

Environmental Radioactivity and Radiation
Database
API Reference
[Rev.01]



Revision History

Date	Rev.	Reason for Change / Details of Change
June 2025	01	New Creation

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1 API Reference

The Environmental Radioactivity and Radiation Database provides API-based data search functionality.

The Environmental Radioactivity and Radiation Database API provides access to the results of environmental radiation surveys conducted by the Nuclear Regulation Authority in cooperation with relevant ministries and agencies, all 47 prefectures, and other entities.

1.1 CSV Output API

Download a CSV file according to the specified query parameters.

API path	/ext/db/ja/csv /ext/db/en/csv
Query parameter	Available (see below)
method	GET
content-type	text/csv
status	200 series: Normal response 400 series: AP path invalid, query parameter check error, etc. 500 series: System error (e.g., DB failure)

■ API query parameters

yearMonthFrom	Start date of survey. Required. ISO 8601 format (yyyy-MM).
yearMonthTo	End date of survey. Required. ISO 8601 format (yyyy-MM).
prefcds	Prefecture code (multiple values allowed). Required.
unspecifiedPref	Search specification for non-designated prefectures (true/false). If not specified, treated as false.
sampletypecds	Sample Type Code (cannot be combined with SCN) Required. Multiple entries allowed. Mutually exclusive with SCN. Example) When specifying the S sample type code, the CN sample type code cannot be included.
elementcds	Nuclide code (multiple values allowed). Required (monitoring post and N are not required).
surveycds	Public survey code. Optional. Multiple entries allowed.

■ HTTP Request example

Survey Date=2021-04~2025-03、Prefecture Code=07:Fukushima、Sample Type Code=01:Airborne dust particles、Nuclide code=553:Cs-137and 382:Sr-90

```
GET /erdb-pub/api/ext/db/ja/csv?yearMonthFrom=2021-04&yearMonthTo=2025-03&prefcds=07&unspecifiedPref=false&sampletypecds=01&elementcds=553&elementcds=382
```

Example (English version):

```
GET /erdb-pub/api/ext/db/en/csv?yearMonthFrom=2021-04&yearMonthTo=2025-03&prefcds=07&unspecifiedPref=false&sampletypecds=01&elementcds=553&elementcds=382
```

■ Example usage with the cURL command included by default in Windows and Linux

```
curl -o "xxx.csv" "https://www.envraddb.go.jp/erdb-pub/api/ext/db/ja/csv?yearMonthFrom=2021-04&yearMonthTo=2025-03&prefcds=07&unspecifiedPref=false&sampletypecds=01&elementcds=553&elementcds=382"
```

※Executing the above command will output a CSV file (xxx.csv) to the current directory at the time of command execution.

※We recommend executing this using PowerShell on Windows and bash on Linux.

■ Sort order

Environmental Sample Analysis	Prefecture code, Location code, Sample type code, Sample code, Reference date, Nuclide code, Unit of public reporting value, Analysis number
Continuous measurement	Prefecture code, Location code, Sample type code, Sample code, Reference date, Nuclide code, Unit of public reporting value, Measurement number
Non-continuous measurement	Prefecture code, Location code, Sample type code, Sample code, Reference date, Unit of public reporting value, Measurement number

■ CSV Specifications

File name	Environmental Sample Analysis: Radioactivity.csv Continuous measurement, Non-continuous measurement: Radiation.csv
Character encoding	SJIS
Delimiter character	Comma
Line break code	CRLF
Header row	Yes. Output item name (ja/en)
Escape	AUTO(Enclose data containing delimiter characters or line breaks in double quotation marks.)

■ Output Items (Environmental Sample Analysis)

Item ID	Item Name (ja)	Item Name (en)
reportname	報告書名	Report name
surveyname	調査名	Survey name
replabname	報告書発行機関名	Report Issuing laboratory
samlabname	試料採取機関名	Name of sampling organization
samplotypename	試料名(大分類)	Sample name (category)
samplename	試料名(中分類)	Sample name (subcategory)
lcsamplename	試料名	※Do not output There is no English Item Name for the listed sample name.
lifename	生物名	Organism name
foodname	食品名	Food name
sectionname	部位名	Body Part
samplesdate	試料採取開始日	Sampling start date
sampleedate	試料採取終了日	Sampling end date
sampleyear	試料採取年度	Sampling Fiscal Year
samplequarter	試料採取四半期	Sampling quarter
sampleyear	試料採取年	Sampling Year
samplemonth	試料採取月	Sampling Month
sampleprefcd	都道府県コード	Prefecture code
sampleprefname	都道府県名	Prefecture name
samplepointcd	試料採取地点コード	Sampling location code
samplepointname	試料採取地点名	Sampling location name
wsname	艦船名	Ship name
enterdate	入港年月日	Date of arrival
exitdate	出港年月日	Date of departure

inportname	入港場所	Arriving position
wspointname	入港採取地点	Collection location (detail)
samplingname	試料採取法	Sampling method
samplearea	試料採取面積	Sampled area
sampleareautname	試料採取面積単位	Unit of sampled area
samplelayer1	試料採取層(開始)	Sampled layer (start)
samplelayer2	試料採取層(終了)	Sampled layer (end)
samplelayerutname	試料採取層単位	Unit of sampled layer
samplevol1	試料採取量	Sampling volume
samplevol1utname	試料採取量単位	Sampling volume unit
samplevol2	降水量	Precipitation amount
samplevol2utname	降水量単位	Unit of precipitation amount
analabname	分析機関名	Name of analysis institution
calcium	Ca 濃度	Calcium concentration
calciumutname	Ca 濃度単位	Calcium concentration unit
pottassium	K 濃度	Potassium concentration
pottassiumutname	K 濃度単位	Potassium concentration unit
pretreatvol	前処理量	Pre-treatment amount
pretreatvolutname	前処理量単位	Pre-treatment amount unit
measureweight	分析供試量	Analytical sample amount
measureweightutname	分析供試量単位	Analytical sample amount unit
pretreatname	前処理法	Pre-treatment method
chemseparname	化学分離法	Chemical separation method
instrumentname	測定器	Measurement equipment
measuresdate	測定開始日	Measurement start date
elementname	核種名	Nuclide name
repaactivity	放射能濃度	Radioactivity concentration
repaactivityerr	放射能濃度誤差	Error of radioactivity concentration
repuncertainty	不確かさ	Uncertainty
reppld	検出下限値	Detection limit
repaactivityutname	放射能濃度単位	Unit of radioactivity concentration

■ Output Items (Continuous Measurement)

Item ID	Item Name (ja)	Item Name (en)
reportname	報告書名	Report name
surveyname	調査名	Survey name
replabname	報告書発行機関名	Report Issuing laboratory
measurelabname	測定機関名	Name of measuring organization
sampletypename	試料名(大分類)	Sample name (category)
samplename	試料名(中分類)	Sample name (subcategory)
lcsamplename	試料名	※Do not output There is no English Item Name for the listed sample name.
measureprefcd	都道府県コード	Prefecture code
measureprefname	都道府県名	Prefecture name
measurepointcd	測定地点コード	Sampling location code
measurepointname	測定地点名	Sampling location name
instrumentname	測定器	Measurement equipment
cosmicrayfg	宇宙線含除	Cosmic rays included/excluded
height	測定高さ	Measurement height
heightutname	測定高さ単位	Unit of measurement height
elementname	核種名	Nuclide name

measuresdate	測定開始日	Measurement start date
measureedate	測定終了日	Measurement end date
measureyear	測定年度	Measurement fiscal year
measurequarter	測定四半期	Measurement quarter
measurepyear	測定年	Measurement year
measuremonth	測定月	Measurement month
reactivitymax	測定値最大	Maximum measurement value
reactivitymin	測定値最小	Minimum measurement value
reactivityavg	測定値平均	Average measurement value
repuncertainty	不確かさ	Uncertainty
replld	検出下限値	Detection limit
reactivityutname	測定値単位	Unit of measurement value

■ Output Items (Non-continuous Measurement)

Item ID	Item Name (ja)	Item Name (en)
reportname	報告書名	Report name
surveyname	調査名	Survey name
replabname	報告書発行機関名	Report Issuing laboratory
measurelabname	測定機関名	Name of measuring organization
sampltypename	試料名(大分類)	Sample name (category)
samplename	試料名(中分類)	Sample name (subcategory)
lcsamplename	試料名	※Do not output There is no English Item Name for the listed sample name.
measuresdate	測定開始日	Measurement start date
measureedate	測定終了日	Measurement end date
measureyear	測定年度	Measurement fiscal year
measurequarter	測定四半期	Measurement quarter
measurepyear	測定年	Measurement year
measuremonth	測定月	Measurement month
measurelength	測定期間	Measurement period
measurelengthutname	測定期間単位	Unit of measurement period
measureprefcd	都道府県コード	Prefecture code
measureprefname	都道府県名	Prefecture name
measurepointcd	測定地点コード	Sampling location code
measurepointname	測定地点名	Sampling location name
measurepointno	測定ポイント	Measurement point
instrumentname	測定器	Measurement equipment
cosmicrayfg	宇宙線含除	Cosmic rays included/excluded
reactivitymax	測定値最大	Maximum measurement value
reactivitymin	測定値最小	Minimum measurement value
reactivity	測定値	Measurement value
reactivityerr	測定値誤差	Error of Measurement value
repuncertainty	不確かさ	Uncertainty
reactivityutname	測定値単位	Unit of measurement value

1.2 Appendix: Prefecture Codes for Search Conditions

Prefecture Code	Prefecture name
01	Hokkaido
02	Aomori
03	Iwate
04	Miyagi
05	Akita
06	Yamagata
07	Fukushima
08	Ibaraki
09	Tochigi
10	Gunma
11	Saitama
12	Chiba
13	Tokyo
14	Kanagawa
15	Niigata
16	Toyama
17	Ishikawa
18	Fukui
19	Yamanashi
20	Nagano
21	Gifu
22	Shizuoka
23	Aichi
24	Mie
25	Shiga
26	Kyoto
27	Osaka
28	Hyogo
29	Nara
30	Wakayama
31	Tottori
32	Shimane
33	Okayama
34	Hiroshima
35	Yamaguchi
36	Tokushima
37	Kagawa
38	Ehime
39	Kochi
40	Fukuoka
41	Saga
42	Nagasaki
43	Kumamoto
44	Oita
45	Miyazaki
46	Kagoshima
47	Okinawa

1.3 Appendix: Sample Type Codes for Search Conditions

■ Environmental Sample Analysis

Sample Type Code	Sample Type Name
01	Airborne Dust, Atmosphere
02	Fallout
03	Precipitation
04	Landwater
05	Soil
06	Sediment
07	Agricultural and Forestry Products
08	Milk
09	Seawater
10	Aquatic Products
12	Food
13	Daily Diet
14	Living Organisms
15	Specific Products, etc.

■ Continuous measurement

Sample Type Code	Sample Type Name
20	Airborne Dust (Continuous Monitoring)
22	Monitoring Post

■ Non-continuous measurement

Sample Type Code	Sample Type Name
21	Cumulative dose
23	Survey meter
24	Neutron dose rate

1.4 Appendix: Nuclide Codes for Search Conditions

Nuclide code	Nuclide Name
001	GA
002	GB
003	GB(6-hour value)
010	H
011	H-3
020	He
030	Li
040	Be
041	Be-7
050	B
060	C
061	C-14
070	N
080	O
090	F
100	Ne
110	Na
111	Na-22
112	Na-24
120	Mg
130	Al
140	Si
150	P
160	S
170	Cl
180	Ar
190	K
191	K-40
200	Ca
210	Sc
220	Ti
230	V
240	Cr
241	Cr-51
250	Mn
251	Mn-54
252	Mn-56
260	Fe
261	Fe-55
262	Fe-59
270	Co
271	Co-58
272	Co-60
280	Ni
290	Cu
300	Zn
301	Zn-65
310	Ga
320	Ge

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330	As
340	Se
350	Br
360	Kr
361	Kr-85
370	Rb
380	Sr
381	Sr-89
382	Sr-90
383	Sr-91
384	Sr-89+90
385	Sr-Unit
386	Sr-88
390	Y
391	Y-88
392	Y-93
393	Y-91
400	Zr
401	Zr-95
402	Zr-97
403	Zr-95+Nb-95
410	Nb
411	Nb-95
412	Nb-97
420	Mo
421	Mo-99
430	Tc
431	Tc-99m
432	Tc-99
440	Ru
441	Ru-103
442	Ru-106
443	Ru-103+106
450	Rh
451	Rh-105
460	Pd
470	Ag
471	Ag-108m
472	Ag-110m
480	Cd
481	Cd-109
490	In
500	Sn
501	Sn-113
510	Sb
511	Sb-125
512	Sb-127
513	Sb-124
514	Sb-128
520	Te
521	Te-129m
522	Te-132

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523	Te-129
524	Te-121
530	I
531	I-131
532	I-132
533	I-133
534	I-129
535	I-135
536	I-127
540	Xe
541	Xe-133
542	Xe-131
543	Xe-133m
544	Xe-131m
545	Xe-135
550	Cs
551	Cs-134
552	Cs-136
553	Cs-137
554	Cs-Unit
555	Cs-138
556	Cs-133
557	Radioactive cesium
558	Cs-134+137
560	Ba
561	Ba-140
562	Ba-133
570	La
571	La-140
580	Ce
581	Ce-141
582	Ce-143
583	Ce-144
584	Ce-141+144
590	Pr
600	Nd
601	Nd-147
610	Pm
611	Pm-149
612	Pm-151
620	Sm
630	Eu
631	Eu-152
633	Eu-154
640	Gd
650	Tb
660	Dy
670	Ho
680	Er
690	Tm
700	Yb
710	Lu

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720	Hf
730	Ta
740	W
750	Re
760	Os
770	Ir
780	Pt
790	Au
800	Hg
810	Tl
811	Tl-208
812	Tl-212
820	Pb
821	Pb-212
822	Pb-214
823	Pb-210
824	Pb-211
830	Bi
831	Bi-207
832	Bi-212
833	Bi-214
840	Po
841	Po-210
850	At
860	Rn
861	Rn-222
862	Rn-226
863	Tn type
864	Rn type
865	Rn-219
870	Fr
880	Ra
881	Ra-224
882	Ra-226
883	Ra-223
890	Ac
891	Ac-228
900	Th
901	Th-228
902	Th-230
903	Th-232
904	Th series
905	Th-231
906	Th-234
910	Pa
911	Pa-234m
920	U
921	U-234
922	U-235
923	U-237
924	U-238
925	U series

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930	Np
931	Np-239
940	Pu
941	Pu-238
942	Pu-239
943	Pu-239+240
944	Pu-238+239+240
945	Pu-241
946	Pu-240
960	Am
961	Am-241
970	Cm
971	Cm-244
972	Cm-242
973	Cm-243+244

1.5 Appendix: Public Survey Codes for Search Conditions

Public Survey Code	Survey Name
11	Radioactivity Measurement Survey (Radioactivity Level Survey)
13	Radioactivity Survey (Japan Coast Guard)
14	Radioactivity Survey (Ministry of Agriculture, Forestry and Fisheries)
15	Radioactivity Survey (Japan Meteorological Agency)
16	Radioactivity Survey (Ministry of Defense)
21	Nuclear-Powered Vessel Radioactivity Survey (Regular Survey)
22	Nuclear-Powered Vessel Radioactivity Survey (Departure and Post-Departure Survey)
30	Environmental Radiation Monitoring Survey Around Nuclear Facilities
41	Marine Radioactivity Survey
42	Radioactivity Level Survey of Food Samples
47	Radioactivity Survey (Ministry of Health, Labour and Welfare)
48	Radon Concentration Measurement Survey
71	Kumejima Environmental Survey