

令和6年度地下水の水質測定結果について

1 内 容

水質汚濁防止法第15条の規定により、地下水の水質の汚濁の状況を把握するため、岡山市及び倉敷市と協力して、測定を実施した。

(1) 対象項目

地下水の水質汚濁に係る環境基準が定められている環境基準項目(カドミウム等28項目)及び要監視項目(クロロホルム等25項目)

(2) 測定方法

表1のとおり、県内31地点において概況調査を行うとともに、過去にトリクロロエチレン等による汚染が確認された4地点で継続監視調査を行った。測定項目及び頻度については、表2のとおりである。

表1 測定地点の内訳

区 分	県	岡山市	倉敷市	計
概 況 調 査	19	6	6	31
継続監視調査	2	1	1	4
合 計	21	7	7	35

表2 測定項目及び頻度

区 分	測定項目	測定頻度
概 況 調 査	環境基準項目及び要監視項目	年1回
継続監視調査	過去に超過した環境基準項目（関連する環境基準項目を含む。）	年1～2回

2 結 果

(1) 概況調査

31地点のうち1地点で環境基準を超過した。超過地点及び超過項目については表3のとおりである。

表3 環境基準超過地点及び超過項目

超過地点	超過項目
倉敷市中帯江	ふっ素及びその化合物

(2) 継続監視調査

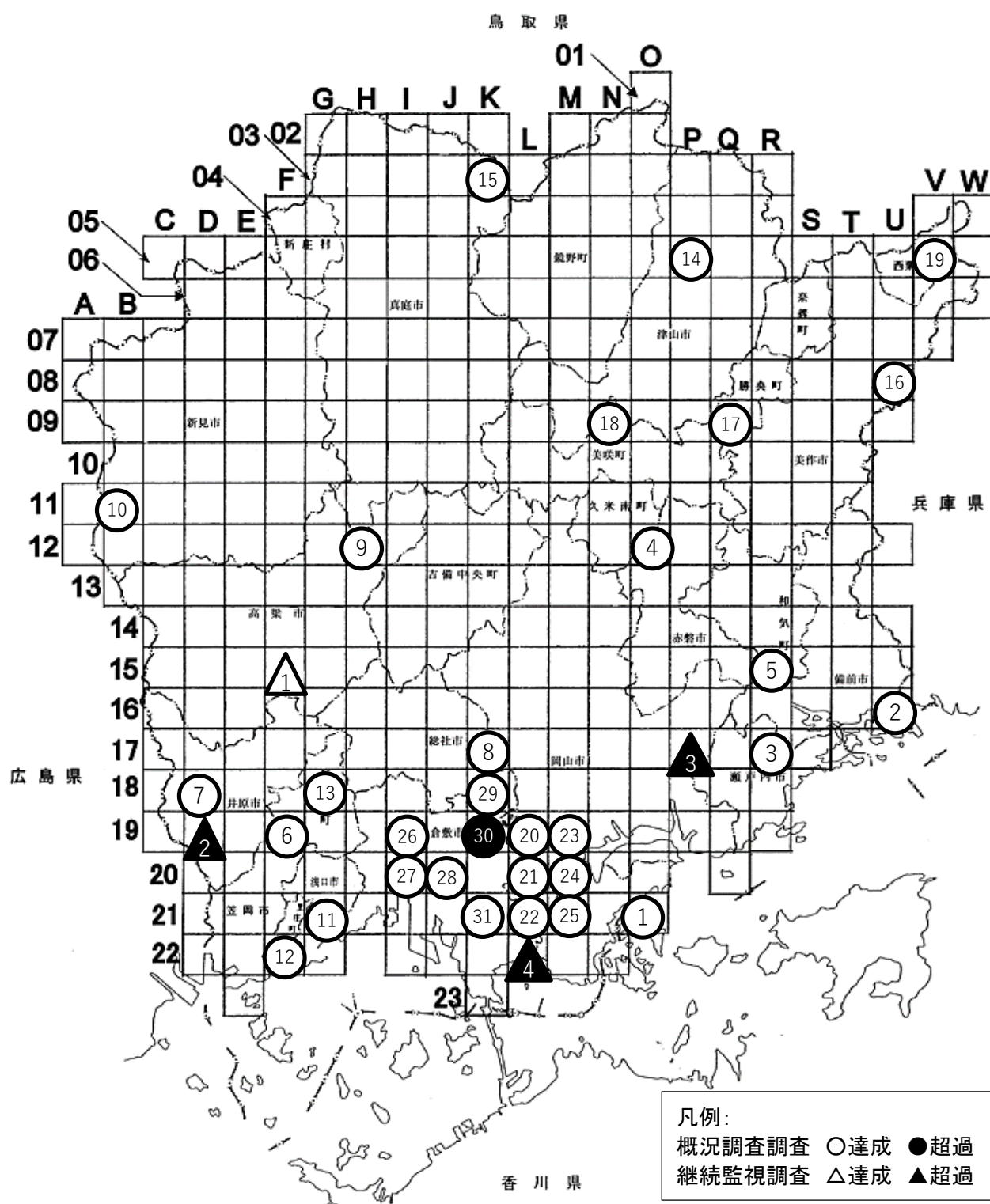
4地点のうち3地点で、依然として調査対象物質が環境基準を超過していた。

3 今後の対応

概況調査で環境基準を超過した地点は、自然由来と判断されることから調査を終了する。

継続監視調査を行った4地点は、引き続き調査を継続する。

地下水環境基準達成状況図



地下水測定項目

環境基準項目	環境基準で定めている人の健康の保護に係る項目
カドミウム、全シアン、鉛、六価クロム、ヒ素、総水銀、アルキル水銀、ポリ塩化ビフェニル、ジクロロメタン、四塩化炭素、クロロエチレン（塩化ビニルモノマー）、1,2-ジクロロエタン、1,1-ジクロロエチレン、1,2-ジクロロエチレン、1,1,1-トリクロロエタン、1,1,2-トリクロロエタン、トリクロロエチレン、テトラクロロエチレン、1,3-ジクロロプロペン、チウラム、シマジン、チオベンカルブ、ベンゼン、セレン、硝酸性窒素及び亜硝酸性窒素、フッ素、ほう素、1,4-ジオキサン（以上28項目）	

要監視項目	人の健康の保護に関連する物質ではあるが、現時点では直ちに環境基準項目とせず引き続き知見の集積に努めるべき項目
クロロホルム、1,2-ジクロロプロパン、p-ジクロロベンゼン、イソキサチオン、ダイアジノン、フェニトロチオン、イソプロチオラン、オキシシン銅、クロロタロニル、プロピザミド、o-エチル-o-4-ニトロフェニル=フェニルホスホノチオアート、ジクロロボス、フェノブカルブ、イプロベンホス、クロルニトロフェン、トルエン、キシレン、フタル酸ジエチルヘキシル、ニッケル、モリブデン、アンチモン、エピクロロヒドリン、全マンガン、ウラン、ペルフルオロオクタンスルホン酸及びペルフルオロオクタン酸（以上25項目）	

概況調査の測定結果

(単位:mg/L)

番号	メッシュ番号	所在地	用途	環境基準項目																								要監視項目	測定機関					
				カドミウム	全シアン	鉛	六価クロム	ヒ素	総水銀	アルキル水銀	P C B	ジクロロメタン	四塩化炭素	クロロエチレン (塩化ビニルモノマー)	1,2-ジクロロエタン	1,1-ジクロロエチレン	1,1,1-トリクロロエタン	1,1,2-トリクロロエタン	トリクロロエチレン	テトラクロロエチレン	1,3-ジクロロプロベン	チウラム	シマジン	チオベンカルブ	ベンゼン	セレン	硝酸性窒素及び亜硝酸性窒素			ふっ素	ほう素	1,4-ジオキサン		
				環境基準	0.003	N.D.	0.01	0.02	0.01	0.0005	N.D.	N.D.	0.02	0.002	0.002	0.004	0.1	0.04	1	0.006	0.01	0.01	0.002	0.006	0.003	0.02	0.01			0.01	10	0.8	1	0.05
				報告下限	0.0003	0.1	0.005	0.01	0.005	0.0005	0.0005	0.0005	0.002	0.0002	0.0002	0.0004	0.002	0.004	0.0005	0.0006	0.001	0.0005	0.0002	0.0006	0.0003	0.002	0.001			0.002	0.03	0.08	0.03	0.005
1	O-21	玉野市沼	生活用水	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1.9	0.38	0.35	N.D.		岡山県			
2	U-16	備前市日生町寒河	生活用水	N.D.	N.D.	N.D.	N.D.	0.006	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.81	0.31	0.03	N.D.		〃			
3	R-17	瀬戸内市長船町磯上	生活用水	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2.9	0.17	0.03	N.D.	超過項目なし	〃			
4	O-12	赤磐市中勢実	一般飲用	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.73	N.D.	N.D.	N.D.		〃			
5	R-15	和気町大中山	生活用水	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.05	0.08	N.D.	N.D.		〃			
6	F-19	笠岡市走出	生活用水	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2.0	N.D.	N.D.	N.D.		〃			
7	D-18	井原市芳井町吉井	生活用水	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	4.9	N.D.	0.25	N.D.		〃			
8	K-17	総社市赤浜	使用無	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.09	0.08	N.D.	N.D.		〃			
9	H-12	高梁市有漢町有漢	生活用水	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1.8	0.14	N.D.	N.D.		〃			
10	B-11	新見市哲西町矢田	生活用水	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.90	N.D.	N.D.	N.D.		〃			
11	G-21	浅口市鴨方町六条院東	生活用水	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1.1	N.D.	N.D.	N.D.		〃			
12	F-22	里庄町大字新庄	一般飲用	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1.8	N.D.	N.D.	N.D.		〃			
13	G-18	矢掛町矢掛	生活用水	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2.5	0.20	0.35	N.D.		〃			
14	P-05	津山市加茂町宇野	一般飲用	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.49	0.08	N.D.	N.D.		〃			
15	K-03	真庭市蒜山下和	一般飲用	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1.0	N.D.	N.D.	N.D.		〃			
16	U-08	美作市宮原	生活用水	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.13	N.D.	N.D.	N.D.		〃			
17	Q-09	勝央町為本	生活用水	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.03	0.15	0.19	N.D.		〃			
18	N-09	美咲町打穴下	一般飲用	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2.1	0.14	N.D.	N.D.	超過項目なし	〃			
19	V-05	西粟倉村大茅	生活用水	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.26	N.D.	N.D.	N.D.		〃			

(注) N.D.は報告下限値未満であることを示す。環境基準を超えている検体値は太字(太枠・着色)で示す。

概況調査の測定結果

(単位:mg/L)

番号	メッシュ番号	調査地点	用途	環境基準項目																							要監視項目	測定機関						
				カドミウム	全シアン	鉛	六価クロム	ヒ素	総水銀	アルキル水銀	PCB	ジクロロメタン	四塩化炭素	クロロエチレン (塩化ビニルモノマー)	1,2-ジクロロエタン	1,1-ジクロロエチレン	1,2-ジクロロエチレン	1,1-トリクロロエタン	1,1,2-トリクロロエタン	トリクロロエチレン	テトラクロロエチレン	1,3-ジクロロプロベン	チウラム	シマジン	チオベンカルブ	ベンゼン			セレン	硝酸性窒素及び亜硝酸性窒素	ふっ素	ほう素	1,4-ジオキサン	
				環境基準	0.003	N.D.	0.01	0.02	0.01	0.0005	N.D.	N.D.	0.02	0.002	0.002	0.004	0.1	0.04	1	0.006	0.01	0.01	0.002	0.006	0.003	0.02			0.01	0.01	10	0.8	1	0.05
				報告下限	0.0003	0.1	0.005	0.01	0.005	0.0005	0.0005	0.0005	0.002	0.0002	0.0002	0.0004	0.002	0.004	0.0005	0.0006	0.001	0.0005	0.0002	0.0006	0.0003	0.002			0.001	0.002	0.03	0.08	0.03	0.005
20	L-19	岡山市南区箕島	生活用水	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	3.5	N.D.	N.D.	N.D.		岡山市		
21	L-20	岡山市南区川張	生活用水	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2.0	N.D.	N.D.	N.D.		〃		
22	L-21	岡山市南区灘崎町片岡	生活用水	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	4.2	0.16	N.D.	N.D.		〃		
23	M-19	岡山市南区東畦	生活用水	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1.0	N.D.	N.D.	N.D.		〃		
24	M-20	岡山市南区灘崎町西高崎	生活用水	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.72	N.D.	N.D.	N.D.		〃		
25	M-21	岡山市南区迫川	生活用水	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1.4	0.09	N.D.	N.D.		〃		
26	I-19	倉敷市船穂町船穂	生活用水	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	8.5	N.D.	N.D.	N.D.		倉敷市		
27	I-20	倉敷市玉島長尾	生活用水	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5.8	0.11	0.06	N.D.		〃		
28	J-20	倉敷市連島町矢柄	生活用水	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.65	N.D.	N.D.	N.D.		〃		
29	K-18	倉敷市二子	一般飲用	N.D.	N.D.	0.007	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.		〃		
30	K-19	倉敷市中帯江	生活用水	0.0005	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.60	0.87	N.D.	N.D.		〃		
31	K-21	倉敷市林	生活用水	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.53	N.D.	N.D.	N.D.		〃		

(注) N.D.は報告下限値未満であることを示す。 環境基準を超えている検体値は太字(太枠・着色)で示す。

継続監視調査の測定結果

(単位:mg/L)

番号	メッシュ番号	調査地点	用途	環境基準項目																										要監視項目	測定機関			
				カドミウム	全シアン	鉛	六価クロム	ヒ素	総水銀	アルキル水銀	PCB	ジクロロメタン	四塩化炭素 (塩化ビニルモノマー)	1,2-ジクロロエタン	1,1-ジクロロエチレン	1,2-ジクロロエチレン	1,1,1-トリクロロエタン	1,1,2-トリクロロエタン	トリクロロエチレン	テトラクロロエチレン	1,3-ジクロロプロペン	チウラム	シマジン	チオベンカルブ	ベンゼン	セレン	硝酸性窒素及び亜硝酸性窒素	ふっ素	ほう素			1,4-ジオキサン		
				環境基準	0.003	N.D.	0.01	0.02	0.01	0.0005	N.D.	N.D.	0.02	0.002	0.002	0.04	0.1	0.04	1	0.006	0.01	0.01	0.002	0.006	0.003	0.02	0.01	0.01	10			0.8	1	0.05
				報告下限	0.0003	0.1	0.005	0.01	0.005	0.0005	0.0005	0.0005	0.002	0.0002	0.0002	0.0004	0.002	0.004	0.0005	0.0006	0.001	0.0005	0.0002	0.0006	0.0003	0.002	0.001	0.002	0.03			0.08	0.03	0.005
1	F-15	高梁市成羽町成羽	生活用水										N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.001	N.D.	N.D.				N.D.							岡山県		
2	D-19	井原市高屋町	生活用水											N.D.		N.D.	0.004			0.017												〃		
3	P-17	岡山市東区竹原	生活用水												N.D.	0.014	N.D.	N.D.	N.D.	N.D.												岡山市		
4	L-22	倉敷市児島唐琴	生活用水										N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.015	N.D.					N.D.							倉敷市		

(注) N.D.は報告下限値未満であることを示す。 環境基準を超えている検体値は太字(太枠・着色)で示す。