

APPENDIX A: Sample Information and Location

Table A1. Sample number, accession (archive) number, rock type, location and comments on sample processing.

Sample ID	Archive ID	Rock Type	Latitude	Longitude	Comments
<i>Smoking Hills</i>					
GQA 18-29	C-636867	Mudstone	69°27.020'	126°50.940'	Slightly weathered; required freeze-drying
GQA 18-30	C-636868	Mudstone	69°27.020'	126°50.940'	Slightly weathered; required freeze-drying
SUV 18-527	not assigned	Mudstone	69°13.933	126°59.691'	Slightly weathered; required freeze-drying
SUV 18-532	not assigned	Mudstone	69°31.917'	126°46.133	Slightly weathered; required freeze-drying
GTA 18-135	C-628911	Mudstone	69 27'52"	126 58'13"	Powdered sample, possibly organic-rich
GTA 18-135*	C-628911	Mudstone	69 27'52"	126 58'13"	Jarosite-rich layer
GTA 18-138	C-628914	Mudstone	69 27'52"	126 58'13"	Powdered sample, possibly organic-rich
GTA 18-138*	C-628914	Mudstone	69 27'52"	126 58'13"	Jarosite + bentonite-rich layer; required freeze-drying
GTA 18-141	C-628917	Mudstone	69 27'52"	126 58'13"	Powdered sample, possibly organic-rich
GTA 18-144	C-628920	Mudstone	69 27'52"	126 58'13"	Powdered sample, possibly organic-rich
GTA 18-147	C-628923	Mudstone	69 27'52"	126 58'13"	Powdered sample, possibly organic-rich
GTA 18-150	C-628926	Mudstone	69 27'52"	126 58'13"	Powdered sample, possibly organic-rich
GTA 18-153	C-628929	Mudstone	69 27'52"	126 58'13"	Powdered sample, possibly organic-rich
GTA 18-156	C-628932	Mudstone	69 27'52"	126 58'13"	Bentonite-rich layer; required freeze-drying
GTA 18-159	C-628935	Mudstone	69 27'52"	126 58'13"	Powdered sample, possibly organic-rich
GTA 18-162	C-628938	Mudstone	69 27'52"	126 58'13"	Powdered sample, possibly organic-rich
GTA 18-165	C-628941	Mudstone	69 27'52"	126 58'13"	Powdered sample, possibly organic-rich
GTA 18-168	C-628944	Mudstone	69 27'52"	126 58'13"	Powdered sample, possibly organic-rich
GTA 18-171	C-628947	Mudstone	69 27'52"	126 58'13"	Powdered sample, possibly organic-rich
GTA 18-174	C-628950	Mudstone	69 27'52"	126 58'13"	Powdered sample, possibly organic-rich
GTA 18-177	C-628953	Mudstone	69 27'52"	126 58'13"	Powdered sample, possibly organic-rich
GTA 18-180	C-628956	Mudstone	69 27'52"	126 58'13"	Powdered sample, possibly organic-rich
GTA 18-183	C-628959	Mudstone	69 27'52"	126 58'13"	Powdered sample, possibly organic-rich
GTA 18-183*	C-628959	Mudstone	69 27'52"	126 58'13"	Jaroiste-rich layer
GQA 18-7	C-636848	Klinker	69°27'58"	126°57'55"	Powdered sample, possibly organic-rich
GQA 18-8	C-636849	Klinker	69°33.867	126°54.650	Powdered sample, possibly organic-rich
GQA 18-9	C-636850	Klinker	69°33.867	126°54.650	Required freeze-drying
GQA 18-10	C-636851	Klinker	69°33.867	126°54.650	Powdered sample, possibly organic-rich
GQA 18-11	C-636852	Klinker	69°33.867	126°54.650	Powdered sample, possibly organic-rich

Table A1 continued

Sample ID	Archive ID	Rock Type	Latitude	Longitude	Comments
<i>Smoking Hills</i>					
GQA 18-12	C-636853	Klinker	69°33.867	126°54.650	Required freeze-drying
GQA 18-13	C-636854	Klinker	69°33.867	126°54.650	Powdered sample, possibly organic-rich
GQA 18-15	C-636856	Klinker	69°33.867	126°54.650	Required freeze-drying
GQA 18-16	C-636857	Klinker	69°33.867	126°54.650	Required freeze-drying
GQA 18-17	C-636858	Klinker	69°33.867	126°54.650	Required freeze-drying
GQA 18-18	C-636859	Klinker	69°33.867	126°54.650	Powdered sample, possibly organic-rich
GQA 18-19	C-636860	Klinker	69°33.867	126°54.650	Required freeze-drying
GQA 18-20	C-636861	Klinker	69°33.867	126°54.650	Required freeze-drying
GQA 18-21	C-636862	Klinker	69°46.567'	126°44.567'	Required freeze-drying
GQA 18-23	C-636863	Klinker	69°35.223'	126°29.574'	Required freeze-drying
GQA 18-24	C-636864	Klinker	69°35.223'	126°29.574'	Required freeze-drying
GQA 18-25	C-636865	Klinker	69°35.230'	126°29.491'	Required freeze-drying
Klinker 1	not assigned	Klinker	69°27.020'	126°50.940'	Powdered sample, possibly organic-rich
Klinker 2	not assigned	Klinker	69°27.020'	126°50.940'	Required freeze-drying
GQA 18-01A	C-638877	Bocanne	69°49.129'	126°46.321'	Preserved in mineral oil
GQA 18-01B	C-638878	Bocanne	69°49.129'	126°46.321'	Preserved in mineral oil
GQA 18-01C	C-638879	Bocanne	69°49.129'	126°46.321'	Preserved in mineral oil
GQA 18-01D	C-638880	Bocanne	69°49.129'	126°46.321'	Preserved in mineral oil
GQA 18-01E	C-638881	Bocanne	69°49.129'	126°46.321'	Preserved in mineral oil
GQA 18-02A	C-638883	Bocanne	69°46.400'	126°44.367'	Preserved in mineral oil
GQA 18-02B	C-638884	Bocanne	69°46.400'	126°44.367'	Preserved in mineral oil
GQA 18-02C	C-638885	Bocanne	69°46.400'	126°44.367'	Preserved in mineral oil
GQA 18-02D	C-638886	Bocanne	69°46.400'	126°44.367'	Preserved in mineral oil
GQA 18-04A	C-638889	Bocanne	69°27.207"	126°54.092'	Preserved in mineral oil
GQA 18-04B	C-638890	Bocanne	69°27.207"	126°54.092'	Preserved in mineral oil
GQA 18-04C	C-638891	Bocanne	69°27.207"	126°54.092'	Preserved in mineral oil
GQA 18-04D	C-638892	Bocanne	69°27.207"	126°54.092'	Preserved in mineral oil
GQA 18-04E	C-638893	Bocanne	69°27.207"	126°54.092'	Preserved in mineral oil
GQA 18-04F	C-638894	Bocanne	69°27.207"	126°54.092'	Preserved in mineral oil
GQA 18-04G	C-638895	Bocanne	69°27.207"	126°54.092'	Preserved in mineral oil
GQA 18-04H	C-638896	Bocanne	69°27.207"	126°54.092'	Preserved in mineral oil

Table A1 continued

Sample ID	Archive ID	Rock Type	Latitude	Longitude	Comments
<i>Smoking Hills</i>					
GQA 18-22A	C-638899	Bocanne	69°35.223'	126°29.574'	Preserved in mineral oil
GQA 18-22B	C-638900	Bocanne	69°35.223'	126°29.574'	Preserved in mineral oil
GQA 18-22C	C-638901	Bocanne	69°35.223'	126°29.574'	Preserved in mineral oil
GQA 18-22D	C-638902	Bocanne	69°35.223'	126°29.574'	Preserved in mineral oil
<i>Mason River Formation</i>					
GTA 18-194	C-628970	Mudstone	69 28'46"	126 59'20"	Powdered sample, possibly organic-rich
GTA 18-201	C-628977	Mudstone	70 28'46"	127 59'20"	Powdered sample, possibly organic-rich
GTA 18-210	C-628986	Mudstone	71 28'46"	128 59'20"	Powdered sample, possibly organic-rich
GTA 18-218	C-628994	Mudstone	72 28'46"	129 59'20"	Powdered sample, possibly organic-rich
GTA 18-226	C-629002	Mudstone	73 28'46"	130 59'20"	Powdered sample, possibly organic-rich
GTA 18-234	C-629010	Mudstone	74 28'46"	131 59'20"	Powdered sample, possibly organic-rich
GTA 18-242	C-629018	Mudstone	75 28'46"	132 59'20"	Powdered sample, possibly organic-rich
GTA 18-250	C-629026	Mudstone	76 28'46"	133 59'20"	Powdered sample, possibly organic-rich
GTA 18-258	C-629034	Mudstone	77 28'46"	134 59'20"	Powdered sample, possibly organic-rich
GTA 18-266	C-629042	Mudstone	78 28'46"	135 59'20"	Powdered sample, possibly organic-rich
GTA 18-274	C-629050	Mudstone	79 28'46"	136 59'20"	Powdered sample, possibly organic-rich
<i>Miscellaneous</i>					
Kus A	not assigned	Mudstone	69 27'52"	126 58'13"	Powdered sample, possibly organic-rich
Kus B	not assigned	Mudstone	69 27'52"	126 58'13"	Powdered sample, possibly organic-rich
Kus C	not assigned	Mudstone	69 27'52"	126 58'13"	Powdered sample, possibly organic-rich
Kus D	not assigned	Mudstone	69 27'52"	126 58'13"	Powdered sample, possibly organic-rich
Concretion	not assigned	Mudstone	69°11.894'	127°01.458'	Powdered sample, possibly organic-rich

