

	.001-LA	.002-LA	.003-LB	.004-LA	.005-LB	.006-LB	.007-LA	.008-LB	.009-LB	.010-LB	.011-LA	.012-LB	.013-LBA	.014-LB
36941	50	108	38	23	2	21	8	27	5	2	4	1	2	17
36942	52	119	40	22	11	30	17	23	5	2	4	1	3	16
36943	48	48	44	20	12	30	21	29	5	3	5	2	4	21
36944	92	198	38	53	14	32	21	15	4	1	2	1	1	4
36945	54	116	31	22	8	17	3	14	3	-1	2	-1	2	9
36945-R	50	124	32	21	8	17	3	18	3	1	3	1	2	10
36946	49	117	35	23	10	23	14	15	3	2	4	-1	2	14
36947	52	141	38	26	12	35	20	24	4	3	5	2	3	15
36948	43	113	38	20	14	35	15	24	4	2	3	-1	3	11
36949	73	156	66	33	28	65	8	23	4	2	-1	-1	1	6
36950	84	139	188	85	16	39	16	16	4	2	3	-1	-1	5
36951	-40	-82	17	14	-1	-5	-1	5	1	1	-1	-1	-3	-8
36952	60	141	39	35	9	22	12	11	3	1	2	-1	-1	2
36953	-42	-93	32	19	10	25	15	21	4	2	5	-1	-4	15
36954	35	88	30	14	8	17	4	14	3	1	3	-1	2	10
36955	76	143	53	61	12	33	12	19	3	1	-1	-1	2	3
36956	87	181	71	157	18	56	22	15	4	2	-1	-1	3	5
36957	41	130	32	71	7	15	11	10	2	1	3	-1	5	-1
36958	115	36	51	179	11	35	11	15	4	1	5	-1	-1	3
36959	61	151	53	109	-1	35	17	14	3	1	-1	-1	-1	3
36960	97	74	51	67	11	27	11	12	3	1	-1	-1	-1	4
36960-R	92	104	61	69	10	29	12	12	3	1	-1	-1	-1	4
36961	88	167	30	72	8	19	11	19	3	2	4	-1	-1	3
36962	117	265	35	54	7	27	5	14	3	1	-1	-1	-1	5
36963	67	241	67	36	40	122	12	34	6	2	1	-1	-1	9
36964	56	68	167	21	23	73	4	30	5	2	3	1	1	5
36965	48	117	25	31	6	15	1	16	3	1	1	-1	2	11
36966	54	134	34	30	10	23	8	24	4	3	6	2	5	18
36967	56	50	51	28	14	37	6	20	5	3	6	2	7	25
36968	68	132	47	39	10	20	6	21	4	3	3	1	2	6
36969	174	15	23	9	3	11	3	12	2	1	1	2	-1	3
36970	-45	-77	32	31	7	15	6	11	2	-1	2	-1	-2	-5
36971	39	115	38	25	10	23	1	19	4	2	2	1	3	11
36972	-54	-132	34	33	-9	16	8	11	2	1	2	-1	-1	-3
36973	32	89	32	15	9	14	9	17	3	2	1	-1	-1	9
LMB-QA	24	63	17	10	2	3	3	-1	-1	-1	-1	-1	-1	-1
LMB-QA	27	84	34	14	5	9	6	6	-1	-1	1	-1	1	-1

SOIL GAS HYDROCARBONS (SGH) by GC/MS

A10-5685 - Date: September 21, 2010 - Activation Laboratories Ltd.

Results represent only the material tested. Actlabs is not liable for any claim/damage from use of this report in excess of the test cost. Unless requested samples are discarded in 90 days.

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Excalibur Resources Ltd. - Jim Kendall

Sturgeon Lake Project Site

R=Replicate Sample

-1=Reporting Limit of 1pg/g (ppt=parts per trillion)

LMB-QA = Laboratory Materials Blank - Quality Assurance

LEGEND FOR COLUMN HEADINGS - SGH COMPOUND CLASSES

Results represent only the material tested. Actlabs is not liable for any claim/damage from use of this report in excess of the test cost. Unless requested samples are discarded in 90 days. This report is only to be reproduced in full.

Excalibur Resources Ltd.
Jim Kendall
-1=Reporting Limit of 1pg/g (ppt=parts per trillion)

SOIL GAS HYDROCARBONS
(SGH) by GC/MS
STURGEON LAKE PROJECT SITE

Activation Laboratories Ltd.
Date: September 29, 2010
R=Replicate Sample

. . .	. 001 - LA .	. 002 - LA .	. 003 - LB .	. 004 - LA .	. 005 - LB .	. 006 - LB .	. 007 - LA .	. 008 - LB .	. 009 - LB .	. 010 - LB .	. 011 - LA .	. 012 - LB .	. 013 - LBA .	. 014 - LB .
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LA, HA, LBA, HBA = ALKYL-ALKANES
LB, HB, LPB, HPB = ALKYL-BENZENES
LAR, MAR, HAR = ALKYL-AROMATICS
LBI, MBI, HBI, LPH, MPH, HPH = ALKYL-POLYAROMATICS
THI = ALKYL-DIVINYLENE SULPHIDES
ALK = ALKYL-ALKENES

SOIL GAS HYDROCARBONS
(SGH) by GC/MS
STURGEON LAKE PROJECT SITE

	.015-LAR	.016-LB	.017-LB	.018-LB	.019-LB	.020-LA	.021-LPH	.022-LBA	.023-LAR	.024-LB	.025-LAR	.026-LBA	.027-LB	.028-ALK
36941	2	16	19	6	6	4	-1	-1	33	-1	10	8	66	30
36942	2	19	23	7	7	3	-1	-1	35	-1	11	7	86	37
36943	3	25	30	7	6	4	-1	-1	38	-1	11	8	80	38
36944	1	2	4	1	2	3	-1	4	5	-1	-1	3	7	5
36945	3	15	18	4	4	2	-1	-1	31	-1	8	5	61	29
36945-R	3	15	18	19	7	2	-1	-1	30	-1	7	5	59	29
36946	2	14	17	10	10	1	-1	-1	36	-1	8	6	87	40
36947	2	15	18	4	4	3	-1	2	27	-1	6	8	58	28
36948	1	12	14	5	5	2	-1	2	29	-1	6	6	62	30
36949	-1	2	-1	3	6	2	-1	-1	6	-1	2	2	18	8
36950	-1	2	2	3	4	2	-1	2	2	-1	-1	2	6	3
36951	2	18	21	3	3	-1	-1	1	33	-1	7	4	46	38
36952	-1	2	3	-1	-1	2	-1	2	3	-1	-1	2	5	4
36953	3	18	22	6	6	3	-1	-1	43	-1	9	9	103	48
36954	1	7	2	23	26	2	-1	-1	40	-1	9	3	101	50
36955	-1	1	2	2	2	2	-1	3	3	-1	-1	1	5	3
36956	-1	3	5	2	2	5	-1	6	4	-1	1	3	7	6
36957	-1	-1	-1	-1	-1	3	-1	-1	3	-1	-1	3	2	2
36958	-1	2	3	1	2	3	-1	3	2	-1	-1	2	6	4
36959	-1	2	3	1	2	3	-1	3	3	-1	-1	2	4	5
36960	-1	1	-1	1	1	2	-1	-1	3	-1	-1	2	6	4
36960-R	-1	1	1	1	1	2	-1	-1	3	-1	-1	2	7	4
36961	-1	1	2	2	2	2	-1	2	3	-1	-1	2	5	4
36962	-1	2	1	3	4	-1	-1	-1	4	-1	-1	2	8	4
36963	-1	7	2	2	4	3	-1	3	4	-1	1	2	9	6
36964	-1	2	-1	4	5	1	-1	-1	5	-1	-1	2	14	6
36965	2	16	19	9	10	5	-1	4	31	-1	7	16	120	38
36966	3	27	32	11	11	2	-1	2	71	-1	14	13	213	92
36967	4	35	41	18	19	5	-1	5	90	-1	16	12	234	126
36968	2	14	16	16	7	2	-1	-1	35	-1	6	8	46	36
36969	-1	3	5	2	3	-1	-1	-1	11	-1	2	1	23	9
36970	2	17	20	19	6	2	-1	-1	32	-1	5	5	19	32
36971	4	31	36	35	13	4	-1	-1	59	-1	10	11	124	66
36972	1	5	6	2	2	-1	-1	-1	12	-1	2	5	29	13
36973	2	11	14	15	20	-1	-1	-1	48	-1	9	9	120	59
LMB-QA	-1	-1	-1	-1	-1	1	-1	-1	-1	-1	-1	-1	-1	-1
LMB-QA	-1	-1	-1	-1	-1	2	-1	-1	-1	-1	-1	-1	-1	-1

Excalibur Resources Ltd.
Jim Kendall
-1=Reporting Limit of 1pg/g (ppt=parts per trillion)

SOIL GAS HYDROCARBONS
(SGH) by GC/MS
STURGEON LAKE PROJECT SITE

Activation Laboratories Ltd.
Date: September 29, 2010
R=Replicate Sample

	.015-LAR	.016-LB	.017-LB	.018-LB	.019-LB	.020-LA	.021-LPH	.022-LBA	.023-LAR	.024-LB	.025-LAR	.026-LBA	.027-LB	.028-ALK
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SOIL GAS HYDROCARBONS
(SGH) by GC/MS
STURGEON LAKE PROJECT SITE

	.029-HB	.030-HB	.031-HB	.032-HB	.033-HB	.034-HB	.035-LAR	.036-LBA	.037-HB	.038-LBA	.039-LAR	.040-LPB	.041-LBA	.042-LPB
36941	3	-1	11	-1	-1	-1	-1	-1	-1	2	2	2	4	5
36942	3	-1	12	-1	-1	-1	-1	-1	-1	3	3	2	5	6
36943	3	-1	5	-1	-1	-1	-1	-1	1	3	2	2	5	5
36944	2	-1	3	-1	-1	-1	-1	-1	2	2	-1	-1	2	1
36945	3	-1	3	-1	-1	-1	-1	2	-1	2	2	-1	2	3
36945-R	3	-1	3	-1	-1	-1	-1	3	-1	2	2	-1	2	3
36946	3	-1	14	-1	-1	-1	-1	-1	-1	3	3	2	5	6
36947	2	-1	6	-1	-1	-1	-1	-1	-1	3	2	2	5	5
36948	3	-1	9	-1	-1	-1	-1	-1	-1	2	2	2	4	5
36949	-1	-1	4	-1	-1	-1	-1	-1	3	-1	-1	-1	1	2
36950	-1	-1	2	-1	-1	-1	-1	-1	2	2	-1	-1	1	1
36951	3	-1	3	-1	-1	-1	-1	-1	-1	1	2	-1	2	3
36952	-1	-1	2	-1	-1	-1	-1	3	-1	3	-1	-1	2	-1
36953	3	-1	5	-1	-1	-1	-1	-1	-1	4	3	-2	8	7
36954	4	-1	22	-1	-1	-1	-1	-1	-1	3	3	2	7	6
36955	-1	-1	2	-1	-1	-1	-1	2	1	-1	-1	-1	1	-1
36956	2	-1	3	-1	-1	-1	-1	6	-1	7	-1	-1	3	1
36957	-1	-1	-1	-1	-1	-1	-1	3	-1	3	-1	-1	1	-1
36958	1	-1	2	-1	-1	-1	-1	2	-1	1	-1	-1	2	-1
36959	-1	-1	2	-1	-1	-1	-1	2	-1	1	-1	-1	2	-1
36960	-1	-1	3	-1	-1	1	-1	-1	2	-1	-1	-1	1	1
36960-R	-1	-1	3	-1	-1	1	-1	-1	3	-1	-1	-1	1	1
36961	2	-1	2	-1	-1	-1	-1	1	1	2	-1	-1	1	-1
36962	2	-1	3	-1	-1	-1	-1	-1	3	2	-1	-1	1	1
36963	3	-1	5	-1	-1	3	-1	2	5	3	-1	-1	2	2
36964	-1	-1	4	-1	-1	-1	-1	-1	3	-1	1	-1	1	2
36965	4	-1	12	-1	-1	-1	-1	-1	-1	4	3	3	6	7
36966	6	-1	12	-1	-1	-1	-1	-1	-1	7	5	5	12	13
36967	9	-1	25	-1	-1	-1	-1	-1	2	6	6	6	15	15
36968	3	-1	3	-1	-1	-1	-1	-1	-1	2	2	1	4	3
36969	2	-1	2	-1	-1	-1	-1	1	-1	-1	1	-1	2	2
36970	3	-1	3	-1	-1	-1	-1	2	-1	1	-1	-1	3	2
36971	4	-1	4	-1	-1	-1	-1	-1	2	4	3	2	9	6
36972	3	-1	5	-1	-1	-1	-1	-1	-1	-1	1	-1	2	-1
36973	4	-1	23	-1	-1	-1	-1	-1	-1	3	3	3	8	7
LMB-QA	-1	-1	-1	-1	-1	-1	-1	-1	-1	1	-1	-1	1	-1
LMB-QA	-1	-1	-1	-1	-1	-1	-1	2	-1	-1	-1	-1	-1	-1

Excalibur Resources Ltd.
Jim Kendall
-1=Reporting Limit of 1pg/g (ppt=parts per trillion)

SOIL GAS HYDROCARBONS
(SGH) by GC/MS
STURGEON LAKE PROJECT SITE

Activation Laboratories Ltd.
Date: September 29, 2010
R=Replicate Sample

	.029-HB	.030-HB	.031-HB	.032-HB	.033-HB	.034-HB	.035-LAR	.036-LBA	.037-HB	.038-LBA	.039-LAR	.040-LPB	.041-LBA	.042-LPB

	.043-HB	.044-HB	.045-LA	.046-LPH	.047-LBA	.048-HB	.049-HB	.050-LBA	.051-LBI	.052-LPB	.053-LPB	.054-HB	.055-LPB	.056-LBI
36941	3	4	17	-1	6	-1	-1	4	-1	-1	4	-1	-1	-1
36942	2	2	21	-1	7	-1	-1	5	-1	-1	5	-1	-1	-1
36943	4	5	20	-1	8	-1	-1	5	-1	-1	4	-1	-1	-1
36944	-1	-1	12	-1	4	-1	-1	3	-1	-1	1	2	-1	-1
36945	-1	-1	9	-1	4	-1	-1	3	-1	-1	3	-1	-1	-1
36945-R	-1	-1	12	-1	5	-1	-1	4	-1	-1	3	-1	-1	-1
36946	-1	-1	16	-1	6	-1	-1	5	-1	-1	5	-1	-1	-1
36947	3	3	19	-1	7	-1	-1	4	-1	-1	4	-1	-1	-1
36948	-1	-1	12	-1	6	-1	-1	4	-1	-1	4	-1	-1	-1
36949	-1	-1	5	-1	3	-1	-1	2	-1	-1	2	-1	-1	-1
36950	-1	-1	5	-1	3	-1	-1	2	-1	-1	1	1	-1	-1
36951	1	3	4	-1	2	-1	-1	2	-1	-1	3	-1	-1	-1
36952	-1	-1	9	-1	4	1	1	3	-1	-1	1	1	-1	-1
36953	2	2	33	-1	12	-1	-1	7	-1	-1	5	-1	-1	-1
36954	-1	-1	17	-1	9	-1	-1	8	-1	-1	5	-1	-1	-1
36955	-1	-1	7	-1	2	-1	-1	2	-1	-1	1	1	-1	-1
36956	-1	-1	19	-1	8	-1	-1	5	-1	-1	1	1	-1	-1
36957	-1	-1	4	-1	2	-1	-1	1	-1	-1	-1	-1	-1	-1
36958	-1	-1	9	-1	4	-1	-1	3	-1	-1	-1	1	-1	-1
36959	-1	-1	8	-1	4	-1	-1	3	-1	-1	-1	-1	-1	-1
36960	-1	-1	4	-1	3	-1	-1	3	-1	-1	1	-1	-1	-1
36960-R	-1	-1	4	-1	2	-1	-1	2	-1	-1	1	-1	-1	-1
36961	-1	-1	7	-1	3	-1	-1	2	-1	-1	-1	-1	-1	-1
36962	-1	-1	2	-1	2	-1	-1	1	-1	-1	1	-1	-1	-1
36963	1	1	8	-1	3	-1	-1	3	-1	-1	2	1	-1	-1
36964	-1	-1	3	-1	2	-1	-1	2	-1	-1	2	1	-1	-1
36965	-1	-1	11	-1	7	-1	-1	6	-1	-1	5	2	-1	-1
36966	-1	-1	28	-1	15	-1	-1	13	-1	-1	9	-1	-1	-1
36967	2	2	31	-1	15	-1	-1	10	-1	-1	9	-1	-1	-1
36968	1	1	10	-1	5	-1	-1	4	-1	-1	3	-1	-1	-1
36969	-1	-1	3	-1	2	-1	-1	2	-1	-1	2	1	-1	-1
36970	2	3	7	-1	4	-1	-1	3	-1	-1	2	3	-1	-1
36971	6	6	14	-1	7	-1	-1	5	-1	-1	5	-1	-1	-1
36972	-1	-1	4	-1	3	-1	-1	3	-1	-1	2	-1	-1	-1
36973	-1	-1	8	-1	7	-1	-1	7	-1	-1	5	-1	-1	-1
LMB-QA	-1	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
LMB-QA	-1	-1	3	-1	1	-1	-1	1	-1	-1	-1	-1	-1	-1

Excalibur Resources Ltd.
Jim Kendall
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SOIL GAS HYDROCARBONS
(SGH) by GC/MS
STURGEON LAKE PROJECT SITE

Activation Laboratories Ltd.
Date: September 29, 2010
R=Replicate Sample

	.043-HB	.044-HB	.045-LA	.046-LPH	.047-LBA	.048-HB	.049-HB	.050-LBA	.051-LBI	.052-LPB	.053-LPB	.054-HB	.055-LPB	.056-LBI
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SOIL GAS HYDROCARBONS
(SGH) by GC/MS
STURGEON LAKE PROJECT SITE

	.057-.ALK	.058-.LPB	.059-.LPB	.060-.LPH	.061-.LBI	.062-.LBA	.063-.LPH	.064-.LBA	.065-.HPB	.066-.LBA	.067-.LBI	.068-.HPB	.069-.LA	.070-.HPB
36941	2	2	2	-1	1	7	2	10	2	9	1	1	13	2
36942	2	3	3	-1	1	9	2	12	2	10	2	2	16	2
36943	3	2	3	-1	2	10	2	24	2	13	1	2	18	3
36944	-1	-1	-1	-1	1	5	-1	5	-1	7	-1	-1	11	1
36945	3	2	2	-1	1	7	2	11	2	8	1	1	11	2
36945-R	2	2	2	-1	1	7	-1	11	2	8	-1	1	16	2
36946	2	2	3	-1	1	8	2	9	-1	7	1	1	12	2
36947	2	2	2	-1	1	9	2	9	2	12	-1	1	16	2
36948	2	2	2	-1	1	7	2	14	2	6	-1	1	12	1
36949	-1	-1	-1	-1	-1	3	-1	1	-1	2	-1	-1	5	1
36950	-1	-1	-1	-1	-1	4	-1	5	-1	3	-1	-1	5	1
36951	2	1	2	-1	-1	4	-1	5	-1	3	-1	-1	5	1
36952	-1	-1	-1	-1	-1	5	-1	5	-1	4	1	-1	10	1
36953	3	3	3	-1	2	14	3	18	2	22	-1	2	28	3
36954	3	2	3	-1	1	10	1	11	2	7	1	1	18	2
36955	-1	-1	-1	-1	-1	4	-1	4	-1	4	-1	-1	8	1
36956	-1	-1	-1	-1	1	7	1	7	1	11	1	1	13	2
36957	-1	-1	-1	-1	-1	4	-1	5	-1	6	-1	-1	3	1
36958	-1	-1	-1	-1	1	5	1	6	1	3	-1	1	9	1
36959	-1	-1	-1	-1	-1	4	-1	5	-1	6	-1	-1	8	1
36960	-1	-1	-1	-1	-1	4	-1	4	-1	3	-1	-1	4	1
36960-R	-1	-1	-1	-1	-1	3	-1	4	-1	2	-1	-1	6	1
36961	-1	-1	-1	-1	-1	4	-1	4	-1	6	1	-1	7	1
36962	-1	-1	-1	-1	-1	4	-1	3	-1	4	-1	-1	5	1
36963	-1	-1	-1	-1	1	5	1	5	1	4	-1	1	7	1
36964	-1	-1	1	-1	-1	3	-1	4	-1	5	-1	-1	5	1
36965	3	3	3	1	1	10	2	33	-1	5	1	1	10	2
36966	3	5	6	1	2	19	3	27	3	18	2	3	34	4
36967	2	5	6	1	2	23	3	33	3	10	2	3	37	3
36968	3	2	2	-1	1	10	1	11	-1	4	-1	1	14	2
36969	1	1	1	-1	1	4	-1	3	-1	5	-1	1	4	1
36970	2	1	1	-1	-1	6	-1	7	-1	8	-1	-1	11	1
36971	3	3	5	1	2	3	3	24	-1	2	1	2	17	3
36972	1	1	1	-1	-1	5	-1	4	-1	7	-1	-1	8	1
36973	4	3	3	-1	1	6	2	9	2	8	1	1	6	2
LMB-QA	-1	-1	-1	-1	-1	2	-1	2	-1	3	-1	-1	5	-1
LMB-QA	-1	-1	-1	-1	-1	3	-1	3	-1	3	-1	-1	6	-1

Excalibur Resources Ltd.
Jim Kendall
-1=Reporting Limit of 1pg/g (ppt=parts per trillion)

SOIL GAS HYDROCARBONS
(SGH) by GC/MS
STURGEON LAKE PROJECT SITE

Activation Laboratories Ltd.
Date: September 29, 2010
R=Replicate Sample

	.057-ALK	.058-LPB	.059-LPB	.060-LPH	.061-LBI	.062-LBA	.063-LPH	.064-LBA	.065-HPB	.066-LBA	.067-LBI	.068-HPB	.069-LA	.070-HPB

SOIL GAS HYDROCARBONS
(SGH) by GC/MS
STURGEON LAKE PROJECT SITE

	.071-HPB	.072-HPB	.073-HBA	.074-HBA	.075-HPB	.076-LPH	.077-MAR	.078-ALK	.079-LBI	.080-LPH	.081-MAR	.082-LPH	.083-HBA	.084-HBA
36941	2	2	7	8	2	1	1	3	-1	1	2	2	16	2
36942	2	2	8	10	2	1	1	2	-1	2	2	2	6	2
36943	3	3	10	12	2	2	1	-1	-1	2	3	2	6	2
36944	1	1	6	6	1	-1	-1	2	-1	1	2	2	6	2
36945	2	2	6	7	1	1	-1	-1	-1	2	2	2	12	2
36945-R	2	2	10	12	1	1	-1	5	-1	2	2	2	4	2
36946	2	2	7	8	2	1	-1	3	2	1	2	2	4	2
36947	2	2	10	11	2	1	1	1	-1	2	2	2	4	2
36948	2	2	11	5	1	1	-1	5	-1	1	2	2	2	1
36949	1	1	4	4	1	-1	-1	2	-1	1	1	2	1	1
36950	-1	1	4	4	1	-1	-1	2	-1	1	2	2	3	1
36951	1	1	4	5	-1	-1	-1	2	-1	1	1	2	-1	-1
36952	-1	1	6	7	1	-1	-1	3	-1	1	1	2	5	2
36953	3	3	15	16	3	2	1	4	-1	2	3	2	3	2
36954	2	2	14	13	2	1	1	6	-1	2	2	2	6	2
36955	1	1	4	5	1	-1	-1	2	-1	1	1	2	4	2
36956	2	2	7	7	2	-1	-1	3	-1	1	2	2	10	2
36957	1	1	1	1	1	1	1	3	-1	1	2	2	1	2
36958	1	1	5	6	1	-1	-1	3	-1	1	2	2	6	2
36959	1	1	4	4	-1	-1	-1	2	-1	1	2	1	8	1
36960	1	1	4	4	1	-1	-1	2	-1	1	1	2	5	1
36960-R	1	1	4	5	1	-1	-1	2	-1	1	2	2	6	1
36961	1	1	4	4	1	-1	-1	3	-1	1	2	2	5	1
36962	1	1	4	5	1	-1	-1	3	-1	-1	2	2	5	1
36963	1	1	5	6	1	-1	-1	3	-1	1	2	2	6	2
36964	1	1	4	4	1	-1	-1	2	-1	1	1	2	7	1
36965	2	2	9	11	2	1	-1	6	-1	2	2	2	2	2
36966	4	4	20	22	3	2	2	10	-1	3	4	3	19	2
36967	4	4	19	22	3	2	2	1	-1	3	4	2	27	3
36968	1	1	8	9	1	1	-1	5	-1	2	2	2	6	2
36969	1	1	5	5	1	-1	-1	2	-1	1	2	1	8	1
36970	1	1	9	8	1	-1	-1	4	-1	2	2	2	2	2
36971	3	3	10	12	2	2	1	7	-1	3	3	2	5	2
36972	1	1	6	7	-1	-1	-1	3	-1	1	1	2	2	2
36973	2	2	1	7	2	1	1	4	-1	2	2	2	9	2
LMB-QA	-1	-1	3	1	-1	-1	-1	1	-1	-1	1	1	4	1
LMB-QA	-1	-1	3	2	-1	-1	-1	1	-1	1	1	2	5	1

Excalibur Resources Ltd.
Jim Kendall
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SOIL GAS HYDROCARBONS
(SGH) by GC/MS
STURGEON LAKE PROJECT SITE

Activation Laboratories Ltd.
Date: September 29, 2010
R=Replicate Sample

	.071-HPB	.072-HPB	.073-HBA	.074-HBA	.075-HPB	.076-LPH	.077-MAR	.078-ALK	.079-LBI	.080-LPH	.081-MAR	.082-LPH	.083-HBA	.084-HBA
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SOIL GAS HYDROCARBONS
(SGH) by GC/MS
STURGEON LAKE PROJECT SITE

	.085 : LPH	.086 : LBI	.087 : MAR	.088 : HBA	.089 : TFI	.090 : HPB	.091 : LBI	.092 : LPH	.093 : LA	.094 : LBI	.095 : MAR	.096 : LPH	.097 : HBA	.098 : TFI
36941	14	1	2	14	-1	2	3	2	41	3	2	3	31	3
36942	16	-1	2	18	-1	3	3	2	68	3	2	4	41	3
36943	20	1	3	20	-1	3	3	2	65	3	2	4	47	4
36944	11	-1	8	11	-1	3	2	2	38	3	1	2	28	3
36945	16	-1	2	13	-1	2	2	2	33	2	2	3	22	2
36945-R	16	-1	2	17	-1	2	3	2	45	3	2	3	32	3
36946	13	1	2	13	-1	2	2	2	33	3	-1	3	24	2
36947	20	-1	2	16	-1	2	2	2	47	3	2	3	33	3
36948	13	1	2	12	-1	2	2	2	27	2	2	3	21	2
36949	7	-1	6	6	-1	2	2	1	13	2	2	2	10	2
36950	8	-1	7	7	-1	3	2	1	13	2	2	2	11	2
36951	7	-1	2	5	-1	2	1	2	11	1	1	2	8	2
36952	14	1	6	13	-1	2	2	2	25	2	2	2	19	2
36953	31	-1	3	30	-1	3	5	3	108	5	-1	6	85	6
36954	20	1	2	16	-1	2	3	2	44	3	2	3	33	3
36955	11	-1	3	8	-1	2	2	1	24	2	2	2	19	2
36956	21	1	7	19	-1	3	3	2	46	3	2	2	35	3
36957	1	-1	11	1	-1	3	1	2	18	2	-1	2	13	2
36958	11	1	17	8	-1	4	2	1	30	2	2	2	22	3
36959	10	-1	3	10	-1	2	2	2	23	2	2	2	18	2
36960	10	-1	3	7	-1	2	1	1	10	2	1	2	4	1
36960-R	11	-1	4	8	-1	2	1	1	11	2	2	2	9	2
36961	11	1	5	10	-1	2	2	2	22	2	2	2	17	2
36962	8	-1	10	6	-1	3	1	1	9	1	2	2	8	2
36963	11	1	5	10	-1	3	2	2	17	2	2	2	14	-1
36964	7	-1	3	9	-1	2	1	1	8	1	-1	2	8	1
36965	12	1	2	14	-1	3	4	2	32	3	2	4	23	2
36966	48	2	4	44	-1	4	8	3	88	6	-1	8	66	3
36967	48	2	4	47	-1	4	17	4	185	11	2	9	115	5
36968	18	-1	2	16	-1	2	4	2	51	4	2	3	37	3
36969	8	-1	2	6	-1	2	1	1	9	1	2	2	7	1
36970	14	-1	2	12	-1	2	3	2	28	3	2	2	21	2
36971	17	1	3	23	1	3	13	3	106	9	2	6	69	4
36972	8	-1	2	7	-1	2	2	1	14	2	1	2	11	2
36973	15	1	2	10	-1	2	1	2	9	2	2	3	13	2
LMB-QA	5	-1	1	3	-1	2	1	1	7	1	1	1	6	1
LMB-QA	8	-1	1	4	-1	1	1	1	8	1	1	1	6	1

Excalibur Resources Ltd.
Jim Kendall
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SOIL GAS HYDROCARBONS
(SGH) by GC/MS
STURGEON LAKE PROJECT SITE

Activation Laboratories Ltd.
Date: September 29, 2010
R=Replicate Sample

	.085 - LPH	.086 - LBI	.087 - MAR	.088 - HBA	.089 - THI	.090 - HPB	.091 - LBI	.092 - LPH	.093 - LA	.094 - LBI	.095 - MAR	.096 - LPH	.097 - HBA	.098 - THI
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SOIL GAS HYDROCARBONS
(SGH) by GC/MS
STURGEON LAKE PROJECT SITE

	.099-LPH	.100-LPH	.101-MAR	.102-MBL	.103-LPH	.104-MAR	.105-ALK	.106-MBI	.107-MBI	.108-LPH	.109-MAR	.110-HBA	.111-MAR	.112-MBI
36941	2	3	-1	2	2	3	4	1	2	7	8	21	4	6
36942	3	3	-1	2	2	3	6	-1	2	6	8	31	4	8
36943	3	3	-1	2	2	5	6	2	3	8	9	32	4	9
36944	2	2	-1	2	2	3	3	-1	2	5	7	22	4	8
36945	3	2	-1	2	2	3	4	1	2	6	7	23	4	7
36945-R	3	2	-1	2	2	3	5	-1	2	6	8	29	4	8
36946	2	2	-1	2	2	2	4	1	2	5	7	19	4	7
36947	3	2	-1	2	2	3	4	-1	2	5	6	22	4	7
36948	2	2	-1	2	2	2	3	1	2	6	6	19	3	8
36949	2	2	-1	2	2	2	2	-1	2	5	6	15	3	9
36950	2	2	-1	1	2	3	3	-1	2	6	6	22	3	8
36951	2	2	-1	2	2	2	3	1	2	6	6	14	-3	8
36952	2	2	-1	2	2	2	3	1	2	5	7	21	4	6
36953	4	4	-1	2	2	5	7	2	2	5	9	39	-5	11
36954	2	2	-1	2	2	2	5	1	2	6	7	29	4	12
36955	1	2	-1	2	2	2	3	1	2	5	6	18	3	7
36956	2	2	-1	2	2	3	4	1	2	6	7	28	3	8
36957	2	2	-1	2	2	2	4	-1	2	6	7	23	3	6
36958	2	2	-1	1	2	-1	4	1	-1	6	-1	27	4	9
36959	2	2	-1	2	2	2	3	-1	2	5	6	21	3	6
36960	2	2	-1	2	2	2	3	-1	2	5	6	17	3	7
36960-R	2	2	-1	2	2	2	3	-1	2	5	6	18	3	7
36961	2	2	-1	1	2	2	3	1	2	-1	6	20	4	6
36962	2	2	-1	2	2	2	3	-1	2	5	6	15	3	8
36963	2	2	-1	2	2	2	3	-1	2	5	7	20	3	15
36964	2	2	-1	2	2	2	2	-1	2	5	6	13	3	7
36965	3	3	-1	2	2	3	4	1	2	7	7	25	4	13
36966	6	4	-1	3	3	6	10	2	3	9	11	70	7	16
36967	6	4	-1	3	3	6	12	2	3	9	11	73	7	20
36968	2	3	-1	2	2	-1	5	1	2	6	6	31	4	10
36969	2	2	-1	2	2	2	3	-1	2	5	6	15	3	8
36970	2	2	-1	2	2	3	5	1	2	6	7	30	4	9
36971	4	4	-1	2	3	5	8	2	3	-1	9	51	5	19
36972	2	2	-1	2	2	2	3	1	2	6	6	18	3	6
36973	3	3	-1	2	2	3	5	1	2	6	9	27	5	12
LMB-QA	1	2	-1	1	2	1	2	-1	2	5	5	10	3	4
LMB-QA	1	2	-1	1	2	1	2	-1	2	5	6	11	3	4

Excalibur Resources Ltd.
Jim Kendall
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SOIL GAS HYDROCARBONS
(SGH) by GC/MS
STURGEON LAKE PROJECT SITE

Activation Laboratories Ltd.
Date: September 29, 2010
R=Replicate Sample

	. 099.- LPH .	. 100.- LPH .	. 101.- MAR .	. 102.- MBI .	. 103.- LPH .	. 104.- MAR .	. 105.- ALK .	. 106.- MBI .	. 107.- MBI .	. 108.- LPH .	. 109.- MAR .	. 110.- HBA .	. 111.- MAR .	. 112.- MBI .
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SOIL GAS HYDROCARBONS
(SGH) by GC/MS
STURGEON LAKE PROJECT SITE

	.113-HBA	.114-MBI	.115-MBI	.116-MAR	.117-HA	.118-MPH	.119-HBA	.120-THI	.121-MPH	.122-MPH	.123-MPH	.124-MBI	.125-HAR	.126-MPH
36941	21	7	8	4	49	6	28	4	6	12	5	8	6	6
36942	25	8	9	4	60	6	32	5	6	12	6	9	7	6
36943	22	8	9	4	64	7	34	4	6	13	6	8	7	6
36944	19	11	10	4	44	5	26	5	5	10	5	10	6	5
36945	19	6	7	4	44	6	27	4	5	11	5	6	6	5
36945-R	25	6	7	4	78	6	41	4	5	11	5	8	1	6
36946	19	7	8	3	41	5	23	3	4	11	5	9	6	5
36947	18	7	8	4	48	5	25	4	5	10	5	7	6	5
36948	18	7	8	4	46	5	28	4	5	9	5	7	6	5
36949	13	9	8	4	25	5	15	4	5	9	5	9	1	5
36950	14	9	9	4	30	6	19	4	6	9	5	12	6	5
36951	13	6	6	3	31	5	9	4	5	9	6	7	6	5
36952	17	7	7	4	34	5	25	4	5	9	5	7	6	5
36953	32	10	12	5	92	7	45	1	7	10	6	10	7	7
36954	26	12	11	4	102	6	46	4	6	10	5	12	7	6
36955	15	7	7	4	35	5	21	4	5	9	5	8	6	6
36956	23	9	9	4	51	5	26	4	5	9	5	9	6	5
36957	20	6	7	4	46	5	22	4	4	10	5	7	6	5
36958	22	10	11	4	64	6	29	4	5	9	5	10	6	6
36959	20	7	8	4	37	5	22	4	5	9	5	7	6	5
36960	18	6	7	4	32	5	20	4	5	9	5	7	6	5
36960-R	18	6	7	3	34	5	22	4	5	9	5	7	5	5
36961	16	7	7	4	36	5	21	4	5	8	5	8	6	5
36962	15	8	8	3	29	5	19	4	5	8	5	9	6	5
36963	20	10	10	4	34	5	23	4	5	9	5	9	1	5
36964	13	7	7	3	28	5	17	4	5	9	5	8	8	5
36965	19	9	9	4	65	7	33	5	6	10	6	10	7	6
36966	49	18	19	5	134	9	77	5	8	12	7	16	10	8
36967	55	19	20	5	166	9	78	5	9	13	8	18	11	8
36968	25	7	8	4	66	6	38	4	6	9	5	8	7	5
36969	18	7	7	3	35	5	24	4	5	9	5	9	6	5
36970	25	7	8	4	65	5	42	4	4	9	5	8	6	5
36971	35	10	11	5	94	7	48	5	7	11	7	11	8	7
36972	16	5	6	4	37	5	26	4	5	8	5	6	5	5
36973	22	12	12	4	56	7	39	5	6	10	6	12	9	6
LMB-QA	11	4	4	3	20	4	13	4	4	8	4	5	5	5
LMB-QA	12	3	4	3	20	4	13	4	4	8	4	5	6	5

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Jim Kendall
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SOIL GAS HYDROCARBONS
(SGH) by GC/MS
STURGEON LAKE PROJECT SITE

Activation Laboratories Ltd.
Date: September 29, 2010
R=Replicate Sample

	. 113 -HBA .	. 114 -MBI .	. 115 - MBI .	. 116 - MAR .	. 117 - HA .	. 118 -MPH .	. 119 -HBA .	. 120 - THI .	. 121 - MPH .	. 122 - MPH .	. 123 - MPH .	. 124 - MBI .	. 125 - HAR .	. 126 - MPH .
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SOIL GAS HYDROCARBONS
(SGH) by GC/MS
STURGEON LAKE PROJECT SITE

	127-MPH	128-MPH	129-HAR	130-HAR	131-MPH	132-ALK	133-HAR	134-HAR	135-MPH	136-MPH	137-HBL	138-HBL	139-HPH	140-HPH
36941	4	4	4	5	5	23	11	17	10	9	5	8	10	9
36942	4	3	4	5	5	28	12	17	11	9	6	9	11	9
36943	5	4	4	5	6	28	12	17	12	10	6	9	12	9
36944	4	3	4	5	5	21	12	17	10	10	6	8	10	8
36945	4	3	4	5	5	22	10	17	12	9	6	8	9	8
36945-R	4	3	4	5	5	32	12	17	11	10	6	9	10	8
36946	4	3	4	5	5	21	10	16	10	9	6	8	1	8
36947	4	3	4	5	5	24	11	16	12	9	6	8	9	8
36948	4	3	4	5	6	25	11	14	11	10	6	8	10	8
36949	4	3	4	5	5	14	10	14	9	9	5	8	10	8
36950	4	3	4	5	5	15	10	15	9	9	5	8	9	8
36951	4	3	4	5	5	20	11	15	10	9	6	8	1	8
36952	4	3	4	5	5	17	11	15	10	9	5	8	9	8
36953	5	4	4	5	6	36	12	18	11	12	7	8	1	8
36954	4	3	4	5	6	32	13	16	11	10	6	9	11	9
36955	4	3	4	5	5	18	11	14	10	8	6	8	9	8
36956	4	4	4	5	5	23	11	15	10	9	5	8	9	8
36957	4	3	4	5	5	21	11	14	10	9	6	8	1	8
36958	4	3	4	5	5	21	11	15	11	10	6	8	2	8
36959	4	3	4	5	5	19	11	15	10	9	6	8	9	8
36960	4	3	4	5	5	17	11	14	10	9	6	8	9	8
36960-R	4	3	4	5	5	19	11	15	10	8	5	8	9	8
36961	4	3	4	5	5	18	11	15	10	10	5	8	2	8
36962	4	3	4	5	5	17	10	14	10	9	5	8	10	7
36963	4	3	4	5	5	18	11	15	10	9	5	8	9	8
36964	4	3	4	5	4	16	10	14	10	10	6	7	10	8
36965	4	3	4	5	6	30	12	16	11	10	6	9	11	8
36966	5	4	4	6	6	54	13	22	13	13	7	11	12	9
36967	5	3	5	6	6	63	13	22	12	14	8	1	15	10
36968	4	3	4	5	5	32	11	16	11	11	6	1	11	8
36969	4	3	4	5	5	20	11	15	10	9	5	8	10	9
36970	4	3	4	5	5	33	11	16	10	11	7	9	1	8
36971	5	3	5	6	6	45	11	18	12	12	6	9	14	9
36972	4	3	4	5	6	25	10	15	10	9	6	8	10	8
36973	4	3	4	6	5	36	11	19	12	10	6	9	11	9
LMB-QA	4	3	4	5	5	13	10	13	9	9	5	7	9	7
LMB-QA	4	3	4	5	5	10	9	13	10	8	5	7	9	8

Excalibur Resources Ltd.
Jim Kendall
-1=Reporting Limit of 1pg/g (ppt=parts per trillion)

SOIL GAS HYDROCARBONS
(SGH) by GC/MS
STURGEON LAKE PROJECT SITE

Activation Laboratories Ltd.
Date: September 29, 2010
R=Replicate Sample

	.127-MPH	.128-MPH	.129-HAR	.130-HAR	.131-MPH	.132-ALK	.133-HAR	.134-HAR	.135-MPH	.136-MPH	.137-HBI	.138-HBI	.139-HPH	.140-HPH
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	.141-.HBI	.142-.HPI	.143-.HA	.144-.HBI	.145-.HBA	.146-.HPI	.147-.HBI	.148-.HPI	.149-.HBI	.150-.HPI	.151-.HBI	.152-.HPI	.153-.HPI	.154-.HPI
36941	8	11	56	11	61	3	7	8	11	10	9	8	20	15
36942	9	11	70	11	77	3	7	10	11	2	10	10	22	3
36943	9	13	81	11	71	19	8	12	1	2	9	20	30	16
36944	8	9	61	10	51	16	7	9	2	11	9	14	17	3
36945	8	11	57	11	62	3	7	9	1	2	8	7	25	16
36945-R	8	11	73	10	98	17	7	9	10	2	8	7	28	3
36946	8	1	50	10	52	2	6	9	10	11	9	15	22	15
36947	8	2	56	9	80	2	6	10	10	11	9	6	22	16
36948	8	10	53	10	73	16	6	9	1	10	8	5	19	14
36949	8	10	38	10	37	15	6	7	10	9	9	12	16	15
36950	8	9	42	10	32	16	6	8	10	10	8	13	16	14
36951	8	11	45	9	51	3	6	9	10	10	8	6	20	16
36952	2	10	50	10	50	3	7	8	11	9	8	3	16	15
36953	9	12	86	11	129	2	7	10	2	11	9	6	25	16
36954	9	2	74	10	112	3	7	10	10	12	9	6	19	16
36955	8	9	50	10	46	16	6	8	9	10	9	12	15	7
36956	8	10	63	10	53	2	7	8	2	10	8	6	17	2
36957	8	10	45	10	28	2	7	8	10	9	9	1	16	2
36958	8	1	55	10	50	2	6	8	10	9	9	1	15	15
36959	8	1	51	10	40	2	7	8	10	10	8	13	16	3
36960	8	10	44	10	40	3	6	8	10	10	8	2	15	16
36960-R	1	9	45	10	45	1	6	7	10	9	8	12	15	14
36961	9	11	52	10	42	3	6	8	10	10	9	2	15	15
36962	7	2	43	10	42	2	6	7	10	1	8	3	16	15
36963	8	10	47	11	45	3	7	8	11	10	9	2	15	16
36964	8	1	38	10	43	2	7	8	2	1	9	2	15	14
36965	10	14	67	11	79	20	9	12	11	7	9	12	26	2
36966	10	14	113	13	198	3	9	14	14	3	10	7	45	19
36967	12	2	234	13	211	3	9	16	2	8	10	8	43	19
36968	9	13	87	11	75	5	7	10	11	2	9	5	34	18
36969	8	11	18	10	57	1	7	9	1	1	9	6	19	16
36970	9	11	76	10	126	2	7	10	11	2	9	6	25	16
36971	11	17	186	12	118	24	8	15	12	3	10	23	48	18
36972	8	12	56	10	100	4	6	9	10	2	8	1	19	15
36973	11	14	84	13	86	2	8	11	2	7	10	9	22	16
LMB-QA	8	9	35	9	25	15	6	8	10	9	9	12	2	15
LMB-QA	8	10	37	9	37	4	6	8	1	10	8	2	15	2

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SOIL GAS HYDROCARBONS
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Activation Laboratories Ltd.
Date: September 29, 2010
R=Replicate Sample

	. 141.- HBI .	. 142.- HPH .	. 143 -HA .	. 144 -HBI .	. 145 -HBA .	. 146 -HPH .	. 147 . HBI .	. 148 . HPH .	. 149 - HBI .	. 150.- HPH .	. 151 - HBI .	. 152 - HPH .	. 153 - HPH .	. 154 -HPH .
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SOIL GAS HYDROCARBONS
(SGH) by GC/MS
STURGEON LAKE PROJECT SITE

	.155 - HPH	.156 - HBI	.157 - HAR	.158 - HBA	.159 - HBA	.160 - HBI	.161 - HA	.162 - HPH
36941	16	13	13	51	2	3	21	18
36942	16	14	15	46	18	3	59	18
36943	16	14	14	49	16	2	61	4
36944	16	14	13	45	17	17	64	7
36945	16	13	13	44	2	2	58	17
36945-R	16	13	13	43	15	2	56	17
36946	15	13	13	42	3	16	47	17
36947	16	13	12	40	15	17	44	16
36948	15	12	13	39	16	15	24	3
36949	15	12	12	38	15	16	35	2
36950	15	12	12	41	16	15	52	16
36951	15	12	44	40	16	17	49	17
36952	16	13	13	46	16	16	55	3
36953	16	12	13	47	2	17	56	18
36954	15	13	13	47	15	15	53	17
36955	16	13	13	45	16	17	60	18
36956	15	13	14	48	16	15	68	17
36957	15	13	14	44	16	16	57	17
36958	16	13	13	46	16	3	61	3
36959	15	14	13	45	16	17	50	3
36960	15	12	14	44	17	17	80	17
36960-R	15	13	13	44	3	17	103	17
36961	16	13	14	42	17	16	62	3
36962	14	13	13	43	3	2	8	3
36963	16	13	13	43	16	2	52	17
36964	15	13	13	33	16	17	48	16
36965	15	13	14	46	3	16	57	3
36966	17	13	14	57	17	16	35	2
36967	17	14	13	57	2	17	65	17
36968	15	13	13	48	15	16	59	17
36969	16	13	13	48	3	16	60	18
36970	16	13	13	52	16	2	69	16
36971	16	13	13	55	15	16	70	17
36972	16	14	13	43	16	17	52	16
36973	15	14	14	65	18	17	83	17
LMB-QA	15	12	14	38	2	16	46	17
LMB-QA	16	13	14	38	16	16	21	17

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Jim Kendall
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SOIL GAS HYDROCARBONS
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Activation Laboratories Ltd.
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. 155 - HPH .	. 156 - HBI .	. 157 - HAR .	. 158 - HBA .	. 159 - HBA .	. 160 - HBI .	. 161 - HA .	. 162 - HPH .