l	1U
33	75252	Bromoform	ug/l	1U
34	591786	2-Hexanone	ug/l	1U
35	108101	4-Methyl-2-Pentanone	ug/l	1U
36	127184	Tetrachloroethene	ug/l	1U
37	79345	ETHANE, 1,1,2,2-TETRACHLORO-	ug/l	1U
38	630206	Ethane, 1,1,1,2-Tetrachloro-	ug/l	1U
39	108883	Toluene	ug/l	1U
40	108907	Chlorobenzene	ug/l	1U
41	100414	Ethylbenzene	ug/l	1U
42	100425	BENZENE, ETHENYL-(STYRENE)	ug/l	1U
43	108861	Bromobenzene	ug/l	1U
44	96184	1,2,3-Trichloropropane	ug/l	1U
45	95498	2-Chlorotoluene	ug/l	1U
46	106434	4-Chlorotoluene	ug/l	1U
47	1330207	Total Xylenes	ug/l	1U
48	95636	1,2,4-Trimethylbenzene	ug/l	1U
49	98066	Tert-Butylbenzene	ug/l	1U
50	108678	1,3,5-Trimethylbenzene	ug/l	1U

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*** Lab Analysis Report ***

Transaction #: 07179902 Seq #: 05 (51) VOA - PP Scan (GCMS)

Sample No.: 91 130154 (continued from previous page)

Line	Par #	Parameter Description	Units	Value	
51	135988	Sec-Butylbenzene	ug/l	1U	
52	99876	p-Isopropyltoluene	ug/l	1U	
53	104518	Butylbenzene	ug/l	1U	
54	96128	1,2-Dibromo-3-chloropropane	ug/l	1U	
55	87616	1,2,3-Trichlorobenzene	ug/l	1U	
56	98828	Isopropylbenzene (Cumene)	ug/l	1U	
57	103651	BENZENE, PROPYL-	ug/l	1U	
58	541731	1,3-Dichlorobenzene	ug/l	1U	
59	106467	1,4-Dichlorobenzene	ug/l	1U	
60	95501	1,2-Dichlorobenzene	ug/l	1U	
61	120821	1,2,4-Trichlorobenzene	ug/l	1U	
62	91203	Naphthalene	ug/l	1U	
63	87683	Hexachlorobutadiene	ug/l	1U	
64	-762492	Surrog: 1-Bromo-2-Fluoroetha	% Recov	120	(Surr) PR
65	2747582	d8-Toluene	% Recov	100	(Surr) PR
66	-460004	p-Bromofluorobenzene	% Recov	96	(Surr) PR
67	-17070070	1,2-Dichloroethane-d4 (SS)	% Recov	108	(Surr) PR
68	-2199691	d4-1,2-Dichlorobenzene (ss)	% Recov	NAF	(Surr) PR

*** Lab Analysis Report ***

Transaction #: 07179902 Seq #: 06 (51) VOA + PP Scan (GCMS)
Proj Code : HWD-127A RIDGEFIELD BRICK AND TILE PE # : AGDD3A

Sample No.: 91 130156 Alternate Keys:

Samp Matrix: (10) Water-Total Units: (11) ug/l %Slds: ____
QA Code: ( ) Unspecifed Peaks Total: ____
Date Extracted: Date Analyzed: 910409 # Days to Ext/Anal: 0/ 13

Line	Par #	Parameter Description	Units	Value
1	74873	Chloromethane	ug/l	0.1J
2	75718	Methane, Dichlorodifluoro-	ug/l	1U
3	74839	Bromomethane	ug/l	1U
4	75014	Vinyl Chloride	ug/l	1U
5	75003	Chloroethane	ug/l	1U
6	75694	Trichlorofluoromethane	ug/l	1U
7	75092	Methylene Chloride	ug/l	1U
8	67641	Acetone	ug/l	1U
9	75150	Carbon Disulfide	ug/l	1U
10	75354	1,1-Dichloroethene	ug/l	1U
11	75343	1,1-Dichloroethane	ug/l	1U
12	156605	trans-1,2-Dichloroethene	ug/l	1U
13	156592	Cis-1,2-Dichloroethene	ug/l	1U
14	590207	2,2-Dichloropropane	ug/l	1U
15	74975	Bromochloromethane	ug/l	1U
16	67663	Chloroform	ug/l	0.1J
17	107062	1,2-Dichloroethane	ug/l	0.5J
18	78933	2-Butanone	ug/l	1.1U
19	71556	1,1,1-Trichloroethane	ug/l	1U
20	56235	Carbon Tetrachloride	ug/l	1U
21	563586	1,1-Dichloropropene	ug/l	1U
22	75274	Bromodichloromethane	ug/l	1U
23	78875	1,2-Dichloropropane	ug/l	1U
24	74953	Dibromomethane	ug/l	1U
25	10061026	trans-1,3-Dichloropropene	ug/l	1U
26	79016	Trichloroethene	ug/l	1U
27	124481	Dibromochloromethane	ug/l	1U
28	106934	1,2-Dibromoethane (EDB)	ug/l	1U
29	79005	1,1,2-Trichloroethane	ug/l	1U
30	142289	1,3-Dichloropropane	ug/l	1U
31	71432	Benzene	ug/l	1U
32	10061015	cis-1,3-Dichloropropene	ug/l	1U
33	75252	Bromoform	ug/l	1U
34	591786	2-Hexanone	ug/l	1U
35	108101	4-Methyl-2-Pentanone	ug/l	1U
36	127184	Tetrachloroethene	ug/l	1U
37	79345	ETHANE, 1,1,2,2-TETRACHLORO-	ug/l	1U
38	630206	Ethane, 1,1,1,2-Tetrachloro-	ug/l	1U
39	108883	Toluene	ug/l	1U
40	108907	Chlorobenzene	ug/l	1U
41	100414	Ethylbenzene	ug/l	1U
42	100425	BENZENE, ETHENYL-(STYRENE)	ug/l	1U
43	108861	Bromobenzene	ug/l	1U
44	96184	1,2,3-Trichloropropane	ug/l	1U
45	95498	2-Chlorotoluene	ug/l	1U
46	106434	4-Chlorotoluene	ug/l	1U
47	1330207	Total Xylenes	ug/l	1U
48	95636	1,2,4-Trimethylbenzene	ug/l	1U
49	98066	Tert-Butylbenzene	ug/l	1U
50	108678	1,3,5-Trimethylbenzene	ug/l	1U

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*** Lab Analysis Report ***

Transaction #: 07179902 Seq #: 06 (51) VOA - PP Scan (GCMS)

Sample No.: 91 130156 (continued from previous page)

Line	Par #	Parameter Description	Units	Value	
51	135988	Sec-Butylbenzene	ug/l	1U	
52	99876	p-Isopropyltoluene	ug/l	1U	
53	104518	Butylbenzene	ug/l	1U	
54	96128	1,2-Dibromo-3-chloropropane	ug/l	1U	
55	87616	1,2,3-Trichlorobenzene	ug/l	1U	
56	98828	Isopropylbenzene (Cumene)	ug/l	1U	
57	103651	BENZENE, PROPYL-	ug/l	1U	
58	541731	1,3-Dichlorobenzene	ug/l	1U	
59	106467	1,4-Dichlorobenzene	ug/l	1U	
60	95501	1,2-Dichlorobenzene	ug/l	1U	
61	120821	1,2,4-Trichlorobenzene	ug/l	1U	
62	91203	Naphthalene	ug/l	1U	
63	87683	Hexachlorobutadiene	ug/l	1U	
64	-762492	Surrog: 1-Bromo-2-Fluoroetha	% Recov	118	(Surr) PR
65	2747582	d8-Toluene	% Recov	101	(Surr) PR
66	-460004	p-Bromofluorobenzene	% Recov	101	(Surr) PR
67	-17070070	1,2-Dichloroethane-d4 (SS)	% Recov	111	(Surr) PR
68	-2199691	d4-1,2-Dichlorobenzene (ss)	% Recov	NAF	(Surr) PR

*** Lab Analysis Report ***

Transaction #: 07179902 Seq #: 07 (51) VOA - PP Scan (GCMS)
Proj Code : HWD-127A RIDGEFIELD BRICK AND TILE PE # : AGDD3A

Sample No.: 91 130158 Alternate Keys:

Samp Matrix: (10) Water-Total Units: (11) ug/l %Slds: ____
QA Code: ( ) Unspecifed Peaks Total: ____
Date Extracted: Date Analyzed: 910409 # Days to Ext/Anal: 07/ 13

Line	Par #	Parameter Description	Units	Value
1	74873	Chloromethane	ug/l	1U
2	75718	Methane, Dichlorodifluoro-	ug/l	1U
3	74839	Bromomethane	ug/l	1U
4	75014	Vinyl Chloride	ug/l	1U
5	75003	Chloroethane	ug/l	1U
6	75694	Trichlorofluoromethane	ug/l	1U
7	75092	Methylene Chloride	ug/l	1U
8	67641	Acetone	ug/l	1U
9	75150	Carbon Disulfide	ug/l	1.6U
10	75354	1,1-Dichloroethene	ug/l	1U
11	75343	1,1-Dichloroethane	ug/l	1U
12	156605	trans-1,2-Dichloroethene	ug/l	1U
13	156592	Cis-1,2-Dichloroethene	ug/l	1U
14	590207	2,2-Dichloropropane	ug/l	1U
15	74975	Bromochloromethane	ug/l	1U
16	67663	Chloroform	ug/l	1U
17	107062	1,2-Dichloroethane	ug/l	1U
18	78933	2-Butanone	ug/l	1U
19	71556	1,1,1-Trichloroethane	ug/l	1U
20	56235	Carbon Tetrachloride	ug/l	1U
21	563586	1,1-Dichloropropene	ug/l	1U
22	75274	Bromodichloromethane	ug/l	1U
23	78875	1,2-Dichloropropane	ug/l	1U
24	74953	Dibromomethane	ug/l	1U
25	10061026	trans-1,3-Dichloropropene	ug/l	1U
26	79016	Trichloroethene	ug/l	1U
27	124481	Dibromochloromethane	ug/l	1U
28	106934	1,2-Dibromoethane (EDB)	ug/l	1U
29	79005	1,1,2-Trichloroethane	ug/l	1U
30	142289	1,3-Dichloropropane	ug/l	1U
31	71432	Benzene	ug/l	1U
32	10061015	cis-1,3-Dichloropropene	ug/l	1U
33	75252	Bromoform	ug/l	1U
34	591786	2-Hexanone	ug/l	1U
35	108101	4-Methyl-2-Pentanone	ug/l	1U
36	127184	Tetrachloroethene	ug/l	1U
37	79345	ETHANE, 1,1,2,2-TETRACHLORO-	ug/l	1U
38	630206	Ethane, 1,1,1,2-Tetrachloro-	ug/l	1U
39	108883	Toluene	ug/l	1U
40	108907	Chlorobenzene	ug/l	1U
41	100414	Ethylbenzene	ug/l	1U
42	100425	BENZENE, ETHENYL-(STYRENE)	ug/l	1U
43	108861	Bromobenzene	ug/l	1U
44	96184	1,2,3-Trichloropropane	ug/l	1U
45	95498	2-Chlorotoluene	ug/l	1U
46	106434	4-Chlorotoluene	ug/l	1U
47	1330207	Total Xylenes	ug/l	1U
48	95636	1,2,4-Trimethylbenzene	ug/l	1U
49	98066	Tert-Butylbenzene	ug/l	1U
50	108678	1,3,5-Trimethylbenzene	ug/l	1U

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Transaction #: 07179902 Seq #: 07 (51) VOA - PP Scan (GCMS)

Sample No.: 91 130158 (continued from previous page)

Line	Par #	Parameter Description	Units	Value	
51	135988	Sec-Butylbenzene	ug/l	1U	
52	99876	p-Isopropyltoluene	ug/l	1U	
53	104518	Butylbenzene	ug/l	1U	
54	96128	1,2-Dibromo-3-chloropropane	ug/l	1U	
55	87616	1,2,3-Trichlorobenzene	ug/l	1U	
56	98828	Isopropylbenzene (Cumene)	ug/l	1U	
57	103651	BENZENE, PROPYL-	ug/l	1U	
58	541731	1,3-Dichlorobenzene	ug/l	1U	
59	106467	1,4-Dichlorobenzene	ug/l	1U	
60	95501	1,2-Dichlorobenzene	ug/l	1U	
61	120821	1,2,4-Trichlorobenzene	ug/l	1U	
62	91203	Naphthalene	ug/l	1U	
63	87683	Hexachlorobutadiene	ug/l	1U	
64	-762492	Surrog: 1-Bromo-2-Fluoroetha	% Recov	122	(Surr) PR
65	2747582	d8-Toluene	% Recov	98	(Surr) PR
66	-460004	p-Bromofluorobenzene	% Recov	100	(Surr) PR
67	-17070070	1,2-Dichloroethane-d4 (SS)	% Recov	111	(Surr) PR
68	-2199691	d4-1,2-Dichlorobenzene (ss)	% Recov	NAF	(Surr) PR

*** Lab Analysis Report ***

Transaction #: 07179902 Seq #: 08 (51) VOA - PP Scan (GCMS)
Proj Code : HWD-127A RIDGEFIELD BRICK AND TILE PE # : AGDD3A

Sample No.: 91 130160 Alternate Keys:

Samp Matrix: (10) Water-Total Units: (11) ug/l %Slds: ____
QA Code: ( ) Unspecifed Peaks Total: ____
Date Extracted: Date Analyzed: 910410 # Days to Ext/Anal: 0/ 14

Line	Par #	Parameter Description	Units	Value
1	74873	Chloromethane	ug/l	1U
2	75718	Methane, Dichlorodifluoro-	ug/l	1U
3	74839	Bromomethane	ug/l	1U
4	75014	Vinyl Chloride	ug/l	1U
5	75003	Chloroethane	ug/l	1U
6	75694	Trichlorofluoromethane	ug/l	1U
7	75092	Methylene Chloride	ug/l	1U
8	67641	Acetone	ug/l	1U
9	75150	Carbon Disulfide	ug/l	1U
10	75354	1,1-Dichloroethene	ug/l	1U
11	75343	1,1-Dichloroethane	ug/l	1U
12	156605	trans-1,2-Dichloroethene	ug/l	1U
13	156592	Cis-1,2-Dichloroethene	ug/l	1U
14	590207	2,2-Dichloropropane	ug/l	1U
15	74975	Bromochloromethane	ug/l	1U
16	67663	Chloroform	ug/l	0.04J
17	107062	1,2-Dichloroethane	ug/l	1U
18	78933	2-Butanone	ug/l	1U
19	71556	1,1,1-Trichloroethane	ug/l	1U
20	56235	Carbon Tetrachloride	ug/l	1U
21	563586	1,1-Dichloropropene	ug/l	1U
22	75274	Bromodichloromethane	ug/l	1U
23	78875	1,2-Dichloropropane	ug/l	1U
24	74953	Dibromomethane	ug/l	1U
25	10061026	trans-1,3-Dichloropropene	ug/l	1U
26	79016	Trichloroethene	ug/l	1U
27	124481	Dibromochloromethane	ug/l	1U
28	106934	1,2-Dibromoethane (EDB)	ug/l	1U
29	79005	1,1,2-Trichloroethane	ug/l	1U
30	142289	1,3-Dichloropropane	ug/l	1U
31	71432	Benzene	ug/l	1U
32	10061015	cis-1,3-Dichloropropene	ug/l	1U
33	75252	Bromoform	ug/l	1U
34	591786	2-Hexanone	ug/l	1U
35	108101	4-Methyl-2-Pentanone	ug/l	1U
36	127184	Tetrachloroethene	ug/l	1U
37	79345	ETHANE, 1,1,2,2-TETRACHLORO-	ug/l	1U
38	630206	Ethane, 1,1,1,2-Tetrachloro-	ug/l	1U
39	108883	Toluene	ug/l	1U
40	108907	Chlorobenzene	ug/l	1U
41	100414	Ethylbenzene	ug/l	1U
42	100425	BENZENE, ETHENYL-(STYRENE)	ug/l	1U
43	108861	Bromobenzene	ug/l	1U
44	96184	1,2,3-Trichloropropane	ug/l	1U
45	95498	2-Chlorotoluene	ug/l	1U
46	106434	4-Chlorotoluene	ug/l	1U
47	1330207	Total Xylenes	ug/l	1U
48	95636	1,2,4-Trimethylbenzene	ug/l	1U
49	98066	Tert-Butylbenzene	ug/l	1U
50	108678	1,3,5-Trimethylbenzene	ug/l	1U

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Transaction #: 07179902 Seq #: 08 (51) VOA - PP Scan (GCMS)

Sample No.: 91 130160 (continued from previous page)

Line	Par #	Parameter Description	Units	Value	
51	135988	Sec-Butylbenzene	ug/l	1U	
52	99876	p-Isopropyltoluene	ug/l	1U	
53	104518	Butylbenzene	ug/l	1U	
54	96128	1,2-Dibromo-3-chloropropane	ug/l	1U	
55	87616	1,2,3-Trichlorobenzene	ug/l	1U	
56	98828	Isopropylbenzene (Cumene)	ug/l	1U	
57	103651	BENZENE, PROPYL-	ug/l	1U	
58	541731	1,3-Dichlorobenzene	ug/l	1U	
59	106467	1,4-Dichlorobenzene	ug/l	1U	
60	95501	1,2-Dichlorobenzene	ug/l	1U	
61	120821	1,2,4-Trichlorobenzene	ug/l	1U	
62	91203	Naphthalene	ug/l	1U	
63	87683	Hexachlorobutadiene	ug/l	1U	
64	-762492	Surrog: 1-Bromo-2-Fluoroetha	% Recov	89	(Surr) PR
65	2747582	d8-Toluene	% Recov	91	(Surr) PR
66	-460004	p-Bromofluorobenzene	% Recov	100	(Surr) PR
67	-17070070	1,2-Dichloroethane-d4 (SS)	% Recov	95	(Surr) PR
68	-2199691	d4-1,2-Dichlorobenzene (ss)	% Recov	NAF	(Surr) PR

*** Lab Analysis Report ***

Transaction #: 07179902 Seq #: 09 (51) VOA - PP Scan (GCMS)
Proj Code : HWD-127A RIDGEFIELD BRICK AND TILE PE # : AGDD3A

Sample No.: 91 130161 Alternate Keys:

Samp Matrix: (10) Water-Total Units: (11) ug/l %Slds: ____
QA Code: ( ) Unspecifed Peaks Total: ____
Date Extracted: Date Analyzed: 910410 # Days to Ext/Anal: 0/ 13

Line	Par #	Parameter Description	Units	Value
1	74873	Chloromethane	ug/l	1U
2	75718	Methane, Dichlorodifluoro-	ug/l	1U
3	74839	Bromomethane	ug/l	1U
4	75014	Vinyl Chloride	ug/l	1U
5	75003	Chloroethane	ug/l	1U
6	75694	Trichlorofluoromethane	ug/l	1U
7	75092	Methylene Chloride	ug/l	1U
8	67641	Acetone	ug/l	1U
9	75150	Carbon Disulfide	ug/l	1U
10	75354	1,1-Dichloroethene	ug/l	1U
11	75343	1,1-Dichloroethane	ug/l	1U
12	156605	trans-1,2-Dichloroethene	ug/l	1U
13	156592	Cis-1,2-Dichloroethene	ug/l	1U
14	590207	2,2-Dichloropropane	ug/l	1U
15	74975	Bromochloromethane	ug/l	1U
16	67663	Chloroform	ug/l	4.6
17	107062	1,2-Dichloroethane	ug/l	1U
18	78933	2-Butanone	ug/l	1U
19	71556	1,1,1-Trichloroethane	ug/l	1U
20	56235	Carbon Tetrachloride	ug/l	1U
21	563586	1,1-Dichloropropene	ug/l	1U
22	75274	Bromodichloromethane	ug/l	1U
23	78875	1,2-Dichloropropane	ug/l	1U
24	74953	Dibromomethane	ug/l	1U
25	10061026	trans-1,3-Dichloropropene	ug/l	1U
26	79016	Trichloroethene	ug/l	1U
27	124481	Dibromochloromethane	ug/l	0.08J
28	106934	1,2-Dibromoethane (EDB)	ug/l	1U
29	79005	1,1,2-Trichloroethane	ug/l	1U
30	142289	1,3-Dichloropropane	ug/l	1U
31	71432	Benzene	ug/l	1U
32	10061015	cis-1,3-Dichloropropene	ug/l	1U
33	75252	Bromoform	ug/l	1U
34	591786	2-Hexanone	ug/l	1U
35	108101	4-Methyl-2-Pentanone	ug/l	1U
36	127184	Tetrachloroethene	ug/l	1U
37	79345	ETHANE, 1,1,2,2-TETRACHLORO-	ug/l	1U
38	630206	Ethane, 1,1,1,2-Tetrachloro-	ug/l	1U
39	108883	Toluene	ug/l	1U
40	108907	Chlorobenzene	ug/l	1U
41	100414	Ethylbenzene	ug/l	1U
42	100425	BENZENE, ETHENYL-(STYRENE)	ug/l	1U
43	108861	Bromobenzene	ug/l	1U
44	96184	1,2,3-Trichloropropane	ug/l	1U
45	95498	2-Chlorotoluene	ug/l	1U
46	106434	4-Chlorotoluene	ug/l	1U
47	1330207	Total Xylenes	ug/l	1U
48	95636	1,2,4-Trimethylbenzene	ug/l	1U
49	98066	Tert-Butylbenzene	ug/l	1U
50	108678	1,3,5-Trimethylbenzene	ug/l	1U

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Transaction #: 07179902 Seq #: 09 (51) VOA - PP Scan (GCMS)

Sample No.: 91 130161 (continued from previous page)

Line	Par #	Parameter Description	Units	Value	
51	135988	Sec-Butylbenzene	ug/l	1U	
52	99876	p-Isopropyltoluene	ug/l	1U	
53	104518	Butylbenzene	ug/l	1U	
54	96128	1,2-Dibromo-3-chloropropane	ug/l	1U	
55	87616	1,2,3-Trichlorobenzene	ug/l	1U	
56	98828	Isopropylbenzene (Cumene)	ug/l	1U	
57	103651	BENZENE, PROPYL-	ug/l	1U	
58	541731	1,3-Dichlorobenzene	ug/l	1U	
59	106467	1,4-Dichlorobenzene	ug/l	1U	
60	95501	1,2-Dichlorobenzene	ug/l	1U	
61	120821	1,2,4-Trichlorobenzene	ug/l	1U	
62	91203	Naphthalene	ug/l	1U	
63	87683	Hexachlorobutadiene	ug/l	1U	
64	-762492	Surrog: 1-Bromo-2-Fluoroetha	% Recov	97	(Surr) PR
65	2747582	d8-Toluene	% Recov	90	(Surr) PR
66	-460004	p-Bromofluorobenzene	% Recov	90	(Surr) PR
67	-17070070	1,2-Dichloroethane-d4 (SS)	% Recov	88	(Surr) PR
68	-2199691	d4-1,2-Dichlorobenzene (ss)	% Recov	NAF	(Surr) PR

*** Lab Analysis Report ***

Transaction #: 07179902 Seq #: 10 (51) VOA - PP Scan (GCMS)
Proj Code : HWD-127A RIDGEFIELD BRICK AND TILE PE # : AGDD3A

Sample No.: 91 130162 Alternate Keys:

Samp Matrix: (10) Water-Total Units: (11) ug/l %Slds: ____
QA Code: ( ) Unspecifed Peaks Total: ____
Date Extracted: Date Analyzed: 910410 # Days to Ext/Anal: 0/ 13

Line	Par #	Parameter Description	Units	Value
1	74873	Chloromethane	ug/l	1U
2	75718	Methane, Dichlorodifluoro-	ug/l	1U
3	74839	Bromomethane	ug/l	1U
4	75014	Vinyl Chloride	ug/l	1U
5	75003	Chloroethane	ug/l	0.1J
6	75694	Trichlorofluoromethane	ug/l	1U
7	75092	Methylene Chloride	ug/l	1U
8	67641	Acetone	ug/l	1U
9	75150	Carbon Disulfide	ug/l	1U
10	75354	1,1-Dichloroethene	ug/l	1U
11	75343	1,1-Dichloroethane	ug/l	0.2J
12	156605	trans-1,2-Dichloroethene	ug/l	1U
13	156592	Cis-1,2-Dichloroethene	ug/l	1U
14	590207	2,2-Dichloropropane	ug/l	1U
15	74975	Bromochloromethane	ug/l	1U
16	67663	Chloroform	ug/l	1U
17	107062	1,2-Dichloroethane	ug/l	1.4
18	78933	2-Butanone	ug/l	1.5U
19	71556	1,1,1-Trichloroethane	ug/l	1U
20	56235	Carbon Tetrachloride	ug/l	1U
21	563586	1,1-Dichloropropene	ug/l	1U
22	75274	Bromodichloromethane	ug/l	1U
23	78875	1,2-Dichloropropane	ug/l	1U
24	74953	Dibromomethane	ug/l	1U
25	10061026	trans-1,3-Dichloropropene	ug/l	1U
26	79016	Trichloroethene	ug/l	1U
27	124481	Dibromochloromethane	ug/l	1U
28	106934	1,2-Dibromoethane (EDB)	ug/l	1U
29	79005	1,1,2-Trichloroethane	ug/l	1U
30	142289	1,3-Dichloropropane	ug/l	1U
31	71432	Benzene	ug/l	1U
32	10061015	cis-1,3-Dichloropropene	ug/l	1U
33	75252	Bromoform	ug/l	1U
34	591786	2-Hexanone	ug/l	1U
35	108101	4-Methyl-2-Pentanone	ug/l	1U
36	127184	Tetrachloroethene	ug/l	1U
37	79345	ETHANE, 1,1,2,2-TETRACHLORO-	ug/l	1U
38	630206	Ethane, 1,1,1,2-Tetrachloro-	ug/l	1U
39	108883	Toluene	ug/l	1U
40	108907	Chlorobenzene	ug/l	1U
41	100414	Ethylbenzene	ug/l	1U
42	100425	BENZENE, ETHENYL-(STYRENE)	ug/l	1U
43	108861	Bromobenzene	ug/l	1U
44	96184	1,2,3-Trichloropropane	ug/l	1U
45	95498	2-Chlorotoluene	ug/l	1U
46	106434	4-Chlorotoluene	ug/l	1U
47	1330207	Total Xylenes	ug/l	1U
48	95636	1,2,4-Trimethylbenzene	ug/l	1U
49	98066	Tert-Butylbenzene	ug/l	1U
50	108678	1,3,5-Trimethylbenzene	ug/l	1U

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Transaction #: 07179902 Seq #: 10 (51) VOA - PP Scan (GCMS)

Sample No.: 91 130162 (continued from previous page)

Line	Par #	Parameter Description	Units	Value	
51	135988	Sec-Butylbenzene	ug/l	1U	
52	99876	p-Isopropyltoluene	ug/l	1U	
53	104518	Butylbenzene	ug/l	1U	
54	96128	1,2-Dibromo-3-chloropropane	ug/l	1U	
55	87616	1,2,3-Trichlorobenzene	ug/l	1U	
56	98828	Isopropylbenzene (Cumene)	ug/l	1U	
57	103651	BENZENE, PROPYL-	ug/l	1U	
58	541731	1,3-Dichlorobenzene	ug/l	1U	
59	106467	1,4-Dichlorobenzene	ug/l	1U	
60	95501	1,2-Dichlorobenzene	ug/l	1U	
61	120821	1,2,4-Trichlorobenzene	ug/l	1U	
62	91203	Naphthalene	ug/l	1U	
63	87683	Hexachlorobutadiene	ug/l	1U	
64	-762492	Surrog: 1-Bromo-2-Fluoroetha	% Recov	111	(Surr) PR
65	2747582	d8-Toluene	% Recov	92	(Surr) PR
66	-460004	p-Bromofluorobenzene	% Recov	93	(Surr) PR
67	-17070070	1,2-Dichloroethane-d4 (SS)	% Recov	104	(Surr) PR

*** Lab Analysis Report ***

Transaction #: 07179902 Seq #: 11 (51) VOA - PP Scan (GCMS)
Proj Code : HWD-127A RIDGEFIELD BRICK AND TILE PE # : AGDD3A

Sample No.: 91 130164 Alternate Keys:

Samp Matrix: (10) Water-Total Units: (11) ug/l %Slds: ____
QA Code: ( ) Unspecifed Peaks Total: ____
Date Extracted: Date Analyzed: 910410 # Days to Ext/Anal: 0/ 13

Line	Par #	Parameter Description	Units	Value
1	74873	Chloromethane	ug/l	1U
2	75718	Methane, Dichlorodifluoro-	ug/l	1U
3	74839	Bromomethane	ug/l	1U
4	75014	Vinyl Chloride	ug/l	1U
5	75003	Chloroethane	ug/l	1U
6	75694	Trichlorofluoromethane	ug/l	1U
7	75092	Methylene Chloride	ug/l	1U
8	67641	Acetone	ug/l	1U
9	75150	Carbon Disulfide	ug/l	1U
10	75354	1,1-Dichloroethene	ug/l	1U
11	75343	1,1-Dichloroethane	ug/l	1U
12	156605	trans-1,2-Dichloroethene	ug/l	1U
13	156592	Cis-1,2-Dichloroethene	ug/l	1U
14	590207	2,2-Dichloropropane	ug/l	1U
15	74975	Bromochloromethane	ug/l	1U
16	67663	Chloroform	ug/l	1U
17	107062	1,2-Dichloroethane	ug/l	0.4J
18	78933	2-Butanone	ug/l	1.2U
19	71556	1,1,1-Trichloroethane	ug/l	1U
20	56235	Carbon Tetrachloride	ug/l	1U
21	563586	1,1-Dichloropropene	ug/l	1U
22	75274	Bromodichloromethane	ug/l	1U
23	78875	1,2-Dichloropropane	ug/l	1U
24	74953	Dibromomethane	ug/l	1U
25	10061026	trans-1,3-Dichloropropene	ug/l	1U
26	79016	Trichloroethene	ug/l	1U
27	124481	Dibromochloromethane	ug/l	1U
28	106934	1,2-Dibromoethane (EDB)	ug/l	1U
29	79005	1,1,2-Trichloroethane	ug/l	1U
30	142289	1,3-Dichloropropane	ug/l	1U
31	71432	Benzene	ug/l	1U
32	10061015	cis-1,3-Dichloropropene	ug/l	1U
33	75252	Bromoform	ug/l	1U
34	591786	2-Hexanone	ug/l	1U
35	108101	4-Methyl-2-Pentanone	ug/l	1U
36	127184	Tetrachloroethene	ug/l	1U
37	79345	ETHANE, 1,1,2,2-TETRACHLORO-	ug/l	1U
38	630206	Ethane, 1,1,1,2-Tetrachloro-	ug/l	1U
39	108883	Toluene	ug/l	1U
40	108907	Chlorobenzene	ug/l	1U
41	100414	Ethylbenzene	ug/l	1U
42	100425	BENZENE, ETHENYL-(STYRENE)	ug/l	1U
43	108861	Bromobenzene	ug/l	1U
44	96184	1,2,3-Trichloropropane	ug/l	1U
45	95498	2-Chlorotoluene	ug/l	1U
46	106434	4-Chlorotoluene	ug/l	1U
47	1330207	Total Xylenes	ug/l	1U
48	95636	1,2,4-Trimethylbenzene	ug/l	1U
49	98066	Tert-Butylbenzene	ug/l	1U
50	108678	1,3,5-Trimethylbenzene	ug/l	1U

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Transaction #: 07179902 Seq #: 11 (51) VOA - PP Scan (GCMS)

Sample No.: 91 130164 (continued from previous page)

Line	Par #	Parameter Description	Units	Value	
51	135988	Sec-Butylbenzene	ug/l	1U	
52	99876	p-Isopropyltoluene	ug/l	1U	
53	104518	Butylbenzene	ug/l	1U	
54	96128	1,2-Dibromo-3-chloropropane	ug/l	1U	
55	87616	1,2,3-Trichlorobenzene	ug/l	1U	
56	98828	Isopropylbenzene (Cumene)	ug/l	1U	
57	103651	BENZENE, PROPYL-	ug/l	1U	
58	541731	1,3-Dichlorobenzene	ug/l	1U	
59	106467	1,4-Dichlorobenzene	ug/l	1U	
60	95501	1,2-Dichlorobenzene	ug/l	1U	
61	120821	1,2,4-Trichlorobenzene	ug/l	1U	
62	91203	Naphthalene	ug/l	1U	
63	87683	Hexachlorobutadiene	ug/l	1U	
64	-762492	Surrog: 1-Bromo-2-Fluoroetha	% Recov	107	(Surr) PR
65	2747582	d8-Toluene	% Recov	91	(Surr) PR
66	-460004	p-Bromofluorobenzene	% Recov	91	(Surr) PR
67	-17070070	1,2-Dichloroethane-d4 (SS)	% Recov	96	(Surr) PR
68	-2199691	d4-1,2-Dichlorobenzene (ss)	% Recov	NAF	(Surr) PR

*** Lab Analysis Report ***

Transaction #: 07179902 Seq #: 12 (51) VOA - PP Scan (GCMS)
Proj Code : HWD-127A RIDGEFIELD BRICK AND TILE PE # : AGDD3A

Sample No.: 91 130166 Alternate Keys:

Samp Matrix: (10) Water-Total Units: (11) ug/l %Slds: ____
QA Code: ( ) Unspecifed Peaks Total: ____
Date Extracted: Date Analyzed: 910410 # Days to Ext/Anal: 0/ 13

Line	Par #	Parameter Description	Units	Value
1	74873	Chloromethane	ug/l	1U
2	75718	Methane, Dichlorodifluoro-	ug/l	1U
3	74839	Bromomethane	ug/l	1U
4	75014	Vinyl Chloride	ug/l	1U
5	75003	Chloroethane	ug/l	0.1J
6	75694	Trichlorofluoromethane	ug/l	1U
7	75092	Methylene Chloride	ug/l	1U
8	67641	Acetone	ug/l	1U
9	75150	Carbon Disulfide	ug/l	1U
10	75354	1,1-Dichloroethene	ug/l	1U
11	75343	1,1-Dichloroethane	ug/l	1U
12	156605	trans-1,2-Dichloroethene	ug/l	1U
13	156592	Cis-1,2-Dichloroethene	ug/l	1U
14	590207	2,2-Dichloropropane	ug/l	1U
15	74975	Bromochloromethane	ug/l	1U
16	67663	Chloroform	ug/l	1U
17	107062	1,2-Dichloroethane	ug/l	0.4J
18	78933	2-Butanone	ug/l	1U
19	71556	1,1,1-Trichloroethane	ug/l	1U
20	56235	Carbon Tetrachloride	ug/l	1U
21	563586	1,1-Dichloropropene	ug/l	1U
22	75274	Bromodichloromethane	ug/l	1U
23	78875	1,2-Dichloropropane	ug/l	1U
24	74953	Dibromomethane	ug/l	1U
25	10061026	trans-1,3-Dichloropropene	ug/l	1U
26	79016	Trichloroethene	ug/l	1U
27	124481	Dibromochloromethane	ug/l	1U
28	106934	1,2-Dibromoethane (EDB)	ug/l	1U
29	79005	1,1,2-Trichloroethane	ug/l	1U
30	142289	1,3-Dichloropropane	ug/l	1U
31	71432	Benzene	ug/l	1U
32	10061015	cis-1,3-Dichloropropene	ug/l	1U
33	75252	Bromoform	ug/l	1U
34	591786	2-Hexanone	ug/l	1U
35	108101	4-Methyl-2-Pentanone	ug/l	1U
36	127184	Tetrachloroethene	ug/l	1U
37	79345	ETHANE, 1,1,2,2-TETRACHLORO-	ug/l	1U
38	630206	Ethane, 1,1,1,2-Tetrachloro-	ug/l	1U
39	108883	Toluene	ug/l	1U
40	108907	Chlorobenzene	ug/l	1U
41	100414	Ethylbenzene	ug/l	1U
42	100425	BENZENE, ETHENYL-(STYRENE)	ug/l	1U
43	108861	Bromobenzene	ug/l	1U
44	96184	1,2,3-Trichloropropane	ug/l	1U
45	95498	2-Chlorotoluene	ug/l	1U
46	106434	4-Chlorotoluene	ug/l	1U
47	1330207	Total Xylenes	ug/l	1U
48	95636	1,2,4-Trimethylbenzene	ug/l	1U
49	98066	Tert-Butylbenzene	ug/l	1U
50	108678	1,3,5-Trimethylbenzene	ug/l	1U

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Transaction #: 07179902 Seq #: 12 (51) VOA - PP Scan (GCMS)

Sample No.: 91 130166 (continued from previous page)

Line	Par #	Parameter Description	Units	Value	
51	135988	Sec-Butylbenzene	ug/l	1U	
52	99876	p-Isopropyltoluene	ug/l	1U	
53	104518	Butylbenzene	ug/l	1U	
54	96128	1,2-Dibromo-3-chloropropane	ug/l	1U	
55	87616	1,2,3-Trichlorobenzene	ug/l	1U	
56	98828	Isopropylbenzene (Cumene)	ug/l	1U	
57	103651	BENZENE, PROPYL-	ug/l	1U	
58	541731	1,3-Dichlorobenzene	ug/l	1U	
59	106467	1,4-Dichlorobenzene	ug/l	1U	
60	95501	1,2-Dichlorobenzene	ug/l	1U	
61	120821	1,2,4-Trichlorobenzene	ug/l	1U	
62	91203	Naphthalene	ug/l	1U	
63	87683	Hexachlorobutadiene	ug/l	1U	
64	-762492	Surrog: 1-Bromo-2-Fluoroetha	% Recov	107	(Surr) PR
65	2747582	d8-Toluene	% Recov	91	(Surr) PR
66	-460004	p-Bromofluorobenzene	% Recov	94	(Surr) PR
67	-17070070	1,2-Dichloroethane-d4 (SS)	% Recov	96	(Surr) PR
68	-2199691	d4-1,2-Dichlorobenzene (ss)	% Recov	NAF	(Surr) PR

*** Lab Analysis Report ***

Transaction #: 07179902 Seq #: 13 (51) VOA - PP Scan (GCMS)
Proj Code : HWD-127A RIDGEFIELD BRICK AND TILE PE # : AGDD3A

Sample No.: 91 130168 Alternate Keys:

Samp Matrix: (10) Water-Total Units: (11) ug/l %Slds: ____
QA Code: ( ) Unspecifed Peaks Total: ____
Date Extracted: Date Analyzed: 910410 # Days to Ext/Anal: 0/ 13

Line	Par #	Parameter Description	Units	Value
1	74873	Chloromethane	ug/l	1U
2	75718	Methane, Dichlorodifluoro-	ug/l	1U
3	74839	Bromomethane	ug/l	1U
4	75014	Vinyl Chloride	ug/l	1U
5	75003	Chloroethane	ug/l	1U
6	75694	Trichlorofluoromethane	ug/l	1U
7	75092	Methylene Chloride	ug/l	1U
8	67641	Acetone	ug/l	8.5U
9	75150	Carbon Disulfide	ug/l	1U
10	75354	1,1-Dichloroethene	ug/l	1U
11	75343	1,1-Dichloroethane	ug/l	1U
12	156605	trans-1,2-Dichloroethene	ug/l	1U
13	156592	Cis-1,2-Dichloroethene	ug/l	1U
14	590207	2,2-Dichloropropane	ug/l	1U
15	74975	Bromochloromethane	ug/l	1U
16	67663	Chloroform	ug/l	1U
17	107062	1,2-Dichloroethane	ug/l	0.6J
18	78933	2-Butanone	ug/l	2.9U
19	71556	1,1,1-Trichloroethane	ug/l	1U
20	56235	Carbon Tetrachloride	ug/l	1U
21	563586	1,1-Dichloropropene	ug/l	1U
22	75274	Bromodichloromethane	ug/l	1U
23	78875	1,2-Dichloropropane	ug/l	1U
24	74953	Dibromomethane	ug/l	1U
25	10061026	trans-1,3-Dichloropropene	ug/l	1U
26	79016	Trichloroethene	ug/l	1U
27	124481	Dibromochloromethane	ug/l	1U
28	106934	1,2-Dibromoethane (EDB)	ug/l	1U
29	79005	1,1,2-Trichloroethane	ug/l	1U
30	142289	1,3-Dichloropropane	ug/l	1U
31	71432	Benzene	ug/l	1U
32	10061015	cis-1,3-Dichloropropene	ug/l	1U
33	75252	Bromoform	ug/l	1U
34	591786	2-Hexanone	ug/l	1U
35	108101	4-Methyl-2-Pentanone	ug/l	1U
36	127184	Tetrachloroethene	ug/l	1U
37	79345	ETHANE, 1,1,2,2-TETRACHLORO-	ug/l	1U
38	630206	Ethane, 1,1,1,2-Tetrachloro-	ug/l	1U
39	108883	Toluene	ug/l	0.5J
40	108907	Chlorobenzene	ug/l	1U
41	100414	Ethylbenzene	ug/l	1U
42	100425	BENZENE, ETHENYL-(STYRENE)	ug/l	1U
43	108861	Bromobenzene	ug/l	1U
44	96184	1,2,3-Trichloropropane	ug/l	1U
45	95498	2-Chlorotoluene	ug/l	1U
46	106434	4-Chlorotoluene	ug/l	1U
47	1330207	Total Xylenes	ug/l	1U
48	95636	1,2,4-Trimethylbenzene	ug/l	1U
49	98066	Tert-Butylbenzene	ug/l	1U
50	108678	1,3,5-Trimethylbenzene	ug/l	1U

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Transaction #: 07179902 Seq #: 13 (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	1U	
52	99876	p-Isopropyltoluene	ug/l	1U	
53	104518	Butylbenzene	ug/l	1U	
54	96128	1,2-Dibromo-3-chloropropane	ug/l	1U	
55	87616	1,2,3-Trichlorobenzene	ug/l	1U	
56	98828	Isopropylbenzene (Cumene)	ug/l	1U	
57	103651	BENZENE, PROPYL-	ug/l	1U	
58	541731	1,3-Dichlorobenzene	ug/l	1U	
59	106467	1,4-Dichlorobenzene	ug/l	1U	
60	95501	1,2-Dichlorobenzene	ug/l	1U	
61	120821	1,2,4-Trichlorobenzene	ug/l	1U	
62	91203	Naphthalene	ug/l	1U	
63	87683	Hexachlorobutadiene	ug/l	1U	
64	-762492	Surrog: 1-Bromo-2-Fluoroetha	% Recov	108	(Surr) PR
65	2747582	d8-Toluene	% Recov	93	(Surr) PR
66	-460004	p-Bromofluorobenzene	% Recov	93	(Surr) PR
67	-17070070	1,2-Dichloroethane-d4 (SS)	% Recov	96	(Surr) PR
68	-2199691	d4-1,2-Dichlorobenzene (ss)	% Recov	NAF	(Surr) PR

*** Lab Analysis Report ***

Transaction #: 07179902 Seq #: 14 (51) VOA - PP Scan (GCMS)
Proj Code : HWD-127A RIDGEFIELD BRICK AND TILE PE # : AGDD3A

Blank ID : BW1099
Sample No.: 91 130168 Alternate Keys:

Samp Matrix: (10) Water-Total Units: (11) ug/l %Slds: ____
QA Code: (LBK1) Lab Blank Sample #1 Peaks Total: ____
Date Extracted: Date Analyzed: 910409 # Days to Ext/Anal: 0/ 12

Line	Par #	Parameter Description	Units	Value
1	74873	Chloromethane	ug/l	1U
2	75718	Methane, Dichlorodifluoro-	ug/l	1U
3	74839	Bromomethane	ug/l	1U
4	75014	Vinyl Chloride	ug/l	1U
5	75003	Chloroethane	ug/l	1U
6	75694	Trichlorofluoromethane	ug/l	1U
7	75092	Methylene Chloride	ug/l	0.7J
8	67641	Acetone	ug/l	4.8
9	75150	Carbon Disulfide	ug/l	1U
10	75354	1,1-Dichloroethene	ug/l	1U
11	75343	1,1-Dichloroethane	ug/l	1U
12	156605	trans-1,2-Dichloroethene	ug/l	1U
13	156592	Cis-1,2-Dichloroethene	ug/l	1U
14	590207	2,2-Dichloropropane	ug/l	1U
15	74975	Bromochloromethane	ug/l	1U
16	67663	Chloroform	ug/l	1U
17	107062	1,2-Dichloroethane	ug/l	1U
18	78933	2-Butanone	ug/l	0.6J
19	71556	1,1,1-Trichloroethane	ug/l	1U
20	56235	Carbon Tetrachloride	ug/l	1U
21	563586	1,1-Dichloropropene	ug/l	1U
22	75274	Bromodichloromethane	ug/l	1U
23	78875	1,2-Dichloropropane	ug/l	1U
24	74953	Dibromomethane	ug/l	1U
25	10061026	trans-1,3-Dichloropropene	ug/l	1U
26	79016	Trichloroethene	ug/l	1U
27	124481	Dibromochloromethane	ug/l	1U
28	106934	1,2-Dibromoethane (EDB)	ug/l	1U
29	79005	1,1,2-Trichloroethane	ug/l	1U
30	142289	1,3-Dichloropropane	ug/l	1U
31	71432	Benzene	ug/l	0.03J
32	10061015	cis-1,3-Dichloropropene	ug/l	1U
33	75252	Bromoform	ug/l	1U
34	591786	2-Hexanone	ug/l	1U
35	108101	4-Methyl-2-Pentanone	ug/l	1U
36	127184	Tetrachloroethene	ug/l	1U
37	79345	ETHANE, 1,1,2,2-TETRACHLORO-	ug/l	1U
38	630206	Ethane, 1,1,1,2-Tetrachloro-	ug/l	1U
39	108883	Toluene	ug/l	1U
40	108907	Chlorobenzene	ug/l	1U
41	100414	Ethylbenzene	ug/l	1U
42	100425	BENZENE, ETHENYL-(STYRENE)	ug/l	1U
43	108861	Bromobenzene	ug/l	1U
44	96184	1,2,3-Trichloropropane	ug/l	1U
45	95498	2-Chlorotoluene	ug/l	1U
46	106434	4-Chlorotoluene	ug/l	1U
47	1330207	Total Xylenes	ug/l	0.02J
48	95636	1,2,4-Trimethylbenzene	ug/l	1U
49	98066	Tert-Butylbenzene	ug/l	1U
50	108678	1,3,5-Trimethylbenzene	ug/l	1U

(continued on next page)

Transaction #: 07179902 Seq #: 14 (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	1U	
52	99876	p-Isopropyltoluene	ug/l	1U	
53	104518	Butylbenzene	ug/l	1U	
54	96128	1,2-Dibromo-3-chloropropane	ug/l	1U	
55	87616	1,2,3-Trichlorobenzene	ug/l	0.07J	
56	98828	Isopropylbenzene (Cumene)	ug/l	1U	
57	103651	BENZENE, PROPYL-	ug/l	1U	
58	541731	1,3-Dichlorobenzene	ug/l	0.03J	
59	106467	1,4-Dichlorobenzene	ug/l	1U	
60	95501	1,2-Dichlorobenzene	ug/l	1U	
61	120821	1,2,4-Trichlorobenzene	ug/l	0.06J	
62	91203	Naphthalene	ug/l	1U	
63	87683	Hexachlorobutadiene	ug/l	1U	
64	-762492	Surrog: 1-Bromo-2-Fluoroetha	% Recov	92	(Surr) PR
65	2747582	d8-Toluene	% Recov	96	(Surr) PR
66	-460004	p-Bromofluorobenzene	% Recov	101	(Surr) PR
67	-17070070	1,2-Dichloroethane-d4 (SS)	% Recov	97	(Surr) PR
68	-2199691	d4-1,2-Dichlorobenzene (ss)	% Recov	NAF	(Surr) PR

*** Lab Analysis Report ***

Transaction #: 07179902 Seq #: 15 (51) VOA - PP Scan (GCMS)
Proj Code : HWD-127A RIDGEFIELD BRICK AND TILE PE # : AGDD3A

Blank ID : BW1100
Sample No.: 91 130168 Alternate Keys:

Samp Matrix: (10) Water-Total Units: (11) ug/l %Slds: ____
QA Code: (LBK2) Lab Blank Sample #2 Peaks Total: ____
Date Extracted: Date Analyzed: 910410 # Days to Ext/Anal: 0/ 13

Line	Par #	Parameter Description	Units	Value
1	74873	Chloromethane	ug/l	1U
2	75718	Methane, Dichlorodifluoro-	ug/l	1U
3	74839	Bromomethane	ug/l	1U
4	75014	Vinyl Chloride	ug/l	1U
5	75003	Chloroethane	ug/l	1U
6	75694	Trichlorofluoromethane	ug/l	1U
7	75092	Methylene Chloride	ug/l	5.6
8	67641	Acetone	ug/l	3.8
9	75150	Carbon Disulfide	ug/l	0.1J
10	75354	1,1-Dichloroethene	ug/l	1U
11	75343	1,1-Dichloroethane	ug/l	1U
12	156605	trans-1,2-Dichloroethene	ug/l	1U
13	156592	Cis-1,2-Dichloroethene	ug/l	1U
14	590207	2,2-Dichloropropane	ug/l	1U
15	74975	Bromochloromethane	ug/l	1U
16	67663	Chloroform	ug/l	1U
17	107062	1,2-Dichloroethane	ug/l	1U
18	78933	2-Butanone	ug/l	0.9J
19	71556	1,1,1-Trichloroethane	ug/l	1U
20	56235	Carbon Tetrachloride	ug/l	1U
21	563586	1,1-Dichloropropene	ug/l	1U
22	75274	Bromodichloromethane	ug/l	1U
23	78875	1,2-Dichloropropane	ug/l	1U
24	74953	Dibromomethane	ug/l	1U
25	10061026	trans-1,3-Dichloropropene	ug/l	1U
26	79016	Trichloroethene	ug/l	1U
27	124481	Dibromochloromethane	ug/l	1U
28	106934	1,2-Dibromoethane (EDB)	ug/l	1U
29	79005	1,1,2-Trichloroethane	ug/l	1U
30	142289	1,3-Dichloropropane	ug/l	1U
31	71432	Benzene	ug/l	1U
32	10061015	cis-1,3-Dichloropropene	ug/l	1U
33	75252	Bromoform	ug/l	1U
34	591786	2-Hexanone	ug/l	1U
35	108101	4-Methyl-2-Pentanone	ug/l	1U
36	127184	Tetrachloroethene	ug/l	1U
37	79345	ETHANE, 1,1,2,2-TETRACHLORO-	ug/l	1U
38	630206	Ethane, 1,1,1,2-Tetrachloro-	ug/l	1U
39	108883	Toluene	ug/l	0.02J
40	108907	Chlorobenzene	ug/l	1U
41	100414	Ethylbenzene	ug/l	1U
42	100425	BENZENE, ETHENYL-(STYRENE)	ug/l	1U
43	108861	Bromobenzene	ug/l	1U
44	96184	1,2,3-Trichloropropane	ug/l	1U
45	95498	2-Chlorotoluene	ug/l	1U
46	106434	4-Chlorotoluene	ug/l	1U
47	1330207	Total Xylenes	ug/l	1U
48	95636	1,2,4-Trimethylbenzene	ug/l	0.02J
49	98066	Tert-Butylbenzene	ug/l	1U
50	108678	1,3,5-Trimethylbenzene	ug/l	0.01J

(continued on next page)

Transaction #: 07179902 Seq #: 15 (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	0.01J	
52	99876	p-Isopropyltoluene	ug/l	1U	
53	104518	Butylbenzene	ug/l	0.02J	
54	96128	1,2-Dibromo-3-chloropropane	ug/l	1U	
55	87616	1,2,3-Trichlorobenzene	ug/l	0.07J	
56	98828	Isopropylbenzene (Cumene)	ug/l	1U	
57	103651	BENZENE, PROPYL-	ug/l	1U	
58	541731	1,3-Dichlorobenzene	ug/l	0.03J	
59	106467	1,4-Dichlorobenzene	ug/l	1U	
60	95501	1,2-Dichlorobenzene	ug/l	0.04J	
61	120821	1,2,4-Trichlorobenzene	ug/l	0.05J	
62	91203	Naphthalene	ug/l	1U	
63	87683	Hexachlorobutadiene	ug/l	1U	
64	-762492	Surrog: 1-Bromo-2-Fluoroetha	% Recov	104	(Surr) PR
65	2747582	d8-Toluene	% Recov	91	(Surr) PR
66	-460004	p-Bromofluorobenzene	% Recov	92	(Surr) PR
67	-17070070	1,2-Dichloroethane-d4 (SS)	% Recov	98	(Surr) PR
68	-2199691	d4-1,2-Dichlorobenzene (ss)	% Recov	NAF	(Surr) PR

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

Sample: 91130150
Method: EP2-624 GC/MS Purge and Trap Scan
Project: HWD-127A RIDGEFIELD BRICK AND TILE
Station: _____ Source:(23) Well (Test/Observati

Matrix:(10) Water-Total
Officer: Bailey, Marsha
Account: AGDD3A
Field Prep:(__) Unknown

Collected: 91/ 03/ 27
Received: 91/ 03/ 29
Comments: _____

Extracted: 91/04/09 Extractor: _____ Weight/Volume Extracted: _____
Analyzed: 91/04/09 12:43 Analyst: SVP Percent Solids: _____
Reviewed: 91/06/25 By: SVP Final Review: 7/11/91 By: JMB
IBM Report: __/__/__ By: _____

Sample Volume (ml): 10
Volume Water Aliquated (ml): —
Dilution Factor: —
Tape Identification: 9-1991-5100E1
Tape File Number: 6

Standard Run: AVW1099
Std. Stock Solution #: —
Background Run: ABW1099
Calibration Run: ABF1099
Extraction Solvent: —

Initial Vol. Extraction Solv.(ml): —
Volume Extract Aliquated (ul): —
Total Volume Purged (ml): 5 10

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, 1.8 u
Column Inside Diameter (mm): 0.32
Column Length (M): 30
Column Tubing Material: Fused Silica

Start Mass (AMU): 35
AMU/sec: 240
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) 1-APR-91 11:06 91130150

JUL 11 1991

Sample Number
A91130150

ORGANICS ANALYSIS DATA SHEET
(Page 1)

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

Case No: HWD-127A/1011
QC Report No:
Contract No: AGDD3A
Date Sample Received: 03/27/91

VOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared:
Date Analyzed: 04/09/91
Conc Factor: 5.000000 pH
Percent Moisture: (Not Decanted)

CAS Number		ug/L	CAS Number		ug/L
74-87-3	Chloromethane	1 U	127-18-4	Tetrachloroethene	1 U
75-71-8	Dichlorodifluoromethane	1 U	79-34-5	1,1,2,2-Tetrachloroethane	1 U
74-83-9	Bromomethane	1 U	630-20-6	1,1,1,2-Tetrachloroethane	1 U
75-01-4	Vinyl Chloride	0.04J	108-88-3	Toluene	~~0.4J~~ 1U
75-00-3	Chloroethane	1 U	108-90-7	Chlorobenzene	1 U
75-69-4	Trichlorofluoromethane	0.1J	100-41-4	Ethylbenzene	1 U
75-09-2	Methylene Chloride	1 U	100-42-5	Styrene	~~0.02J~~ 1U
67-64-1	Acetone	12 U	108-86-1	Bromobenzene	1 U
75-15-0	Carbon Disulfide 1U	~~0.2~~ U	96-18-4	1,2,3-Trichloropropane	1 U
75-35-4	1,1-Dichloroethene	1 U	95-49-8	2-Chlorotoluene	1 U
75-34-3	1,1-Dichloroethane	1 U	106-43-4	4-Chlorotoluene	1 U
156-60-5	Trans-1,2-Dichloroethene	1 U	1330-20-7	Total Xylenes	~~0.03~~ U 1U
156-59-2	Cis-1,2-Dichloroethene	1 U	95-63-6	1,2,4-Trimethylbenzene	1 U
590-20-7	2,2-Dichloropropane	1 U	98-06-6	Tert-Butylbenzene	1 U
74-97-5	Bromochloromethane	1 U	108-67-8	1,3,5-Trimethylbenzene	1 U
67-66-3	Chloroform	1 U	135-98-8	Sec-Butylbenzene	~~0.01J~~ 1U
107-06-2	1,2-Dichloroethane	0.4J	99-87-6	p-Isopropyltoluene	1 U
78-93-3	2-Butanone	2.6 U	104-51-8	Butylbenzene	1 U
71-55-6	1,1,1-Trichloroethane	1 U	96-12-8	1,2-Dibromo-3-chloropropane	1 U
56-23-5	Carbon Tetrachloride	1 U	87-61-6	1,2,3-Trichlorobenzene	1 U
563-58-6	1,1-Dichloropropene	1 U	98-82-8	Isopropylbenzene	1 U
75-27-4	Bromodichloromethane	1 U	103-65-1	Propylbenzene	1 U
78-87-5	1,2-Dichloropropane	1 U		~~Total Xylenes~~	~~0.03~~
74-95-3	Dibromomethane	1 U	541-73-1	1,3-Dichlorobenzene	1 U
10061-02-6	Trans-1,3-Dichloropropene	1 U	106-46-7	1,4-Dichlorobenzene	1 U
79-01-6	Trichloroethene	1 U	95-50-1	1,2-Dichlorobenzene	~~0.03J~~ 1U
124-48-1	Dibromochloromethane	1 U	120-82-1	1,2,4-Trichlorobenzene	1 U
106-93-4	1,2-Dibromoethane	1 U	91-20-3	Naphthalene	1 U
79-00-5	1,1,2-Trichloroethane	1 U	87-68-3	Hexachlorobutadiene	1 U
142-28-9	1,3-Dichloropropane	1 U			%
71-43-2	Benzene 1U	~~0.05~~ U	-762492	1-Bromo-2-Fluoroethane (SS)	106
10061-01-5	cis-1,3-Dichloropropene	1 U	2747-58-2	Toluene (d8) (SS)	99
75-25-2	Bromoform	1 U	-460-00-4	p-Bromofluorobenzene (SS)	100
591-78-6	2-Hexanone	1 U	17070-07-0	1,2-Dichloroethane-d4 (SS)	101
108-10-1	4-Methyl-2-Pentanone	1 U	2199-69-1	~~1,2-Dichlorobenzene (SS)~~	NAF

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

Form I

07179902-01

JUL 11 RECD

Laboratory Name: MANCHESTER LAB
Case No: HWD-127A/1011

Sample Number
A91130150

TENTATIVELY IDENTIFIED COMPOUNDS
(Page 4)

	CAS Number	Compound Name	Fraction	Scan Num	Estimated Conc ug/L	
1		CI10 1,4-DIFLUOROBENZENE (INTERNAL STANDARD)	VOA		10	J
2		CI20 CHLOROBENZENE-D5 (INTERNAL STANDARD)	VOA		10	J
3		CI30 1,4-DICHLOROBENZENE-D4 (INTERNAL STANDARD)	VOA		10	J

No semi-volatile compounds found.

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

Form I

JUL 11 REC'D KW

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

Sample: 91130152
Method: EP2-624 GC/MS Purge and Trap Scan
Project: HWD-127A RIDGEFIELD BRICK AND TILE
Station: _____ Source:(23) Well (Test/Observati

Matrix:(10) Water-Total
Officer: Bailey, Marsha
Account: AGDD3A
Field Prep:(__) Unknown

Collected: 91/ 03/ 27
Received: 91/ 03/ 29

Comments: _____

Extracted: 91/04/09 Extractor: _____ Weight/Volume Extracted: _____

Analyzed: 91/04/09 12:21 Analyst: SVD Percent Solids: _____

Reviewed: 91/06/2[illegible] By: [illegible] Final Review: 7/11/91 By: JMS

IBM Report: ___/___/___ By: _____

Sample Volume (ml): 10 Standard Run: A W1099

Volume Water Aliquated (ml): — Std. Stock Solution #: _____

Dilution Factor: — Background Run: A3W1099

Tape Identification: 9-1991-5100E1 Calibration Run: A3F1099

Tape File Number: 7 Extraction Solvent: _____

Initial Vol. Extraction Solv.(ml): —

Volume Extract Aliquated (ul): —

Total Volume Purged (ml): 510 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, 1.8 u
Column Inside Diameter (mm): 0.32
Column Length (M): 30
Column Tubing Material: Fused Silica

Start Mass (AMU): 35
AMU/sec: 240
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) 1-APR-91 11:06 91130152

JUL 11 1991 KC

Sample Number
A91130152

ORGANICS ANALYSIS DATA SHEET
(Page 1)

Laboratory Name: MANCHESTER LAB
Case No: HWD-127A/1011
Lab Sample ID No:
QC Report No:
Sample Matrix: WATER
Contract No: AGDD3A
Data Release Authorized By:
Date Sample Received: 03/27/91

VOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared:
Date Analyzed: 04/09/91
Conc Factor: 5.000000 pH
Percent Moisture: (Not Decanted)

CAS Number		ug/L		CAS Number		ug/L	
74-87-3	Chloromethane	1	U	127-18-4	Tetrachloroethene	1	U
75-71-8	Dichlorodifluoromethane	1	U	79-34-5	1,1,2,2-Tetrachloroethane	1	U
74-83-9	Bromomethane	1	U	630-20-6	1,1,1,2-Tetrachloroethane	1	U
75-01-4	Vinyl Chloride	1	U	108-88-3	Toluene	~~0.1~~	U
75-00-3	Chloroethane	1	U	108-90-7	Chlorobenzene	1	U
75-69-4	Trichlorofluoromethane	1	U	100-41-4	Ethylbenzene	1	U
75-09-2	Methylene Chloride	1	U	100-42-5	Styrene	1	U
67-64-1	Acetone	1	U	108-86-1	Bromobenzene	1	U
75-15-0	Carbon Disulfide	1	U ~~0.2J~~	96-18-4	1,2,3-Trichloropropane	1	U
75-35-4	1,1-Dichloroethene	1	UJ	95-49-8	2-Chlorotoluene	1	U
75-34-3	1,1-Dichloroethane	1	U	106-43-4	4-Chlorotoluene	1	U
156-60-5	Trans-1,2-Dichloroethene	1	U	1330-20-7	Total Xylenes	1	U
156-59-2	Cis-1,2-Dichloroethene	1	U	95-63-6	1,2,4-Trimethylbenzene	1	U
590-20-7	2,2-Dichloropropane	1	U	98-06-6	Tert-Butylbenzene	1	U
74-97-5	Bromochloromethane	1	U	108-67-8	1,3,5-Trimethylbenzene	1	U
67-66-3	Chloroform	1	U	135-98-8	Sec-Butylbenzene	1	U
107-06-2	1,2-Dichloroethane	0.8J		99-87-6	p-Isopropyltoluene	1	U
78-93-3	2-Butanone	1	U ~~0.8JC~~	104-51-8	Butylbenzene	1	U
71-55-6	1,1,1-Trichloroethane	1	U	96-12-8	1,2-Dibromo-3-chloropropane	1	U
56-23-5	Carbon Tetrachloride	1	U	87-61-6	1,2,3-Trichlorobenzene	1	U
563-58-6	1,1-Dichloropropene	1	U	98-82-8	Isopropylbenzene	1	U
75-27-4	Bromodichloromethane	1	U	103-65-1	Propylbenzene	1	U
78-87-5	1,2-Dichloropropane	1	U		~~Total Xylenes~~	~~1~~	~~U~~
74-95-3	Dibromomethane	1	U	541-73-1	1,3-Dichlorobenzene	1	U
10061-02-6	Trans-1,3-Dichloropropene	1	U	106-46-7	1,4-Dichlorobenzene	1	U
79-01-6	Trichloroethene	1	U	95-50-1	1,2-Dichlorobenzene	1	U
124-48-1	Dibromochloromethane	1	U	120-82-1	1,2,4-Trichlorobenzene	1	U
106-93-4	1,2-Dibromoethane	1	U	91-20-3	Naphthalene	1	U
79-00-5	1,1,2-Trichloroethane	1	U	87-68-3	Hexachlorobutadiene	1	U
142-28-9	1,3-Dichloropropane	1	U			%	
71-43-2	Benzene	1	U	-762492	1-Bromo-2-Fluoroethane (SS)	111	
10061-01-5	cis-1,3-Dichloropropene	1	U	2747-58-2	Toluene (d8). (SS)	100	
75-25-2	Bromoform	1	U	-460-00-4	p-Bromofluorobenzene. (SS)	98	
591-78-6	2-Hexanone	1	U	17070-07-0	1,2-Dichloroethane-d4 (SS)	104	
108-10-1	4-Methyl-2-Pentanone	1	U	~~2199-69-1~~	~~1,2-Dichlorobenzene (SS~~	NAF	

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

Form I

07179902-02
KY

JUL 11

Laboratory Name: MANCHESTER LAB
Case No: HWD-127A/1011

Sample Number
A91130152

TENTATIVELY IDENTIFIED COMPOUNDS
(Page 4)

	CAS Number	Compound Name	Fraction	Scan Num	Estimated Conc ug/L	
1		CI10 1,4-DIFLUOROBENZENE (INTERNAL STANDARD)	VOA		10	J
2		CI20 CHLOROBENZENE-D5 (INTERNAL STANDARD)	VOA		10	J
3		CI30 1,4-DICHLOROBENZENE-D4 (INTERNAL STANDARD)	VOA		10	J

No semi-volatile compounds found.

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

Form I

JUL 11 KY

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

Sample: 91130152Y LMX1
Method: EP2-624 GC/MS Purge and Trap Scan
Project: HWD-127A RIDGEFIELD BRICK AND TILE
Station:
Source: (23) Well (Test/Observati

Matrix: (10) Water-Total
Officer: Bailey, Marsha
Account: AGDD3A
Field Prep: (__) Unknown

Collected: 91/ 03/ 27
Received: 91/ 03/ 29
Comments: spiked w/ 20ng most cpds

Extracted: 91/04/11 Extractor: Weight/Volume Extracted:
Analyzed: 91/04/11 10:58 Analyst: SVP Percent Solids:
Reviewed: 91/07/02 By: SVP Final Review: 7/11/91 By: JMB

IBM Report: __/__/__ By:

Sample Volume (ml): 10
Volume Water Aliquated (ml): —
Dilution Factor: —
Tape Identification: 9-1991-5100E1
Tape File Number: 23

Standard Run: AVW1101
Std. Stock Solution #: —
Background Run: ABW1101
Calibration Run: ABF1101
Extraction Solvent: —

Initial Vol. Extraction Solv. (ml): —
Volume Extract Aliquated (ul): —
Total Volume Purged (ml): 810

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, 1.8 u
Column Inside Diameter (mm): 0.32
Column Length (M): 30
Column Tubing Material: Fused Silica

Start Mass (AMU): 35
AMU/sec: 240
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) 1-APR-91 11:06 91130152

JUL 11 REC'D

Sample Number
A91130152Y

LMX1

ORGANICS ANALYSIS DATA SHEET
(Page 1)

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

Case No: HWD-127A/1011
QC Report No:
Contract No: AGDD3A
Date Sample Received: 03/27/91

VOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared:
Date Analyzed: 04/11/91
Conc Factor: 5.000000 pH
Percent Moisture: (Not Decanted)

CAS Number		%
74-87-3	Chloromethane	~~74~~ 65
75-71-8	Dichlorodifluoromethane	58
74-83-9	Bromomethane	~~70~~ 69
75-01-4	Vinyl Chloride	68
75-00-3	Chloroethane	~~74~~ 70
75-69-4	Trichlorofluoromethane	67
75-09-2	Methylene Chloride	96
67-64-1	Acetone	150
75-15-0	Carbon Disulfide	~~78~~ 68
75-35-4	1,1-Dichloroethene	75
75-34-3	1,1-Dichloroethane	88
156-60-5	Trans-1,2-Dichloroethene	80
156-59-2	Cis-1,2-Dichloroethene	84
590-20-7	2,2-Dichloropropane	86
74-97-5	Bromochloromethane	86
67-66-3	Chloroform	89
107-06-2	1,2-Dichloroethane	~~88~~ 48
78-93-3	2-Butanone	~~120~~ 83
71-55-6	1,1,1-Trichloroethane	88
56-23-5	Carbon Tetrachloride	84
563-58-6	1,1-Dichloropropene	81
75-27-4	Bromodichloromethane	86
78-87-5	1,2-Dichloropropane	84
74-95-3	Dibromomethane	90
10061-02-6	Trans-1,3-Dichloropropene	78
79-01-6	Trichloroethene	88
124-48-1	Dibromochloromethane	83
106-93-4	1,2-Dibromoethane	88
79-00-5	1,1,2-Trichloroethane	87
142-28-9	1,3-Dichloropropane	85
71-43-2	Benzene	84
10061-01-5	cis-1,3-Dichloropropene	79
75-25-2	Bromoform	90
591-78-6	2-Hexanone	90
108-10-1	4-Methyl-2-Pentanone	98

CAS Number		%
127-18-4	Tetrachloroethene	88
79-34-5	1,1,2,2-Tetrachloroethane	88
630-20-6	1,1,1,2-Tetrachloroethane	89
108-88-3	Toluene	~~88~~ 81
108-90-7	Chlorobenzene	86
100-41-4	Ethylbenzene	80
100-42-5	Styrene	80
108-86-1	Bromobenzene	86
96-18-4	1,2,3-Trichloropropane	80
95-49-8	2-Chlorotoluene	87
106-43-4	4-Chlorotoluene	88
1330-20-7	Total Xylenes	~~47~~ 80
95-63-6	1,2,4-Trimethylbenzene	84
98-06-6	Tert-Butylbenzene	81
108-67-8	1,3,5-Trimethylbenzene	81
135-98-8	Sec-Butylbenzene	78
99-87-6	p-Isopropyltoluene	81
104-51-8	Butylbenzene	83
96-12-8	1,2-Dibromo-3-chloropropane	99
87-61-6	1,2,3-Trichlorobenzene	~~110~~ 112
98-82-8	Isopropylbenzene	80
103-65-1	Propylbenzene	82
	~~Total Xylenes~~	~~160~~
541-73-1	1,3-Dichlorobenzene	90
106-46-7	1,4-Dichlorobenzene	92
95-50-1	1,2-Dichlorobenzene	87
120-82-1	1,2,4-Trichlorobenzene	~~110~~ 106
91-20-3	Naphthalene	~~120~~ 125
87-68-3	Hexachlorobutadiene	90
		%
-762492	1-Bromo-2-Fluoroethane (SS)	107
2747-58-2	Toluene (d8). (SS)	98
-460-00-4	p-Bromofluorobenzene. (SS)	99
17070-07-0	1,2-Dichloroethane-d4 (SS)	101
~~2199-69-1~~	~~1,2-Dichlorobenzene~~ (SS	NAF

Form I

07175502-03

JUL 11 REC'D

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

Sample: 91130152Z
Method: EP2-624 GC/MS Purge and Trap Scan
Project: HWD-127A RIDGEFIELD BRICK AND TILE
Station:
Source: (23) Well (Test/Observati

Matrix: (10) Water-Total
Officer: Bailey, Marsha
Account: AGDD3A
Field Prep: (__) Unknown

Collected: 91/ 03/ 27
Received: 91/ 03/ 29
Comments: spiked with 20 ng most spds

Extracted: 91/04/11 Extractor:
Weight/Volume Extracted:
Analyzed: 91/04/11 11:35 Analyst: SVP
Percent Solids:
Reviewed: 91/07/02 By: SVP
Final Review: 7/11/91 By: Jms
IBM Report: __/__/__ By:

Sample Volume (ml): 10
Volume Water Aliquated (ml): —
Dilution Factor: —
Tape Identification: 9-1991-5100E1
Tape File Number: 24
Initial Vol. Extraction Solv. (ml): —
Volume Extract Aliquated (ul): —
Total Volume Purged (ml): 510

Standard Run: AVW1101
Std. Stock Solution #: —
Background Run: ABW1101
Calibration Run: ABF1101
Extraction Solvent: —

Purge Temp. (deg. C): Ambient-H2O
Purge Flow (ml/min): 40
Purge Time (min): 11
Cryo Trap Temp. (deg. C): -150
Cryo Trap Time (min): 4

Dilution Factor: —
Desorb Temp. (deg. C): 220
Desorb Flow (ml/min): 12
Desorb Time (min): 4
Instrument: Finnigan
Carrier Gas: Helium
Gas Flow Rate (ml/min): 2
Run Time (min): 20

Column Coating, Film Thickness: DB-624, 105 u
Column Inside Diameter (mm): 0.32
Column Length (M): 30
Column Tubing Material: Fused Silica

Start Mass (AMU): 35
AMU/sec: 240
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) 1-APR-91 11:06 91130152

JUL 1 1991

Sample Number
A91130152Z

UMXZ

ORGANICS ANALYSIS DATA SHEET
(Page 1)

aboratory Name: MANCHESTER LAB
ab Sample ID No:
ample Matrix: WATER
ata Release Authorized By:

Case No: HWD-127A/1011
QC Report No:
Contract No: AGDD3A
Date Sample Received: 03/27/91

VOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared:
Date Analyzed: 04/11/91
Conc Factor: 5.000000 pH
Percent Moisture: (Not Decanted)

CAS Number		%
4-87-3	Chloromethane	~~92~~ 80
5-71-8	Dichlorodifluoromethane	37
4-83-9	Bromomethane	~~100~~ 94
5-01-4	Vinyl Chloride	80
5-00-3	Chloroethane	~~96~~ 91
5-69-4	Trichlorofluoromethane	96
5-09-2	Methylene Chloride	~~120~~ 123
7-64-1	Acetone	~~130~~ 126
5-15-0	Carbon Disulfide	~~96~~ 85
5-35-4	1,1-Dichloroethene	90
5-34-3	1,1-Dichloroethane	94
56-60-5	Trans-1,2-Dichloroethene	90
56-59-2	Cis-1,2-Dichloroethene	84
90-20-7	2,2-Dichloropropane	90
4-97-5	Bromochloromethane	88
7-66-3	Chloroform	88
07-06-2	1,2-Dichloroethane	~~84~~ 45
8-93-3	2-Butanone	~~120~~ 78
1-55-6	1,1,1-Trichloroethane	83
6-23-5	Carbon Tetrachloride	86
63-58-6	1,1-Dichloropropene	80
5-27-4	Bromodichloromethane	82
8-87-5	1,2-Dichloropropane	80
4-95-3	Dibromomethane	78
0061-02-6	Trans-1,3-Dichloropropene	72
9-01-6	Trichloroethene	82
24-48-1	Dibromochloromethane	80
06-93-4	1,2-Dibromoethane	78
79-00-5	1,1,2-Trichloroethane	78
42-28-9	1,3-Dichloropropane	78
1-43-2	Benzene	80
0061-01-5	cis-1,3-Dichloropropene	75
75-25-2	Bromoform	84
591-78-6	2-Hexanone	78
08-10-1	4-Methyl-2-Pentanone	83

CAS Number		%
127-18-4	Tetrachloroethene	83
79-34-5	1,1,2,2-Tetrachloroethane	84
630-20-6	1,1,1,2-Tetrachloroethane	84
108-88-3	Toluene	~~88~~ 81
108-90-7	Chlorobenzene	86
100-41-4	Ethylbenzene	81
100-42-5	Styrene	82
108-86-1	Bromobenzene	87
96-18-4	1,2,3-Trichloropropane	80
95-49-8	2-Chlorotoluene	88
106-43-4	4-Chlorotoluene	86
1330-20-7	Total Xylenes	~~49~~ 81
95-63-6	1,2,4-Trimethylbenzene	83
98-06-6	Tert-Butylbenzene	82
108-67-8	1,3,5-Trimethylbenzene	80
135-98-8	Sec-Butylbenzene	80
99-87-6	p-Isopropyltoluene	80
104-51-8	Butylbenzene	80
96-12-8	1,2-Dibromo-3-chloropropane	93
87-61-6	1,2,3-Trichlorobenzene	~~100~~ 102
98-82-8	Isopropylbenzene	80
103-65-1	Propylbenzene	84
	~~Total Xylenes~~	~~160~~
541-73-1	1,3-Dichlorobenzene	88
106-46-7	1,4-Dichlorobenzene	90
95-50-1	1,2-Dichlorobenzene	88
120-82-1	1,2,4-Trichlorobenzene	96
91-20-3	Naphthalene	98
87-68-3	Hexachlorobutadiene	92

		%
-762492	1-Bromo-2-Fluoroethane (SS)	98
2747-58-2	Toluene (d8). (SS)	96
-460-00-4	p-Bromofluorobenzene. (SS)	101
17070-07-0	1,2-Dichloroethane-d4 (SS)	98
~~2199-69-1~~	~~1,2-Dichlorobenzene (SS~~	NAF

Form I

07179902-04

JUL 11 RECD KY

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

Sample: 91130154
Method: EP2-624 GC/MS Purge and Trap Scan
Project: HWD-127A RIDGEFIELD BRICK AND TILE
Station: _____ Source:(23) Well (Test/Observati

Matrix:(10) Water-Total
Officer: Bailey, Marsha
Account: AGDD3A
Field Prep:(__) Unknown

Collected: 91/ 03/ 27
Received: 91/ 03/ 29
Comments: _____

Extracted: 91/04/09 Extractor: _____ Weight/Volume Extracted: _____
Analyzed: 91/04/09 14:06 Analyst: SVP Percent Solids: _____
Reviewed: 91/06/25 By: SVP Final Review: 7/11/91 By: JMB
IBM Report: __/__/__ By: _____

Sample Volume (ml): 10
Volume Water Aliquated (ml): —
Dilution Factor: —
Tape Identification: 9-1991-5100E1
Tape File Number: 8

Standard Run: AVW1099
Std. Stock Solution #: —
Background Run: ABW1099
Calibration Run: ABF1099
Extraction Solvent: _____

Initial Vol. Extraction Solv.(ml): —
Volume Extract Aliquated (ul): —
Total Volume Purged (ml): 510

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, 1.8 u
Column Inside Diameter (mm): 0.32
Column Length (M): 30
Column Tubing Material: Fused Silica

Start Mass (AMU): 35
AMU/sec: 240
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) 1-APR-91 11:06 91130154

Sample Number
A91130154

ORGANICS ANALYSIS DATA SHEET
(Page 1)

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

Case No: HWD-127A/1011
QC Report No:
Contract No: AGDD3A
Date Sample Received: 03/27/91

VOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared:
Date Analyzed: 04/09/91
Conc Factor: 5.000000 pH
Percent Moisture: (Not Decanted)

CAS Number		ug/L	CAS Number		ug/L
74-87-3	Chloromethane	0.05J	127-18-4	Tetrachloroethene	1 U
75-71-8	Dichlorodifluoromethane	1 U	79-34-5	1,1,2,2-Tetrachloroethane	1 U
74-83-9	Bromomethane	1 U	630-20-6	1,1,1,2-Tetrachloroethane	1 U
75-01-4	Vinyl Chloride	1 U	108-88-3	Toluene	~~0.2J~~ 1 U
75-00-3	Chloroethane	1 U	108-90-7	Chlorobenzene	1 U
75-69-4	Trichlorofluoromethane	1 U	100-41-4	Ethylbenzene	1 U
75-09-2	Methylene Chloride	1 U	100-42-5	Styrene	1 U
67-64-1	Acetone	1 U	108-86-1	Bromobenzene	1 U
75-15-0	Carbon Disulfide	0.2J	96-18-4	1,2,3-Trichloropropane	1 U
75-35-4	1,1-Dichloroethene	1 U	95-49-8	2-Chlorotoluene	1 U
75-34-3	1,1-Dichloroethane	1 U	106-43-4	4-Chlorotoluene	1 U
156-60-5	Trans-1,2-Dichloroethene	1 U	1330-20-7	Total Xylenes	1 U
156-59-2	Cis-1,2-Dichloroethene	1 U	95-63-6	1,2,4-Trimethylbenzene	1 U
590-20-7	2,2-Dichloropropane	1 U	98-06-6	Tert-Butylbenzene	1 U
74-97-5	Bromochloromethane	1 U	108-67-8	1,3,5-Trimethylbenzene	1 U
67-66-3	Chloroform	1 U	135-98-8	Sec-Butylbenzene	1 U
107-06-2	1,2-Dichloroethane	0.2J	99-87-6	p-Isopropyltoluene	1 U
78-93-3	2-Butanone	1 U ~~0.8J~~	104-51-8	Butylbenzene	1 U
71-55-6	1,1,1-Trichloroethane	1 U	96-12-8	1,2-Dibromo-3-chloropropane	1 U
56-23-5	Carbon Tetrachloride	1 U	87-61-6	1,2,3-Trichlorobenzene	1 U
563-58-6	1,1-Dichloropropene	1 U	98-82-8	Isopropylbenzene	1 U
75-27-4	Bromodichloromethane	1 U	103-65-1	Propylbenzene	1 U
78-87-5	1,2-Dichloropropane	1 U		~~Total Xylenes~~	~~1 U~~
74-95-3	Dibromomethane	1 U	541-73-1	1,3-Dichlorobenzene	1 U
10061-02-6	Trans-1,3-Dichloropropene	1 U	106-46-7	1,4-Dichlorobenzene	1 U
79-01-6	Trichloroethene	1 U	95-50-1	1,2-Dichlorobenzene	1 U
124-48-1	Dibromochloromethane	1 U	120-82-1	1,2,4-Trichlorobenzene	1 U
106-93-4	1,2-Dibromoethane	1 U	91-20-3	Naphthalene	1 U
79-00-5	1,1,2-Trichloroethane	1 U	87-68-3	Hexachlorobutadiene	1 U
142-28-9	1,3-Dichloropropane	1 U			%
71-43-2	Benzene	1 U	-762492	1-Bromo-2-Fluoroethane (SS)	120
10061-01-5	cis-1,3-Dichloropropene	1 U	2747-58-2	Toluene (d8) (SS)	100
75-25-2	Bromoform	1 U	-460-00-4	p-Bromofluorobenzene (SS)	96
591-78-6	2-Hexanone	1 U	17070-07-0	1,2-Dichloroethane-d4 (SS)	108
108-10-1	4-Methyl-2-Pentanone 1 U	~~0.03J~~	2199-69-1	~~1,2-Dichlorobenzene~~ (SS	NAF

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

07179902-05

Form I

RECEIVED

Laboratory Name: MANCHESTER LAB
Case No: HWD-127A/1011

Sample Number
A91130154

TENTATIVELY IDENTIFIED COMPOUNDS
(Page 4)

	CAS Number	Compound Name	Fraction	Scan Num	Estimated Conc ug/L	
1		C110 1,4-DIFLUOROBENZENE (INTERNAL STANDARD)	VOA		10	
2		C120 CHLOROBENZENE-D5 (INTERNAL STANDARD)	VOA		10	J
3		C130 1,4-DICHLOROBENZENE-D4 (INTERNAL STANDARD)	VOA		10	J

No semi-volatile compounds found.

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

Form I

JUL 11 REC'D

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

Sample: 91130156
Method: EP2-624 GC/MS Purge and Trap Scan
Project: HWD-127A RIDGEFIELD BRICK AND TILE
Station: Source:(23) Well (Test/Observati

Matrix:(10) Water-Total
Officer: Bailey, Marsha
Account: AGDD3A
Field Prep:(__) Unknown

Collected: 91/ 03/ 27
Received: 91/ 03/ 29

Comments:

Extracted: 91/04/09 Extractor:

Weight/Volume Extracted:

Analyzed: 91/04/09 11:4 Analyst: SMP

Percent Solids:

Reviewed: 91/07/1 By:

Final Review: 7/11/91 By: JMS

IBM Report: __/__/__ By:

Sample Volume (ml): 10

Volume Water Aliquated (ml): —

Dilution Factor: —

Tape Identification: 9-1991-5100E1

Tape File Number: 9

Standard Run: AW1099

Std. Stock Solution #: —

Background Run: AbW1099

Calibration Run: ABF1099

Extraction Solvent: —

Initial Vol. Extraction Solv.(ml): —

Volume Extract Aliquated (ul): —

Total Volume Purged (ml): 510

Dilution Factor: —

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

Desorb Temp.(deg. C): 20
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, 1.8 u
Column Inside Diameter (mm): 0.32
Column Length (M): 30
Column Tubing Material: Fused Silica

Start Mass (AMU): 35
AMU/sec: 240
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)

1-APR-91 11:06 91130156

11 DEC'D

Sample Number
A91130156

ORGANICS ANALYSIS DATA SHEET
(Page 1)

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

Case No: HWD-127A/1011
QC Report No:
Contract No: AGDD3A
Date Sample Received: 03/27/91

VOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared:
Date Analyzed: 04/09/91
Conc Factor: 5.000000 pH
Percent Moisture: (Not Decanted)

CAS Number		ug/L	CAS Number		ug/L
74-87-3	Chloromethane	0.1J	127-18-4	Tetrachloroethene	1 U
75-71-8	Dichlorodifluoromethane	1 U	79-34-5	1,1,2,2-Tetrachloroethane	1 U
74-83-9	Bromomethane	1 U	630-20-6	1,1,1,2-Tetrachloroethane	1 U
75-01-4	Vinyl Chloride	1 U	108-88-3	Toluene JMS 1 U	~~0.07J~~
75-00-3	Chloroethane	1 U	108-90-7	Chlorobenzene	1 U
75-69-4	Trichlorofluoromethane	1 U	100-41-4	Ethylbenzene	1 U
75-09-2	Methylene Chloride JMS 1 U	~~0.8J~~	100-42-5	Styrene	1 U
67-64-1	Acetone	1 U	108-86-1	Bromobenzene	1 U
75-15-0	Carbon Disulfide JMS 1 U	~~0.2J~~	96-18-4	1,2,3-Trichloropropane	1 U
75-35-4	1,1-Dichloroethene	1 U	95-49-8	2-Chlorotoluene	1 U
75-34-3	1,1-Dichloroethane	1 U	106-43-4	4-Chlorotoluene	1 U
156-60-5	Trans-1,2-Dichloroethene	1 U	1330-20-7	Total Xylenes JMS ~~0.02~~ U 1U	
156-59-2	Cis-1,2-Dichloroethene	1 U	95-63-6	1,2,4-Trimethylbenzene JMS 1U ~~0.03U~~	
590-20-7	2,2-Dichloropropane	1 U	98-06-6	Tert-Butylbenzene	1 U
74-97-5	Bromochloromethane	1 U	108-67-8	1,3,5-Trimethylbenzene	1 U
67-66-3	Chloroform	0.1J	135-98-8	Sec-Butylbenzene	1 U
107-06-2	1,2-Dichloroethane	0.5J	99-87-6	p-Isopropyltoluene	1 U
78-93-3	2-Butanone JMS 1U	~~1UC~~	104-51-8	Butylbenzene	1 U
71-55-6	1,1,1-Trichloroethane	1 U	96-12-8	1,2-Dibromo-3-chloropropane	1 U
56-23-5	Carbon Tetrachloride	1 U	87-61-6	1,2,3-Trichlorobenzene	1 U
563-58-6	1,1-Dichloropropene	1 U	98-82-8	Isopropylbenzene	1 U
75-27-4	Bromodichloromethane	1 U	103-65-1	Propylbenzene	1 U
78-87-5	1,2-Dichloropropane	1 U		~~Total Xylenes JMS 0.02J~~	
74-95-3	Dibromomethane	1 U	541-73-1	1,3-Dichlorobenzene	1 U
10061-02-6	Trans-1,3-Dichloropropene	1 U	106-46-7	1,4-Dichlorobenzene	1 U
79-01-6	Trichloroethene	1 U	95-50-1	1,2-Dichlorobenzene	1 U
124-48-1	Dibromochloromethane	1 U	120-82-1	1,2,4-Trichlorobenzene	1 U
106-93-4	1,2-Dibromoethane	1 U	91-20-3	Naphthalene	1 U
79-00-5	1,1,2-Trichloroethane	1 U	87-68-3	Hexachlorobutadiene	1 U
142-28-9	1,3-Dichloropropane	1 U			%
71-43-2	Benzene	1 U	-762492	1-Bromo-2-Fluoroethane (SS)	118
10061-01-5	cis-1,3-Dichloropropene	1 U	2747-58-2	Toluene (d8) (SS)	101
75-25-2	Bromoform	1 U	-460-00-4	p-Bromofluorobenzene (SS)	101
591-78-6	2-Hexanone	1 U	17070-07-0	1,2-Dichloroethane-d4 (SS)	111
108-10-1	4-Methyl-2-Pentanone	1 U	2199-69-1	~~1,2-Dichlorobenzene JMS (SS~~	NAF

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

Form I

07179902-06

JUL 11 RECD KY

Laboratory Name: MANCHESTER LAB
Case No: HWD-127A/1011

Sample Number
A91130156

TENTATIVELY IDENTIFIED COMPOUNDS
(Page 4)

	CAS Number	Compound Name	Fraction	Scan Num	Estimated Conc ug/L	
1		C110 1,4-DIFLUOROBENZENE (INTERNAL STANDARD)	VOA		10	J
2		C120 CHLOROBENZENE-D5 (INTERNAL STANDARD)	VOA		10	J
3		C130 1,4-DICHLOROBENZENE-D4 (INTERNAL STANDARD)	VOA		10	J

No semi-volatile compounds found.

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

Form I

JUL 11 REC'D KY

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

Sample: 91130158
Method: EP2-624 GC/MS Purge and Trap Scan
Project: HWD-127A RIDGEFIELD BRICK AND TILE
Station: _____ Source:(23) Well (Test/Observati

Matrix:(10) Water-Total
Officer: Bailey, Marsha
Account: AGDD3A
Field Prep:(__) Unknown

Collected: 91/ 03/ 27
Received: 91/ 03/ 29

Comments: _____

Extracted: 91/04/09 Extractor: _____ Weight/Volume Extracted: _____

Analyzed: 91/04/09 15:45 Analyst: SVP Percent Solids: _____

Reviewed: 91/07/01 By: SVP Final Review: 7/11/91 By: JMS

IBM Report: __/__/__ By: _____

Sample Volume (ml): 10
Volume Water Aliquated (ml): —
Dilution Factor: —
Tape Identification: 9-1991-5100E1
Tape File Number: 10

Standard Run: AVJ1099
Std. Stock Solution #: —
Background Run: ABJ1099
Calibration Run: ABF1099
Extraction Solvent: —

Initial Vol. Extraction Solv.(ml): —
Volume Extract Aliquated (ul): —
Total Volume Purged (ml): 510

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, 1.8 u
Column Inside Diameter (mm): 0.32
Column Length (M): 30
Column Tubing Material: Fused Silica

Start Mass (AMU): 35
AMU/sec: 240
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) 1-APR-91 11:06 91130158

Sample Number
A91130158

ORGANICS ANALYSIS DATA SHEET
(Page 1)

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

Case No: HWD-127A/1011
QC Report No:
Contract No: AGDD3A
Date Sample Received: 03/27/91

VOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared:
Date Analyzed: 04/09/91
Conc Factor: 5.000000 pH
Percent Moisture: (Not Decanted)

CAS Number		ug/L		CAS Number		ug/L	
74-87-3	Chloromethane	1	U	127-18-4	Tetrachloroethene	1	U
75-71-8	Dichlorodifluoromethane	1	U	79-34-5	1,1,2,2-Tetrachloroethane	1	U
74-83-9	Bromomethane	1	U	630-20-6	1,1,1,2-Tetrachloroethane	1	U
75-01-4	Vinyl Chloride	1	U	108-88-3	Toluene	1	U
75-00-3	Chloroethane	1	U	108-90-7	Chlorobenzene	1	U
75-69-4	Trichlorofluoromethane	1	U	100-41-4	Ethylbenzene	1	U
75-09-2	Methylene Chloride JM	1	U	100-42-5	Styrene	1	U
67-64-1	Acetone	1	U	108-86-1	Bromobenzene	1	U
75-15-0	Carbon Disulfide JM 21.6U			96-18-4	1,2,3-Trichloropropane	1	U
75-35-4	1,1-Dichloroethene	1	U	95-49-8	2-Chlorotoluene	1	U
75-34-3	1,1-Dichloroethane	1	U	106-43-4	4-Chlorotoluene	1	U
156-60-5	Trans-1,2-Dichloroethene	1	U	1330-20-7	Total Xylenes	1	U
156-59-2	Cis-1,2-Dichloroethene	1	U	95-63-6	1,2,4-Trimethylbenzene	1	U
590-20-7	2,2-Dichloropropane	1	U	98-06-6	Tert-Butylbenzene	1	U
74-97-5	Bromochloromethane	1	U	108-67-8	1,3,5-Trimethylbenzene	1	U
67-66-3	Chloroform	1	U	135-98-8	Sec-Butylbenzene	1	U
107-06-2	1,2-Dichloroethane JM	1	U	99-87-6	p-Isopropyltoluene	1	U
78-93-3	2-Butanone JM	1	U	104-51-8	Butylbenzene	1	U
71-55-6	1,1,1-Trichloroethane	1	U	96-12-8	1,2-Dibromo-3-chloropropane	1	U
56-23-5	Carbon Tetrachloride	1	U	87-61-6	1,2,3-Trichlorobenzene	1	U
563-58-6	1,1-Dichloropropene	1	U	98-82-8	Isopropylbenzene	1	U
75-27-4	Bromodichloromethane	1	U	103-65-1	Propylbenzene	1	U
78-87-5	1,2-Dichloropropane	1	U		~~Total Xylenes~~ JM	~~1~~	~~U~~
74-95-3	Dibromomethane	1	U	541-73-1	1,3-Dichlorobenzene	1	U
10061-02-6	Trans-1,3-Dichloropropene	1	U	106-46-7	1,4-Dichlorobenzene	1	U
79-01-6	Trichloroethene	1	U	95-50-1	1,2-Dichlorobenzene	1	U
124-48-1	Dibromochloromethane	1	U	120-82-1	1,2,4-Trichlorobenzene	1	U
106-93-4	1,2-Dibromoethane	1	U	91-20-3	Naphthalene	1	U
79-00-5	1,1,2-Trichloroethane	1	U	87-68-3	Hexachlorobutadiene	1	U
142-28-9	1,3-Dichloropropane	1	U			%	
71-43-2	Benzene	1	U	-762492	1-Bromo-2-Fluoroethane (SS)	122	
10061-01-5	cis-1,3-Dichloropropene	1	U	2747-58-2	Toluene (d8). (SS)	98	
75-25-2	Bromoform	1	U	-460-00-4	p-Bromofluorobenzene. (SS)	100	
591-78-6	2-Hexanone	1	U	17070-07-0	1,2-Dichloroethane-d4 (SS)	111	
108-10-1	4-Methyl-2-Pentanone	1	U	2199-69-1	~~1,2-Dichlorobenzene-d4 (SS)~~ JM	NAF	

U - Compound analyzed for but not detected. The reported value is the minimum sample PQL.

Form I

07179902-07

JUL 11 1991 KY

Laboratory Name: MANCHESTER LAB
Case No: HWD-127A/1011

Sample Number
A91130158

TENTATIVELY IDENTIFIED COMPOUNDS
(Page 4)

	CAS Number	Compound Name	Fraction	Scan Num	Estimated Conc ug/L	
1		CI10 1,4-DIFLUOROBENZENE (INTERNAL STANDARD)	VOA		10	J
2		CI20 CHLOROBENZENE-D5 (INTERNAL STANDARD)	VOA		10	J
3		CI30 1,4-DICHLOROBENZENE-D4 (INTERNAL STANDARD)	VOA		10	J

No semi-volatile compounds found.

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

Form I

JUL 11 REC'D KY

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

Sample: 91130160
Method: EP2-624 GC/MS Purge and Trap Scan
Project: HWD-127A RIDGEFIELD BRICK AND TILE
Station: _____ Source:(23) Well (Test/Observati

Matrix:(10) Water-Total
Officer: Bailey, Marsha
Account: AGDD3A
Field Prep:(__) Unknown

Collected: 91/ 03/ 27
Received: 91/ 03/ 29

Comments: _____

Extracted: 91/04/10 Extractor: _____ Weight/Volume Extracted: _____

Analyzed: 91/04/10 11:42 Analyst: [illegible] Percent Solids: _____

Reviewed: 91/04/11 By: [illegible] Final Review: 4/11/91 By: [illegible]

IBM Report: __/__/__ By: _____

Sample Volume (ml): 10
Volume Water Aliquated (ml): —
Dilution Factor: —
Tape Identification: 9-1991-5100E1
Tape File Number: 14

Standard Run: VW1100
Std. Stock Solution #: —
Background Run: ABW1100
Calibration Run: ABF1100
Extraction Solvent: —

Initial Vol. Extraction Solv.(ml): —
Volume Extract Aliquated (ul): —
Total Volume Purged (ml): 810

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, 1.8 u
Column Inside Diameter (mm): 0.32
Column Length (M): 30
Column Tubing Material: Fused Silica

Start Mass (AMU): 35
AMU/sec: 240
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) 1-APR-91 11:06 91130160

JUL 11 RECD

Sample Number
A91130160

ORGANICS ANALYSIS DATA SHEET
(Page 1)

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

Case No: HWD-127A/1011
QC Report No:
Contract No: AGDD3A
Date Sample Received: 03/27/91

VOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared:
Date Analyzed: 04/10/91
Conc Factor: 5.000000 pH
Percent Moisture: (Not Decanted)

CAS Number		ug/L		CAS Number		ug/L	
74-87-3	Chloromethane	1	U	127-18-4	Tetrachloroethene	1	U
75-71-8	Dichlorodifluoromethane	1	U	79-34-5	1,1,2,2-Tetrachloroethane	1	U
74-83-9	Bromomethane	1	U	630-20-6	1,1,1,2-Tetrachloroethane	1	U
75-01-4	Vinyl Chloride	1	U	108-88-3	Toluene	1u	~~0.05J~~
75-00-3	Chloroethane	1	U	108-90-7	Chlorobenzene	1	U
75-69-4	Trichlorofluoromethane	1	U	100-41-4	Ethylbenzene	1	U
75-09-2	Methylene Chloride	1	U	100-42-5	Styrene	1	U
67-64-1	Acetone	1	U	108-86-1	Bromobenzene	1	U
75-15-0	Carbon Disulfide	1	U	96-18-4	1,2,3-Trichloropropane	1	U
75-35-4	1,1-Dichloroethene	1	U	95-49-8	2-Chlorotoluene	1	U
75-34-3	1,1-Dichloroethane	1	U	106-43-4	4-Chlorotoluene	1	U
156-60-5	Trans-1,2-Dichloroethene	1	U	1330-20-7	Total Xylenes	1	U
156-59-2	Cis-1,2-Dichloroethene	1	U	95-63-6	1,2,4-Trimethylbenzene	1	U
590-20-7	2,2-Dichloropropane	1	U	98-06-6	Tert-Butylbenzene	1	U
74-97-5	Bromochloromethane	1	U	108-67-8	1,3,5-Trimethylbenzene	1	U
67-66-3	Chloroform	0.04	J	135-98-8	Sec-Butylbenzene	1	U
107-06-2	1,2-Dichloroethane	1	U	99-87-6	p-Isopropyltoluene	1	U
78-93-3	2-Butanone	1	U	104-51-8	Butylbenzene	1	U
71-55-6	1,1,1-Trichloroethane	1	U	96-12-8	1,2-Dibromo-3-chloropropane	1	U
56-23-5	Carbon Tetrachloride	1	U	87-61-6	1,2,3-Trichlorobenzene	1	U
563-58-6	1,1-Dichloropropene	1	U	98-82-8	Isopropylbenzene	1	U
75-27-4	Bromodichloromethane	1	U	103-65-1	Propylbenzene	1	U
78-87-5	1,2-Dichloropropane	1	U		~~Total Xylenes~~	~~1~~	~~U~~
74-95-3	Dibromomethane	1	U	541-73-1	1,3-Dichlorobenzene	1	U
10061-02-6	Trans-1,3-Dichloropropene	1	U	106-46-7	1,4-Dichlorobenzene	1	U
79-01-6	Trichloroethene	1	U	95-50-1	1,2-Dichlorobenzene	1	U
124-48-1	Dibromochloromethane	1	U	120-82-1	1,2,4-Trichlorobenzene	1	U
106-93-4	1,2-Dibromoethane	1	U	91-20-3	Naphthalene	1	U
79-00-5	1,1,2-Trichloroethane	1	U	87-68-3	Hexachlorobutadiene	1	U
142-28-9	1,3-Dichloropropane	1	U			%	
71-43-2	Benzene	1	U	-762492	1-Bromo-2-Fluoroethane (SS)	89	
10061-01-5	cis-1,3-Dichloropropene	1	U	2747-58-2	Toluene (d8). (SS)	91	
75-25-2	Bromoform	1	U	-460-00-4	p-Bromofluorobenzene. (SS)	100	
591-78-6	2-Hexanone	1	U	17070-07-0	1,2-Dichloroethane-d4 (SS)	95	
108-10-1	4-Methyl-2-Pentanone	1	U	~~2199-69-1~~	~~1,2-Dichlorobenzene-d4 (SS)~~	NAF	

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

07179902-08

Form I

JUL 11 REC'D KY

Laboratory Name: MANCHESTER LAB
Case No: HWD-127A/1011

Sample Number
A91130160

TENTATIVELY IDENTIFIED COMPOUNDS
(Page 4)

	CAS Number	Compound Name	Fraction	Scan Num	Estimated Conc ug/L	
1		CI10 1,4-DIFLUOROBENZENE (INTERNAL STANDARD)	VOA		10	J
2		CI20 CHLOROBENZENE-D5 (INTERNAL STANDARD)	VOA		10	J
3		CI30 1,4-DICHLOROBENZENE-D4 (INTERNAL STANDARD)	VOA		10	J

No semi-volatile compounds found.

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

Form I

JUL 11 REC'D KY

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

Sample: 91130161
Method: EP2-624 GC/MS Purge and Trap Scan
Project: HWD-127A RIDGEFIELD BRICK AND TILE
Station: _____ Source:(23) Well (Test/Observati

Matrix:(10) Water-Total
Officer: Bailey, Marsha
Account: AGDD3A
Field Prep:(__) Unknown

Collected: 91/ 03/ 28
Received: 91/ 03/ 29

Comments: _____

Extracted: 91/04/10 Extractor: _____ Weight/Volume Extracted: _____

Analyzed: 91/04/10 13:11 Analyst: SVP Percent Solids: _____

Reviewed: 91/07/01 By: SVP Final Review: 7/11/91 By: JMB

IBM Report: __/__/__ By: _____

Sample Volume (ml): 10
Volume Water Aliquated (ml): —
Dilution Factor: —
Tape Identification: 9-1991-5100E1
Tape File Number: 15

Standard Run: AVJ1100
Std. Stock Solution #: —
Background Run: AB.J1100
Calibration Run: ACF1100
Extraction Solvent: —

Initial Vol. Extraction Solv.(ml): —
Volume Extract Aliquated (ul): —
Total Volume Purged (ml): 5.0

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, 1.8 u
Column Inside Diameter (mm): 0.32
Column Length (M): 30
Column Tubing Material: Fused Silica

Start Mass (AMU): 35
AMU/sec: 240
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) 1-APR-91 11:06 91130161

JUL 11 REC'D

Sample Number
A91130161

ORGANICS ANALYSIS DATA SHEET
(Page 1)

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

Case No: HWD-127A/1011
QC Report No:
Contract No: AGDD3A
Date Sample Received: 03/28/91

VOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared:
Date Analyzed: 04/10/91
Conc Factor: 5.000000 pH
Percent Moisture: (Not Decanted)

CAS Number		ug/L		CAS Number		ug/L	
74-87-3	Chloromethane	1	U	127-18-4	Tetrachloroethene	1	U
75-71-8	Dichlorodifluoromethane	1	U	79-34-5	1,1,2,2-Tetrachloroethane	1	U
74-83-9	Bromomethane	1	U	630-20-6	1,1,1,2-Tetrachloroethane	1	U
75-01-4	Vinyl Chloride	1	U	108-88-3	Toluene	1	U
75-00-3	Chloroethane	1	U	108-90-7	Chlorobenzene	1	U
75-69-4	Trichlorofluoromethane	1	U	100-41-4	Ethylbenzene	1	U
75-09-2	Methylene Chloride	1	U	100-42-5	Styrene	1	U
67-64-1	Acetone	1	U	108-86-1	Bromobenzene	1	U
75-15-0	Carbon Disulfide	1	U	96-18-4	1,2,3-Trichloropropane	1	U
75-35-4	1,1-Dichloroethene	1	U	95-49-8	2-Chlorotoluene	1	U
75-34-3	1,1-Dichloroethane	1	U	106-43-4	4-Chlorotoluene	1	U
156-60-5	Trans-1,2-Dichloroethene	1	U	1330-20-7	Total Xylenes JMB ~~0.115~~	~~0.02J~~	JM
156-59-2	Cis-1,2-Dichloroethene	1	U	95-63-6	1,2,4-Trimethylbenzene	1	U
590-20-7	2,2-Dichloropropane	1	U	98-06-6	Tert-Butylbenzene	1	U
74-97-5	Bromochloromethane	1	U	108-67-8	1,3,5-Trimethylbenzene	1	U
67-66-3	Chloroform	~~5~~ 4.6		135-98-8	Sec-Butylbenzene	1	U
107-06-2	1,2-Dichloroethane	1	U	99-87-6	p-Isopropyltoluene	1	U
78-93-3	2-Butanone	1	U	104-51-8	Butylbenzene	1	U
71-55-6	1,1,1-Trichloroethane	1	U	96-12-8	1,2-Dibromo-3-chloropropane	1	U
56-23-5	Carbon Tetrachloride	1	U	87-61-6	1,2,3-Trichlorobenzene	1	U
563-58-6	1,1-Dichloropropene	1	U	98-82-8	Isopropylbenzene	1	U
75-27-4	Bromodichloromethane JMB ~~0.125~~	~~0.01J~~	JM	103-65-1	Propylbenzene	1	U
78-87-5	1,2-Dichloropropane	1	U		~~Total Xylenes~~ JMB	~~0.09J~~	
74-95-3	Dibromomethane	1	U	541-73-1	1,3-Dichlorobenzene	1	U
10061-02-6	Trans-1,3-Dichloropropene	1	U	106-46-7	1,4-Dichlorobenzene	1	U
79-01-6	Trichloroethene	1	U	95-50-1	1,2-Dichlorobenzene	1	U
124-48-1	Dibromochloromethane	0.08J		120-82-1	1,2,4-Trichlorobenzene	1	U
106-93-4	1,2-Dibromoethane	1	U	91-20-3	Naphthalene	1	U
79-00-5	1,1,2-Trichloroethane	1	U	87-68-3	Hexachlorobutadiene	1	U
142-28-9	1,3-Dichloropropane	1	U			%	
71-43-2	Benzene	1	U	-762492	1-Bromo-2-Fluoroethane (SS)	97	
10061-01-5	cis-1,3-Dichloropropene	1	U	2747-58-2	Toluene (d8). (SS)	90	
75-25-2	Bromoform	1	U	-460-00-4	p-Bromofluorobenzene. (SS)	90	
591-78-6	2-Hexanone	1	U	17070-07-0	1,2-Dichloroethane-d4 (SS)	88	
108-10-1	4-Methyl-2-Pentanone	1	U	~~2199-69-1~~	~~1,2-Dichlorobenzene JMB (SS~~	NAF	

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

Form I

0717902-09

JUL 11 REC'D KY

abcratory Name: MANCHESTER LAB
ase No: HWD-127A/1011

Sample Number
A91130161

TENTATIVELY IDENTIFIED COMPOUNDS
(Page 4)

	CAS Number	Compound Name	Fraction	Scan Num	Estimated Conc ug/L	
1		C110 1,4-DIFLUOROBENZENE (INTERNAL STANDARD)	VOA		10	J
2		C120 CHLOROBENZENE-D5 (INTERNAL STANDARD)	VOA		10	J
3		C130 1,4-DICHLOROBENZENE-D4 (INTERNAL STANDARD)	VOA		10	J

No semi-volatile compounds found.

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

Form I

JUL 11 REC'D KY

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

Sample: 91130162
Method: EP2-624 GC/MS Purge and Trap Scan
Project: HWD-127A RIDGEFIELD BRICK AND TILE
Station: _____ Source:(23) Well (Test/Observati

Matrix:(10) Water-Total
Officer: Bailey, Marsha
Account: AGDD3A
Field Prep:(__) Unknown

Collected: 91/ 03/ 28
Received: 91/ 03/ 29

Comments: _____

Extracted: 91/04/10 Extractor: _____ Weight/Volume Extracted: _____

Analyzed: 91/04/10 13:51 Analyst: [illegible] Percent Solids: _____

Reviewed: 91/07/01 By: [illegible] Final Review: 7/11/91 By: JMB

IBM Report: __/__/__ By: _____

Sample Volume (ml): 10
Volume Water Aliquated (ml): —
Dilution Factor: —
Tape Identification: 9-1991--5100E1
Tape File Number: 16

Standard Run: AVW1100
Std. Stock Solution #: —
Background Run: ABW1100
Calibration Run: ABF1100
Extraction Solvent: —

Initial Vol. Extraction Solv.(ml): —
Volume Extract Aliquated (ul): —
Total Volume Purged (ml): 510

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, 1.8 u
Column Inside Diameter (mm): 0.32
Column Length (M): 30
Column Tubing Material: Fused Silica

Start Mass (AMU): 35
AMU/sec: 240
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) 1-APR-91 11:06 91130162

JUL 11 RECD

Sample Number
A91130162

ORGANICS ANALYSIS DATA SHEET
(Page 1)

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

Case No: HWD-127A/1011
QC Report No:
Contract No: AGDD3A
Date Sample Received: 03/28/91

VOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared:
Date Analyzed: 04/10/91
Conc Factor: 5.000000 pH
Percent Moisture: (Not Decanted)

CAS Number		ug/L	CAS Number		ug/L
74-87-3	Chloromethane	~~0.1~~ 1 U	127-18-4	Tetrachloroethene	1 U
75-71-8	Dichlorodifluoromethane	1 U	79-34-5	1,1,2,2-Tetrachloroethane	1 U
74-83-9	Bromomethane	1 U	630-20-6	1,1,1,2-Tetrachloroethane	1 U
75-01-4	Vinyl Chloride	1 U	108-88-3	Toluene	1 U
75-00-3	Chloroethane	0.1J	108-90-7	Chlorobenzene	1 U
75-69-4	Trichlorofluoromethane	1 U	100-41-4	Ethylbenzene	1 U
75-09-2	Methylene Chloride	1 U	100-42-5	Styrene	1 U
67-64-1	Acetone	1 U	108-86-1	Bromobenzene	1 U
75-15-0	Carbon Disulfide	~~0.2~~ 1 U	96-18-4	1,2,3-Trichloropropane	1 U
75-35-4	1,1-Dichloroethene	1 U	95-49-8	2-Chlorotoluene	1 U
75-34-3	1,1-Dichloroethane	0.2J	106-43-4	4-Chlorotoluene	1 U
156-60-5	Trans-1,2-Dichloroethene	1 U	1330-20-7	Total Xylenes	1 U
156-59-2	Cis-1,2-Dichloroethene	1 U	95-63-6	1,2,4-Trimethylbenzene	1 U
590-20-7	2,2-Dichloropropane	1 U	98-06-6	Tert-Butylbenzene	1 U
74-97-5	Bromochloromethane	1 U	108-67-8	1,3,5-Trimethylbenzene	1 U
67-66-3	Chloroform	1 U	135-98-8	Sec-Butylbenzene	1 U
107-06-2	1,2-Dichloroethane	1.4	99-87-6	p-Isopropyltoluene	1 U
78-93-3	2-Butanone	~~21.5~~ 1.5 U	104-51-8	Butylbenzene	1 U
71-55-6	1,1,1-Trichloroethane	1 U	96-12-8	1,2-Dibromo-3-chloropropane	1 U
56-23-5	Carbon Tetrachloride	1 U	87-61-6	1,2,3-Trichlorobenzene	1 U
563-58-6	1,1-Dichloropropene	1 U	98-82-8	Isopropylbenzene	1 U
75-27-4	Bromodichloromethane	1 U	103-65-1	Propylbenzene	1 U
78-87-5	1,2-Dichloropropane	1 U		~~Total Xylenes~~	~~1 U~~
74-95-3	Dibromomethane	1 U	541-73-1	1,3-Dichlorobenzene	1 U
10061-02-6	Trans-1,3-Dichloropropene	1 U	106-46-7	1,4-Dichlorobenzene	1 U
79-01-6	Trichloroethene	1 U	95-50-1	1,2-Dichlorobenzene	1 U
124-48-1	Dibromochloromethane	1 U	120-82-1	1,2,4-Trichlorobenzene	1 U
106-93-4	1,2-Dibromoethane	1 U	91-20-3	Naphthalene	~~0.5J~~ 1 U
79-00-5	1,1,2-Trichloroethane	1 U	87-68-3	Hexachlorobutadiene	1 U
142-28-9	1,3-Dichloropropane	1 U			%
71-43-2	Benzene	1 U	-762492	1-Bromo-2-Fluoroethane (SS)	111
10061-01-5	cis-1,3-Dichloropropene	1 U	2747-58-2	Toluene (d8) (SS)	92
75-25-2	Bromoform	1 U	-460-00-4	p-Bromofluorobenzene (SS)	93
591-78-6	2-Hexanone	1 U	17070-07-0	1,2-Dichloroethane-d4 (SS)	104
108-10-1	4-Methyl-2-Pentanone	1 U	~~2199-69-1~~	~~1,2-Dichlorobenzene (SS~~	NAF

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

07179902-10

Form I

JUL 1 - REC'D

Laboratory Name: MANCHESTER LAB
Case No: HWD-127A/1011

Sample Number
A91130162

TENTATIVELY IDENTIFIED COMPOUNDS
(Page 4)

	CAS Number	Compound Name	Fraction	Scan Num	Estimated Conc ug/L	
1		CI10 1,4-DIFLUOROBENZENE (INTERNAL STANDARD)	VOA		10	J
2		CI20 CHLOROBENZENE-D5 (INTERNAL STANDARD)	VOA		10	J
3		CI30 1,4-DICHLOROBENZENE-D4 (INTERNAL STANDARD)	VOA		10	J

No semi-volatile compounds found.

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

Form I

JUL 1 1 REC'D

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

Sample: 91130164
Method: EP2-624 GC/MS Purge and Trap Scan
Project: HWD-127A RIDGEFIELD BRICK AND TILE
Station: _____ Source:(23) Well (Test/Observati

Matrix:(10) Water-Total
Officer: Bailey, Marsha
Account: AGDD3A
Field Prep:(__) Unknown

Collected: 91/ 03/ 28
Received: 91/ 03/ 29

Comments: _____

Extracted: 91/04/10 Extractor: _____ Weight/Volume Extracted: _____

Analyzed: 91/04/10 14:31 Analyst: SVP Percent Solids: _____

Reviewed: 91/07/02 By: SVP Final Review: 7/11/91 By: JMS

IBM Report: __/__/__ By: _____

Sample Volume (ml): 10
Volume Water Aliquated (ml): —
Dilution Factor: —
Tape Identification: 9-1991-5100E1
Tape File Number: 17

Standard Run: AVW1100
Std. Stock Solution #: —
Background Run: ABW1100
Calibration Run: ABF1100
Extraction Solvent: —

Initial Vol. Extraction Solv.(ml): —
Volume Extract Aliquated (ul): —
Total Volume Purged (ml): 810

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, 1.8 u
Column Inside Diameter (mm): 0.32
Column Length (M): 30
Column Tubing Material: Fused Silica

Start Mass (AMU): 35
AMU/sec: 240
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) 1-APR-91 11:06 91130164

JUL 11 REC'D

Sample Number
A91130164

ORGANICS ANALYSIS DATA SHEET
(Page 1)

Laboratory Name: MANCHESTER LAB
Case No: HWD-127A/1011
Lab Sample ID No:
QC Report No:
Sample Matrix: WATER
Contract No: AGDD3A
Data Release Authorized By:
Date Sample Received: 03/28/91

VOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared:
Date Analyzed: 04/10/91
Conc Factor: 5.000000 pH
Percent Moisture: (Not Decanted)

CAS Number		ug/L		CAS Number		ug/L	
74-87-3	Chloromethane	1	U	127-18-4	Tetrachloroethene	1	U
75-71-8	Dichlorodifluoromethane	1	U	79-34-5	1,1,2,2-Tetrachloroethane	1	U
74-83-9	Bromomethane	1	U	630-20-6	1,1,1,2-Tetrachloroethane	1	U
75-01-4	Vinyl Chloride	1	U	108-88-3	Toluene	~~0.3J~~ 1	U
75-00-3	Chloroethane	1	U	108-90-7	Chlorobenzene	1	U
75-69-4	Trichlorofluoromethane	1	U	100-41-4	Ethylbenzene	1	U
75-09-2	Methylene Chloride	1	U	100-42-5	Styrene	1	U
67-64-1	Acetone	1	U	108-86-1	Bromobenzene	1	U
75-15-0	Carbon Disulfide	1	U	96-18-4	1,2,3-Trichloropropane	1	U
75-35-4	1,1-Dichloroethene	1	U	95-49-8	2-Chlorotoluene	1	U
75-34-3	1,1-Dichloroethane	1	U	106-43-4	4-Chlorotoluene	1	U
156-60-5	Trans-1,2-Dichloroethene	1	U	1330-20-7	Total Xylenes	1	U
156-59-2	Cis-1,2-Dichloroethene	1	U	95-63-6	1,2,4-Trimethylbenzene	1	U
590-20-7	2,2-Dichloropropane	1	U	98-06-6	Tert-Butylbenzene	1	U
74-97-5	Bromochloromethane	1	U	108-67-8	1,3,5-Trimethylbenzene	1	U
67-66-3	Chloroform	1	U	135-98-8	Sec-Butylbenzene	1	U
107-06-2	1,2-Dichloroethane	0.4J		99-87-6	p-Isopropyltoluene	1	U
78-93-3	2-Butanone	1	U	104-51-8	Butylbenzene	1	U
71-55-6	1,1,1-Trichloroethane	1	U	96-12-8	1,2-Dibromo-3-chloropropane	1	U
56-23-5	Carbon Tetrachloride	1	U	87-61-6	1,2,3-Trichlorobenzene	1	U
563-58-6	1,1-Dichloropropene	1	U	98-82-8	Isopropylbenzene	1	U
75-27-4	Bromodichloromethane	1	U	103-65-1	Propylbenzene	1	U
78-87-5	1,2-Dichloropropane	1	U		~~Total Xylenes~~	~~1~~	~~U~~
74-95-3	Dibromomethane	1	U	541-73-1	1,3-Dichlorobenzene	1	U
10061-02-6	Trans-1,3-Dichloropropene	1	U	106-46-7	1,4-Dichlorobenzene	1	U
79-01-6	Trichloroethene	1	U	95-50-1	1,2-Dichlorobenzene	1	U
124-48-1	Dibromochloromethane	1	U	120-82-1	1,2,4-Trichlorobenzene	1	U
106-93-4	1,2-Dibromoethane	1	U	91-20-3	Naphthalene	1	U
79-00-5	1,1,2-Trichloroethane	1	U	87-68-3	Hexachlorobutadiene	1	U
142-28-9	1,3-Dichloropropane	1	U			%	
71-43-2	Benzene	1	U	-762492	1-Bromo-2-Fluoroethane (SS)	107	
10061-01-5	cis-1,3-Dichloropropene	1	U	2747-58-2	Toluene (d8). (SS)	91	
75-25-2	Bromoform	1	U	-460-00-4	p-Bromofluorobenzene. (SS)	91	
591-78-6	2-Hexanone	1	U	17070-07-0	1,2-Dichloroethane-d4 (SS)	96	
108-10-1	4-Methyl-2-Pentanone	1	U	~~2199-69-1~~	~~1,2-Dichlorobenzene (SS~~	NAF	

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

Form I

07179902-11

JUL 11 RECD KM

Laboratory Name: MANCHESTER LAB
Case No: HWD-127A/1011

Sample Number
A91130164

TENTATIVELY IDENTIFIED COMPOUNDS
(Page 4)

	CAS Number	Compound Name	Fraction	Scan Num	Estimated Conc ug/L	
1		CI10 1,4-DIFLUOROBENZENE (INTERNAL STANDARD)	VOA		10	J
2		CI20 CHLOROBENZENE-D5 (INTERNAL STANDARD)	VOA		10	J
3		CI30 1,4-DICHLOROBENZENE-D4 (INTERNAL STANDARD)	VOA		10	J

No semi-volatile compounds found.

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

Form I

JUL 11 SECD KY

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

Sample: 91130166
Method: EP2-624 GC/MS Purge and Trap Scan
Project: HWD-127A RIDGEFIELD BRICK AND TILE
Station: _____ Source:(23) Well (Test/Observati

Matrix:(10) Water-Total
Officer: Bailey, Marsha
Account: AGDD3A
Field Prep:(__) Unknown

Collected: 91/ 03/ 28
Received: 91/ 03/ 29
Comments: _____

Extracted: 91/04/10 Extractor: _____ Weight/Volume Extracted: _____
Analyzed: 91/04/10 15:12 Analyst: SVD Percent Solids: _____
Reviewed: 91/07/02 By: SVD Final Review: 7/11/91 By: JMB
IBM Report: __/__/__ By: _____

Sample Volume (ml): 10
Volume Water Aliquated (ml): —
Dilution Factor: —
Tape Identification: 9-1991-5100E1
Tape File Number: 18

Standard Run: AVW1100
Std. Stock Solution #: —
Background Run: ABW1100
Calibration Run: ABF1100
Extraction Solvent: —

Initial Vol. Extraction Solv.(ml): —
Volume Extract Aliquated (ul): —
Total Volume Purged (ml): 510

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, 1.8 u
Column Inside Diameter (mm): 0.32
Column Length (M): 30
Column Tubing Material: Fused Silica

Start Mass (AMU): 35
AMU/sec: 240
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) 1-APR-91 11:06 91130166

Sample Number
A91130166

ORGANICS ANALYSIS DATA SHEET
(Page 1)

Laboratory Name: MANCHESTER LAB
Case No: HWD-127A/1011
Lab Sample ID No:
QC Report No:
Sample Matrix: WATER
Contract No: AGDD3A
Data Release Authorized By:
Date Sample Received: 03/28/91

VOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared:
Date Analyzed: 04/10/91
Conc Factor: 5.000000 pH
Percent Moisture: (Not Decanted)

CAS Number		ug/L		CAS Number		ug/L	
74-87-3	Chloromethane	~~0.08~~ 1u		127-18-4	Tetrachloroethene	1	U
75-71-8	Dichlorodifluoromethane	1	U	79-34-5	1,1,2,2-Tetrachloroethane	1	U
74-83-9	Bromomethane	1	U	630-20-6	1,1,1,2-Tetrachloroethane	1	U
75-01-4	Vinyl Chloride	1	U	108-88-3	Toluene	~~0.2J~~ 1u	
75-00-3	Chloroethane	0.1J		108-90-7	Chlorobenzene	1	U
75-69-4	Trichlorofluoromethane	1	U	100-41-4	Ethylbenzene	1	U
75-09-2	Methylene Chloride	1	U	100-42-5	Styrene	1	U
67-64-1	Acetone	1	U	108-86-1	Bromobenzene	1	U
75-15-0	Carbon Disulfide	~~0.2~~ 1u		96-18-4	1,2,3-Trichloropropane	1	U
75-35-4	1,1-Dichloroethene	1	U	95-49-8	2-Chlorotoluene	1	U
75-34-3	1,1-Dichloroethane	~~0.2J~~ 1u		106-43-4	4-Chlorotoluene	1	U
156-60-5	Trans-1,2-Dichloroethene	1	U	1330-20-7	Total Xylenes	1	U
156-59-2	Cis-1,2-Dichloroethene	1	U	95-63-6	1,2,4-Trimethylbenzene	1	U
590-20-7	2,2-Dichloropropane	1	U	98-06-6	Tert-Butylbenzene	1	U
74-97-5	Bromochloromethane	1	U	108-67-8	1,3,5-Trimethylbenzene	1	U
67-66-3	Chloroform	1	U	135-98-8	Sec-Butylbenzene	1	U
107-06-2	1,2-Dichloroethane	0.4J		99-87-6	p-Isopropyltoluene	1	U
78-93-3	2-Butanone	1	U	104-51-8	Butylbenzene	1	U
71-55-6	1,1,1-Trichloroethane	1	U	96-12-8	1,2-Dibromo-3-chloropropane	1	U
56-23-5	Carbon Tetrachloride	1	U	87-61-6	1,2,3-Trichlorobenzene	1	U
563-58-6	1,1-Dichloropropene	1	U	98-82-8	Isopropylbenzene	1	U
75-27-4	Bromodichloromethane	1	U	103-65-1	Propylbenzene	1	U
78-87-5	1,2-Dichloropropane	1	U		~~Total Xylenes~~	~~1~~	~~U~~
74-95-3	Dibromomethane	1	U	541-73-1	1,3-Dichlorobenzene	1	U
10061-02-6	Trans-1,3-Dichloropropene	1	U	106-46-7	1,4-Dichlorobenzene	1	U
79-01-6	Trichloroethene	1	U	95-50-1	1,2-Dichlorobenzene	1	U
124-48-1	Dibromochloromethane	1	U	120-82-1	1,2,4-Trichlorobenzene	1	U
106-93-4	1,2-Dibromoethane	1	U	91-20-3	Naphthalene	~~0.5J~~ 1u	
79-00-5	1,1,2-Trichloroethane	1	U	87-68-3	Hexachlorobutadiene	1	U
142-28-9	1,3-Dichloropropane	1	U			%	
71-43-2	Benzene	1	U	-762492	1-Bromo-2-Fluoroethane (SS)	107	
10061-01-5	cis-1,3-Dichloropropene	1	U	2747-58-2	Toluene (d8). (SS)	91	
75-25-2	Bromoform	1	U	-460-00-4	p-Bromofluorobenzene. (SS)	94	
591-78-6	2-Hexanone	1	U	17070-07-0	1,2-Dichloroethane-d4 (SS)	96	
108-10-1	4-Methyl-2-Pentanone	1	U	~~2199-69-1~~	~~1,2-Dichlorobenzene (SS)~~	NAF	

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

07179902-12

Form I

JUL 11 REC'D

aboratory Name: MANCHESTER LAB
ase No: HWD-127A/1011

Sample Number
A91130166

TENTATIVELY IDENTIFIED COMPOUNDS
(Page 4)

	CAS Number	Compound Name	Fraction	Scan Num	Estimated Conc ug/L	
1		CI10 1,4-DIFLUOROBENZENE (INTERNAL STANDARD)	VOA		10	J
2		CI20 CHLOROBENZENE-D5 (INTERNAL STANDARD)	VOA		10	J
3		CI30 1,4-DICHLOROBENZENE-D4 (INTERNAL STANDARD)	VOA		10	J

No semi-volatile compounds found.

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

Form I

JUL 11 REC'D

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

Sample: 91130168
Method: EP2-624 GC/MS Purge and Trap Scan
Project: HWD-127A RIDGEFIELD BRICK AND TILE
Station: _____ Source:(23) Well (Test/Observati

Matrix:(10) Water-Total
Officer: Bailey, Marsha
Account: AGDD3A
Field Prep:(__) Unknown

Collected: 91/ 03/ 28
Received: 91/ 03/ 29
Comments: _____

Extracted: 91/04/10 Extractor: _____ Weight/Volume Extracted: _____
Analyzed: 91/04/10 15:54 Analyst: SVP Percent Solids: _____
Reviewed: 91/07/02 By: SVP Final Review: 7/11/91 By: JMS
IBM Report: __/__/__ By: _____

Sample Volume (ml): 10
Volume Water Aliquated (ml): —
Dilution Factor: —
Tape Identification: 9-1991-5100E1
Tape File Number: 19

Standard Run: AVW1100
Std. Stock Solution #: —
Background Run: ABW1100
Calibration Run: ABF1100
Extraction Solvent: —

Initial Vol. Extraction Solv.(ml): —
Volume Extract Aliquated (ul): —
Total Volume Purged (ml): 510
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, 1.8 u
Column Inside Diameter (mm): 0.32
Column Length (M): 30
Column Tubing Material: Fused Silica

Start Mass (AMU): 35
AMU/sec: 240
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) 1-APR-91 11:06 91130168

Sample Number
A91130168

ORGANICS ANALYSIS DATA SHEET
(Page 1)

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

Case No: HWD-127A/1011
QC Report No:
Contract No: AGDD3A
Date Sample Received: 03/28/91

VOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared:
Date Analyzed: 04/10/91
Conc Factor: 5.000000 pH
Percent Moisture: (Not Decanted)

CAS Number		ug/L		CAS Number		ug/L	
74-87-3	Chloromethane	~~0.08~~ 1	U	127-18-4	Tetrachloroethene	1	U
75-71-8	Dichlorodifluoromethane	1	U	79-34-5	1,1,2,2-Tetrachloroethane	1	U
74-83-9	Bromomethane	1	U	630-20-6	1,1,1,2-Tetrachloroethane	1	U
75-01-4	Vinyl Chloride	1	U	108-88-3	Toluene	0.5	J
75-00-3	Chloroethane	1	U	108-90-7	Chlorobenzene	1	U
75-69-4	Trichlorofluoromethane	~~0.05~~ 1	J U	100-41-4	Ethylbenzene	1	U
75-09-2	Methylene Chloride	1	U	100-42-5	Styrene	1	U
67-64-1	Acetone	8.5	U	108-86-1	Bromobenzene	1	U
75-15-0	Carbon Disulfide	~~0.5~~ 1	U	96-18-4	1,2,3-Trichloropropane	1	U
75-35-4	1,1-Dichloroethene	1	U	95-49-8	2-Chlorotoluene	1	U
75-34-3	1,1-Dichloroethane	1	U	106-43-4	4-Chlorotoluene	1	U
156-60-5	Trans-1,2-Dichloroethene	1	U	1330-20-7	Total Xylenes	1	U
156-59-2	Cis-1,2-Dichloroethene	1	U	95-63-6	1,2,4-Trimethylbenzene	1	U
590-20-7	2,2-Dichloropropane	1	U	98-06-6	Tert-Butylbenzene	1	U
74-97-5	Bromochloromethane	1	U	108-67-8	1,3,5-Trimethylbenzene	1	U
67-66-3	Chloroform	1	U	135-98-8	Sec-Butylbenzene	1	U
107-06-2	1,2-Dichloroethane	0.6	J	99-87-6	p-Isopropyltoluene	1	U
78-93-3	2-Butanone	~~27.9~~ 7.9	U	104-51-8	Butylbenzene	1	U
71-55-6	1,1,1-Trichloroethane	1	U	96-12-8	1,2-Dibromo-3-chloropropane	1	U
56-23-5	Carbon Tetrachloride	1	U	87-61-6	1,2,3-Trichlorobenzene	1	U
563-58-6	1,1-Dichloropropene	1	U	98-82-8	Isopropylbenzene	1	U
75-27-4	Bromodichloromethane	1	U	103-65-1	Propylbenzene	1	U
78-87-5	1,2-Dichloropropane	1	U		~~Total Xylenes~~	~~1~~	~~U~~
74-95-3	Dibromomethane	1	U	541-73-1	1,3-Dichlorobenzene	1	U
10061-02-6	Trans-1,3-Dichloropropene	1	U	106-46-7	1,4-Dichlorobenzene	1	U
79-01-6	Trichloroethene	1	U	95-50-1	1,2-Dichlorobenzene	1	U
124-48-1	Dibromochloromethane	1	U	120-82-1	1,2,4-Trichlorobenzene	1	U
106-93-4	1,2-Dibromoethane	1	U	91-20-3	Naphthalene	1	U
79-00-5	1,1,2-Trichloroethane	1	U	87-68-3	Hexachlorobutadiene	1	U
142-28-9	1,3-Dichloropropane	1	U			%	
71-43-2	Benzene	1	U	-762492	1-Bromo-2-Fluoroethane (SS)	108	
10061-01-5	cis-1,3-Dichloropropene	1	U	2747-58-2	Toluene (d8). (SS)	93	
75-25-2	Bromoform	1	U	-460-00-4	p-Bromofluorobenzene. (SS)	93	
591-78-6	2-Hexanone	1	U	17070-07-0	1,2-Dichloroethane-d4 (SS)	96	
108-10-1	4-Methyl-2-Pentanone	1	U	~~2199-69-1~~	~~1,2-Dichlorobenzene-d4 (SS~~	NAF	

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

Form I

0717990273

JUL 11 REC

Laboratory Name: MANCHESTER LAB
Case No: HWD-127A/1011

Sample Number
A91130168

TENTATIVELY IDENTIFIED COMPOUNDS
(Page 4)

	CAS Number	Compound Name	Fraction	Scan Num	Estimated Conc ug/l	
1		CI10 1,4-DIFLUOROBENZENE (INTERNAL STANDARD)	VOA		10	J
2		CI20 CHLOROBENZENE-D5 (INTERNAL STANDARD)	VOA		10	J
3		CI30 1,4-DICHLOROBENZENE-D4 (INTERNAL STANDARD)	VOA		10	J

No semi-volatile compounds found.

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

Form I

JUL. 1 1 REC'D

ABW1099 CBK1 91130168

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

Sample: ~~91130152~~
Method: EP2-624 GC/MS Purge and Trap Scan
Project: HWD-127A RIDGEFIELD BRICK AND TILE
Station:
Source: (23) Well (Test/Observati

Matrix: (10) Water-Total
Officer: Bailey, Marsha
Account: AGDD3A
Field Prep: (__) Unknown

Collected: 91/ 03/ 27
Received: 91/ 03/ 29
Comments:

Extracted: 91/04/09 Extractor: Weight/Volume Extracted:
Analyzed: 91/04/09 12:03 Analyst: SVP Percent Solids:
Reviewed: 91/06/25 By: SVP Final Review: 1/11/91 By: JMB

IBM Report: __/__/__ By:

Sample Volume (ml): 10
Volume Water Aliquated (ml): —
Dilution Factor: —
Tape Identification: 9-1991-5100 E1
Tape File Number: 5

Standard Run: AVW1099
Std. Stock Solution #: —
Background Run: ABW1099
Calibration Run: ABF1099
Extraction Solvent: —

Initial Vol. Extraction Solv. (ml):
Volume Extract Aliquated (ul): —
Total Volume Purged (ml): 510

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, 1.8 u
Column Inside Diameter (mm): 0.32
Column Length (M): 30
Column Tubing Material: Fused Silica

Start Mass (AMU): 35
AMU/sec: 240
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) 1-APR-91 11:06 91130152

Sample Number
ABW1099

LBE 91130168

ORGANICS ANALYSIS DATA SHEET
(Page 1)

aboratory Name: MANCHESTER LAB
ab Sample ID No:
ample Matrix: WATER
ata Release Authorized By:

Case No: HWD-127A/1011
QC Report No:
Contract No: AGDD3A
Date Sample Received:

VOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared:
Date Analyzed: 04/09/91
Conc Factor: 5.000000 pH
Percent Moisture: (Not Decanted)

AS Number		ug/L	CAS Number		ug/L
4-87-3	Chloromethane	1 U	127-18-4	Tetrachloroethene	1 U
5-71-8	Dichlorodifluoromethane	1 U	79-34-5	1,1,2,2-Tetrachloroethane	1 U
4-83-9	Bromomethane	1 U	630-20-6	1,1,1,2-Tetrachloroethane	1 U
5-01-4	Vinyl Chloride	1 U	108-88-3	Toluene	~~0.03J~~ 1u
5-00-3	Chloroethane	1 U	108-90-7	Chlorobenzene	1 U
5-69-4	Trichlorofluoromethane	1 U	100-41-4	Ethylbenzene	1 U
5-09-2	Methylene Chloride	0.7J	100-42-5	Styrene	1 U
7-64-1	Acetone	84.8	108-86-1	Bromobenzene	1 U
5-15-0	Carbon Disulfide	1 U	96-18-4	1,2,3-Trichloropropane	1 U
5-35-4	1,1-Dichloroethene	1 U	95-49-8	2-Chlorotoluene	1 U
5-34-3	1,1-Dichloroethane	1 U	106-43-4	4-Chlorotoluene	1 U
56-60-5	Trans-1,2-Dichloroethene	1 U	1330-20-7	Total Xylenes	0.02J ~~1 U~~
56-59-2	Cis-1,2-Dichloroethene	1 U	95-63-6	1,2,4-Trimethylbenzene	~~0.03J~~ 1u
90-20-7	2,2-Dichloropropane	1 U	98-06-6	Tert-Butylbenzene	1 U
4-97-5	Bromochloromethane	1 U	108-67-8	1,3,5-Trimethylbenzene	1 U
7-66-3	Chloroform	1 U	135-98-8	Sec-Butylbenzene	1 U
07-06-2	1,2-Dichloroethane	1 U	99-87-6	p-Isopropyltoluene	1 U
8-93-3	2-Butanone	0.6J	104-51-8	Butylbenzene	~~0.03J~~ 1u
1-55-6	1,1,1-Trichloroethane	1 U	96-12-8	1,2-Dibromo-3-chloropropane	1 U
6-23-5	Carbon Tetrachloride	1 U	87-61-6	1,2,3-Trichlorobenzene	0.07J
63-58-6	1,1-Dichloropropene	1 U	98-82-8	Isopropylbenzene	1 U
5-27-4	Bromodichloromethane	1 U	103-65-1	Propylbenzene	1 U
8-87-5	1,2-Dichloropropane	1 U		~~Total Xylenes~~	~~0.02J~~
4-95-3	Dibromomethane	1 U	541-73-1	1,3-Dichlorobenzene	0.03J
0061-02-6	Trans-1,3-Dichloropropene	1 U	106-46-7	1,4-Dichlorobenzene	1 U
9-01-6	Trichloroethene	1 U	95-50-1	1,2-Dichlorobenzene	1 U
24-48-1	Dibromochloromethane	1 U	120-82-1	1,2,4-Trichlorobenzene	0.06J
06-93-4	1,2-Dibromoethane	1 U	91-20-3	Naphthalene	~~0.1J~~ 1u
9-00-5	1,1,2-Trichloroethane	1 U	87-68-3	Hexachlorobutadiene	1 U
42-28-9	1,3-Dichloropropane	1 U			%
1-43-2	Benzene	0.03J	-762492	1-Bromo-2-Fluoroethane (SS)	92
0061-01-5	cis-1,3-Dichloropropene	1 U	2747-58-2	Toluene (d8). (SS)	96
5-25-2	Bromoform	1 U	-460-00-4	p-Bromofluorobenzene. (SS)	101
91-78-6	2-Hexanone	1 U	17070-07-0	1,2-Dichloroethane-d4 (SS)	97
08-10-1	4-Methyl-2-Pentanone	1 U	~~2199-69-1~~	~~1,2-Dichlorobenzene-d4 (SS)~~	NAF

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

07179902-14

Form I

JUL 11 REC

Laboratory Name: MANCHESTER LAB
Case No: HWD-127A/1011

Sample Number
ABW1099

TENTATIVELY IDENTIFIED COMPOUNDS
(Page 4)

	CAS Number	Compound Name	Fraction	Scan Num	Estimated Conc ug/L	
1		C110 1,4-DIFLUOROBENZENE (INTERNAL STANDARD)	VOA		10	J
2		C120 CHLOROBENZENE-D5 (INTERNAL STANDARD)	VOA		10	J
3		C130 1,4-DICHLOROBENZENE-D4 (INTERNAL STANDARD)	VOA		10	J
4	541-05-9	CYCLOTRISILOXANE, HEXAMETHYL-	VOA		0.97	J
5	556-67-2	CYCLOTETRASILOXANE, OCTAMETHYL-	VOA		0.39	J

No semi-volatile compounds found.

JMB

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

Form I

JUL 11 REC'D

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

Sample: ~~91130152~~ ABW1100 UDRC 91130168
Method: EP2-624 GC/MS Purge and Trap Scan
Project: HWD-127A RIDGEFIELD BRICK AND TILE
Station:
Source: (23) Well (Test/Observati

Matrix: (10) Water-Total
Officer: Bailey, Marsha
Account: AGDD3A
Field Prep: (__) Unknown

Collected: 91/ 03/ 27
Received: 91/ 03/ 29

Comments:

Extracted: 91/04/10 Extractor: Weight/Volume Extracted:
Analyzed: 91/04/10 11:03 Analyst: SVP Percent Solids:
Reviewed: 91/07/01 By: SVP Final Review: 7/11/91 By: JMB
IBM Report: __/__/__ By:

Sample Volume (ml): 10
Volume Water Aliquated (ml): —
Dilution Factor: —
Tape Identification: 9-1991-5100E1
Tape File Number: 13

Standard Run: AVW1100
Std. Stock Solution #: —
Background Run: ABW1100
Calibration Run: ABF1100
Extraction Solvent: —

Initial Vol. Extraction Solv. (ml): —
Volume Extract Aliquated (ul): —
Total Volume Purged (ml): ~~8~~ 10

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, 1.8 u
Column Inside Diameter (mm): 0.32
Column Length (M): 30
Column Tubing Material: Fused Silica

Start Mass (AMU): 35
AMU/sec: 240
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) 1-APR-91 11:06 91130152

JUL 11 RECD

Sample Number
ABW1100

LBKC 91130168

ORGANICS ANALYSIS DATA SHEET
(Page 1)

aboratory Name: MANCHESTER LAB
ab Sample ID No:
ample Matrix: WATER
ata Release Authorized By:

Case No: HWD-127A/1011
QC Report No:
Contract No: AGDD3A
Date Sample Received:

VOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared:
Date Analyzed: 04/10/91
Conc Factor: 5.000000 pH
Percent Moisture: (Not Decanted)

AS Number		ug/L	CAS Number		ug/L
4-87-3	Chloromethane	~~0.04J~~ 1 U	127-18-4	Tetrachloroethene	1 U
5-71-8	Dichlorodifluoromethane	1 U	79-34-5	1,1,2,2-Tetrachloroethane	1 U
4-83-9	Bromomethane	1 U	630-20-6	1,1,1,2-Tetrachloroethane	1 U
5-01-4	Vinyl Chloride	1 U	108-88-3	Toluene	0.02J
5-00-3	Chloroethane	1 U	108-90-7	Chlorobenzene	1 U
5-69-4	Trichlorofluoromethane	1 U	100-41-4	Ethylbenzene	1 U
5-09-2	Methylene Chloride	~~0.56~~	100-42-5	Styrene	1 U
7-64-1	Acetone	3.5 ~~0.56~~	108-86-1	Bromobenzene	1 U
5-15-0	Carbon Disulfide	0.1J	96-18-4	1,2,3-Trichloropropane	1 U
5-35-4	1,1-Dichloroethene	1 U	95-49-8	2-Chlorotoluene	1 U
5-34-3	1,1-Dichloroethane	1 U	106-43-4	4-Chlorotoluene	1 U
56-60-5	Trans-1,2-Dichloroethene	1 U	1330-20-7	Total Xylenes	1 U
56-59-2	Cis-1,2-Dichloroethene	1 U	95-63-6	1,2,4-Trimethylbenzene	0.02J
90-20-7	2,2-Dichloropropane	1 U	98-06-6	Tert-Butylbenzene	1 U
4-97-5	Bromochloromethane	1 U	108-67-8	1,3,5-Trimethylbenzene	0.01J
7-66-3	Chloroform	1 U	135-98-8	Sec-Butylbenzene	0.01J
07-06-2	1,2-Dichloroethane	1 U	99-87-6	p-isopropyltoluene	1 U
3-93-3	2-Butanone	0.9J	104-51-8	Butylbenzene	0.02J
1-55-6	1,1,1-Trichloroethane	1 U	96-12-8	1,2-Dibromo-3-chloropropane	1 U
6-23-5	Carbon Tetrachloride	1 U	87-61-6	1,2,3-Trichlorobenzene	0.07J
63-58-6	1,1-Dichloropropene	1 U	98-82-8	Isopropylbenzene	1 U
5-27-4	Bromodichloromethane	1 U	103-65-1	Propylbenzene	1 U
3-87-5	1,2-Dichloropropane	1 U		~~Total Xylenes~~	~~1 U~~
4-95-3	Dibromomethane	1 U	541-73-1	1,3-Dichlorobenzene	0.03J
0061-02-6	Trans-1,3-Dichloropropene	1 U	106-46-7	1,4-Dichlorobenzene	1 U
9-01-6	Trichloroethene	1 U	95-50-1	1,2-Dichlorobenzene	0.04J
24-48-1	Dibromochloromethane	1 U	120-82-1	1,2,4-Trichlorobenzene	0.05J
06-93-4	1,2-Dibromoethane	1 U	91-20-3	Naphthalene	~~0.08J~~
9-00-5	1,1,2-Trichloroethane	1 U	87-68-3	Hexachlorobutadiene	1 U
42-28-9	1,3-Dichloropropane	1 U			%
1-43-2	Benzene	~~0.02J~~	-762492	1-Bromo-2-Fluoroethane (SS)	104
0061-01-5	cis-1,3-Dichloropropene	1 U	2747-58-2	Toluene (d8) (SS)	91
5-25-2	Bromoform	1 U	-460-00-4	p-Bromofluorobenzene (SS)	92
91-78-6	2-Hexanone	1 U	17070-07-0	1,2-Dichloroethane-d4 (SS)	98
08-10-1	4-Methyl-2-Pentanone	1 U	~~2199-69-1~~	~~1,2-Dichlorobenzene-d4 (SS)~~	NAP

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

07175902-15

JUL 11 REC'D

Form I

Laboratory Name: MANCHESTER LAB
Case No: HWD-127A/1011

Sample Number
ABW1100

TENTATIVELY IDENTIFIED COMPOUNDS
(Page 4)

	CAS Number	Compound Name	Fraction	Scan Num	Estimated Conc ug/L	
1		CI10 1,4-DIFLUOROBENZENE (INTERNAL STANDARD)	VOA		10	J
2		CI20 CHLOROBENZENE-D5 (INTERNAL STANDARD)	VOA		10	J
3		CI30 1,4-DICHLOROBENZENE-D4 (INTERNAL STANDARD)	VOA		10	J
4	541-05-9	CYCLOTRISILOXANE, HEXAMETHYL-	VOA		1.0	J
5	556-67-2	CYCLOTETRASILOXANE, OCTAMETHYL-	VOA		0.35	J

No semi-volatile compounds found.

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

Form I

JUL 11 RECD

```
SPECIAL RESTRICTORS FOR TR _ ACTION CREATION:

TRANSACTION TARGET FILE: DB2:[LAB]CURTRANS.EPA

TRANSACTION TYPE: TRNIN3

OPERATOR ID: ADT


>>> Proccessing Physical File DB2:[LAB.GCMS.EPA]HWV127A1.CMP

Processing Logical File: 91130168   52 10 LBK1
  * Creating Transaction 07179901
      Project: HWD-127A RIDGEFIELD BRICK AND TILE                    AGDD3A
      Workgrp: (52) Tent Ident - VOA Scan (G
       Method: (EP2-624      ) GC/MS Purge and Trap Scan
      Machine: (GCMS-E1 ) EPA1 GC/MS INCOS-5100 Ca
  * Creating Sequence 01 of Transaction 07179901
  --- Warning: No date of analysis; using today as default.
               Enter correct date in edit mode of TRNIN3.
  --- Warning: Analysis not Requested or Already in Progress.
               Assigning Host Sample as provided by CMP file.
     Blank ID: BW1099
     Sample #: 91130168   Desc: RB-TD15-01                Date: 910328
       Matrix: (10) Water-Total                        Date Ext:
        Units: (11) ug/l                               Date Anl: 910717
         Prep: (   ) Unspecifed                        % Solids:
      QA Code: (LBK1) Lab Blank Sample #1               Analyst: LAB
  // Successful storage,   2 values on record,   0 Errors,   1 Warnings //

Processing Logical File: 91130168   52 10 LBK2
  * Creating Sequence 02 of Transaction 07179901
  --- Warning: No date of analysis; using today as default.
               Enter correct date in edit mode of TRNIN3.
  --- Warning: Analysis not Requested or Already in Progress.
               Assigning Host Sample as provided by CMP file.
     Blank ID: BW1100
     Sample #: 91130168   Desc: RB-TD15-01                Date: 910328
       Matrix: (10) Water-Total                        Date Ext:
        Units: (11) ug/l                               Date Anl: 910717
         Prep: (   ) Unspecifed                        % Solids:
      QA Code: (LBK2) Lab Blank Sample #2               Analyst: LAB
  // Successful storage,   2 values on record,   0 Errors,   1 Warnings //

Processing Logical File: 91130150   51 10
  * Creating Transaction 07179902
      Project: HWD-127A RIDGEFIELD BRICK AND TILE                    AGDD3A
      Workgrp: (51) VOA - PP Scan (GCMS)
       Method: (EP2-624      ) GC/MS Purge and Trap Scan
      Machine: (GCMS-E1 ) EPA1 GC/MS INCOS-5100 Ca
  * Creating Sequence 01 of Transaction 07179902
     Sample #: 91130150   Desc: RB-B15-01                Date: 910327
       Matrix: (10) Water-Total                        Date Ext:
        Units: (11) ug/l                               Date Anl: 910409
         Prep: (   ) Unspecifed                        % Solids:
      QA Code: (     ) Unspecifed                      Analyst: LAB
  // Successful storage,  67 values on record,   0 Errors,   0 Warnings //

Processing Logical File: 91130152   51 10
  * Creating Sequence 02 of Transaction 07179902
     Sample #: 91130152   Desc: RB-B4-01                 Date: 910327
       Matrix: (10) Water-Total                        Date Ext:
        Units: (11) ug/l                               Date Anl: 910409
         Prep: (   ) Unspecifed                        % Solids:
      QA Code: (     ) Unspecifed                      Analyst: LAB
  // Successful storage,  67 values on record,   0 Errors,   0 Warnings //
```

```
Processing Logical File: 91130152   51 10 LMX1
  * Creating Sequence 03 of Transaction 07179902
     Sample #: 91130152   Desc: RB-B4-01                    Date: 910327
       Matrix: (10) Water-Total                         Date Ext:
        Units: (11) ug/l                                Date Anl: 910411
         Prep: (   ) Unspecifed                         % Solids:
     QA Code: (LMX1) Lab Mtrx Spike #1 (% Rec            Analyst: LAB
  // Successful storage,  67 values on record,   0 Errors,   0 Warnings //

Processing Logical File: 91130152   51 10 LMX2
  * Creating Sequence 04 of Transaction 07179902
     Sample #: 91130152   Desc: RB-B4-01                    Date: 910327
       Matrix: (10) Water-Total                         Date Ext:
        Units: (11) ug/l                                Date Anl: 910411
         Prep: (   ) Unspecifed                         % Solids:
     QA Code: (LMX2) Lab Mtrx Spike #2 (% Rec            Analyst: LAB
  // Successful storage,  67 values on record,   0 Errors,   0 Warnings //

Processing Logical File: 91130154   51 10
  * Creating Sequence 05 of Transaction 07179902
     Sample #: 91130154   Desc: RB-B10-01                   Date: 910327
       Matrix: (10) Water-Total                         Date Ext:
        Units: (11) ug/l                                Date Anl: 910409
         Prep: (   ) Unspecifed                         % Solids:
     QA Code: (     ) Unspecifed                         Analyst: LAB
  // Successful storage,  67 values on record,   0 Errors,   0 Warnings //

Processing Logical File: 91130156   51 10
  * Creating Sequence 06 of Transaction 07179902
     Sample #: 91130156   Desc: RB-B5-01                    Date: 910327
       Matrix: (10) Water-Total                         Date Ext:
        Units: (11) ug/l                                Date Anl: 910409
         Prep: (   ) Unspecifed                         % Solids:
     QA Code: (     ) Unspecifed                         Analyst: LAB
  // Successful storage,  67 values on record,   0 Errors,   0 Warnings //

Processing Logical File: 91130158   51 10
  * Creating Sequence 07 of Transaction 07179902
     Sample #: 91130158   Desc: RB-B6-01                    Date: 910327
       Matrix: (10) Water-Total                         Date Ext:
        Units: (11) ug/l                                Date Anl: 910409
         Prep: (   ) Unspecifed                         % Solids:
     QA Code: (     ) Unspecifed                         Analyst: LAB
  // Successful storage,  67 values on record,   0 Errors,   0 Warnings //

Processing Logical File: 91130160   51 10
  * Creating Sequence 08 of Transaction 07179902
     Sample #: 91130160   Desc: RB-B20-01                   Date: 910327
       Matrix: (10) Water-Total                         Date Ext:
        Units: (11) ug/l                                Date Anl: 910410
         Prep: (   ) Unspecifed                         % Solids:
     QA Code: (     ) Unspecifed                         Analyst: LAB
  // Successful storage,  67 values on record,   0 Errors,   0 Warnings //

Processing Logical File: 91130161   51 10
  * Creating Sequence 09 of Transaction 07179902
     Sample #: 91130161   Desc: RB-B25-01                   Date: 910328
       Matrix: (10) Water-Total                         Date Ext:
        Units: (11) ug/l                                Date Anl: 910410
         Prep: (   ) Unspecifed                         % Solids:
     QA Code: (     ) Unspecifed                         Analyst: LAB
  // Successful storage,  67 values on record,   0 Errors,   0 Warnings //

Processing Logical File: 91130162   51 10
  * Creating Sequence 10 of Transaction 07179902
```

```
    Sample #: 91130162   ]   c: RB-TD1-01                    Date: 910328
      Matrix: (10) Water-Total                          Date Ext:
       Units: (11) ug/l                                 Date Anl: 910410
        Prep: (   ) Unspecifed                          % Solids:
     QA Code: (     ) Unspecifed                        Analyst: LAB
  // Successful storage,  67 values on record,   0 Errors,   0 Warnings //

Processing Logical File: 91130164   51 10
  * Creating Sequence 11 of Transaction 07179902
    Sample #: 91130164   Desc: RB-TD2-01                    Date: 910328
      Matrix: (10) Water-Total                          Date Ext:
       Units: (11) ug/l                                 Date Anl: 910410
        Prep: (   ) Unspecifed                          % Solids:
     QA Code: (     ) Unspecifed                        Analyst: LAB
  // Successful storage,  67 values on record,   0 Errors,   0 Warnings //

Processing Logical File: 91130166   51 10
  * Creating Sequence 12 of Transaction 07179902
    Sample #: 91130166   Desc: RB-TD10-01                   Date: 910328
      Matrix: (10) Water-Total                          Date Ext:
       Units: (11) ug/l                                 Date Anl: 910410
        Prep: (   ) Unspecifed                          % Solids:
     QA Code: (     ) Unspecifed                        Analyst: LAB
  // Successful storage,  67 values on record,   0 Errors,   0 Warnings //

Processing Logical File: 91130168   51 10
  * Creating Sequence 13 of Transaction 07179902
    Sample #: 91130168   Desc: RB-TD15-01                   Date: 910328
      Matrix: (10) Water-Total                          Date Ext:
       Units: (11) ug/l                                 Date Anl: 910410
        Prep: (   ) Unspecifed                          % Solids:
     QA Code: (     ) Unspecifed                        Analyst: LAB
  // Successful storage,  67 values on record,   0 Errors,   0 Warnings //

Processing Logical File: 91130168   51 10 LBK1
  * Creating Sequence 14 of Transaction 07179902
  --- Warning: Analysis not Requested or Already in Progress.
               Assigning Host Sample as provided by CMP file.
    Blank ID: BW1099
    Sample #: 91130168   Desc: RB-TD15-01                   Date: 910328
      Matrix: (10) Water-Total                          Date Ext:
       Units: (11) ug/l                                 Date Anl: 910409
        Prep: (   ) Unspecifed                          % Solids:
     QA Code: (LBK1) Lab Blank Sample #1                 Analyst: LAB
  // Successful storage,  67 values on record,   0 Errors,   0 Warnings //

Processing Logical File: 91130168   51 10 LBK2
  * Creating Sequence 15 of Transaction 07179902
  --- Warning: Analysis not Requested or Already in Progress.
               Assigning Host Sample as provided by CMP file.
    Blank ID: BW1100
    Sample #: 91130168   Desc: RB-TD15-01                   Date: 910328
      Matrix: (10) Water-Total                          Date Ext:
       Units: (11) ug/l                                 Date Anl: 910410
        Prep: (   ) Unspecifed                          % Solids:
     QA Code: (LBK2) Lab Blank Sample #2                 Analyst: LAB
  // Successful storage,  67 values on record,   0 Errors,   0 Warnings //



***    0 Total Errors on this run ***
***    2 Total Warnings


Transaction Creation Program -- 17-JUL-91 15:22:27
   17 Logical files contained in     1 Physical files were processed.
```

Teledyne - John Rane

week

[illegible]

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Gen Chem

Christi