

神奈川県平塚市における地下水モニタリング(平成 28 年冬季～秋季) の結果及び次年度の方針について

1. 地下水モニタリングの概要

神奈川県平塚市においては、平成 16 年に A 事案区域である旧相模海軍工廠化学実験部跡地近傍の井戸水から有機ヒ素化合物が検出されたことを受け、要調査地域を設定し、地下水の飲用自粛を呼びかけるとともに、当該地域において、有機ヒ素化合物が検出された井戸を中心として、地下水モニタリングを実施している。

同地域における要調査地域の範囲については、平成 23 年度に見直しを実施しており、平成 24 年度以降、現在の要調査地域内及びその外縁部周辺の計 19 箇所で地下水モニタリングを実施している。

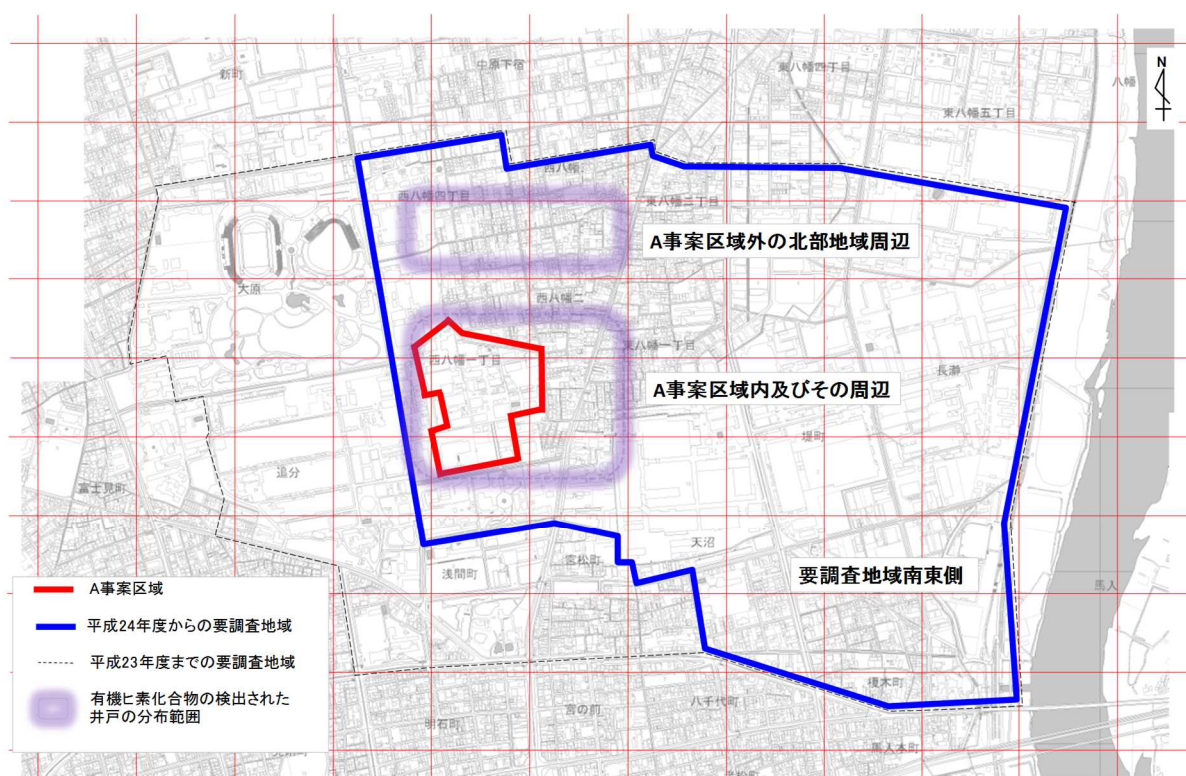


図 1 平塚地区における要調査地域範囲及び外縁部周辺位置関係

2. 要調査地域における地下水の流れ及び地下水モニタリング結果について

平成 16 年以降、要調査地域における地下水の流れの方向に大きな変化はなく、地下水は西北西から東南東に向かって流れている。また、有機ヒ素化合物の検出された井戸の分布範囲は、A 事案区域内から東方向に広がる範囲（A 事案区域内及びその周辺）と A 事案区域外の北部地域から東南東方向に広がる範囲（A 事案区域外の北部地域周辺）の二つに広がっている（図 1 参照）。

平成 28 年冬季～秋季は、A 事案区域内及びその周辺で 4 箇所、A 事案区域外の北部地域周辺で 6 箇所、要調査地域南東側で 1 箇所、要調査地域外縁部周辺で 8 箇所のモニタリング井戸（合計 19 箇所）において地下水モニタリングを実施した。その結果、有機ヒ素化合物のうち、DPAA（ジフェニルアルシン酸）は 2 箇所の井戸で、PAA（フェニルアルソン酸）及び PMAA（フェニルメチルアルシン酸）は 8 箇所の井戸で検出されているが、いずれも全有機ヒ素化合物としては 0.001～0.06mg-As/L と低濃度の汚染であり、濃度上昇は認められない。なお、要調査地域外縁部周辺では有機ヒ素化合物は検出されていない。

(1) 地下水の流れ

平成 28 年冬季～秋季の地下水位標高は、要調査地域の北西部では約 5.4～5.7m、東部では約 2.2～2.5m であった。地表面から地下水面までの深さは、A 事案区域内及び A 事案区域外の北部地域のいずれも、概ね 2.6～6.1m 程度であった。地下水位は降雨による変動はあるものの、変動幅は小さく、高水位時期と低水位時期との水位差は概ね 1m 程度である。

(図 2-1、図 2-2、図 2-3、図 2-4 参照)

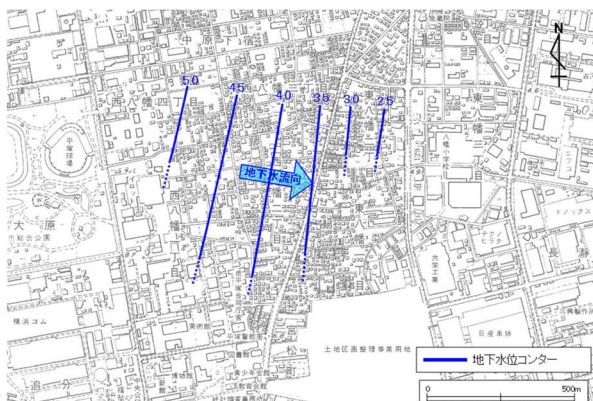


図 2-1 地下水の流れと地下水位等高線
冬季：平成 28 年 2 月測定
(地下水位等高線の単位：標高 m)



図 2-2 地下水の流れと地下水位等高線
春季：平成 28 年 5 月測定
(地下水位等高線の単位：標高 m)



図 2-3 地下水の流れと地下水位等高線
夏季：平成 28 年 8 月測定
(地下水位等高線の単位：標高 m)

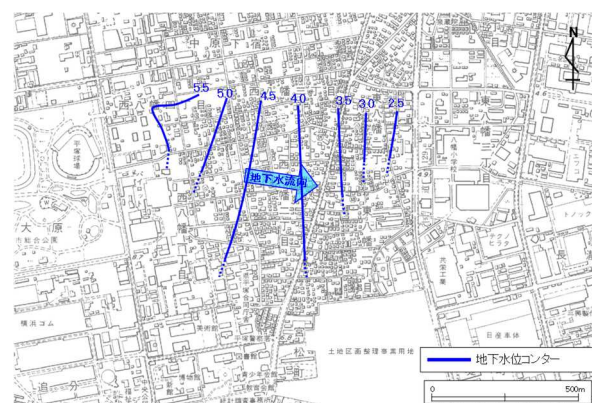


図 2-4 地下水の流れと地下水位等高線
秋季：平成 28 年 11 月測定
(地下水位等高線の単位：標高 m)

(2) 有機ヒ素化合物の分析結果

ア A事案区域内及びその周辺

本区域内で平成 16 年以降有機ヒ素化合物の濃度が 0.01mg-As/L を超えたモニタリング井戸は 3 箇所あり、要調査地域を見直した平成 24 年春季以降の最大濃度は 0.029mg-As/L (平成 24 年冬季、春季) である。

平成 28 年、上記 3 箇所のうち秋季 1 箇所では有機ヒ素化合物の濃度が 0.01mg-As/L を超過したが、その濃度は 0.014 mg-As/L であり、濃度推移はこれまでの調査結果とほぼ同様、横ばいの傾向にある。

本区域では、有機ヒ素化合物のうち PAA を主体とした汚染となっており、その推移は、緩やかな低下傾向にある。

イ A事案区域外の北部地域周辺

本区域内で平成 16 年以降有機ヒ素化合物の濃度が 0.01mg-As/L を超えたモニタリング井戸は 5 箇所であり、要調査地域を見直した平成 24 年春季以降の最大濃度は 0.143mg-As/L (平成 26 年春季) である。

平成 28 年、上記 5 箇所のうち冬季 4 箇所、春季 3 箇所、夏季及び秋季 2 箇所では有機ヒ素化合物の濃度が 0.01mg-As/L を超過したが、その濃度は 0.01～0.06mg-As/L の範囲である。

本区域では、有機ヒ素化合物のうち PMAA 及び PAA による汚染となっており、PAA が検出される井戸の分布域は PMAA に比べ狭く、地下水の流れの上流側に集中して存在している。また、地下水の流れの中流地域では、平成 18 年から PAA が検出されるようになり、緩やかな濃度上昇が見られたが、平成 26 年春季をピークに濃度低下傾向がみられる。一方、PMAA については濃度に大きな変化はない。これらは今回も同様であり、全体としてみると、有機ヒ素化合物の濃度は、ほぼ横ばい傾向にある。

ウ 要調査地域南東側

要調査地域南東側では、平成 28 年冬季～秋季のモニタリングにおいては、有機ヒ素化合物は検出されていない。

エ 要調査地域外縁部周辺

要調査地域外縁部周辺では、平成 28 年冬季～秋季のモニタリングにおいては、有機ヒ素化合物は検出されていない。

3. 今後の方針 (案)

昨年度の検討会において、要調査地域の範囲は平成 28、29 年度もこれまでと同様とすることとされた。また、モニタリング地点については引き続きこれまでと同様とし、平成 28、29 年度のモニタリング結果を踏まえて、平成 30 年度までにモニタリングの見直し検討を行うこととされた。

平成 28 年冬季～秋季のモニタリング結果において、特に大きな変化は認められなかったことから、平成 29 年度もこれまでと同様の地下水モニタリングを続けるものとする。

有機ヒ素化合物分析結果一覧表（単位：mg-As/L、定量下限値：いずれも0.001mg-As/L）

A事案区域外の北部地域周辺(1)

B-14

採水日	H16		H17			H18				H19				H20				H21				H22				H23				H24				H25					
	5/31	10/12	1/27	4/28	7/11	1/26	5/26	8/30	11/22	2/27	5/28	8/27	11/27	2/29	5/27	8/29	11/27	2/25	5/28	8/25	11/25	2/27	5/28	8/25	11/26	2/17	5/27	8/29	11/24	2/24	5/28	8/24	11/30	2/28	6/6	9/13	11/29		
DPAA	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.001	0.002	0.002	0.002	0.001	N.D.	0.001	0.002	0.002	0.002	0.002	0.001	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
PAA	N.D.	N.D.	N.D.	N.D.	N.D.	0.002	0.003	0.004	0.004	0.006	0.013	0.012	0.020	0.025	0.020	0.018	0.023	0.026	0.025	0.027	0.021	0.024	0.039	0.046	0.042	0.058	0.047	0.052	0.061	0.079	0.061	0.060	0.023	0.081	0.084	0.032			
PMAA	0.063	0.051	0.016	0.036	0.038	0.044	0.050	0.053	0.045	0.055	0.050	0.049	0.043	0.043	0.033	0.034	0.026	0.031	0.023	0.019	0.015	0.012	0.019	0.028	0.039	0.029	0.032	0.027	0.029	0.031	0.031	0.025	0.025	0.012	0.028	0.033	0.014		

採水日	H26				H27				H28			
	2/17	6/12	8/28	12/3	2/19	5/27	8/25	11/27	2/23	5/30	8/30	11/30
DPAA	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
PAA	0.055	0.110	0.092	0.045	0.022	0.018	0.024	0.026	0.029	0.031	0.036	0.028
PMAA	0.021	0.033	0.018	0.011	0.017	0.026	0.019	0.017	0.020	0.021	0.024	0.020

D-13

採水日	H16		H17			H18				H19				H20				H21				H22				H23				H24				H25			
		8/18	1/27	4/28	7/11	1/26	5/26	8/30	11/22	2/27	5/24	8/27	11/27	2/29	5/27	8/29	11/27	2/25	5/28	8/25	11/25	2/27	5/28	8/25	11/26	2/17	5/27	8/29	11/24	2/24	5/28	8/24	11/30	2/28	6/6	9/13	11/29
DPAA	—	N.D.	0.001	N.D.	N.D.	0.005	N.D.	N.D.	N.D.	N.D.	N.D.	0.002	0.006	0.005	0.003	0.002	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
PAA	—	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.001	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.001	0.001	0.001	N.D.	N.D.	N.D.	N.D.	
PMAA	—	0.067	0.023	0.009	0.005	N.D.	0.002	0.004	0.004	0.004	0.004	0.008	0.006	0.008	0.014	0.029	0.048	0.055	0.056	0.049	0.042	0.027	0.067	0.069	0.027	0.053	0.071	0.064	0.033	0.047	0.073	0.067	0.036	0.032	0.063	0.034	0.005

採水日	H26				H27				H28			
	2/17	6/12	8/28	12/3	2/19	5/27	8/25	11/27	2/23	5/30	8/30	11/30
DPAA	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
PAA	N.D.	0.001	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
PMAA	0.009	0.060	0.045	0.024	0.019	0.051	0.034	0.012	0.012	0.011	0.002	0.004

D-8

採水日	H16		H17			H18				H19				H20				H21				H22				H23				H24				H25				
		8/18	1/26	4/28	7/11	1/26	5/26	8/30	11/22	2/27	5/24	8/27	11/27	2/29	5/27	8/29	11/27	2/25	5/28	8/25	11/25	2/27	5/28	8/25	11/26	2/17	5/27	8/29	11/24	2/24	5/28	8/24	11/30	2/28	6/6	9/13	11/29	
DPAA	—	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
PAA	—	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
PMAA	—	0.001	N.D.	N.D.	N.D.	N.D.	N.D.	0.001	N.D.	N.D.	0.001	0.001	0.001	0.002	0.002	0.001	N.D.	0.001	0.001	0.001	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

採水日	H26			
	2/17	6/12	8/28	12/3
DPAA	N.D.	N.D.	—	—
PAA	N.D.	N.D.	—	—
PMAA	N.D.	N.D.	—	—

H-0250

採水日	H16		H17			H18				H19				H20				H21				H22				H23				H24				H25					
DPAA	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
PAA	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
PMAA	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

採水日	H26				H27				H28			
				12/3	2/19	5/27	8/25	11/27	2/23	5/30	8/30	11/30
DPAA	—	—	—	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
PAA	—	—	—	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
PMAA	—	—	—	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

注)モニタリング井戸D-8は平成26年夏季に廃止されたことから、平成26年秋季より、H-0250に替えて調査を実施。

有機ヒ素化合物分析結果一覧表（単位：mg-As/L、定量下限値：いずれも0.001mg-As/L）

A事案区域外の北部地域周辺(2)

HC-0020

採水日	H16		H17			H18				H19				H20				H21				H22				H23				H24				H25							
	4/5	10/12	1/26	4/28	7/11	1/26	5/26	8/30	11/22	2/27	5/24	8/27	11/27	2/29	5/27	8/26	11/27	2/25	5/28	8/25	11/25	3/1	5/28	8/25	11/26	2/17	5/27	8/29	11/24	2/24	5/28	8/24	11/30	2/28	6/6	9/13	11/29				
DPAA	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.				
PAA	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.001	0.001	N.D.	0.002	0.001	0.002	0.001	0.002	0.001	0.001	0.001	0.001
PMAA	0.026	0.049	0.053	0.049	0.038	0.025	0.020	0.021	0.014	0.014	0.017	0.015	0.015	0.014	0.012	0.01	0.012	0.011	0.009	0.009	0.008	0.008	0.012	0.018	0.016	0.010	0.010	0.015	0.023	0.013	0.025	0.020	0.026	0.026	0.014	0.016	0.008				

採水日	H26				H27				H28			
	2/17	6/12	8/28	12/3	2/19	5/27	8/25	11/27	2/23	5/30	8/30	11/30
DPAA	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
PAA	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
PMAA	0.017	0.027	0.019	0.014	0.022	0.021	0.023	0.023	0.018	0.010	0.007	0.008

E-5

採水日	H16		H17			H18				H19				H20				H21				H22				H23				H24				H25			
			1/27	7/11	1/26	5/26	8/30	11/22	2/27	5/24	8/27	11/27	2/29	5/27	8/29	11/27	2/25	5/28	8/25	11/25	2/27	5/28	8/25	11/26	2/17	5/27	8/29	11/24	2/24	5/28	8/24	11/30	2/28	6/6	9/13	11/29	
DPAA	—	—	—	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
PAA	—	—	—	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
PMAA	—	—	—	0.007	0.003	0.004	0.010	0.011	0.008	0.008	0.009	0.014	0.013	0.013	0.020	0.020	0.016	0.015	0.009	0.015	0.014	0.012	0.014	0.021	0.025	0.013	0.010	0.012	0.012	0.008	0.008	0.008	0.008	0.008	0.009	0.009	0.009

採水日	H26				H27				H28			
	2/17	6/12	8/28	12/3	2/19	5/27	8/25	11/27	2/23	5/30	8/30	11/30
DPAA	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
PAA	N.D.	0.001	N.D.	N.D.	0.001	0.001	0.002	N.D.	N.D.	N.D.	N.D.	N.D.
PMAA	0.007	0.012	0.010	0.010	0.008	0.006	0.006	0.002	0.003	0.002	0.001	0.001

G-3

採水日	H16		H17			H18				H19				H20				H21				H22				H23				H24				H25			
						1/26	5/26	8/30	11/22	2/27	5/24	8/28	11/27	2/29	5/27	8/29	11/27	2/25	5/28	8/25	11/25	3/1	5/28	8/26	11/26	2/17	5/27	8/29	11/24	2/24	5/28	8/24	11/30	2/28	6/6	9/13	11/29
DPAA	—	—	—	—	—	0.004	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.005	0.001	0.002	0.004	0.002	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.002	0.001	0.002	N.D.	0.003	0.002	0.002	0.002	0.002	N.D.	0.006
PAA	—	—	—	—	—	0.024	0.007	0.004	0.004	0.005	0.015	0.019	0.019	0.012	0.022	0.057	0.009	0.003	0.022	0.015	0.007	0.006	0.008	0.002	0.005	0.002	0.021	0.060	0.036	0.002	0.036	0.011	0.059	0.023	0.010	0.005	0.005
PMAA	—	—	—	—	—	N.D.	0.026	0.002	0.005	0.009	0.041	0.062	0.006	0.029	0.011	0.110	0.010	0.002	0.065	0.019	0.006	0.002	0.024	0.009	0.004	0.003	0.016	0.064	0.012	0.003	0.068	0.029	0.025	0.022	0.036	0.024	0.003

採水日	H26				H27				H28			
	2/17	6/12	8/28	12/3	2/19	5/27	8/25	11/27	2/23	5/30	8/30	11/30
DPAA	0.002	0.001	0.003	0.002	0.002	0.002	N.D.	0.002	0.002	N.D.	N.D.	N.D.
PAA	0.003	0.010	0.014	0.034	0.024	0.018	0.038	0.024	0.028	0.002	0.006	0.006
PMAA	0.005	0.021	0.035	0.025	0.035	0.029	0.062	0.009	0.025	N.D.	0.007	0.007

有機ヒ素化合物分析結果一覧表（単位：mg-As/L、定量下限値：いずれも0.001mg-As/L）

要調査地域南東側

J35

採水日	H22				H23				H24				H25				H26			H27				H28				
	2/26	5/28	8/26	11/26	2/17	5/27	8/30	11/25	2/24	5/28	8/24	11/30	2/28	6/6	9/11	11/29	2/17	6/12	8/27	12/3	2/19	5/27	8/25	11/27	2/23	5/30	8/30	11/30
DPAA	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
PAA	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
PMAA	0.001	0.001	N.D.	N.D.	N.D.	0.001	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

要調査地域外縁部周辺(1)

M1

採水日	H22				H23				H24				H25				H26			H27				H28				
	2/27	5/29	8/25	11/26	2/17	5/27	8/29	11/24	2/24	5/28	8/24	11/30	2/28	6/6	9/13	11/29	2/17	6/12	8/28	12/3	2/19	5/27	8/25	11/27	2/23	5/30	8/30	11/30
DPAA	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	—	—	—	—	—	—	—	—	—	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
PAA	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	—	—	—	—	—	—	—	—	—	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
PMAA	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	—	—	—	—	—	—	—	—	—	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

M3

採水日	H22				H23				H24				H25				H26			H27				H28				
													2/28	6/6	9/13	11/29	2/17	6/12	8/28	12/3	2/19	5/27	8/25	11/27	2/23	5/30	8/30	11/30
DPAA	—	—	—	—	—	—	—	—	—	—	—	—	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
PAA	—	—	—	—	—	—	—	—	—	—	—	—	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
PMAA	—	—	—	—	—	—	—	—	—	—	—	—	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

注)モニタリング井戸M1は平成24年秋季に廃止されたことから、平成25年冬季より、M3に替えて調査を実施。

M10

採水日	H22				H23				H24				H25				H26			H27				H28				
	2/27	5/28	8/25	11/26	2/17	5/27	8/29	11/24	2/24	5/28	8/24	11/30	2/28	6/6	9/13	11/29	2/17	6/12	8/28	12/3	2/19	5/27	8/25	11/27	2/23	5/30	8/30	11/30
DPAA	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
PAA	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
PMAA	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

M20

採水日	H22				H23				H24				H25				H26			H27				H28				
	2/27	5/28	8/25	11/26	2/17	5/27	8/29	11/24	2/24	5/28	8/24	11/30	2/28	6/6	9/13	11/29	2/17	6/12	8/28	12/3	2/19	5/27	8/25	11/27	2/23	5/30	8/30	11/30
DPAA	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
PAA	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
PMAA	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

M22

採水日	H22				H23				H24				H25				H26			H27				H28				
	2/27	5/28	8/25	11/26	2/17	5/27	8/29	11/24	2/24	5/28	8/24	11/30	2/28	6/6	9/13	11/29	2/17	6/12	8/28	12/3	2/19	5/27	8/25	11/27	2/23	5/30	8/30	11/30
DPAA	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
PAA	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
PMAA	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

有機ヒ素化合物分析結果一覧表（単位：mg-As/L、定量下限値：いずれも0.001mg-As/L）

要調査地域外縁部周辺(2)

SB225

採水日	H22				H23				H24				H25				H26				H27				H28			
	2/24	5/28	8/25	11/26	2/17	5/27	8/29	11/24	2/24	5/28	8/24	11/30	2/28	6/6	9/13	11/29	2/17	6/12	8/28	12/3	2/19	5/27	8/25	11/27	2/23	5/30	8/30	11/30
DPAA	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
PAA	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
PMAA	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

F2

採水日	H22				H23				H24				H25				H26				H27				H28			
	3/1	5/27	8/25	11/26	2/17	5/27	8/29	11/24	2/24	5/28	8/24	11/30	2/28	6/6	9/11	11/29	2/17	6/12	8/28	12/3	2/19	5/27	8/25	11/27	2/23	5/30	8/30	11/30
DPAA	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
PAA	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
PMAA	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

J18-7

採水日	H22				H23				H24				H25				H26				H27				H28			
	2/26	5/28	8/26	11/26	2/17	5/27	8/30	11/24	2/24	5/28	8/24	11/30	2/28	6/6	9/13	11/29	2/17	6/12	8/27	12/3	2/19	5/27	8/25	11/27	2/23	5/30	8/30	11/30
DPAA	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
PAA	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
PMAA	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

G1

採水日	H22				H23				H24				H25				H26				H27				H28			
	3/1	5/28	8/26	11/26	2/17	5/27	8/29	11/24	2/24	5/28	8/24	11/30	2/28	6/6	9/13	11/29	2/17	6/12	8/28	12/3	2/19	5/27	8/25	11/27	2/23	5/30	8/30	11/30
DPAA	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
PAA	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
PMAA	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.