LSNReviews

From: Jim Myers [jmyers@swri.edu]
Sent: Friday, February 29, 2008 2:57 PM
To: 'Bobby Pabalan'
Subject: FYI: DOE's 34 Seepage Water Compositions
Attachments: DOE 34 Seepage Water Compositions.xls

Bobby,

This is pretty self-explanitory. Let me know if you have any questions.

Jim

Properties Page

Return-path: <jmyers@cnwra.swri.edu>
Received: from mail.cnwra.swri.edu ([129.162.205.6])
by rogain.cnwra.swri.edu (Sun ONE Messaging Server 6.0 (built Oct 29 2003))
with ESMTP id <0JX000F3DNETQW40@rogain.cnwra.swri.edu> for
rpabalan@cnwra.swri.edu; Fri, 29 Feb 2008 13:56:53 -0600 (CST)
Received: from virus89-out.ccf.swri.edu
(virus89-out.ccf.swri.edu [129.162.252.34])
by mail.cnwra.swri.edu (Switch-2.2.6/Switch-2.2.6) with ESMTP id
m1TKwdY19070
for <rpabalan@mail.cnwra.swri.edu>; Fri, 29 Feb 2008 14:58:39 -0600 (CST)
Received: from virus256-ag.ccf.swri.edu (localhost [127.0.0.1])
by virus89-out.ccf.swri.edu (8.13.1/8.13.1) with ESMTP id m1TJumU0006625
for
<rpabalan@mail.cnwra.swri.edu>; Fri, 29 Feb 2008 13:56:48 -0600 (CST)
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(8.13.1/8.13.1) with ESMTP id m1TJulIK005107 for
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(virus89-out.ccf.swri.edu [129.162.252.34])
by bams.ccf.swri.edu (iPlanet Messaging Server 5.2 HotFix 1.17 (built Jun 23
2003)) with ESMTP id <0JX000GWGNENGP@bams.ccf.swri.edu> for
rpabalan@mail.cnwra.swri.edu (ORCPT roberto.pabalan@swri.org); Fri,
29 Feb 2008 13:56:47 -0600 (CST)
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by virus89-out.ccf.swri.edu (8.13.1/8.13.1) with ESMTP id m1TJukH8006619
for
<roberto.pabalan@swri.org>; Fri, 29 Feb 2008 13:56:46 -0600 (CST)
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with ESMTP id <0JX000F38NEMQW40@rogain.cnwra.swri.edu> for
roberto.pabalan@swri.org; Fri, 29 Feb 2008 13:56:46 -0600 (CST)
Date: Fri, 29 Feb 2008 13:56:46 -0600
From: Jim Myers <jmyers@swri.edu>
Subject: FYI: DOE's 34 Seepage Water Compositions
To: 'Bobby Pabalan' <roberto.pabalan@swri.org>
Reply-to: jmyers@swri.edu
Message-id: <001401c87b0d$37271a80$ddc8a281@cnwra.swri.edu>
Organization: GED
MIME-version: 1.0
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X-Mailer: Microsoft Outlook, Build 10.0.6822
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X-MSMail-priority: Normal
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Original-recipient: rfc822;rpabalan@rogain.cnwra.swri.edu

Table 4.1-3. Chemical Compositions of the 34 Pore Waters and Group IDs with the Four Representative Waters Identified

Pore-Water ID	Group Nun	pH	Na (mg/L)	K (mg/L)	Mg (mg/L)	Ca (mg/L)	Cl (mg/L)	SO_4 (mg/L)	HCO_3 (mg/l	NO_3 (mg/L)	F (mg/L)	SiO_2 (mg/L)
NRG-7/7A/839.3-839.8/UC	1	7.9	67	6.9	1.6	19	31	24	151	25	2.8	41
SD-9/991.7-992.1/UC	1	7.9	61	5.4	0.6	27	26	13	—	20	3.3	55
SD-9/669.1-669.2/UC	4	—	61	6.3	6.9	66	76	75	136	29	1.2	49
SD-9/1184.8-1185.0/UC	1	7.9	62	5.4	<0.4	24	16	12	196	12	0.84	47
ESF-THERMALK-017/16.6-17.2/UC	2	—	51	14.2	9.8	73	82	105	104	45	1.3	63
ESF-THERMALK-019/19.2-19.5/UC	2	—	47	13.7	9	69	84	80	104	47	0.67	62
ESF-THERMALK-019/19.5-19.7/UC	2	—	44	13.2	9.1	71	82	82	124	50	0.6	59
ESF-THERMALK-017/22.3-22.9/UC	2	—	48	14.1	7.8	60	65	86	95	41	1.5	51
ESF-THERMALK-017/22.9-23.0/UC	2	7.9	37	14.5	9.9	72	69	94	116	46	1.1	55
ESF-THERMALK-017/26.3-26.5/UC	2	—	42	13.6	7.6	58	58	76	150	43	1.4	58
ESF-THERMALK-017/26.5-26.9/UC	2*	7.7	45	14.4	7.9	62	67	82	126	44	1.4	52
SD-9/1184.7-1184.8/UC	1*	8.2	59	4.8	0.7	19	23	16	142	16	2.2	42
SD-9/1060.1-1060.5/UC	1	7.6	68	8.8	<0.5	21	32	15	140	21	1.5	50
SD-9/1119.7-1119.9/UC	1	7.7	81	12.8	<0.6	34	32	24	193	19	1.2	45
SD-9/1234.9-1235.1/UC	1	7.9	67	8	0.5	18	17	16	156	11	1.1	42
SD-9/1276.5-1276.8/UC	1	7.9	67	6.4	0.6	23	29	17	136	10	1.9	59
SD-9/1276.8-1277.0/UC	1	7.6	69	6.9	0.6	23	35	17	165	10	2	67
SD-9/1303.4-1303.9/UC	1	—	95	11.3	2.3	37	65	28	194	19	4.8	54
SD-9/1185.0-1185.3/UC1	1	—	70	8.6	0.27	18.4	42.4	12	145	18.2	2.4	—
HD-PERM-3/22.4-23.0/UC	4	—	103	14.6	17.4	48.7	131	123	120	27.9	1.6	—
HD-PERM-3/56.7-57.1/UC	4*	—	123	13.8	16.7	59.9	146	126	149	57.4	1.3	—
ESF-HD-PERM-1	3	7.79	61	6	25.7	98	123	124	—	22	0.36	79
ESF-HD-PERM-2/30.1-30.5/Alcove :	3	8.32	61	7	16.6	106	110	111	—	3	0.96	66
ESF-HD-PERM-3/34.8-35.1/Alcove :	3*	8.31	62	9	17.4	97	123	120	—	10	0.76	75
ECRB-DS3-1616/10.1-10.4/UC	1	—	39.8	6.03	0.91	20.1	7.2	9.48	128	14.5	1.51	39
ECRB-DS3-1616/10.6-11.0/UC	1	—	61	7.68	1.44	34.1	20.4	22.3	142	33.2	2.32	46
ECRB-DS3-1616/12.5-12.7/UC	1	—	32.5	4.21	0.91	23.5	8.99	13.2	123	18.9	1.15	38
ECRB-DS3-1616/12.7-13.3/UC	1	—	51.4	6.81	1.05	28.8	15	17.8	166	27	1.86	44
ECRB-DS3-1616/7.5-7.7/UC	1	—	52.9	5.9	0.81	28.7	15.7	25.3	107	34.3	1.66	55
ECRB-DS3-1616/7.7-7.9/UC	1	—	50.9	7.27	0.72	25.4	15.3	19.5	107	29.8	1.46	51
ECRB-DS3-1616/7.9-8.0/UC	1	—	36.5	4.1	0.35	16.7	7.79	10.5	82	17.4	1.16	52
ECRB-DS3-1616/8.0-8.1/UC	1	—	46.9	5.63	0.59	23.4	11.5	15.4	115	23.8	1.59	58
ECRB-DS3-1616/9.6-9.8/UC	1	—	36.8	6.06	0.73	16.5	6.89	5.29	113	8.07	1.38	42
ECRB-DS3-1616/9.8-10.1/UC	1	—	38	5.77	0.76	20.7	4.98	8.84	149	10.4	1.35	46

* Representative waters for each group.
NOTE: See Table 4.1-2 for DTN sources. A dash ("—") indicates no measurement.