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Table 10. Continueu	Tab	le	10.	Continued
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Parameter	Analytic	unit	Result: E11-121-S2		Compare: Primary vs. Dup		
Parameter	Analyte	UIIIL	Primary	Primary Dup	Ratio	Criteria	Evaluation
Dioxin	1,2,3,4,6,7,8-HpCDD	pg/g	0.287 J	< 2.68	-	-	Agree
	2,3,7,8-TCDF	pg/g	0.246 J	0.325 J	0.76	0.33-3.00	Agree
	OCDD	pg/g	15.9	19.7	0.81	0.25-4.00	Agree
OC Pesticide	gamma-BHC (Lindane)	µg/kg	2.2 J	2.74 J	0.80	0.33-3.00	Agree
VOC	2-Butanone	µg/kg	2.21 J	5.16 J	0.43	0.33-3.00	Agree
	Acetone	µg/kg	12.2 J	28.3 J	0.43	0.33-3.00	Agree
	Methyl iodide	µg/kg	< 4.75	0.828 J	-	-	Agree
	Methylene chloride	μg/kg	1.05 J	1.47 J	0.71	0.33-3.00	Agree
	Tetrachloroethene	µg/kg	4.28 J	2.55 J	1.68	0.33-3.00	Agree
SVOC	Bis(2-Ethylhexyl)phthalate	µg/kg	30.7 J	< 342		*	Agree
Metal	Arsenic	mg/kg	4.83	6.31	0.77	0.50-2.00	Agree
	Barium	mg/kg	409	941	0.43	0.50-2.00	Disagree
	Cadmium	mg/kg	0.847	0.902	0.94	0.50-2.00	Agree
	Chromium	mg/kg	4.17	5.36	0.78	0.50-2.00	Agree
	Lead	mg/kg	9.37	9.65	0.97	0.50-2.00	Agree
	Mercury	mg/kg	0.00109 J	< 0.0198	~	-	Agree
	Selenium	mg/kg	1.35 J	1.85	0.73	0.33-3.00	Agree
	Silver	mg/kg	0.509 J	0.853 J	0.60	0.33-3.00	Agree

Davamatari			Result: E11-133-S2		Compare: Primary vs. Dup		
Parameter	Analyte	unit	Primary	Primary Dup	Ratio	Criteria	Evaluation
Dioxin	1,2,3,4,6,7,8-HpCDD	pg/g	0.305 J	0.217 J	1.41	0.33-3.00	Agree
	2,3,7,8-TCDF	pg/g	0.28 J	0.235 J	1.19	0.33-3.00	Agree
	OCDD	pg/g	19.7	7.14	2.76	0.25-4.00	Agree
OC Pesticide	4,4'-DDT	µg/kg	< 10.2	2.99 J		-	Agree
VOC	Acetone	µg/kg	12.3 J	9.08 J	1.35	0.33-3.00	Agree
	Methylene chloride	µg/kg	1.68 J	1.3 J	1.29	0.33-3.00	Agree
	Toluene	µg/kg	< 4.83	1.29 J	-	-	Agree
Metal	Arsenic	mg/kg	5.52	4.18	1.32	0.50-2.00	Agree
	Barium	mg/kg	134	92.8	1.44	0.50-2.00	Agree
	Cadmium	mg/kg	0.776	0.591	1.31	0.50-2.00	Agree
	Chromium	mg/kg	3.98	3.95	1.01	0.50-2.00	Agree
	Lead	mg/kg	10.2	7.75	1.32	0.50-2.00	Agree
	Silver	mg/kg	0.35 J	0.153 J	2.29	0.33-3.00	Agree

Table	10.	Continued

	arameter Analyte		Result: E11-128-S2		Compare: Primary vs. Dup		
Parameter		unit	Primary	Primary Dup	Ratio	Criteria	Evaluation
Dioxin	2,3,7,8-TCDF	pg/g	0.253 J	0.307 J	0.82	0.33-3.00	Agree
	OCDD	pg/g	2 J	1.63 J	1.23	0.33-3.00	Agree
OC Pesticide	4,4'-DDT	µg/kg	1.45 J	1.29 J	1.12	0.33-3.00	Agree
VOC	Acetone	µg/kg	< 41	10.4 J	-	-	Agree
	Methylene chloride	µg/kg	1.42 J	2.08 J	0.68	0.33-3.00	Agree
Metal	Arsenic	mg/kg	2.59	3.09	0.84	0.50-2.00	Agree
	Barium	mg/kg	96.9	66.2	1.46	0.50-2.00	Agree
	Cadmium	mg/kg	0.861	0.637	1.35	0.50-2.00	Agree
	Chromium	mg/kg	2.93	2.33	1.26	0.50-2.00	Agree
	Lead	mg/kg	15.9	10.5	1.51	0.50-2.00	Agree

		unit	Result: E	11-147-S2	Compare: Primary vs. Dup		
Parameter	Analyte	unit	Primary	Primary Dup	Ratio	Criteria	Evaluation
Dioxin	1,2,3,4,6,7,8-HpCDD	pg/g	< 2.62	0.277 J	-	•	Agree
	2,3,4,7,8-PeCDF	pg/g	< 2.62	0.0745 J	-	-	Agree
	2,3,7,8-TCDF	pg/g	0.211 J	0.158 J	1.34	0.33-3.00	Agree
	OCDD	pg/g	4.37 J	5.97	0.73	0.33-3.00	Agree
VOC	Acetone	µg/kg	12.8 J	8.05 J	1.59	0.33-3.00	Agree
	Methylene chloride	µg/kg	1.72 J	< 19	-	-	Agree
	Toluene	µg/kg	0.89 J	0.943 J	0.94	0.33-3.00	Agree
SVOC	Bis(2-Ethylhexyl)phthalate	µg/kg	91.7 J	53 J	1.73	0.33-3.00	Agree
Metal	Arsenic	mg/kg	1.22	0.829 J	1.47	0.33-3.00	Agree
	Barium	mg/kg	65.6	61.7	1.06	0.50~2.00	Agree
	Cadmium	mg/kg	0.699	0.598	1.17	0.50-2.00	Agree
	Chromium	mg/kg	3.86	3.66	1.05	0.50-2.00	Agree
	Lead	mg/kg	4.09	3.33	1.23	0.50-2.00	Agree
	Selenium	mg/kg	< 1.96	0.46 J	-	-	Agree

			Result: E	Result: E11-123-S3		Compare: Primary vs. Dup		
Parameter	Analyte	unit	Primary	Primary Dup	Ratio	Criteria	Evaluation	
Dioxin	1,2,3,7,8-PeCDF	pg/g	< 2.64	0.13 J		-	Agree	
	2,3,7,8-TCDD	pg/g	0.11 J	< 0.506	-	-	Agree	
	2,3,7,8-TCDF	pg/g	0.381 J	0.269 J	1.42	0.33-3.00	Agree	
	OCDD	pg/g	3.14 J	2.98 J	1.05	0.33-3.00	Agree	
VOCs	Acetone	µg/kg	10 J	< 43.5	-	-	Agree	
	Methylene chloride	µg/kg	1.22 J	0.862 J	1.42	0.33-3.00	Agree	
Metals	Arsenic	mg/kg	4.12	2.96	1.39	0.50-2.00	Agree	
	Barium	mg/kg	107	86.1	1.24	0.50-2.00	Agree	
	Cadmium	mg/kg	0.389 J	<0.516	-	u.	Agree	
	Chromium	mg/kg	1.83	1.57	1.17	0.50-2.00	Agree	
	Lead	mg/kg	7.72	4.7	1.64	0.50-2.00	Agree	

		11	Result: E11-120-S2		Compare: Primary vs. QA		
Parameter	Analyte	Unit	Primary	QA	Ratio	Criteria	Evaluation
Dioxin	1,2,3,4,6,7,8-HpCDD	pg/g	0.315 J	<5.3	-	-	Agree
	1,2,3,4,6,7,8-HpCDF	pg/g	0.27 J	<5.3	-	-	Agree
	1,2,3,4,7,8-HxCDF	pg/g	0.104 J	<5.3	-	-	Agree
	1,2,3,6,7,8-HxCDF	pg/g	0.107 J	<5.3	-	-	Agree
	1,2,3,7,8,9-HxCDF	pg/g	0.182 J	<5.3	-	-	Agree
	1,2,3,7,8-PeCDD	pg/g	0.107 J	<5.3	~	-	Agree
	1,2,3,7,8-PeCDF	pg/g	0.136 J	<5.3	-	-	Agree
	2,3,4,7,8-PeCDF	pg/g	0.0882 J	<5.3	-	-	Agree
	2,3,7,8-TCDF	pg/g	0.336 J	0.45 J	0.75	0.33-3.00	Agree
	OCDD	pg/g	5.14	8.2 J	0.63	0.33-3.00	Agree
	OCDF	pg/g	0.784 J	<11	-	-	Agree
OC-P	Endosulfan I	µg/kg	0.531 J	<11	-	-	Agree
VOC	2-Butanone	µg/kg	1.96 J	<8.61	-	-	Agree
	Acetone	µg/kg	8.75 J	15.071 J	0.58	0.33-3.00	Agree
	Methylene chloride	µg/kg	1.07 J	<17.2	-	-	Agree
	Toluene	µg/kg	<4.39	3.337 J	-	-	Agree
Metal	Arsenic	mg/kg	0.937 J	<43	-	-	Agree
	Barium	mg/kg	76.3	90	0.85	0.50-2.00	Agree
	Cadmium	mg/kg	<0.499	1.3 J	0.38	0.33-3.00	Agree
	Chromium	mg/kg	2.28	2.3 J	0.99	0.33-3.00	Agree
	Lead	mg/kg	13.4	17	0.79	0.50-2.00	Agree
	Mercury	mg/kg	<0.0204	0.0039 J	-	-	Agree

Table 11. Comparison of Duplicate Sample Results between Primary and QA Laboratories

0		Unit	Result: E	Result: E11-123-S3		Compare: Primary vs. QA		
Parameter	Analyte		Primary	QA	Ratio	Criteria	Evaluation	
Dioxin	2,3,7,8-TCDD	pg/g	0.11 J	<1.1	-	-	Agree	
	2,3,7,8-TCDF	pg/g	0.381 J	0.37 J	1.03	0.33-3.00	Agree	
	OCDD	pg/g	3.14 J	<11	-	-	Agree	
VOC	Acetone	µg/kg	10 J	15.248 J	0.66	0.33-3.00	Agree	
	Methylene chloride	µg/kg	1.22 J	<19.6	~	**	Agree	
Metal	Arsenic	mg/kg	4.12	<42	-	-	Agree	
	Barium	mg/kg	107	110	0.97	0.50-2.00	Agree	
	Cadmium	mg/kg	0.389 J	1.4 J	0.28	0.33-3.00	Disagree	
	Chromium	mg/kg	1.83	1.7 J	1.08	0.33-3.00	Agree	
	Lead	mg/kg	7.72	9.3 J	0.83	0.33-3.00	Agree	
	Mercury	mg/kg	<0.0203	0.0036 J	-	-	Agree	
	Silver	mg/kg	0.443 J	<2.1	-	-	Agree	

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Table 11.	Continued
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Parameter	Analyte	Unit	Result: E11-136-S2		Compare: Primary vs. QA		
Parameter	Andiyle	Unic	Primary	QA	Ratio	Criteria	Evaluation
Dioxin	2,3,4,7,8-PeCDF	pg/g	0.0641	<5.3	-	-	Agree
	2,3,7,8-TCDF	pg/g	0.2	0.4	0.50	0.33-3.00	Agree
	OCDD	pg/g	2.4	6.3	0.38	0.33-3.00	Agree
VOC	Acetone	µg/kg	<45.1	10.684	-	-	Agree
	Methylene chloride	µg/kg	1.1	<18.5	-	-	Agree
Metal	Arsenic	mg/kg	2.24	<42	-	-	Agree
	Barium	mg/kg	98.5	83	1.19	0.50-2.00	Agree
	Cadmium	mg/kg	0.453	1.4	0.32	0.50-2.00	Disagree
	Chromium	mg/kg	3.76	4.1	0.92	0.50-2.00	Agree
	Lead	mg/kg	7.1	8.5	0.84	0.50-2.00	Agree
	Mercury	mg/kg	<0.0179	0.004	-	•	Agree

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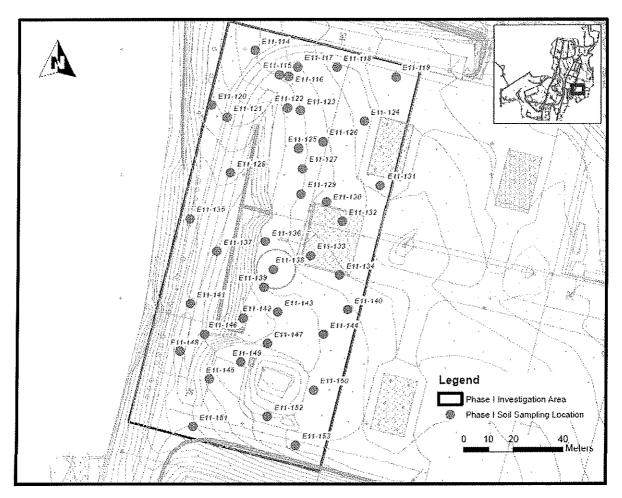


Figure 1. Phase I (Helipad) Site Borehole Locations

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# APPENDIX VII. REPORT FOR PHASE 2/2B SOIL SAMPLE TEST RESULT

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DEPARTMENT OF THE ARMY U.S. ARMY CORPS OF ENGINEERS, FAR EAST DISTRICT Unit #15546 APO AP 96205-5546

CEPOF-ED-G

SEP 1 9 2011.

MEMORANDUM FOR USFK Assistant Chief of Staff, Engineers, ATTN: Colonel Joseph F. Birchmeier, UNIT #15237, APO AP 96205-5237

SUBJECT: Final Test Results of Phase II and IIb Soil Samples, Cp Carroll, Korea (G&E 11-032E/E2011-62)

1. Enclosed are final test results for soil samples collected at Phase II and IIb Sites, Cp Carroll. Soil sampling was conducted from 5 Aug to 13 Aug 2011 and a total of 154 samples were collected from 43 boreholes by the Geotechnical and Environmental Engineering Branch, US Army Corps of Engineers, Far East District (FED). The locations of boreholes are shown in Figure 1 and sample information, with sampling depth, is provided in Table 1.

2. The samples were tested by SGS North America located in Wilmington, NC, according to US EPA SW-846 Methods. The analytical parameters tested were dioxins and furans, chlorinated herbicides, organochlorine (OC) pesticides, organophosphorus (OP) pesticides, volatile organic compounds (VOC), semivolatile organic compounds (SVOC), and RCRA (Resource Conservation and Recovery Act) metals. Seven (7) samples were tested by the US Army Public Health Command as duplicate analyses for quality assurance purposes. A total of 204 analytes were tested for each soil sample. Table 2 provides test method information for each analytical parameter.

# 3. Laboratory Findings

Summaries of test results for each analytical parameter are provided in Tables 3 through 9. The highlighted numbers indicate detections of contaminants. The summary tables presented in this memorandum indicate those parameters which were detected above the reporting limit or, at least, estimated to be above its detection limit. *The full laboratory reports are provided on compact disk (CD)*.

a. Dioxin and Furan: Of particular interest for the dioxins and furans is the dioxin commonly associated with Agent Orange - 2,3,7,8-TCDD. Three samples have concentrations of 2,3,7,8-TCDD at levels greater than reporting limits. The locations, concentrations, and sample depths (meters below ground surface) were as follows:

• E11-171-S3	7.44 pg/g	2.0 to 6.5 m
• E11-181-S1	0.57 pg/g	0.0 to 0.5 m
• E11-184-S1	0.502 pg/g	0.0 to 0.5 m

The result for E11-184-S1 was EMPC-flagged (estimated maximum possible concentration). This means the result was calculated from a signal which did not meet the mass spectrum quality criteria, but was estimated as the maximum possible concentration under the assumption the signal is only originated from the analyte.

An additional 26 samples had detected concentrations of 2,3,7,8-TCDD that were reported at concentration levels between the detection limit and reporting limits. The concentrations ranged between  $0.0683 \sim 0.317$  pg/g. These values were flagged "J EMPC" during data validation.

Other dioxin and furan compounds were frequently detected in the collected samples. The most frequently detected dioxins and furans were OCDD (151 of 154 samples); 1,2,3,4,6,7,8-HpCDD (128 of 154 samples); 1,2,3,4,6,7,8-HpCDF (75 of 154 samples); and OCDF (61 of 154 samples). The maximum concentrations, locations, and sample depths (meters below ground surface) of these dioxins and furans were:

• OCDD	1,960 pg/g	E11-195-S3	2.0 to 5.0 m
• 1,2,3,4,6,7,8-HpCDD	76.9 pg/g	E11-170-S2	0.5 to 2.0 m
• 1,2,3,4,6,7,8-HpCDF	19.7 pg/g	E11-178-S1	0.0 to 0.5 m
• OCDF	41.1 pg/g	E11-173-S1	0.0 to 0.5 m

Calculated toxic equivalent (TEQ) values for detected dioxins and furans (EMPC included) ranged from 0.00 to 10.09 pg/g based on 2005 World Health Organization (WHO) evaluation. The maximum TEQ was calculated for sample E11-171-S3 (2.0 to 6.5 m bgs).

**b.** Chlorinated Herbicide: No chlorinated herbicides were detected in any of the collected samples. Agent Orange-related chemicals in chlorinated herbicides are 2,4-dichlorophenoxyacetic acid (2,4-D) and 2,4,5-trichlorophenoxyacetic acid (2,4,5-T). The reporting limits of Agent Orange constituents ranged from 0.0152 to 0.0193 mg/kg for both of 2,4-D and 2,4,5-T.

c. OC-Pesticide: Several OC-Pescticides were detected in the collected samples. The OC-Pesticides most frequently detected were 4,4'-DDD (107 out of 154 samples), 4,4'-DDE (103 out of 154 samples), 4,4'-DDT (117 out of 154 samples), gamma-BHC (Lindane) (45 out of 154 samples), dieldrin (30 out of 154 samples), beta-BHC (29 out of 154 samples), alpha-chlordane (28 out of 154 samples), and gamma-chlordane (27 out of 154 samples). The maximum concentration and location for each of these OC-Pesticides are as follows:

• 4,4'-DDD	13,500 µg/kg	E11-179-S1	0.0 to 0.5 m
• 4,4'-DDE	2,830 µg/kg	E11-170-S1	0.0 to 0.5 m
• 4,4'-DDT	70,200 µg/kg	E11-179-S1	0.0 to 0.5 m
<ul> <li>gamma-BHC (Lindane)</li> </ul>	13,900 µg/kg	E11-174-S1	0.3 to 0.8 m
<ul> <li>dieldrin</li> </ul>	336 µg/kg	E11-178-S1	0.0 to 0.5 m
<ul> <li>beta-BHC</li> </ul>	112 µg/kg	E11-174-S1	0.3 to 0.8 m

٠	alpha-chlordane	78.7 μg/kg	E11-171-S2	0.5 to 2.0 m
٠	gamma-chlordane	93 µg/kg	E11-171-S2	0.5 to 2.0 m

d. OP-Pesticide: No OP-pesticides were detected in any of the collected samples.

**e. VOC**: A number of VOCs were detected in the collected samples. The VOCs that were detected most frequently are acetone (76 of 154 samples), tetrachloroethene (63 of 154 samples), 2-butanone (57 of 154 samples), methyl iodide (33 of 154 samples), toluene (32 of 154 samples), methylene chloride (31 of 154 samples), trichloroethene (31 of 154 samples), and cis-1,2-dichloroethene (31 of 154 samples). The maximum concentration and location for each of these VOCs are as follows:

Acetone	108 µg/kg	E11-193-S1	0.0 to 0.5 m
<ul> <li>tetrachloroethene</li> </ul>	32,300 µg/kg	E11-179-S1	0.0 to 0.5 m
2-butanone	28 µg/kg	E11-180-S1	0.0 to 0.5 m
<ul> <li>methyl iodide</li> </ul>	7.92 µg/kg	E11-180-S1	0.0 to 0.5 m
• toluene	21,300 µg/kg	E11-180-S4	5.0 to 10.0 m
<ul> <li>methylene chloride</li> </ul>	38.2 µg/kg	E11-164-S4	5.0 to 11.0 m
<ul> <li>trichloroethene</li> </ul>	587 µg/kg	E11-176-S4	5.0 to 10.0 m
<ul> <li>cis-1,2-dichloroethene</li> </ul>	558 µg/kg	E11-170-S3	2.0 to 5.0 m

**f. SVOC**: The most common SVOC analyte detected in Phase II and IIb samples was bis(2ethylhexyl)phthalate. It was detected in 35 of the 154 samples, but 33 of those detected values are estimated and J-flagged because they were less than the reporting limit. Forty-four (44) other SVOCs were detected in the soil samples. Theses detections were often in only one or two samples at levels less than the reporting limit. Indeed, one sample (E11-160 at a depth of 2 to 3.4 meters below ground surface) accounts for 44 of the detected SVOCs found in the soil samples collected during Phase II and IIb.

g. Metals: Arsenic, barium, chromium, and lead were detected in all 154 samples. Mercury, selenium, and cadmium were also detected in a significant number of samples collected during Phase II and IIb. Silver was only detected in four of the 154 collected samples. The maximum concentration and location for each of the most frequently detected metals are as follows:

<ul> <li>Arsenic</li> </ul>	308 mg/kg	E11-155-S1	0.0 to 0.5 m
<ul> <li>Barium</li> </ul>	143 mg/kg	E11-191-S3	2.0 to 5.0 m
Chromium	19.6 mg/kg	E11-173-S2	0.5 to 2.0 m
• Lead	34.7 mg/kg	E11-190-S3	2.0 to 5.0 m

4. Quality Control and Quality Assurance

# a. Data Validation

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Chemical data validation was conducted by Laboratory Data Consultants, Inc. located in Carlsbad, CA. The data was evaluated in accordance with US Department of Defense Quality System Manual (DoD QSM) for Environmental Laboratories, National Functional Guidelines for Chlorinated Dibenzo-p-Dioxins and Chlorinated Dibenzofurans Data Review (OSWER 9240.1-51), National Functional Guidelines for Superfund Organic Methods Data Review (OSWER 9240.1-48), and National Functional Guidelines for Inorganic Superfund Data Review (OSWER 9240.1-51). *Full data validation reports are included on compact disk (CD).* 

(1) Sample Preservation: All samples must be refrigerated at  $4 \pm 2^{\circ}$ C. The chain-ofcustodies were reviewed for temperature upon time of receipt. In one sample delivery group (SDG 31102153) out of a total of six, the temperature blanks were reported at 11 °C, 9 °C, 8.1 °C upon receipt by the laboratory but cooler temperatures in this SDG were reported at 2 °C, 3 °C, 4.4 °C upon receipt by the laboratory. The temperature discrepancies in temperature blanks should not affect the results of analyses.

(2) Holding Times: The maximum allowable holding time between sample collection and sample preparation or sample preparation and sample analysis depends on the analyte. All soil samples met holding time criteria; the 14 day analysis holding time for VOC, the 28 day analysis holding time for mercury, the 180 day analysis holding time for all other metals, the 30 day extraction and 45 day analysis holding time for dioxins/furans, the 14-day extraction and 40 day analysis holding time for SVOC, pesticides, and herbicides. There was no holding time discrepancy.

(3) Quality Control Samples: The validation report evaluated the performance of QC samples such as blanks, laboratory control samples, matrix spike/matrix spike duplicates, and surrogate spikes. Method blanks were performed at the required frequencies. VOCs, OC-pesticides, metals, and dioxin/furans were detected in several method blanks. Method blank contamination resulted in flagging of field sample results as "not detected" depending on level of detection in these sample groups. Thirteen (13) trip blanks were collected and analyzed for VOC to identify possible contamination originating from storage, shipping, site conditions, and laboratory handling. Several VOCs were detected in the trip blanks at low levels. As a result of trip blank contamination, field samples were qualified as "not detected" depending on level of detection in corresponding sample groups.

Surrogates were added to all samples and blanks as required. The laboratory control samples, and matrix spike/matrix spike duplicates were performed at the required frequencies. All recoveries of surrogates, laboratory control samples, and matrix spike/matrix spike duplicates were within acceptance limits with a few exceptions. Relative percent recoveries between matrix spike and matrix spike duplicates were within acceptance limits with several exceptions. At the base of quality control issues of exceeding acceptance limits, the validation report includes identification of reported results which need to be qualified (flagged) and the reasons for the flags. During data validation, a total of fifteen data were qualified as rejected due to severely

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low recoveries in matrix spike/matrix spike duplicates. The rejected data were identified with the flag "R"; 3 results in chlorinated herbicides, 3 results in OC-pesticides, 7 results in OP-pesticides, and 2 results in VOCs.

(4) Summary: Laboratory data packages were evaluated for preservation, holding times, blanks, surrogate spikes, laboratory control samples, and matrix spike/matrix spike duplicates. The evaluation for these parameters is considered to be a "Level 2a" Data Validation. The difference between Level 2a and 2b is that 2a validation does not review calibrations, while 2b does. The overall data validation showed that the data is generally of acceptable quality with some results for specific analytes being rejected or qualified as estimated/not detected.

# b. Duplicate Sample Results

Field samples were collected as duplicates and used for performance evaluation and QA purposes. Duplicate sample results were evaluated based on EM 200-1-6 titled Chemical Quality Assurance for Hazardous, Toxic and Radioactive Waste Projects. The document identifies the criteria for comparing field QC and QA sample data. Based on those criteria, the concentration ratio between primary and duplicate samples should be within designated limits to be evaluated as "agreement" with each other. The acceptance criteria are as follows:

 $0.33 \le \text{Ratio} \le 3.00$  when one result is less than reporting limit  $0.50 \le \text{Ratio} \le 2.00$  for metal  $0.20 \le \text{Ratio} \le 5.00$  for VOC  $0.25 \le \text{Ratio} \le 4.00$  for Dioxin, Herbicide, Pesticide, and SVOC

(1) Duplicate Samples in Primary Laboratory: Seventeen (17) sets of duplicate samples were provided to the primary laboratory for blind duplicate analyses (primary and primary dup). Table 10 shows the results of samples to be compared and outcome of evaluation determining whether the ratio is within "agreement" criteria or not. The table lists the analytes having at least one quantified (detected) result. Other analytes which are not included in the table had results "not detected" at both of the primary and primary dup samples, and they are considered as in "agreement" each other. Out of 17 sets of samples and 3468 analytes (204 analytes/sample), 14 analytes showed "disagreement" between duplicate samples analyzed in the primary laboratory.

(2) Duplicate Samples between Primary and QA laboratories: Seven (7) sets of duplicate samples were analyzed and compared between primary and QA laboratories. Comparison of the results and performance evaluation are provided in Table 11. The analytes that were not detected in both samples were omitted in this table. Out of 7 sets of samples and 1428 analytes, 7 analytes showed "disagreement" as a result of the comparison of data between two different laboratories.

(3) The possible reason for the duplicate disagreement is considered to be due to nonhomogeneity of the soil samples. Soil samples are homogenized when they are collected in two

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different containers at the site and also the laboratories homogenize soil samples prior to analyses. But there can be "hot spots" in a container that go into the sample aliquot and cause disparity between the results. Reported results having values between the detection limits and reporting limits (J-flagged) are estimated amount and will have a much higher degree of variability and uncertainty in measurement. Many of the disagreements involved data with Jflags: disagreement on 10 of 14 duplicate samples between primary and primary dup, disagreement on 3 of 7 in duplicate samples between primary and QA laboratories. The overall data comparison showed pretty good performance and assured the quality of analyses.

5. The POC for this matter is Ms. 56 ble



Encl

Chief, Geotechnical and Environmental Engineering Branch

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# Tables and Figures

- Final Test Results of Phase II & IIb Soil Samples, Cp Carroll -

- Table 1.
   Soil Sample Information for Phase II and IIb
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- Table 3. Summary of Dioxin/Furan Results for Phase II & IIb Soil Samples
- Table 4. Summary of Chlorinated Herbicide Results for Phase II & IIb Soil Samples
- Table 5.
   Summary of Organochlorine Pesticide Results for Phase II & IIb Soil Samples
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   Summary of Semivolatile Organic Compound Results for Phase II & IIb Soil
   Samples
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Figure 1. Borehole Locations at Phase II and IIb Sites

Borehole	Sample	Depth (m)	Borehole	Sample	Depth (m)	Borehole	Sample	Depth (m)	Borehole	Sample	Depth (m)	Borehole	Sample	Depth (m)
E11-154	ID S1	0.0-0.5	E11-164	S1	0.0-0.5	E11-173	ID S4	5.0-10.0	E11-181	S3	2.0-5.0	E11-189	S3	2.0-5.0
E11-154	S2	0.5-2.3	E11-164	S2	0.5-2.0	E11-174	S1	0.3-0.8	E11-182	S1	0.0-0.5	E11-189	S4	5.0-10.0
E11-155	51	0.0-0.5	E11-164	S3	2.0~5.0	E11-174	S2	0.8-2.3	E11-182	S2	0.5-2.0	E11-190	S1	0.0-0.5
E11-155	S2	0.5-1.8	E11-164	55 S4	5.0-11.0	E11-174	53 S3	2.3-5.3	E11-182	S3	2.0-5.0	E11-190	S2	0.5-2.0
E11-156	51	0.0-0.5	E11-165	S1	0.0-0.5	E11-174	 S4	5.3-8.9	E11-182	 S4	5.0-10.0	E11-190	S3	2.0-5.0
E11-156	S2	0.5-2.0	E11-165	S2	0.5-2.0	E11-175	S1	0.0-0.5	E11-183	S1	0.0-0.5	E11-190		5.0-10.0
E11-156	52 S3	2.0-6.45	E11-165	52 S3	2.0-5.0	E11-175	S2	0.5-2.0	E11-183	S2	0.5-2.0	E11-191	S1	0.0-0.5
E11-157	53 S1	0.0-0.5	E11-165	53 S4	5.0-10.0	E11-175	52 S3	2.0-5.0	E11-183	S3	2.0-5.0	E11-191	S2	0.5~2.0
E11-157	S2	0.5-2.0	E11-166	S1	0.3-0.8	E11-175	54	5.0-7.25	E11-183	50 S4	5.0-10.0	E11-191	 S3	2.0-5.0
E11-157	52 S3	2.0-4.5	E11-166	S2	0.8-2.7	E11-176	S1	0.0-0.5	E11-184	S1	0.0-0.5	E11-191	54 S4	5.0-7.7
E11-158	S1	0.0-0.5	E11-167	51	0.0-0.5	E11-176	S2	0.5-2.0	E11-184	S2	0.5-2.0	E11-192	S1	0.0-0.5
E11-158	52 S2	0.5-2.0	E11-167	S2	0.5-2.0	E11-176	52 S3	2.0-5.0	E11-184	52 S3	2.0-5.0	E11-192	S2	0.5-2.0
E11-158	52 S3	2.0-5.0	E11-167	52 S3	2.0-5.5	E11-176	S4	5.0-10.0	E11-184	54 S4	5.0-8.75	E11-192	S3	2.0-5.0
E11-158	54	5.0-8.5	E11-168	50 S1	0.0-0.5	E11-177	S1	0.4-0.9	E11-185	S1	0.0-0.5	E11-192	S4	5.0-10.0
E11-159	S1	0.0-0.5	E11-168	S2	0.5-3.0	E11-177	S2	0.9-2.4	E11-185	S2	0.5-2.0	E11-193	S1	0.0-0.5
E11-159	S2	0.5-2.0	E11-169	S1	0.0-0.5	E11-177	S3	2.4-5.4	E11-185	S3	2.0-5.0	E11-193	S2	0.5-2.0
E11-159	S3	2.0-5.0	E11-169	S2	0.5-1.8	E11-177	S4	5.4-9.0	E11-185	S4	5.0-8.8	E11-193	S3	2.0-5.0
E11-159	S4	5.0-10.0	E11-170	S1	0.0-0.5	E11-178	S1	0.0-0.5	E11~186	S1	0.0-0.5	E11-193	S4	5.0-8.6
E11-160	S1	0.0-0.5	E11-170	S2	0.5-2.0	E11-178	S2	0.5-2.0	E11-186	S2	0.5-2.0	E11~194	S1	0.3-0.8
E11-160	S2	0.5-2.0	F11-170	S3	20-50	F11-178	53	20-50	E11-186	S3	2,0-5.0	E11-194	S2	0.8-2.0
E11-160	S3	2.0-3.4	E11-170	S4	5.0-7.5	E11-178	S4	5.0-10.0	E11-186	S4	5.0-8.0	E11-194	S3	2.0-5.0
E11-161	S1	0.0-0.5	E11-171	S1	0.0-0.5	E11-179	S1	0.0-0.5	E11-187	S1	0.0-0.5	E11-194	S4	5.0-10.0
E11-161	S2	0.5-2.0	E11-171	S2	0.5-2.0	E11-179	<b>S</b> 2	0.5-2.0	E11~187	S2	0.5-2.0	E11-195	S1	0.3-0.8
E11-161	S3	2.0-5.0	E11-171	S3	2.0-6.5	E11-179	S3	2.0-5.0	E11-187	S3	2.0-5.0	E11-195	S2	0.8-2.0
E11-161	S4	5.0-7.9	E11-172	S1	0.0-0.5	E11-179	S4	5.0-10.0	E11-187	S4	5.0-10.0	E11-195	S3	2.0-5.0
E11-162	S1	0.0-0.5	E11-172	S2	0.5-2.0	E11-180	S1	0.0-0.5	E11-188	S1	0.0-0.5	E11-195	S4	5.0-10.0
E11 162	S2	0.5-1.52	E11-172	S3	2.0-5.0	E11-180	S2	0.5-2.0	E11-188	S2	0.5-2.0	E11-196	<u>ន</u> 1	በ 3-በ 8
E11-163	S1	0.0-0.5	E11-172	S4	5.0-8.7	E11-180	<b>S</b> 3	2.0-5.0	E11-188	S3	2.0-5.0	E11-196	<b>S</b> 2	0.8-2.3
E11-163	S2	0.5-2.0	E11-173	S1	0.0-0.5	E11-180	S4	5.0-10.0	E11-188	S4	5.0-9.6	E11-196	S3	2.3-5.3
E11-163	S3	2.0-5.0	E11-173	S2	0.5-2.0	E11-181	S1	0.0-0.5	E11-189	S1	0.0-0.5	E11-196	S4	5.3-10.3
E11-163	S4	5.0-10.0	E11-173	S3	2.0~5.0	E11-181	S2	0.5-2.0	E11-189	S2	0.5-2.0			

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Table 1. Soil Sample Information for Phase II and IIb

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#### Table 2. Soil Test Methods Used in Phase II and Ilb

Parameter	Number of Analytes	Method: Preparation Analysis	Description
		3540C	Soxhlet Extraction
Dioxins and furans	17	8290A	High-resolution Gas Chromatography/High Resolution Mass Spectrometry (HRGC/HRMS)
Chlorinated	5	3541	Automated Soxhlet Extraction
herbicides	5	8151A	GC-MS Using Methylation Derivatization
OC posticidos	21	3550C	Ultrasonic Extraction
OC pesticides	21	8270D	GC/MS
OD apatinidan	27	3546	Microwave Extraction
OP pesticides	21	8141B	GC-Flame Photometric Detector
100	67	5035	Closed System Purge and Trap
VOCs	67	8260B	GC/MS
0.000-	59	3541	Automated Soxhlet Extraction
SVOCs	59	8270D	GC/MS
1		3050B	Acid Digestion
RCRA Metals (total)	8	6010C	Inductively Coupled Plasma-Atomic Emission Spectrometry
		7471B mercury	Cold Vapor Technique

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	Boreh	ole →	E11-154	E11-154	E11-155	E11-155	E11-156	E11-156	E11-156	E11-157	E11-157	E11-157
No	Sample	ID →	S1	\$2	S1	<b>S</b> 2	S1	S2	S3	S1	S2	S3
	Analyte↓ Depth	, m →	0.0~0.5	~2.3	0.0~0.5	~1.8	0.0~0.5	~2.0	~6.45	0.0~0.5	~2.0	~4.5
1	2,3,7,8-TCDD pg/	'g	ND	NÐ	ND	ND	ND	0.085 J EMPC	ND	ND	ND	ND
2	1,2,3,7,8-PeCDD pg/	g	0.154 J	ND	ND	0.109 J EMPC	ND	NÐ	ND	ND	ND	ND
3	1,2,3,4,7,8-HxCDD pg/	g	0.247 J	ND	ND	0.087 J	NÐ	ND	0.175 J EMPC	ND	ND	ND
4	1,2,3,6,7,8-HxCDD pg/	g	0.175 J EMPC	ND	ND	0.12 J EMPC	ND	ND	ND	ND	NÐ	ND
5	1,2,3,7,8,9-HxCDD pg/	'g	0.354 J	ND	ND	0.144 J EMPC	ND	0.222 J	0.43 J	ND	NÐ	ND
6	1,2,3,4,6,7,8-HpCDD pg/	g	1.04 JEMPC	0,429 J	0.877 J	0,945 J EMPC	0.529 J	3.27	12.8	D.791 J	1.21 JEMPC	0.3 J EMP(
7	OCDD pg/	g	24,2	16.3	14,2	36.4	19.3	32.8	523	48.7	39,7	13.4
8	2,3,7,8-TCDF pg/	g	ND	ND	ND	ND	٨D	ND	NÐ	ND	ND	ND
9	1,2,3,7,8-PeCDF pg/	g	0.226 J	ND	0.157 J	0,141 J	NÐ	0.277 J EMPC	ND	ND	ND	0.042 J EMPC
10	2,3,4,7,8-PeCDF pg/	g	0.201 J EMPC	ND	0.233 J	0,148 J EMPC	ND	0,918 J EMPC	ND	ND	ND	ND
11	1,2,3,4,7,8-HxCDF pg/	g	0.189 /	NÐ	ND	0.093 J EMPC	ND	0.497 J EMPC	ND	ND	ND	ND
12	1,2,3,6,7,8-HxCDF pg/	g	0,189 J EMPC	ND	0.118 J EMPC	0,135 J	ND	0.472 J	ND	ND	ND	ND
13	1,2,3,7,8,9-HxCDF pg/	g	0.329 J EMPC	ND	0.147 J	0.116 J EMPC	ND	ND	ND	ND	ND	ND
14	2,3,4,6,7,8-HxCDF pg/	g	0.195 J EMPC	ND	0.147 J EMPC	0.118 J EMPC	ND	0.32 J	ND	NÐ	ND	ND
15	1,2,3,4,6,7,8-HpCDF pg/	g	ND	0.096 J	ND	0.239 J	ND	2,25 J	ND	ND	NÐ	ND
16	1,2,3,4,7,8,9-HpCDF pg/	g	ND	NĎ	ND	ND	NÐ	0.385 J EMPC	NÐ	ND	ND	NÐ
17	OCDF pg/	g	ND	NÐ	0.682 J	0.845 J	ND	1.72 J	ND	ND	ND	ND
	WHO-2005 TEQ (ND=0), pg/g	Ì	0.4065	0.0101	0.1290	0.2619	0.0111	0.4087	0.3454	0.0225	0.0240	0.0083

# NOTES:

3: Estimated amount detected between detection limit and reporting limit

EMPC: Estimated maximum possible concentration due to ion raio failure

ND: Not detected

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	Boreho	ie → E11-158	E11-158	E11-158	E11-158	E11-159	E11-159	E11-159	E11-159	E11-160	E11-160
No	Sample	ID → S1	52	S3	S4	S1	<b>S2</b>	S3	S4	S1	S2
	Analyte↓ Depth,	m → 0.0~0.5	~2.0	~5.0	~8.5	0.0~0.5	~2.0	~5.0	~10.0	0.0~0.5	~2.0
1	2,3,7,8-TCDD pg/	S ND	ND	ND	ND	ND	ND	0.168 J EMPC	ND	NÐ	NÐ
2	1,2,3,7,8-PeCDD pg/	g ND	NÐ	ND	ND	ND	ND	ND	ND	ND	ND
3	1,2,3,4,7,8-HxCDD pg/	g ND	ND	ND	ND	NÐ	ND	ND	ND	ND	ND
4	1,2,3,6,7,8-HxCDD pg/	g ND	ND	0.141 J	ND	ND	ND	ND	ND	ND	ND
5	1,2,3,7,8,9-HxCDD pg/	g ND	ND	0.264 J	ND	ND	ND	0.132 3 EMPC	0.171 J EMPC	ND	ND
6	1,2,3,4,6,7,8-HpCDD pg/	; 0.88 J	2.06 J	4.26	2,02 J	0.568 J	0.524 J	1.65 1	15.6	0.635 J	0.373 J EMPO
7	OCDD pg/i	r 19.1	37	118	49.2	11.7	15,4	42:3	616	20.2	13.7
8	2,3,7,8-TCDF pg/i	ND	NÐ	NĎ	ND	ND	ND	ND	ND	0.23 J	ND
9	1,2,3,7,8-PeCDF pg/i	s ND	0.107 J	0.068 J	ND	ND	0.056 J.EMPC	ND	ND	0.082 J EMPC	ND
10	2,3,4,7,8-PeCDF pg/f	0.126 J EMPO	0.131 J	0.082 J EMPC	NÐ	ND	0.076 J	0,082 J	ND	0.088 J EMPC	ND
11	1,2,3,4,7,8-HxCDF pg/	0.083 1	0.162 J	0.08 J	ND	ND	ND	ND	ND	0.071 J	ND
12	1,2,3,6,7,8-HxCDF pg/(	0.092 J EMPO	0.182 J 🗟 🔅	0.08 J	ND	ND	0.069 J EMPC	ND	ND	0.071 J	ND
13	1,2,3,7,8,9-HxCDF pg/(	ND	0.107 J	ND	ND	ND	NÐ	ND	ND	0.079 J EMPC	ND
14	2,3,4,6,7,8-HxCDF pg/f	ND	0.093 J	NĎ	ND	ND	0.042 J EMPC	NÐ	ND	0.067 J	ND
15	1,2,3,4,6,7,8-HpCDF pg/f	0.235 1	0.344 J	0.175 J	ND	0.177 J EMPC	0,151 J	0.113 J	ND	0.167 J	ND
16	1,2,3,4,7,8,9-HpCDF pg/{	ND	ND	ND	ND	NÐ	ND	NÐ	ND	ND	ND
17	OCDF pg/f	NÐ	0.611 J	0.318 J	ND	ND	ND	ND	ND	0.623 J	ND
	WHO-2005 TEQ (ND=0), pg/g	0.0722	0.1322	0.1629	0.0350	0.0110	0.0471	0.2361	0.3579	0.0949	0.0078

# NOTES:

J: Estimated amount detected between detection limit and reporting limit

EMPC: Estimated maximum possible concentration due to ion raio failure

ND: Not detected

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	E	Borehole →	E11-160	E11-161	E11-161	E11-161	E11-161	E11-162	E11-162	E11-163	E11-163	E11-163
No	Sa	ample ID $\rightarrow$	S3	S1	S2	S3	S4	S1	<b>\$2</b>	S1	52	S3
948	Analyte J D	)epth, m →	~3.4	0.0~0.5	~2.0	~5.0	~7.9	0.0~0.5	~1.52	0.0~0.5	~2.0	~5.0
1	2,3,7,8-TCDD	pg/g	ND	ND	NÐ	ND	0.135 J EMPC	ND	ND	ND	ND	ND
2	1,2,3,7,8-PeCDD	pg/g	ND	ND	ND	0.182 J	0.145 J EMPC	NÐ	ND	ND	NĎ	ND
3	1,2,3,4,7,8-HxCDD	pg/g	ND	ND	ND	0.078 J EMPC	ND	NÐ	ND	ND	NÐ	ND
4	1,2,3,6,7,8-HxCDD	pg/g	ND	ND	ND	0.157 J EMPC	ND	ND	ND	ND	ND	ND
5	1,2,3,7,8,9-HxCDD	pg/g	ND	ND	ND	0.251 J	ND	ND	ND	ND	ND	ND
6	1,2,3,4,6,7,8-HpCDD	pg/g	0.38 J EMPC	0.525 J	0,76 J	1,94 J	1.62 J	2,3 J	2,24 J	NÐ	NÐ	ND
7	OCDD	pg/g	13.5	14.9	29	63.9	52.8	81.5	89.7	18.6	20,8	16,5
8	2,3,7,8-TCDF	pg/g	ND	ND	ND	ND	NÐ	ND	NÐ	ND	ND	ND
9	1,2,3,7,8-PeCDF	pg/g	NÐ	ND	ND	ND	ND	ND	ND	ND	ND	0.155 J
10	2,3,4,7,8-PeCDF	pg/g	0.081 J	ND	ND	ND	NĎ	ND	ND	ND	ND	ND
11	1,2,3,4,7,8-HxCDF	pg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12	1,2,3,6,7,8-HxCDF	pg/g	ND	ND	ND	NÐ	ND	ND	ND	ND	ND	ND
13	1,2,3,7,8,9-HxCDF	pg/g	ND	NÐ	NÐ	0.152 J EMPC	0.071 J	ND	ND	ND	ND	ND
14	2,3,4,6,7,8-HxCDF	pg/g	ND	ND	ND	ND	0.075 J EMPC	ND	ND	ND	ND	ND
15	1,2,3,4,6,7,8-HpCDF	pg/g	0,113 3	ND	NÐ	ND	ND	ND	ND	ND	ND	ND
16	1,2,3,4,7,8,9-HpCDF	pg/g	ND	0.221 J	ND	ND	NÐ	ND	ND	NÐ	ND	ND
17	OCDF	pg/g	ND	0,918 J	ND	0.60\$ J	ND	ND	ND	ND	NÐ	ND
	WHO-2005 TEQ (ND=0), p	og/g	0.0332	0.0122	0.0163	0.2846	0.3266	0.0475	0.0493	0.0056	0.0062	0.0096

# NOTES:

J: Estimated amount detected between detection limit and reporting limit

EMPC: Estimated maximum possible concentration due to ion raio failure

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<u>.</u>	B	orehole →	E11-163	E11-164	E11-164	E11-164	E11-164	E11-165	E11-165	E11-165	E11-165	E11-166
No	Sa	mple ID →	S4	S1	S2	53	S4	S1	S2	53	S4	\$1
	Analyte↓ D	epth, m →	~10.0	0.0~0.5	~2.0	~5.0	~11.0	0.0~0.5	~2.0	~5.0	~10.0	0.3~0.8
1	2,3,7,8-TCDD	pg/g	ND	ND	NÐ	0.108 J EMPC	ND	0.077 J EMPC	ND	ND	ND	0.188 J EMPC
2	1,2,3,7,8-PeCDD	pg/g	ND	ND	0.192 J EMPC	ND	ND	ND	ND	ND	ND	0,112 J
3	1,2,3,4,7,8-HxCDD	pg/g	ND	NÐ	ND	ND	ND	ND	ND	NÐ	ND	ND
4	1,2,3,6,7,8-HxCDD	pg/g	ND	ND	0.313 J EMPC	ND	ND	NÐ	ND	ND	ND	ND
5	1,2,3,7,8,9-HxCDD	pg/g	ND	ND	0.375 JEMPC	0.093 J EMPC	ND	ND	ND	ND	ND	ND
6	1,2,3,4,6,7,8-HpCDD	pg/g	ND	ND	0.811 JEMPC	0,422 J	ND	0.996 J	0.892 J	1.79 J EMPC	1.11 J	0.906 )
7	OCDD	pg/g	7.99 EMPC	22.5	34.4	19.1	20.1	24	29.1	40.4	51,5	22.7
8	2,3,7,8-TCDF	pg/g	ND	ND	ND	ND	ND	ND	0.364 J	ND	0.333 J EMPC	ND
9	1,2,3,7,8-PeCDF	pg/g	ND	ND	0.264 J	0.076 J	ND	ND	0.113 J	ND	ND	0.129 J EMPC
10	2,3,4,7,8-PeCDF	pg/g	ND	ND	0.218 J EMPC	0.087 J EMPC	ND	ND	0.159 J EMPC	ND	ND	ND J EMPC
11	1,2,3,4,7,8-HxCDF	pg/g	ND	ND	ND	ND	ND	0.106 J EMPC	ND	ND	ND	0.141 J EMPC
12	1,2,3,6,7,8-HxCDF	pg/g	ND	ND	NÐ	ND	ND	0.087 J EMPC	ND	ND	ND	ND
13	1,2,3,7,8,9-HxCDF	pg/g	ND	ND	ND	ND	NÐ	ND	ND	ND	ND	0.108 J
14	2,3,4,6,7,8-HxCDF	pg/g	ND	ND	ND	ND	ND	0.093 J	ND	ND	ND	0.141 J
15	1,2,3,4,6,7,8-HpCDF	pg/g	ND	ND	ND	ND	ND	0.505 JEMPC	0.253 J EMPC	0.428 J	0.288 J EMPC	ND
16	1,2,3,4,7,8,9-HpCDF	pg/g	ND	ND	ND	ND	ND	ND	ND	ND	NÐ	ND
17	OCDF	pg/g	ND	ND	ND	ND	ND	0,474 J	ND	1,02 ]	ND	0.429 J EMPC
	WHO-2005 TEQ (ND≂0), p	g/g	0.0024	0.0068	0.3526	0.1556	0.0060	0.1277	0.1077	0.0346	0.0627	0.3589

NOTES:

J: Estimated amount detected between detection limit and reporting limit

EMPC: Estimated maximum possible concentration due to ion raio failure

ND: Not detected

	Bor	$\bullet$ ehole $\rightarrow$	E11-166	E11-167	E11-167	E11-167	E11-168	E11-168	E11-169	E11-169	E11-170	E11-170
No	Sam	ple ID $\rightarrow$	S2	S1	S2	S3	S1	<b>S</b> 2	<b>S1</b>	S2	S1	S2
	Analyte↓ Dep	oth, m $\rightarrow$	~2.7	0.0~0.5	~2.0	°.<.∼5,5	0.0~0.5	~3.0	0.0~0.5	~1.8	0.0~0.5	~2.0
1	2,3,7,8-TCDD	pg/g	0.251 J EMPC	NÐ	ND	ND	ND	ND	ND	ND	0.156 J EMPC	0.155 J EMP
2	1,2,3,7,8-PeCDD	pg/g	ND	ND	0.116 J EMPC	ND	ND	ND	0.201 J	ND	0,269 JEMPC	0.451 J
3	1,2,3,4,7,8-HxCDD	pg/g	NÐ	ND	NÐ	NÐ	0.682 J EMPC	ND	ND	ND	0,484 J	0,996 J
4	1,2,3,6,7,8-HxCDD	pg/g	ND	NÐ	ND	ND	ND	ND	ND	NÐ	1,19 J	2.97
5	1,2,3,7,8,9-HxCDD	pg/g	ND	0.143 J	ND	ND	ND	ND	ND	NÐ	0,996 J	2.35 J
6	1,2,3,4,6,7,8-HpCDD p	og/g	ND	4.11 EMPC	3,74	1,14 J EMPC	13	ND	4,66	1.54 J	34,5	76.9
7	0CDD p	og/g	10.2	80,7	70,1	54.5	132	9.35 EMPC	66	57.6	306	639
8	2,3,7,8-TCDF f	og/g	ND	2.26	ND	NO	ND	ND	ND	ND	21.3	16.4
9	1,2,3,7,8-PeCDF p	og/g	ND	0,375 J EMPC	0.243 J EMPC	ND	0.525 J EMPC	ND	ND	ND	2.67	2.07 J
10	2,3,4,7,8-PeCDF p	og/g	ND	0.254 J EMPC	0.152 J	ND	0.42 J	ND	NÐ	ND	1.61 J	1.41 J
11	1,2,3,4,7,8-HxCDF p	og/g	ND	0.356 J EMPC	0.297 J	ND	0.882 J EMPC	ND	0.481 J	ND	1.46 J	1.51 J
12	1,2,3,6,7,8-HxCDF p	vg/g	ND	ND	0,205 J EMPC	ND	NÐ	ND	0.397 J	ND	0.544 J EMPC	D.895 J
13	1,2,3,7,8,9-HxCDF p	og/g	ND	ND	ND	ND	ND	ND	ND	ND	0.324 J	0.328 JEMP(
14	2,3,4,6,7,8-HxCDF p	pg/g	ND	ND	ND	ND	0.397 J	ND	0.371 J	ND	0.521 J	0.899 J
15	1,2,3,4,6,7,8-HpCDF p	og/g	ND	1.67 J EMPC	1,58 J	ND	3.37	ND	2.4	NÐ	7.6	15.1
16	1,2,3,4,7,8,9-HpCDF p	og/g	ND	ND	ND	ND	ND	ND	0.45 J	NÐ	0.52 JEMPC	0.917 J
17	OCDF p	og/g	ND	3.49 J	2.77 \$	0.409 J EMPC	7.43	NÐ	5.15	ND	14,5	28.5
	·····											
	WHO-2005 TEQ (ND=0), pg/	'g	0.2541	0.4464	0.2942	0.0279	0.5434	0.0029	0.4223	0.0327	4.1924	4.8553

#### NOTES:

J: Estimated amount detected between detection limit and reporting limit EMPC: Estimated maximum possible concentration due to ion raio failure ND: Not detected

	Bor	ehole $\rightarrow$	E11-170	E11-170	E11-171	E11-171	E11 171	E11-172	E11-172	E11-172	E11-172	E11-173
No	Sam	ple ID $\rightarrow$	S3	S4	S1	<b>\$2</b>	S3	S1	S2	S3	S4	<b>S1</b>
	Analyte J Dep	ith, m $\rightarrow$	~5.0	~7.5	0.0~0.5	~2.0	~6.5	0.0~0.5	~2.0	~5.0	~8.7	0.0~0.5
1	2,3,7,8-TCDD p	og/g	NÐ	ND	ND	ND	7.44	ND	ND	ND	ND	ND
2	1,2,3,7,8-PeCDD p	og∕g	ND	ND	ND	ND	0.503 J EMPC	ND	ND	ND	ND	0.618 J
3	1,2,3,4,7,8-HxCDD p	og/g	ND	NÐ	0.36 J EMPC	0,322 J	0.685 1	NÐ	ND	ND	ND	0.639 J
4	1,2,3,6,7,8-HxCDD p	og/g	ND	ND	0.927 J	ND	2,52 J	ND	ND	ND	ND	-2.2 )
5	1,2,3,7,8,9-HxCDD p	og/g	NÐ	ND	0.567 J	ND	1.66 /	ND	ND	ND	ND	1.3 J
6	1,2,3,4,6,7,8-HpCDD p	og/g	0.708 1	1,68 J	26.5	8,17	\$5.5	6.94	ND	0,633 J EMPC	ND	49.1
7	OCDD p	og/g	35,9	82.9	247	81.5	576	101	22.4	20.2	34.4	387
8	2,3,7,8-TCDF p	vg/g	NÐ	0.359 J EMPC	ND	ND	ND	1.14 EMPC	ND	ND	ND	3.09
9	1,2,3,7,8-PeCDF p	e/g	ND	ND	ND	ND	0.379 J	ND	ND	ND	ND	1,08 J
10	2,3,4,7,8-PeCDF p	g/g	0.063 J	NÐ	0.45 JEMPC	0.294 J EMPC	0.904 1	ND	ND	ND	ND	1,18 J
11	1,2,3,4,7,8-HxCDF p	og/g	ND	ND	0,807 1	0.232 J	1.72 J	ND	ND	ND	NÐ	1,51 )
12	1,2,3,6,7,8-HxCDF p	g/g	ND	ND	0.539 J EMPC	ND	1.07 J	NÐ	ND	ND	ND	1.19 J
13	1,2,3,7,8,9-HxCDF p	g/g	ND	ND	0.258 J	ND	0.448 J	NÐ	ND	ND	ND	0.403 J
14	2,3,4,6,7,8-HxCDF p	g/g	ND	NÐ	0.499 J	NÐ	1.17.1	ND	ND	ND .	ND	1,2 J
15	1,2,3,4,6,7,8-HpCDF p	g/g	0.086 JEMPC	ND	7.21	1.55 J	18.4	1.73 J	ND	ND	ND	14.3
16	1,2,3,4,7,8,9-HpCDF p	g/g	NÐ	ND	ND	ND	1.16 J	ND	ND	ND	ND	1.02 J
17	OCDF p	g/g	ND	ND	16,3	2,91 J	36.8	5.73 EMPC	ND	ND	ND	41.1
	WHO-2005 TEQ (ND≈0), pg/	g	0.0375	0.0776	0.9468	0.2661	10.0873	0.2327	0.0067	0.0124	0.0103	2.9302

#### NOTES:

J: Estimated amount detected between detection limit and reporting limit EMPC: Estimated maximum possible concentration due to ion raio failure ND: Not detected

		10le →	E11-173	E11-173	E11-173	E11-174	E11-174	E11-174	E11-174	E11-175	E11-175	E11-175
No	Sampl	e ID →	52	\$3	S4	S1	S2	\$3	S4	S1	S2	S3
	Analyte J Depth	ı, m →	~2.0	~5.0	~10.0	0.3~0.8	~2.3	2.3~5.3	~8.9	0.0~0,5	~2.0	~5.0
1	2,3,7,8-TCDD pg	/g	NÐ	ND	ND	0.312 J EMPC	ND	ND	ND	ND	ND	ND
2	1,2,3,7,8-PeCDD pg	/g	0,143 J	NÐ	ND	ND	ND	ND	ND	0.395 J EMPC	ND	ND
3	1,2,3,4,7,8-HxCDD pg	/g	ND	ND	ND	0.301 J EMPC	NÐ	ND	ND	0.46 J	ND	ND
4	1,2,3,6,7,8-HxCDD pg	/g	ND	NĎ	NÐ	1.05 J EMPC	0.275 J	NÐ	ND	1.41 J	ND	0.068 J EMPC
5	1,2,3,7,8,9-HxCDD pg	/g	ND	ND	ND	0.608 J EMPC	0.163 J EMPC	NO	0.079 J EMPC	0.85 )	ND	0.116 J
6	1,2,3,4,6,7,8-HpCDD pg	/g	2.4 J	1.11 J	0.483 J EMPC	23.8	6.15	ND	0.751 JEMPC	21.6	1.54 J	1.17 J EMPC
7	OCDD pg	/g	106	28.2	9.68	240	72.6	4.09 J	17.9	134	35,5	20,8
8	2,3,7,8-TCDF pg,	/g	0.271 J	0.28 J	0.289 J EMPC	ND	ND	ND	ND	0.607	ND	ND
9	1,2,3,7,8-PeCDF pg,	/g	ND	NÐ	ND	NÐ	ND	ND	ND	0.894 J	ND	0,07 J EMPC
10	2,3,4,7,8-PeCDF pg,	/g	0,254 J	0,156 J	ND	ND	ND	ND	0.088 J EMPC	1,3 J	ND	0.104 J
11	1,2,3,4,7,8-HxCDF pg,	/g	0.198 J	0.139 J EMPC	NÐ	0.535 J EMPC	ND	ND	ND	1.95 J EMPC	ND	0,076 J EMPC
12	1,2,3,6,7,8-HxCDF pg/	/g	0,211 J	0.128 JEMPC	ND	0.457 J	ND	NÐ	ND	1.17 J	ND	0.091 J
13	1,2,3,7,8,9-HxCDF pg/	/g	ND	ND	ND	NÐ	ND	ND	ND	0.617 J	ND	NÐ
14	2,3,4,6,7,8-HxCDF pg/	/g	0.137 J	ND	ND	0,477 3	ND	ND	ND	1.12 JEMPC	ND	NÐ
15	1,2,3,4,6,7,8-HpCDF pg/	/g	0.504 J EMPC	0.323 J	NÐ	7.1	1.82 /	ND	ND	9.42	ND	0.753 J EMPC
16	1,2,3,4,7,8,9-HpCDF pg/	/g	ND	NÐ	ND	0.486 J EMPC	ND	ND	ND	ND	ND	NÐ
17	OCDF pg/	/g	1.23 J	ND	ND	13.3	3.61 J	ND	ND	6.76	ND	0.87 J EMPC
	WHO-2005 TEQ (ND=0), pg/g	Ĩ	0.3651	0.1243	0.0366	1.0447	0.1464	0.0012	0.0471	1.9836	0.0261	0.0941

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# NOTES:

J: Estimated amount detected between detection fimit and reporting limit EMPC: Estimated maximum possible concentration due to ion raio failure

ND: Not detected

	Boreho	le → E11-175	E11-176	E11-176	E11-176	E11-176	E11-177	E11-177	E11-177	E11-177	E11-178
No	Sample	ID → S4	S1	S2	S3	.S4	S1	S2	S3	S4	S1 ····
	Analyte↓ Depth,	m → ~7.25	0.0~0.5	~2.0	~5.0	~10.0	0.4~0.9	~2.4	~5.4	~9.0	0.0~0.5
1	2,3,7,8-TCDD pg/	0.129 J EMP(	0.201 J EMPC	0.135 J EMPC	ND	ND	0.317 J EMPC	ND	ND	ND	0.207 J EMPO
2	1,2,3,7,8-PeCDD pg/	0.042 J EMP(	0.284 J	ND	0.168 J	ND	0,531 J EMPC	NÐ	ND	ND	ND
3	1,2,3,4,7,8-HxCDD pg/	S ND	0.358 J	ND	ND	ND	0.628 J EMPC	ND	ND	ND	0.491 ) EMPO
4	1,2,3,6,7,8-HxCDD pg/	ND	1.16 J	0.308 J EMPC	ND	ND	1,93 J	ND	ND	ND	1.94 J
5	1,2,3,7,8,9-HxCDD pg/	ND	0.631 J EMPC	ND	ND	ND	1.49 J	ND	ND	ND	0.583 )
6	1,2,3,4,6,7,8-HpCDD pg/1	0.771 J	24.8	4:44	0.576 J	0.872 J EMPC	53.7	2.49 EMPC	0.672 JEMPC	1.05 J	46.5
7	OCDD pg/j	37.2	208	67	13.9	9.97	457	44.1	32,1	20,3	278
8	2,3,7,8-TCDF pg/s	ND	3,86	0.5 J	ND	0.21 J EMPC	ND	NÐ	ND	ND	1.02
9	1,2,3,7,8-PeCDF pg/g	0.06 J EMPC	0.604 J	ND	ND	ND	NÐ	ND	ND	ND	0.274 JEMPC
10	2,3,4,7,8-PeCDF pg/(	0.078 J	0.566 J EMPC	0.251 J	ND	ND	ND	ND	0.098 J	NĎ	0.784 J
11	1,2,3,4,7,8-HxCDF pg/(	0.04 JEMPO	0.698 J EMPC	0.261 J EMPC	0.141 J	ND	0,925 J	0.333 J EMPC	NÐ	ND	0.958 J
12	1,2,3,6,7,8-HxCDF pg/f	ND	0.495 J EMPC	0.217 J	0.17 JEMPC	ND	0,645 JEMPC	0.277 JEMPC	ND	ND	0.737 J
13	1,2,3,7,8,9-HxCDF pg/f	ND	0,307 J	ND	ND	ND	ND	NÐ	ND	NÐ	ND
14	2,3,4,6,7,8-HxCDF pg/{	ND	0.517 J	0.118 J	0.121 J	ND	0.912 J	0.233 J	ND	NÐ	0.993 J
15	1,2,3,4,6,7,8-HpCDF pg/g	0.178 J EMPC	7.98	1.25 J	0.152 J EMPC	ND	11.4	1.43 J EMPC	ND	ND	19.7
16	1,2,3,4,7,8,9-HpCDF pg/g	ND	ND	ND	ND	ND	0.601 J EMPC	ND	ND	ND	0.727 J EMPC
17	OCDF pg/g	0.278 J	23.6	2.74 J EMPC	ND	ND	23,7	2.88 J	ND	ND	20.2
	WHO-2005 TEQ (ND≈0), pg/g	0.2211	1.8728	0.4285	0.2227	0.0327	2.3022	0.1376	0.0457	0.0166	1.8814

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# NOTES:

J: Estimated amount detected between detection limit and reporting limit EMPC: Estimated maximum possible concentration due to ion raio failure ND: Not detected

	Bore	ehole $\rightarrow$	E11-178	E11-178	E11-178	E11-179	E11-179	E11-179	E11-179	E11-180	E11-180	E11-180
No	Samp	ole ID 🔿	S2	\$3	S4	\$1	\$2	S3	<b>S4</b>	<b>S1</b>	S2	S3
	Analyte J Dep	th, m →	~2.0	~5.0	~10.0	0.0~0.5	~2.0	~5.0	~10.0	0.0~0.5	~2.0	~5.0
1	2,3,7,8-TCDD p	e/g	0.092 J EMPC	NÐ	NÐ	ND	ND	0.118 JEMPC	NÐ	ND	ND	ND
2	1,2,3,7,8-PeCDD p	g/g	ND	ND	ND	0.267 J EMPC	ND	0.085 J	ND	ND	ND	NÐ
3	1,2,3,4,7,8-HxCDD p	g/g	ND	ND	ND	ND	NÐ	ND	ND	NÐ	ND	NĎ
4	1,2,3,6,7,8-HxCDD p	g/g	ND	ND	ND	0,28 )	ND	ND	ND	0.287 JEMPC	NÐ	ND
5	1,2,3,7,8,9-HxCDD p	g/g	0.286 J	NÐ	NÐ	ND	ND	0.108 J EMPC	ND	0,178 J	ND	ND
6	1,2,3,4,6,7,8-HpCDD p	g/g	0.971 J	0,793 /	1,57 )	S.04 EMPC	1.15 J	0.481 J	1,91 J	6.71	0.649 J EMPC	3.13
7	OCDD p	g/g	37,1	31.2	62,3	63.9	40.3	11.5	59	83.4	26.8	67.8
8	2,3,7,8-TCDF p	g/g	ND	ND	ND	0.642 EMPC	0.338 J	0.179 J EMPC	ND	ND	ND	ND
9	1,2,3,7,8-PeCDF p	g/g	0.123 J EMPC	ND	NÐ	ND	ND	ND	ND	NÐ	ND	ND
10	2,3,4,7,8-PeCDF p	g/g	0.119 J EMPC	ND	ND	0.238 J EMPC	ND	0.099 J EMPC	0.096 J EMPC	ND	ND	NÐ
11	1,2,3,4,7,8-HxCDF p	g/g	0.092 J	ND	ND	0.228 J EMPC	ND	0.089 J	ND	ND	NĎ	ND
12	1,2,3,6,7,8-HxCDF p	g/g	0.083 J	ND	0.081 J EMPC	D.22 J EMPC	ND .	0.067 J EMPC	ND	ND	ND	ND
13	1,2,3,7,8,9-HxCDF p	g/g	0.083 J EMPC	ND	ND	NÐ	ND	ND	ND	ND	ND	ND
14	2,3,4,6,7,8-HxCDF p	g/g	NÐ	ND	ND	NÐ	ND	0.061 J EMPC	ND	ND	ND	ND
15	1,2,3,4,6,7,8-HpCDF p	g/g	0.181 J	0.382 J EMPC	0.239 J EMPC	2 J	0.249 J	0,112 1	ND	2.22 J	ND	0.721 J EMPC
16	1,2,3,4,7,8,9-HpCDF p	g/g	ND	ND	ND	ND	ND	ND	ND	NÐ	ND	NÐ
17	OCDF PI	g/g	0.729 J	ND	ND	5.83	ND	ND	ND	4.65	ND	3.95 J EMPC
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	WHO-2005 TEQ (ND≂0), pg/g	<b>y</b>	0.2084	0.0185	0.0449	0.5667	0.0599	0.2928	0.0656	0.1622	0.0145	0.0600

#### NOTES:

J: Estimated amount detected between detection limit and reporting limit EMPC: Estimated maximum possible concentration due to ion raio failure ND: Not detected

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	В	iorehole $\rightarrow$	E11-180	E11-181	E11-181	E11-181	E11-182	E11-182	E11-182	E11-182	E11-183	E11-183
No	Sa	imple ID →	<b>\$4</b>	S1	S2	S3	S1	\$2	S3	54	<b>S1</b>	S2
	Analyte↓ D	epth, m →	~10.0	0.0~0.5	~2.0	~5,0	0.0~0.5	~2.0	~5.0	<b>^10.0</b>	0.0~0.5	~2.0
1	2,3,7,8-TCDD	pg/g	ND	0.57	ND	ND	ND	ND	ND	ND	ND	ND
2	1,2,3,7,8-PeCDD	pg/g	ND	ND	ND	NÐ	ND	ND	ND	ND	ND	ND
3	1,2,3,4,7,8-HxCDD	pg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4	1,2,3,6,7,8-HxCDD	pg/g	ND	0.356 J EMPC	NÐ	ND						
5	1,2,3,7,8,9-HxCDD	pg/g	ND	ND	ND	ND	ND	NÐ	ND	ND	ND	ND
6	1,2,3,4,6,7,8-HpCDD	pg/g	0.579 J.EMPC	7.97	0.559 J	0.821 J EMPC	1.35 J EMPC	1.96 J	2,14 J	0.798 J	0.857 JEMPC	0.327 J EMPC
7	OCDD	pg/g	16,7	69	23.6	31.9	32.9	54.1	41.3	26.3	38.6	17,1
8	2,3,7,8-TCDF	pg/g	ND	ND	NÐ	ND	0.338 J EMPC	0.327 J EMPC	0.369 J EMPC	0.437 J	0.257 J	0.333 J
9	1,2,3,7,8-PeCDF	pg/g	ND	NÐ	ND	ND .	ND	NÐ	ND	ND	ND	ND
10	2,3,4,7,8-PeCDF	pg/g	ND	0.222 J	ND	NÐ	ND	ND	NÐ	ND	ND	0.13 J
11	1,2,3,4,7,8-HxCDF	pg/g	ND	ND	NÐ	ND						
12	1,2,3,6,7,8-HxCDF	pg/g	ND	NÐ	ND	ND	ND	ND	ND	ND	ND	ND
13	1,2,3,7,8,9-HxCDF	pg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
14	2,3,4,6,7,8-HxCDF	pg/g	NÐ	ND	ND	ND	ND	NÐ	ND .	ND	ND	ND
15	1,2,3,4,6,7,8-HpCDF	pg/g	ND	1.93 J	ND	0.185 J EMPC	0.426 J	0.561 J	0.617 J EMPC	ND	0.228 J EMPC	ND
16	1,2,3,4,7,8,9-HpCDF	pg/g	ND	ND	ND	ND	ND	ND	NÐ	ND	ND	ND
17	OCDF	pg/g	ND	3.46 J	ND	ND	0.648 J	1,07 J	ND	ND	ND	ND
	WHO-2005 TEQ (ND≈0), p	g/g	0.0108	0.7929	0.0127	0.0196	0.0616	0.0745	0.0769	0.0596	0.0481	0.0807

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#### NOTES:

J: Estimated amount detected between detection limit and reporting limit  $\mathsf{EMPL}$ : Estimated maximum possible concentration due to ion raio failure

		Borehole $\rightarrow$	E11-183	E11-183	E11-184	E11-184	E11-184	E11-184	E11-185	E11-185	E11-185	E11-185
No	Sa	ample ID →	S3	S4	S1	S2	S3	S4	S1	S2	53	S4
	Analyte↓ D	Depth, m $\rightarrow$	~5.0	~10.0	0.0~0.5	~2.0	~5.0	~8.75	0.0~0.5	~2.0	~5.0	~8,8
1	2,3,7,8-TCDD	pg/g	ND	ND	0,502 EMPC	ND	ND	ND	0.058 J EMPC	0.08 JEMPC	0.121 J EMPC	ND
2	1,2,3,7,8-PeCDD	pg/g	ND	ND	0.208 J	ND	ND	ND	0.051 J	ND	ND	ND
3	1,2,3,4,7,8-HxCDD	pg/g	ND	NÐ	ND	ND	NÐ	ND	0.053 J	ND	ND	ND
4	1,2,3,6,7,8-HxCDD	pg/g	ND	ND	0.502 J EMPC	ND	ND	ND	0.085 J EMPC	ND	ND	ND
5	1,2,3,7,8,9-HxCDD	pg/g	ND	ND	0.506 J EMPC	ND	ND	ND	0.074 J	ND	ND	ND
6	1,2,3,4,6,7,8-HpCDD	pg/g	ND	0.749 J	12.2	1,71 J	ND	ND	1.28 J	0.966 J EMPC	0,587 J	ND
7	OCDD	pg/g	15.2	31,8	81.5	30	11.1	2.7 J	29.8	30.1	23.5	5.98
8	2,3,7,8-TCDF	pg/g	0.177 }	ND	0.969	ND	0,245 J EMPC	0,206 J	ND	0.241 J	ND	ND
9	1,2,3,7,8-PeCDF	pg/g	ND	ND	0.868 J	NÐ	ND	ND	ND	ND	0.094 J EMPC	ND
10	2,3,4,7,8-PeCDF	pg/g	ND	NÐ	1.42 J	ND	ND	ND	ND	ND	0.123 J EMPC	ND
11	1,2,3,4,7,8-HxCDF	pg/g	ND	NĎ	1.26 JEMPC	ND	ND	ND	ND	ND	0.121 JEMPC	ND
12	1,2,3,6,7,8-HxCDF	pg/g	ND	ND	0.71 J	NÐ	ND	ND	ND	ND	0,16 J	ND
13	1,2,3,7,8,9-HxCDF	pg/g	ND	ND	ND	ND	ND	ND	ND	ND	0.065 J EMPC	ND
14	2,3,4,6,7,8-HxCDF	pg/g	ND	ND	0.588 J EMPC	ND	ND	ND	0.053 J	ND	ND	ND
15	1,2,3,4,6,7,8-HpCDF	pg/g	NÐ	ND	2.25 J EMPC	0.482 J	0.349 J	ND	ND	ND	0.31 JEMPC	ND
16	1,2,3,4,7,8,9-HpCDF	pg/g	ND	ND	ND	ND	ND	ND	0.084 J EMPC	ND	ND	ND
17	OCDF	pg/g	ND	ND	3.18 3	1.62 J	ND	NÐ	0.66 J	0.379 J EMPC	ND	ND
	WHO-2005 TEQ (ND=0), p	g/g	0.0223	0.0170	1.7854	0.0314	0.0313	0.0214	0.1688	0.1232	0.2113	0.0018

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#### NOTES:

J: Estimated amount detected between detection limit and reporting limit EMPC: Estimated maximum possible concentration due to ion raio failure

	Bore	hole $\rightarrow$	E11-186	E11-186	E11-186	E11-186	E11-187	E11-187	E11-187	E11-187	E11-188	E11-188
No	Samp	ie ID →	S1	S2	53	S4	S1	S2	S3	S4	S1	S2
	Analyte J Dept	h, m →	0.0~0.5	~2.0	~5.0	~8.0	0.0~0.5	~2,0	~5.0	~10.0	0.0~0.5	~2.0
1	2,3,7,8-TCDD p	g/g	0.163 / EMPC	ND	NÐ	ND	ND	ND	ND	ND	ND	ND
2	1,2,3,7,8-PeCDD p	g/g	0.355 J EMPC	0,172 J	0.085 J EMPC	ND	ND	ND	ND	ND	ND	ND
3	1,2,3,4,7,8-HxCDD p	g/g	0.18 J EMPC	0.166 J EMPC	ND	ND	NĎ	ND	NÐ	ND	ND	NÐ
4	1,2,3,6,7,8-HxCDD p	g/g	0.336 (	0,182 J	ND	ND	ND	NĎ	ND	ND	NÐ	0.352 J
5	1,2,3,7,8,9-HxCDD p	g/g	0.252 J	0,135 J EMPC	ND	ND	ND	NĎ	ND	ND	ND	ND
6	1,2,3,4,6,7,8-HpCDD p	3/g	3.81	1.54 j	0.522 J	0.352 J EMPC	1.27 J EMPC	2.48 J	0.752 J	0.596 J	4.18 EMPC	8.16
7	OCDD p	g/g	54.1	32.8	19.2	9.75 EMPC	23.6	49.1	26.9	11.9	80,4	99,3
8	2,3,7,8-TCDF p(	s/g	NÐ	ND	ND	ND	ND	ND	NÐ	ND	ND	NĎ
9	1,2,3,7,8-PeCDF p{	s/s	ND	ND	ND	ND	ND	0.248 J	ND	ND	0.185 J	0.502 J
10	2,3,4,7,8-PeCDF pf	s/g	ND	ND	ND	ND	ND	0,194 J	0.129 JEMPC	ND	NÐ	0.261 J EMPO
11	1,2,3,4,7,8-HxCDF pg	s/g	ND	ND	ND	ND	NÐ	0.476 JEMPC	ND	ND	ND	1.03 J
12	1,2,3,6,7,8-HxCDF pf	s/g	ND	ND	ND	ND	ND	0.285 J EMPC	ND	NÐ	ND	0,433 J EMPO
13	1,2,3,7,8,9-HxCDF pg	s/g	0.19 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
14	2,3,4,6,7,8-HxCDF pg	/g	0,853 J	0.126 JEMPC	ND	ND	ND	ND	ND	ND	0.265 1	D.386 J
15	1,2,3,4,6,7,8-HpCDF pg	/g	2.01 J	NÐ	ND	ND	0.611 J EMPC	2,07 J	ND	ND	1.74 JEMPC	3,57
16	1,2,3,4,7,8,9-HpCDF pg	/g	0.367 J EMPC	ND	ND	ND	ND	ND	ND	ND	ND	0.95 J EMPC
17	OCDF pg	/g	4.06 J	1.45 J	ND	ND	1.48 J	4.12 J	0.746 J	ND	3.8 J	12.6
	WHO-2005 TEQ (ND=0), pg/g		0.7284	0.2586	0.0964	0.0064	0.0263	0.2032	0.0545	0.0095	0.1165	0.4738

# NOTES:

I: Estimated amount detected between detection limit and reporting limit

EMPC: Estimated maximum possible concentration due to ion raio failure

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		Borehole $\rightarrow$	E11-188	E11-188	E11-189	E11-189	E11-189	E11-189	E11-190	E11-190	E11-190	E11-190
No		Sample ID $ ightarrow$	S3	S4	S1	S2	S3	S4	<b>S1</b>	<b>S2</b>	S3	<u>\$</u> 4
	Analyte↓	Depth, m $\rightarrow$	~5.0	~9.6	0.0~0.5	~2.0	~5,0	~10.0	0.0~0.5	~2.0	~5,0	~10,0
1	2,3,7,8-TCDD	pg/g	ND	NÐ	0.174 J EMPC	ND	ND	ND	ND	ND	ND	ND
2	1,2,3,7,8-PeCDD	pg/g	ND	ND	ND	ND	ND	NÐ	ND	ND	ND	ND
3	1,2,3,4,7,8-HxCDD	pg/g	ND	ND	ND	ND	ND	ND	NÐ	ND	ND .	ND
4	1,2,3,6,7,8-HxCDD	pg/g	ND	ND	ND	ND	NÐ	ND	ND	NÐ	ND	ND
5	1,2,3,7,8,9-HxCDD	pg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
6	1,2,3,4,6,7,8-HpCDD	pg/g	0.441 J	0.346 J EMPC	1,69 J	1.18 J	ND	ND	0.274 J	0.511 J	0.686 J EMPC	ND
7	OCDD	pg/g	21,9	8.38	47.6	23	28.1	16.6	8,13	17.5	16.5	ND
8	2,3,7,8-TCDF	pg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9	1,2,3,7,8-PeCDF	pg/g	ND	ND	0.276 J.EMPC	0.293 J EMPC	ND	ND	ND	ND	ND	ND
10	2,3,4,7,8-PeCDF	pg/g	ND	ND	0.145 J EMPC	0.194 J EMPC	ND	ND	ND	ND	ND	ND
11	1,2,3,4,7,8-HxCDF	pg/g	ND	ND	0.477 J EMPC	0,398 3	ND	ND	NÐ	ND	ND	ND
12	1,2,3,6,7,8-HxCDF	pg/g	ND	ND	0.268 J EMPC	0.23 J	ND	ND	ND	ND	ND	NÐ
13	1,2,3,7,8,9-HxCDF	pg/g	ND	ND	ND	NÐ	ND	NÐ	ND	ND	NÐ	ND
14	2,3,4,6,7,8-HxCDF	pg/g	ND	ND	NÐ	ND	ND	ND	ND	ND	ND	ND
15	1,2,3,4,6,7,8-HpCDF	pg/g	ND	ND	1.7 j	1.39 J EMPC	ND	ND	ND	ND	ND	ND
16	1,2,3,4,7,8,9-HpCDF	pg/g	NÐ	ND	0,301 ) EMPC	ND	NÐ	ND	ND	ND	ND	ND
17	OCDF	pg/g	ND	ND	2,72 J	1,9 J	ND	ND	ND	ND	0.397 J	ND
	WHO-2005 TEQ (ND=0),	pg/g	0.0110	0.0060	0.3523	0.1630	0.0084	0.0050	0.0052	0.0104	0.0119	0.0000

#### NOTES:

 $J_{\mathbb{C}}$  Estimated amount detected between detection limit and reporting limit

EMPC: Estimated maximum possible concentration due to ion raio failure

ND: Not detected

	Во	orehole →	E11-191	E11-191	E11-191	E11-191	E11-192	E11-192	E11-192	E11-192	E11-193	E11-193
No	San	nple ID $\rightarrow$	S1	52	\$3	<b>S</b> 4	S1	52	53	S4	S1	S2
	Analyte↓ De	pth, m $\rightarrow$	0.0~0.5	~2,0	~5.0	~7.7	0.0~0.5	~2.0	~5.0	~10.0	0.0~0.5	~2.0
1	2,3,7,8-TCDD	pg/g	0.236 J EMPC	NÐ	0.272 J EMPC	ND	ND	ND	ND	ND	ND	ND
2	1,2,3,7,8-PeCDD	pg/g	ND	ND	0.389 J EMPC	ND	ND	ND	NÐ	ND	ND	0.093 J EMPO
3	1,2,3,4,7,8-HxCDD	pg/g	ND	ND	0.353 JEMPC	ND	ND	ND	ND	NÐ	ND	ND
4	1,2,3,6,7,8-HxCDD	pg/g	ND	ND	0,491 J	ND	ND	NÐ	ND	ND	ND	ND
5	1,2,3,7,8,9-HxCDD	pg/g	ND	ND	0.599 J EMPC	ND	ND	ND	ND	ND	ND	ND
6	1,2,3,4,6,7,8-HpCDD	pg/g	0.535 J EMPC	1.64 J	0.787 J	ND	0.716 J	0.247 J	ND	0.659 J	0.92 J EMPC	0.605 J
7	OCDD	pg/g	14,9	30,2	1.9 J EMPC	ND	15.7	10.3	22.7	16.1	20.7	20,2
8	2,3,7,8-TCDF	pg/g	ND	ND	ND	0.483 J	ND	NÐ	ND	ND	ND	ND
9	1,2,3,7,8-PeCDF	pg/g	ND	ND	0,593 J EMPC	ND	ND	ND	ND	ND	ND	0.076 3
10	2,3,4,7,8-PeCDF	pg/g	ND	ND	ND	ND	0,113 J	0.077 J EMPC	ND	0,085 )	0.103 J	0.102 J EMPC
11	1,2,3,4,7,8-HxCDF	pg/g	ND	0.12 JEMPC	0,421 J	NÐ	ND	ND	ND	ND	0.088 J	ND
12	1,2,3,6,7,8-HxCDF	pg/g	ND	0.092 J	0.455 J	ND	ND	NÐ	ND	ND	ND	ND
13	1,2,3,7,8,9-HxCDF	pg/g	ND	ND	0.451 J	ND	0,156 /	ND	ND	ND	ND	ND
14	2,3,4,6,7,8-HxCDF	pg/g	ND	-0.09 J	0.379 )	ND	0,139 J	ND	NO	ND	NÐ	ND
15	1,2,3,4,6,7,8-HpCDF	pg/g	ND	0.93 J	ND	ND	ND	0.104 J	ND	0.206 J	NÐ	ND
16	1,2,3,4,7,8,9-HpCDF	pg/g	ND	ND	0.543 J	ND	ND	ND	ND	ND	ND	ND
17	OCDF	pg/g	ND	1,66 J	1.31 J EMPC	ND	ND	ND	ND	0.502 J EMPC	0.382 J	ND
	WHO-2005 TEQ (ND=0), pg,	/g	0.2458	0.0654	1.0062	0.0483	0.0753	0.0298	0.0068	0.0390	0.0552	0.1383

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# NOTES:

J: Estimated amount detected between detection limit and reporting limit

EMPC: Estimated maximum possible concentration due to ion raio failure

ND: Not detected

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	Bor	ehole →	E11-193	E11-193	E11-194	E11-194	E11-194	E11-194	E11-195	E11-195	E11-195	E11-195
No	Sam	ple ID →	S3	S4	S1	S2	S3	S4	\$1	S2	S3	S4
	Analyte↓ Dep	ith, m $\rightarrow$	~5.0	~8,6	0,3~0.8	~2.0	~5.0	~10.0	0.3~0.8	~2.0	~5.0	~10.0
1	2,3,7,8-TCDD	og/g	0.174 J EMPC	ND	ND	ND	NÐ	ND	0.192 J EMPC	ND	ND	ND
2	1,2,3,7,8-PeCDD p	og/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3	1,2,3,4,7,8-HxCDD ;	og/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4	1,2,3,6,7,8-HxCDD	og/g	ND	ND	ND	ND	ND	ND	ND	ND	NÐ	ND
5	1,2,3,7,8,9-HxCDD p	og/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
6	1,2,3,4,6,7,8-HpCDD p	og/g	ND	1.39 J EMPC	19.7	ND	ND	NÐ	0.741 J	0,803 J EMPC	24.3	15.3
7	OCDD F	og∕g	4.37 JEMPC	7,18	146	1.89 J	ND	1.05 J EMPC	26	43	1960	1300
8	2,3,7,8-TCDF p	og/g	ND	ND	ND	-0.451 J	0.25 J	0.372 J EMPC	0,236 J	NÐ	ND	ND
9	1,2,3,7,8-PeCDF p	og/g	0.137 J	ND	ND	0.101 J EMPC	ND	NÐ	0.204 J EMPC	ND	ND	ND
10	2,3,4,7,8-PeCDF p	og/g	0.151 J EMPC	ND	ND	0,126 J	ND	ND	0.168 J EMPC	ND	ND	NÐ
11	1,2,3,4,7,8-HxCDF p	og/g	0.4 JEMPC	ND	ND	ND	ND	ND	ND	ND	ND	ND
12	1,2,3,6,7,8-HxCDF p	og/g	0.314 J EMPC	NÐ	ND	ND	ND	NÐ	ND	ND	NÐ	ND
13	1,2,3,7,8,9-HxCDF p	g/g	ND	ND	ND	NÐ	ND	ND	0.171 J EMPC	ND	ND	ND
14	2,3,4,6,7,8-HxCDF p	e/g	0.174 J EMPC	0,751 J	ND	ND	NÐ	ND	ND	ND	NĎ	ND
15	1,2,3,4,6,7,8-HpCDF p	g/g	2.01 J	1.39 J EMPC	4.03	0.144 J	ND	ND	0,305 J	ND	ND	ND
16	1,2,3,4,7,8,9-HpCDF p	g/g	0.281 J	ND	NÐ	ND	ND	NÐ	ND	ND	ND	ND
17	OCDF p	g/g	1,34 J	ND	10.9	ND	ND	ND	ND	ND	ND	ND
	WHO-2005 TEQ (ND≈0), pg/	g	0.3368	0.1051	0.2844	0.0879	0.0250	0.0375	0.3075	0.0209	0.8310	0.5430

# NOTES:

J: Estimated amount detected between detection limit and reporting limit

EMPC: Estimated maximum possible concentration due to ion raio failure

ND: Not detected

3330

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		Borehole →	E11-196	E11-196	E11-196	E11-196
No		Sample ID →	\$ <b>1</b>	\$2	S3	S4
	Analyte↓	Depth, m $\rightarrow$	0.3~0.8	~2.3	~5.3	~10.3
1	2,3,7,8-TCDD	pg/g	ND	ND	ND	NÐ
2	1,2,3,7,8-PeCDD	pg/g	ND	ND	ND	ND
3	1,2,3,4,7,8-HxCDD	pg/g	ND	ND	NÐ	ND
4	1,2,3,6,7,8-HxCDD	pg/g	ND	NÐ	ND	ND
5	1,2,3,7,8,9-HxCDD	pg/g	ND	ND	ND	ND
6	1,2,3,4,6,7,8-HpCDD	pg/g	2.39 J	0.817 J EMPC	ND	ND
7	OCDD	pg/g	59.4	19,3	5.11 J EMPC	1.34 J
8	2,3,7,8-TCDF	pg/g	0,384 J	0.503	0.327 J EMPC	0.503 J
9	1,2,3,7,8-PeCDF	pg/g	0.161 J	ND	ND	ND
10	2,3,4,7,8-PeCDF	pg/g	ND	ND	ND	ND
11	1,2,3,4,7,8-HxCDF	pg/g	ND	ND	ND	ND
12	1,2,3,6,7,8-HxCDF	pg/g	ND	ND	ND	ND
13	1,2,3,7,8,9-HxCDF	pg/g	ND	ND	ND	ND
14	2,3,4,6,7,8-HxCDF	pg/g	ND	ND	ND	ND
15	1,2,3,4,6,7,8-HpCDF	pg/g	0.248 J	0.273 J	ND	ND
16	1,2,3,4,7,8,9-HpCDF	pg/g	ND	ND	ND	ND
17	OCDF	pg/g	ND	ND	ND	ND

#### NOTES:

J: Estimated amount detected between detection limit and reporting limit EMPC: Estimated maximum possible concentration due to ion raio failure ND: Not detected

3331

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		Borehole →	E11-154	E11-154	E11-155	E11-155	E11-156	E11-156	E11-156	E11-157	E11-157	E11-157
No		Sample ID →	S1	S2	<b>S1</b>	S2	\$1	S2	S3	<b>S1</b>	S2	S3
	Analyte↓	Depth, m 🔿	0.0~0.5	~2,3	0.0~0.5	~1.8	0.0~0.5	~2.0	~6,45	0.0~0.5	~2.0	<b>~4.5</b>
1	2,4,5-T	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2	2,4,5-TP (Silvex)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3	2,4-D	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4	2,4-DB	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
5	Dicamba	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

# Table 4. Summary of Chlorinated Herbicide Results for Phase II and IIb Soil Samples

NOTES:

R: Data rejected ND: Not detected

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No		Borehole →	E11-158	E11-158	E11-158	E11-158	E11-159	E11-159	E11-159	E11-159	E11-160	E11-160
		Sample ID →	S1	S2	S3	<b>S4</b>	<b>S1</b>	S2	\$3	S4	<b>S</b> 1	S2
	Analyte↓	Depth, m →	0.0~0.5	~2.0	~5.0	~8.5	0.0~0.5	~2.0	~5.0	~10.0	0.0~0.5	~2.0
1	2,4,5-T	mg/kg	ND	ND	ND	ND	NÐ	ND	ND	ND	ND	ND
2	2,4,5-TP (Silvex)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3	2,4-D	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4	2,4-DB	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
5	Dicamba	mg/kg	ND	ND	ND	ND	NÐ	ND	ND	ND	ND	ND

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NOTES:

R: Data rejected ND: Not detected

		Borehole ->	E11-160	E11-161	E11-161	E11-161	E11-161	E11-162	E11-162	E11-163	E11-163	E11-163
No		Sample ID →	S3	\$1	S2	\$3	<b>\$</b> 4	S1	<b>S</b> 2	S1	<b>S</b> 2	S3
-0403	Analyte↓	Depth, m →	~3,4	0.0~0.5	~2.0	~5,0	~7.9	0.0~0.5	~1.52	0,0~0.5	~2,0	~5.0
1	2,4,5-T	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2	2,4,5-TP (Silvex)	mg/kg	NÐ	ND	ND	ND	ND	ND	ND	ND	ND	ND
3	2,4-D	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4	2,4-DB	mg/kg	ND	ND	NÐ	ND	ND	ND	ND	ND	ND	ND
5	Dicamba	mg/kg	ND	ND	ND	ND	ND	NÐ	ND	ND	ND	ND

NOTES:

R: Data rejected ND: Not detected

3334

		Borehole →	E11-163	E11-164	E11-164	E11-164	E11-164	E11-165	E11-165	E11-165	E11-165	E11-166
No		Sample ID $\rightarrow$	S4	<b>S1</b>	52	S3	<b>S4</b>	\$1	52	S3	S4	S1
	Analyte↓	Depth, m →	~10.0	0.0~0.5	~2.0	~5.0	~11.0	0.0~0.5	~2.0	~5.0	~10.0	0.3~0.8
1	2,4,5-T	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2	2,4,5-TP (Silvex)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3	2,4-D	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4	2,4-DB	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
5	Dicamba	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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NOTES:

R: Data rejected ND: Not detected

		Borehole →	E11-166	E11-167	E11-167	E11-167	E11-168	E11-168	E11-169	E11-169	E11-170	E11-170
No		Sample ID $\rightarrow$	S2	S1	S2	S3	S1	S2	Si	S2	<b>S1</b>	S2
	Analyte↓	Depth, m →	~2.7	0.0~0.5	~2.0	~5.5	0.0~0.5	~3.0	0.0~0.5	<b>^1.8</b>	0.0~0.5	~2.0
1	2,4,5-T	mg/kg	ND	ND	NĎ	ND	ND	ND	ND	ND	ND	ND
2	2,4,5-TP (Silvex)	mg/kg	ND	ND	ND							
3	2,4-D	mg/kg	ND	ND	ND							
4	2,4-DB	mg/kg	ND	ND	ND							
5	Dicamba	mg/kg	ND	ND	ND							

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NOTES:

R: Data rejected ND: Not detected

		Borehole →	E11-170	E11-170	E11-171	E11-171	E11-171	E11-172	E11-172	E11-172	E11-172	E11-173
No		Sample ID →	S3	S4	S1	S2	53	S1	S2	S3	<u>\$4</u>	\$1
	Analyte J	Depth, m →	~5.0	~7.5	0.0~0.5	~2.0	~6.5	0.0~0.5	~2,0	~5.0	~8.7	0.0~0.5
1	2,4,5-T	mg/kg	ND	ND								
2	2,4,5-TP (Silvex)	mg/kg	ND	ND								
3	2,4-D	mg/kg	ND	NÐ	ND	ND						
4	2,4-DB	mg/kg	ND	ND								
5	Dicamba	mg/kg	ND	ND								

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NOTES:

R: Data rejected ND: Not detected

	114-2 Market	Borehole →	E11-173	E11-173	E11-173	E11-174	E11-174	E11-174	E11-174	E11-175	E11-175	E11-175
No		Sample ID $\rightarrow$	S2	S3	S4	S1	<b>S2</b>	S3	S4	S1	S2	\$3
-10.1	Analyte↓	Depth, m →	~2.0	~5.0	~10.0	0.3~0,8	~2,3	2.3~5.3	~8.9	0.0~0.5	~2.0	~5.0
1	2,4,5-T	mg/kg	ND	ND	ND	ND	ND R	ND	ND	ND	ND	ND
2	2,4,5-TP (Silvex)	mg/kg	ND	ND	ND	ND	ND	NÐ	ND	ND	ND	ND
3	2,4-D	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	NÐ	ND
4	2,4-DB	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
5	Dicamba	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:

R: Data rejected ND: Not detected

		Borehole →	E11-175	E11-176	E11-176	E11-176	E11-176	E11-177	E11-177	E11-177	E11-177	E11-178
No		Sample ID $\rightarrow$	S4	S1	S2	S3	S4	S1	S2	<b>S3</b>	S4	S1
	Analyte↓	Depth, m →	~7.25	0.0~0.5	~2.0	~5.0	~10.0	0.4~0.9	~2,4	~5.4	~9.0	0.0~0.5
1	2,4,5-T	mg/kg	ND	NÐ	ND	ND	ND	ND	ND	ND	ND	ND
2	2,4,5-TP (Silvex)	mg/kg	ND	ND	ND							
3	2,4-D	mg/kg	ND	ND	ND							
4	2,4-DB	mg/kg	ND	ND	ND							
5	Dicamba	mg/kg	ND	ND	ND							

NOTES:

R: Data rejected ND: Not detected

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	, higheil bhach agus ai	Borehole 🤿	E11-178	E11-178	E11-178	E11-179	E11-179	E11-179	E11-179	E11-180	E11-180	E11-180
No		Sample ID →	S2	53	S4	S1	S2	\$3	S4	\$1	S2	S3
	Analyte↓	Depth, m $\rightarrow$	~2,0	~5.0	~10.0	0.0~0.5	~2.0	~5.0	~10.0	0,0~0.5	~2,0	~5.0
1	2,4,5-T	mg/kg	ND									
2	2,4,5-TP (Silvex)	mg/kg	ND									
3	2,4-D	mg/kg	ND	NÐ	ND							
4	2,4-DB	mg/kg	ND									
5	Dicamba	mg/kg	ND									

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NOTES:

R: Data rejected ND: Not detected

3340

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		Borehole →	E11-180	E11-181	E11~181	E11-181	E11-182	E11-182	E11-182	E11-182	E11-183	E11-183
No		Sample ID $\rightarrow$	S4	S1	S2	S3	S1	S2	S3	<b>S4</b>	<b>\$1</b>	S2
100000	Analyte↓	Depth, m →	~10.0	0,0~0,5	~2.0	~5.0	0.0~0.5	~2.0	~5.0	~10,0	0.0~0.5	~2.0
1	2,4,5-T	mg/kg	ND	ND	NÐ							
2	2,4,5-TP (Silvex)	mg/kg	ND	ND	ND							
3	2,4-D	mg/kg	ND	ND	ND							
4	2,4-DB	mg/kg	ND	ND	ND							
5	Dicamba	mg/kg	ND	ND	ND							

## NOTES:

R: Data rejected ND: Not detected

		Borehole →	E11-183	E11-183	E11-184	E11-184	E11-184	E11-184	E11-185	E11-185	E11-185	E11-185
No		Sample ID $\rightarrow$	S3	<b>S</b> 4	<b>S1</b>	S2	S3	S4	S1	S2	S3	S4
	Analyte↓	Depth, m 🔿	~5.0	~10,0	0.0~0.5	~2.0	~5.0	~8.75	0.0~0.5	~2.0	~5.0	~8.8
1	2,4,5-ĭ	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2	2,4,5-TP (Silvex)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3	2,4-D	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4	2,4-DB	mg/kg	ND	NÐ	ND	ND	ND	ND	ND	ND	ND	ND
5	Dicamba	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:

R: Data rejected ND: Not detected

3342

		Borehole ->	E11-186	E11-186	E11-186	E11-186	E11-187	E11-187	E11-187	E11-187	E11-188	E11-188
No		Sample ID 🤿	S1	52	53	S4	<b>S1</b>	S2	\$3	<b>\$4</b>	51	S2
	Analyte↓	Depth, m →	0.0~0.5	~2.0	~5.0	~8.0	0.0~0.5	~2.0	~5.0	~10.0	0.0~0.5	~2.0
1	2,4,5-T	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2	2,4,5-TP (Silvex)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND R	ND	ND
3	2,4-D	mg/kg	NÐ	ND	ND	ND	ND	ND	ND	ND	ND	ND
4	2,4-DB	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND R	ND	ND
5	Dicamba	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:

R: Data rejected ND: Not detected

3343

		Borehole 🔿	E11-188	E11-188	E11-189	E11-189	E11-189	E11-189	E11-190	E11-190	E11-190	E11-190
No		Sample ID ->	S3	S4	<b>S1</b>	\$2	\$3	S4	S1	\$2	\$3	<b>\$4</b>
	Analyte↓	Depth, m →	~5.0	~9.6	0,0~0.5	~2,0	~5,0	~1.0.0	0.0~0.5	~2.0	~5.0	~10,0
1	2,4,5-T	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2	2,4,5-TP (Silvex)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3	2,4-D	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4	2,4-DB	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
5	Dicamba	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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NOTES:

R: Data rejected ND: Not detected

3344

		Borehole 🔿	E11-191	E11-191	E11-191	E11-191	E11-192	E11-192	E11-192	E11-192	E11-193	E11-193
No		Sample ID →	S1	S2	S3	S4	Si	52	S3	S4	<b>S1</b>	S2
aler A à	Analyte↓	Depth, m 🔿	0.0~0.5	~2.0	~5.0	~7.7	0.0~0.5	~2,0	~5.0	~10.0	0.0~0.5	~2.0
1	2,4,5-T	mg/kg	ND	ND	ND	NÐ	NÐ	ND	ND	ND	ND	ND
2	2,4,5-TP (Silvex)	mg/kg	ND	ND								
3	2,4-D	mg/kg	ND	ND								
4	2,4-DB	mg/kg	ND	ND								
5	Dicamba	mg/kg	ND	ND								

NOTES:

R: Data rejected ND: Not detected

3345

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		Borehole ->	E11-193	E11-193	E11-194	E11-194	E11-194	E11-194	E11-195	E11-195	E11-195	E11-195
No		Sample ID →	S3	\$4	S1	S2	S3	<b>54</b>	S1	S2	53	S4
	Analyte↓	Depth, m →	~5.0	~8.6	0.3~0.8	~2.0	~5.0	~10.0	0.3~0.8	~2.0	~5,0	~10.0
1	2,4,5-T	mg/kg	ND	ND	ND	ND	NÐ	ND	ND	ND	ND	ND
2	2,4,5-TP (Silvex)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	NÐ	ND
3	2,4-D	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4	2,4-DB	mg/kg	ND	ND	ND	ND	ND	ND	NÐ	ND	ND	ND
5	Dicamba	mg/kg	ND	NÐ	ND	ND	ND	ND	NÐ	ND	ND	ND

NOTES:

R: Data rejected ND: Not detected

3346

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		Borehole ->	E11-196	E11-196	E11-196	E11-196
No		Sample ID $\rightarrow$	S1	S2	S3	S4
403	Analyte↓	Depth, m 🔿	0,3~0.8	~2.3	~5.3	~10,3
1	2,4,5-T	mg/kg	NÐ	ND	ND	ND
2	2,4,5-TP (Silvex)	mg/kg	ND	ND	ND	ND
3	2,4-D	mg/kg	ND	ND	ND	ND
4	2,4-DB	mg/kg	NÐ	ND	ND	ND
5	Dicamba	mg/kg	ND	ND	ND	ND

NOTES:

R: Data rejected ND: Not detected

		Borehole →	E11-154	E11-154	E11-155	E11-155	E11-156	E11-156	E11-156	E11-157	E11-157	E11-157
No		Sample ID $\rightarrow$	S1	52	S1	\$2	S1	S2	\$3	\$ <b>1</b>		S3
	Analyte↓	Depth, m →	0.0~0.5	~2.3	0.0~0.5	~1.8	0.0~0.5	~2.0	~6.45	0.0~0.5	~2,0	~4.5
1	4,4'-DDD	μg/kg	ND	2.74	ND	5.14 J	0.807 J	2.15 J	0.815 J	ND	1.74 J	ND
2	4,4'-DDE	μg/kg	1.07 J	1.71 J	ND	3,43 J	3.65	2,52	0.85 J	1,37 J	4,44	ND
3	4,4'-DDT	µg/kg	3.61	5.22	1,05 J	11.8	8.36	ND	ND	1.85 J	13.3	0.909 J
4	Aldrin	µg/kg	ND	ND	ND							
5	alpha-BHC	μg/kg	ND	ND	ND							
6	alpha-Chlordane	µg/kg	ND	ND	ND							
7	beta-BHC	µg/kg	ND	ND	ND							
8	delta-BHC	µg/kg	ND	ND	ND							
9	Dieldrin	µg/kg	ND	ND	ND							
10	Endosulfan I	µg/kg	ND	ND	ND							
11	Endosulfan ll	µg/kg	ND	ND	ND							
12	Endosulfan sulfate	µg/kg	ND	ND	ND							
13	Endrin	µg/kg	ND	ND	ND							
14	Endrin aldehyde	µg/kg	ND	NÐ	ND	ND						
15	Endrin ketone	µg/kg	ND	ND	ND							
16	gamma-BHC (Lindane)	µg/kg	ND	ND	ND	ND	ND	NÐ	ND	ND	ND	ND
17	gamma-Chlordane	µg/kg	ND	ND	ND							
18	Heptachlor	µg/kg	ND	ND	ND							
19	Heptachlor epoxide	µg/kg	ND	ND	ND							
20	Methoxychlor	µg/kg	ND	ND	ND							
21	Toxaphene	µg/kg	ND	ND	ND							

# Table 5. Summary of Organochlorine Pesticide Results for Phase II and IIb Soil Samples

NOTES:

J: Estimated amount between the detection limit and reporting limit

R: Data rejected



	Bore	hole $\rightarrow$	E11-158	E11-158	E11-158	E11-158	E11-159	E11-159	E11-159	E11-159	E11-160	E11-160
No	Sampl	le ID →	S1	\$2	S3	S4	S1	S2	S3	S4	S1	S2
	Analyte↓ Dept	h, m →	0.0~0.5	~2.0	~5.0	~8.5	0.0~0.5	~2.0	~5.0	~10.0	0.0~0.5	~2.0
1	4,4'-DDD µg,	/kg	ND	34,4	ND	ND	1,22 J	19.7	0,795 J	ND	NÐ	ND
2	4,4'-DDE μg,	/kg	ND	15,7	ND	ND	4.36	50.4	1.63 J	ND	ND	ND
3	4,4'-DDT μg,	/kg	1.08 J	74.7	ND	ND	19.5	174	4,14	21	ND	ND
4	Aldrin µg,	/kg	ND	ND	NÐ	ND						
5	alpha-BHC µg,	/kg	ND									
6	alpha-Chlordane µg,	/kg	ND									
7	beta-BHC µg,	/kg	ND									
8	delta-BHC µg,	/kg	ND	ND	ND	NÐ	ND	ND	ND	ND	ND	ND
9	Dieldrin µg,	/kg	ND									
10	Endosulfan I µg,	/kg	ND									
11	Endosulfan II µg,	/kg	ND									
12	Endosulfan sulfate µg/	/kg	ND									
13	Endrin µg/	/kg	ND									
14	Endrin aldehyde µg/	/kg	ND									
15	Endrin ketone µg/	/kg	ND									
16	gamma-BHC (Lindane) µg/	/kg	ND	ND	ND	ND	ND	1.87	ND	ND	ND	NÐ
17	gamma-Chlordane µg/	/kg	ND									
18	Heptachlor µg/	kg	ND	ND	NÐ	ND	ND	ND	ND	ND	ND	NĎ
19	Heptachlor epoxide µg/	kg	ND									
20	Methoxychlor µg/	kg	ND	ND	ND	NÐ	ND	ND	ND	ND	ND	ND
21	Toxaphene µg/	kg	ND									

#### NOTES:

J: Estimated amount between the detection limit and reporting limit

R: Data rejected

3349

	Bo	orehole →	E11-160	E11-161	E11-161	E11-161	E11-161	E11-162	E11-162	E11-163	E11-163	E11-163
No	San	mple ID →	53	S1	52	S3	S4	S1	\$2	S1	S2	S3
	Analyte↓ De	epth, m →	~3,4	0.0~0,5	~2.0	~5.0	~7.9	0.0~0.5	~1.52	0.0~0.5	~2.0	~5.0
1	4,4'-DDD	µg/kg	ND	12.8	9	ND	ND	0,764 J	ND	1.02 J	91	ND
2	4,4'-DDE	µg/kg	ND	5.3	5,97	ND	ND	1,85 J	ND	6.05	44.9	ND
3	4,4'-DDT	µg/kg	ND	68.4	49,3	ND	ND	4.11	ND	11	134	2,43
4	Aldrin	µg/kg	ND									
5	alpha-BHC	µg/kg	NÐ	ND								
6	alpha-Chlordane	µg/kg	ND									
7	beta-BHC	µg/kg	ND									
8	delta-BHC	µg/kg	ND									
9	Dieldrin	µg/kg	ND	ND	ND .	ND	ND	ND	ND	NÐ	ND	ND
10	Endosulfan I	µg/kg	ND									
11	Endosulfan li	µg/kg	ND	NÐ	ND							
12	Endosulfan sulfate	µg/kg	ND									
13	Endrin	µg/kg	ND									
14	Endrin aldehyde	µg/kg	ND									
15	Endrin ketone	µg/kg	ND									
16	gamma-BHC (Lindane)	µg/kg	ND	NÐ	ND	ND	ND	ND	ND	NÐ	12.6 J	ND
17	gamma-Chlordane	µg/kg	ND									
18	Heptachlor I	µg/kg	ND									
19	Heptachlor epoxide	µg/kg	ND									
20	Methoxychlor	µg/kg	ND	NÐ	ND	ND						
21	Toxaphene I	µg/kg	ND									

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#### NOTES:

J: Estimated amount between the detection limit and reporting limit

R: Data rejected

		Borehole →	E11-163	E11-164	E11-164	E11-164	E11-164	E11-165	E11-165	E11-165	E11-165	E11-166
No	S	Sample ID →	S4	<b>\$1</b>	S2	<b>S</b> 3	<b>S4</b>	S1	S2	53	S4	S1
	Analyte↓	Depth, m →	~10.0	0.0~0.5	~2.0	~5.0	~11.0	0.0~0.5	~2.0	~5.0	~10.0	0.3~0.8
1	4,4'-DDD	µg/kg	ND	ND	21	1.28 J	ND	NÐ	6.11	261	3,89	1.81 J
2	4,4'-DDE	µg/kg	ND	ND	46	1.42 J	ND	1.35 J	8.04	58.3 J	1.8 J	7.31
3	4,4'-DDT	µg/kg	2.96	1,24 J	134	18	ND	ND	68.6	643	15.7	18.7
4	Aldrin	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
5	alpha-BHC	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	0.887 J	ND
6	alpha-Chlordane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7	beta-BHC	μg/kg	ND	ND	ND	ND	ND	ND	0.647 J	ND	0.732 J	ND
8	delta-BHC	µg/kg	ND	ND	ND	ND	ND	ND	NĎ	ND	1.16 J	ND
9	Dieldrin	µg/kg	ND	ND	3:24	ND	ND	ND	ND	ND	ND	ND
10	Endosulfan I	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11	Endosulfan II	µg/kg	NÐ	ND	ND	ND	ND	ND	ND	ND	ND	ND
12	Endosulfan sulfate	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
13	Endrin	µg/kg	ND	NÐ	ND	ND	ND	ND	ND	ND	ND	NÐ
14	Endrin aldehyde	µg/kg	ND	ND	ND	ND	ND	ND	NÐ	ND	ND	ND
15	Endrin ketone	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
16	gamma-BHC (Lindane)	µg/kg	NÐ	ND	1.99	ND	ND	ND	1.4 J	56.4 J	43.8	ND
17	gamma-Chlordane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
18	Heptachlor	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
19	Heptachlor epoxide	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
20	Methoxychlor	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
21	Toxaphene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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#### NOTES:

3: Estimated amount between the detection limit and reporting limit

R: Data rejected

	Bore	hole →	E11-166	E11-167	E11-167	E11-167	E11-168	E11-168	E11-169	E11-169	E11-170	E11-170
No	Samp	le ID →	S2	<b>S1</b>	S2	S3	51	\$2	51	S2	S1	S2
84	Analyte↓ Dept	:h, m →	~2,7	0.0~0,5	~2.0	~5.5	0.0~0.5	~3.0	0.0~0.5	~1.8	0.0~0.5	~2.0
1	4,4'-DDD μg	;/kg	ND	645	617	46,5	356	5.63	183 J	95.9	1130	2,19 J
2	4,4'-DDE μg	;/kg	ND	428 J	297 J	54	198	4.57	248	47,1	2830	3,18
3	4,4'-DDT µg	r/kg	0,807 J	8160	9150	225	814	29.7	1020	145	3780	4.97
4	Aldrin µg	;/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	NĎ
5	alpha-BHC µg	;/kg	ND	10,9 J	47.8	ND						
6	alpha-Chlordane µg	;/kg	ND	6.77 J	3.29 J	ND	19.7	1.26 J	9.3	1.21 J	ND	ND
7	beta-BHC µg	/kg	ND	11.9 J	24.3	ND	ND	ND	3.04 J	ND	ND	ND
8	delta-BHC µg	/kg	ND	26.5	56.5	ND						
9	Dieldrin µg	/kg	ND	60.3	52,9	ND	16.5 J	ND	16.5	ND	ND	ND
10	Endosulfan I µg,	;/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11	Endosulfan II µg,	/kg	ND	ND	ND	ND	ND	NÐ	ND	ND	ND	ND
12	Endosulfan sulfate µg,	/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
13	Endrin µg,	/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
14	Endrin aldehyde µg,	/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
15	Endrin ketone µg,	/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
16	gamma-BHC (Lindane) µg,	/kg	0.925 J	388	870	47.9	ND	ND	ND	ND	4.32 J	ND
17	gamma-Chlordane µg,	/kg	ND	8.2 J	3.69 J	ND	20.5	1,25 J	9.82	1.17 J	2.72 J	ND
18	Heptachlor µg,	/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
19	Heptachlor epoxide µg/	/kg	ND	ND	ND	ND	ND	ND	ND	ND	NÐ	ND
20	Methoxychlor µg/	/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
21	Toxaphene μg/	/kg	ND	ND	ND	NÐ	ND	NÐ	ND	ND	ND	ND

#### NOTES:

J: Estimated amount between the detection limit and reporting limit

R: Data rejected

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	Bol	rehole $\rightarrow$	E11-170	E11-170	E11-171	E11-171	E11-171	E11-172	E11-172	E11-172	E11-172	E11-173
No	Sam	ple ID →	S3	S4	\$1	S2	\$3	<b>S1</b>	S2	S3	S4	S1
993	Analyte↓ Der	pth, m $ ightarrow$	~5.0	~7.5	0.0~0.5	~2.0	~6.5	0.0~0.5	~2.0	~5.0	~8.7	0.0~0.5
1	4,4'-DDD	ug/kg	1.25 J	ND	45,1	1880	333	174	704 J	1.29 J	1.68 J	115
2	4,4°-DDE	⊥g/kg	1.28 J	ND	23.6	491 J	59.8	145	205	0.703 J	0.805 J	158
3	4,4'-DDT	ıg/kg	ND	ND	208	5340	63.4	436	11200	5.4	11,3	198
4	Aldrin	⊥g/kg	ND	ND	ND	ND	ND	ND	NÐ	ND	ND	9,04
5	alpha-BHC µ	ug/kg	ND	ND	ND	NÐ	ND	ND	ND	ND	ND	ND
6	alpha-Chlordane µ	ıg/kg	ND	ND	ND	78.7	ND	15.6 J	ND	ND	ND	1.15 J
7	beta-BHC P	ug/kg	NÐ	ND	ND	2,96 J	ND	ND	ND	ND	ND	ND
8	delta-BHC µ	ıg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9	Dieldrin µ	lg∕kg	ND	ND	ND	ND	ND	ND	48.3	ND	ND	61.7
10	Endosulfan I 🛛 🛛 🖓	lg/kg	ND	ND	ND	ND	ND	ND	ND	ND	NÐ	ND
11	Endosulfan II 🛛 🛛 🛛 🛛	lg/kg	ND	ND	ND	ND	ND	ND	ND	ND	NÐ	ND
12	Endosulfan sulfate 🛛 🛛 🖉	ıg/kg	ND	ND	ND	ND	ND	ND	NÐ	ND	ND	ND
13	Endrin µ	lg∕kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
14	Endrin aldehyde µ	lg/kg	ND	ND	ND	ND	ND	ND	NÐ	ND	ND	ND
15	Endrin ketone 🛛 🙀	lg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
16	gamma-BHC (Lindane) 🛛 🛛 🛛 🛛	ıg/kg	1.69 J	ND	ND	4.5 J	ND	ND	72.9	0.723 J	ND	ND
17	gamma-Chlordane µ	ig/kg	ND	ND	2,64 J	93	ND	16.6 J	ND	ND	ND	1.57 J
18	Heptachlor µ	lg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
19	Heptachlor epoxide 🛛 🛛 🛛 🛏	lg/kg	ND	ND	ND	8.27 J	ND	ND	ND	ND	ND	ND
20	Methoxychlor µ	g/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
21	Toxaphene µ	g/kg	ND	ND	ND	NÐ	ND	ND	ND	ND	ND	ND

## NOTES:

J: Estimated amount between the detection limit and reporting limit

R: Data rejected

# 3353

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	Borr	ehole →	E11-173	E11-173	E11-173	E11-174	E11-174	E11-174	E11-174	E11-175	E11-175	E11-175
No	Samı	ple ID →	S2	S3	S4	51	S2	53	S4	S1	S2	S3
	Analyte↓ Dep	ith, m →	~2.0	~5.0	~10,0	0.3~0.8	~2.3	2.3~5.3	~8.9	0.0~0.5	~2.0	~5.0
1	4,4'-DDD μ	g/kg	23,4	4.04	ND	211	577 J	1.14 J	3,29	364	267	6,54
2	4,4'-DDE μι	g/kg	14,1	2.51	ND	55.6	ND	0.747 J	0.959 J	186	12.4	1.61 J
3	4,4'-DDT μ	g/kg	62.6	888 <b>1,1</b> 988	ND	2270	1850	9.84	7.95	110	52.2	12.7
4	Aldrin µ	g/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
5	alpha-BHC µ	g/kg	ND	ND	1,71 J	417	209 J	1.03 J	0.851 J	ND	ND	ND
6	alpha-Chlordane μ	g/kg	3.15	ND	ND	ND	ND	ND	NÐ	33.4	1.04 J	ND
7	beta-BHC µį	g/kg	ND	NÐ	ND	112	ND	0.817 J	0.684 J	1,18 J	ND	ND
8	delta-BHC µ	g/kg	ND	ND	0.911 )	427	301 J	1.88	1,58 J	0.69 J	ND	ND
9	Dieldrin µı	g/kg	ND	1.87 J	ND	ND	ND	ND	ND	13	1.76 J	ND
10	Endosulfan l 🛛 🛛 🗛	g/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11	Endosulfan II 🛛 🛛 🛛 🛛	g/kg	ND	ND	ND	NÐ	NÐ	ND	ND	ND	ND	ND
12	Endosulfan sulfate 🛛 🛛 🖉	g/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
13	Endrin 🏨	g/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
14	Endrin aldehyde 🛛 🛛 🗛	g/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
15	Endrin ketone 🛛 🛛 🗛	g/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
16	gamma-BHC (Lindane) με	g/kg	ND	ND	9.08	13900	4010	16.8	8.97	2.62	0.559 )	ND
17	gamma-Chlordane µg	g/kg	3,98	ND	ND	ND	ND	ND	ND	35.7	ND	ND
18	Heptachlor µg	g/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
19	Heptachlor epoxide µg	g/kg	ND	ND	ND	ND	ND	ND	ND	3.07	NÐ	ND
20	Methoxychlor µg	g/kg	ND	ND	ND	NÐ	ND	NÐ	ND	ND	ND	ND
21	Toxaphene μg	g/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.

#### NOTES:

J: Estimated amount between the detection limit and reporting limit

R: Data rejected

3354

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	B	lorehole →	E11-175	E11-176	E11-176	E11-176	E11-176	E11-177	E11-177	E11-177	E11-177	E11-178
No	Sa	mple ID →	S4	<b>S1</b>	S2	S3	S4	<b>S1</b>	<b>S</b> 2	<b>S3</b>	\$4	S1.
	Analyte↓ D	epth, m →	~7,25	0.0~0.5	~2.0	~5.0	~10.0	0,4~0.9	~2,4	~5,4	~9.0	0.0~0.5
1	4,4'-DDD	µg/kg	ND	320	90	8.72	0.839 J	122	128	ND	ND	7400
2	4,4'-DDE	µg/kg	ND	228	52.2	2.62	ND	66.2	78,7	ND	ND	1600
3	4,4'-DDT	µg/kg	ND	454	226	1.5 J	ND	214	207	ND	0,755 J	26900
4	Aldrin	µg/kg	ND	9.27	4,3	ND	ND	ND	ND	ND	ND	ND
5	alpha-BHC	μg/kg	ND	ND	ND	ND	ND	NÐ	ND	ND	ND	ND
6	alpha-Chlordane	µg/kg	ND	1.6 J	2.44	ND	ND	ND	ND	ND	NÐ	ND
7	beta-BHC	µg/kg	ND	ND	1,99	ND	ND	ND	7,54 J	ND	ND	10.7
8	delta-BHC	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9	Dieldrin	µg/kg	NÐ	87	31,1	2.12 J	NÐ	NÐ	9.51 J	ND	ND	336 J
10	Endosulfan I	µg/kg	ND	NĎ	ND	ND	ND	ND	NĎ	ND	ND	ND
11	Endosulfan II	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12	Endosulfan sulfate	µg/kg	ND	ND	ND	ND	ND	ND	NĎ	ND	ND	ND
13	Endrin	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
14	Endrin aldehyde	µg/kg	NÐ	ND	ND	ND	ND	ND	ND	ND	ND	ND
15	Endrin ketone	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
16	gamma-BHC (Lindane)	µg/kg	ND	ND	ND	ND	NÐ	ND	12.8 J	0.923 J	ND	5,26 J
17	gamma-Chlordane	µg/kg	ND	2,18	3.08	ND	ND	ND	ND	ND	ND	ND
18	Heptachlor	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	
19	Heptachlor epoxide	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	11.1
20	Methoxychlor	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
21	Toxaphene	µg/kg	NÐ	ND	ND	ND	ND	ND	ND	ND	ND	ND

#### NOTES:

J: Estimated amount between the detection limit and reporting limit

R: Data rejected



	Borehol	e → E11-178	E11-178	E11-178	E11-179	E11-179	E11-179	E11-179	E11-180	E11-180	E11-180
No	Sample I	D.→ S2	S3	S4	\$1	\$2	S3	S4	S1	S2	53
	Analyte↓ Depth, r	n → ~~2.0	~5.0	~10.0	0.0~0.5	~2.0	~5.0	~10.0	0.0~0.5	~2.0	~5.0
1	4,4'-DDD μg/kg	74,7	11.6	8.36	13500	459	212	129	27	6.67	59.3
2	4,4'-DDE µg/kg	29.2	2,39	2.46	1620	15.4	6.04	4,28	80.2	9.76	7.7
3	4,4'-DDT μg/kg	243	36	18,1	70200	111	44.9 J	29 J	74	61.6	18
4	Aldrin µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
5	alpha-BHC µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.765 J
6	alpha-Chlordane µg/kg	NÐ	ND	ND	11 J	0.768 J	ND	ND	ND	ND	0.761 J
7	beta-BHC µg/kg	0.6 J	ND	ND	34.4	1,23 J	ND	ND	ND	ND	1.79
8	delta-BHC µg/kg	ND	ND	ND	29,9	NÐ	ND	ND	ND	ND	5.57
9	Dieldrin µg/kg	3.13	0,851 J	ND	127	ND	1.52 J	ND	ND	ND	ND
10	Endosulfan I µg/kg	NÐ	ND	NÐ	ND						
11	Endosulfan II µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12	Endosulfan sulfate µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	NÐ
13	Endrin µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
14	Endrin aldehyde µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
15	Endrin ketone µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
16	gamma-BHC (Lindane) µg/kg	1,9	4.11	ND	32	0.897 J	ND	ND	ND	ND	ND
17	gamma-Chlordane µg/kg	ND	ND	ND	13,1 J	0.84 J	ND	ND	ND	ND	1.16 J
18	Heptachlor µg/kg	ND	ND	NÐ	ND	ND	ND	NÐ	ND	ND	ND
19	Heptachlor epoxide µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
20	Methoxychlor µg/kg	NÐ	ND								
21	Toxaphene µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

#### NOTES:

J: Estimated amount between the detection limit and reporting limit

R: Data rejected

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	B	Borehole →	E11-180	E11-181	E11-181	E11-181	E11-182	E11-182	E11-182	E11-182	E11-183	E11-183
No	Sa	ample ID →	S4	S1	<b>S2</b>	S3	S1	S2	S3	S4	<b>S1</b>	S2
	Analyte↓ D	Depth, m →	~10.0	0.0~0.5	~2.0	~5,0	0.0~0.5	~2.0	~5.0	~10.0	0.0~0.5	~2.0
1	4,4'-DDD	µg/kg	3.99	210	9,35 J	13	6.09	190	4180	0.981 J	ND	1.15 J
2	4,4'-DDE	µg/kg	ND	216	11.2 J	6.94	36,5	78.8	308	ND	ND	2,84
3	4,4'-DDT	µg/kg	1.73 J	1970	89.1	48	22.9	730	7470	1,71 J	ND	12.2
4	Aldrin	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
5	alpha-BHC	µg/kg	NÐ	ND	ND	ND	ND	ND	7.23	ND	ND	ND
6	alpha-Chlordane	µg/kg	ND	6.46	ND	0.55 J	ND	ND	1.66 J	ND	ND	ND
7	beta-BHC	µg/kg	ND	ND	ND	0.841 J	ND	ND	9.11	ND	ND	ND
8	delta-BHC	µg/kg	ND	ND	ND	0.573 J	ND	NÐ	84.7	ND	ND	ND
9	Dieldrin	µg/kg	NÐ	16.3	ND	ND	ND	ND	21,8	ND	ND	ND
10	Endosulfan I	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11	Endosulfan II	µg/kg	ND	ND	ND	ND	ND	ND	NÐ	ND	ND	ND
12	Endosulfan sulfate	µg/kg	ND	ND	ND	ND	ND	ND	ND	NÐ	NĎ	ND
13	Endrin	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
14	Endrin aldehyde	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
15	Endrín ketone	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	NÐ	ND
16	gamma-BHC (Lindane)	µg/kg	ND	ND	ND	0.818 J	ND	19.7	305	ND	ND	NÐ
17	gamma-Chlordane	µg/kg	NÐ	5,92	ND	ND	ND	ND	2.03	ND	ND	ND
18	Heptachlor	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
19	Heptachlor epoxide	µg/kg	ND	1.36 J	ND	ND	ND	ND	ND	ND	ND	ND
20	Methoxychlor	µg/kg	ND	ND	ND	ND	ND	ND	ND	NÐ	ND	ND
21	Toxaphene	µg/kg	ND	ND	NĎ	ND	NÐ	ND	ND	ND	ND	ND

#### NOTES:

J: Estimated amount between the detection limit and reporting limit

R: Data rejected

345	Boi	rehole →	E11-183	E11-183	E11-184	E11-184	E11-184	E11-184	E11-185	E11-185	E11-185	E11-185
No	Sam	nple ID →	S3	<b>\$4</b>	S1	52	S3	S4	S1	S2	S3	S4
	Analyte↓ De	pth, m $\rightarrow$	~5.0	~10.0	0.0~0.5	~2,0	~5.0	~8.75	0.0~0.5	~2.0	~5.0	~8.8
1	4,4'-DDD 1	µg/kg	150	ND	124	341 J	2.06 J	ND	427	257	2.61	ND
2	4,4'-DDE I	µg/kg	17.2	ND	97.9	142	1.08 J	ND	134	99.5	1.78 J	ND
3	4,4'-DDT I	µg/kg	89.7	0.726 J	620	3840	4,36	0,926 J	1510	422	11.2	ND
4	Aldrin	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
5	alpha-BHC	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
6	alpha-Chlordane J	µg/kg	ND	ND	6,43 J	ND						
7	beta-BHC I	µg/kg	ND	0.607 J	ND	ND	NĎ	ND	ND	ND	ND	ND
8	delta-BHC	µg/kg	ND	1.11 J	ND							
9	Dieldrin J	µg/kg	ND	ND	10.2 J	ND	ND	ND	34.1 J	ND	ND	ND
10	Endosulfan I µ	µg/kg	ND	ND	ND	ND	ND	ND	NÐ	ND	ND	ND
11	Endosulfan II 🛛 🖓	µg/kg	ND	ND	ND	ND	ND	ND	ND	NÐ	ND	ND
12	Endosulfan sulfate 🛛 🛛 🖉	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
13	Endrin µ	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
14	Endrin aldehyde 🛛 🛛 🛛	µg/kg	ND	ND	ND	ND	NÐ	ND	ND	ND	ND	ND
15	Endrin ketone p	µg/kg	ND	NÐ	ND							
16	gamma-BHC (Lindane) 🛛 🛛 🛛	µg/kg	3.07	1.21 J	ND							
17	gamma-Chlordane µ	µg/kg	ND	ND	5.17 J	ND	ND	ŅD	ND	ND	ND	ND
18	Heptachlor µ	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
19	Heptachlor epoxide µ	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
20	Methoxychlor µ	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
21	Toxaphene µ	⊥g/kg	ND	NÐ	ND							

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#### NOTES:

J: Estimated amount between the detection limit and reporting limit

R: Data rejected

	Borehol	e → E11-186	E11-186	E11-186	E11-186	E11-187	E11-187	E11-187	E11-187	E11-188	E11-188
No	Sample I	D → S1	S2	S3	S4	<b>S1</b>	S2	\$3	S4	S1	S2
3135×	Analyte↓ Depth, I	n → 0.0~0.5	~2.0	~5.0	~8.0	0.0~0.5	~2.0	~5.0	~10.0	0.0~0.5	~2.0
1	4,4'-DDD µg/kg	121	22.2	3,38	0.974 J	570 J	1750	3.21	1.34 J	2670	1640
2	4,4'-DDE µg/kg	72.1	18.7	2:32	ND	ND	217	0.953 J	ND	435 J	297 J
3	4,4'-DDT µg/kg	1130	178	18.4	4.57	1920	4570	8.04	ND	8020	4450
4	Aldrin µg/kg	ND	ND	ND	ND	ND	ND	ND	NÐ	ND	ND
5	alpha-BHC µg/kg	ND	ND	ND	ND	NÐ	ND	ND	ND	2,16	11.4 J
6	alpha-Chlordane µg/kg	ND	0.703 J	ND	ND	2.63	11.3 J	0.632 J	ND	5.23	9,9.1
7	beta-BHC µg/kg	ND	0.654 J	ND	ND	1.14 J	16,8	0.633 J	ND	6.46	9.76 J
8	delta-BHC µg/kg	ND	ND	ND	ND	ND	17,5	ND	ND	12.7	19.3
9	Dieldrin µg/kg	16.9 J	2.92	ND	ND	6.79	74.3	0.684 J	ND	ND	61,2
10	Endosulfan I µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11	Endosulfan II µg/kg	ND	ND	ND	ND	ND	ND	ND	NÐ	ND	ND
12	Endosulfan sulfate µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
13	Endrin µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
14	Endrin aldehyde µg/kg	ND	ND	ND	NÐ	ND	ND	ND	ND	ND	ND
15	Endrin ketone µg/kg	ND	ND	ND	ND	NÐ	ND	ND	ND	2.31 J	ND
16	gamma-BHC (Lindane) µg/kg	ND	ND	ND	ND	2,17	49.7	NÐ	ND	ND	190
17	gamma-Chlordane µg/kg	ND	0.744 J	ND	ND	2.54	15 J	ND	ND	6.89	12.6 J
18	Heptachlor µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
19	Heptachlor epoxide µg/kg	ND	ND	ND	ND	0.943 J	ND	ND	ND	ND	ND
20	Methoxychlor µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
21	Toxaphene µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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#### NOTES:

3: Estimated amount between the detection limit and reporting limit

R: Data rejected

	Bor	rehole →	E11-188	E11-188	E11-189	E11-189	E11-189	E11-189	E11-190	E11-190	E11-190	E11-190
No	Sam	ple ID →	\$3	S4	S1	S2	S3	<b>54</b>	S1	S2	S3	S4
	Analyte↓ Dep	oth, m $\rightarrow$	~5.0	~9.6	0,0~0.5	~2.0	~5,0	~10.0	0.0~0.5	~2.0	~5,0	~10.0
1	4,4'-DDD μ	ıg/kg	5.69	1.43 J	465	13.8	0.9 J	ND	ND	ND	ND	ND
2	4,4'-DDE µ	ug/kg	1.63 J	0.768 )	122	11.5	0.762 J	ND	ND	0.773 J	ND	ND
3	4,4'-DDT μ	lg∕kg	17,6	ND	1340	85,7	ND	ND	ND	1,51 J	25.8	<b>1.8</b> 7 J
4	Aldrin µ	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
5	alpha-BHC µ	ıg/kg	ND	ND	NÐ	ND	ND	NÐ	ND	ND	ND	ND
6	alpha-Chlordane µ	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7	beta-BHC µ	ıg/kg	ND	ND	13.5 J	1,25 J	1,18 J	ND	ND	ND	ND	ND
8	delta-BHC μ	ıg/kg	ND	ND	ND	ND	ND	ND	ND	NÐ	ND	ND
9	Dieldrin µ	lg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10	Endosulfan I 🛛 🗸 🗸	ıg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11	Endosulfan It 🛛 🛛 🕮	ıg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12	Endosulfan sulfate 🛛 🙀	ug/kg	ND	ND	ND	ND	ND	ND	NÐ	ND	ND	NĎ
13	Endrin μ	ug/kg	ND	ŇD	ND	ND	ND	ND	ND	ND	ND	ND
14	Endrin aldehyde 🛛 🛛 🗸	lg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
15	Endrin ketone 🛛 🙀	lg/kg	ND	ND	ND	ND	ND	NÐ	ND	ND	ND	ND
16	gamma-BHC (Lindane) μ	ig/kg	0.934 J	ND	56.5	2.41	ND	ND	ND	ND	ND	1.1 J
17	gamma-Chlordane µ	lg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
18	Heptachlor µ	g/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	NÐ
19	Heptachlor epoxide 🛛 🙀	g/kg	ND	ND	NÐ	ND	ND	ND	ND	ND	ND	ND
20	Methoxychlor µ	g/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	NÐ
21	Toxaphene µ	g/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

#### NOTES:

J: Estimated amount between the detection limit and reporting limit R: Data rejected

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		Borehole →	E11-191	E11-191	E11-191	E11-191	E11-192	E11-192	E11-192	E11-192	E11-193	E11-193
No	S	Sample ID $\rightarrow$	S1	52	\$3	S4	<b>Š1</b>	S2	\$3	<b>S4</b>	51	S2
	Analyte↓	Depth, m →	0.0~0.5	~2.0	~5.0	~7,7	0.0~0,5	~2.0	~5.0	~10.0	0.0~0,5	~2.0
1	4,4'-DDD	µg/kg	2.46	4560	23.8	207	ND	1.4 J	12,7	0.972 J	2.64	7,34
2	4,4'-DDE	µg/kg	2,58	ND	0.925 J	8.51	ND	1.37 J	21.8	ND	4,88	10.2
3	4,4'-DDT	µg/kg	5,39	20000	129	1220	ND	3.04	95.9	8	16	41
4	Aldrin	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
5	alpha-BHC	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
6	alpha-Chlordane	µg/kg	ND	ND	ND	ND	ND	ND	0,607 J	ND	ND	ND
7	beta-BHC	µg/kg	ND	ND	NÐ	ND	ND	ND	ND	ND	ND	ND
8	delta-BHC	µg/kg	ND	1.29 J	ND	ND	ND	ND	ND	ND	ND	ND
9	Dieldrin	µg/kg	ND	ND	ND	ND	ND	ND	0.772 J	ND	ND	ND
10	Endosulfan I	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11	Endosulfan II	µg/kg	ND	ND R	ND	ND	ND	ND	ND	ND	ND	NÐ
12	Endosulfan sulfate	µg/kg	ND	ND	ND	ND	ND	ND	ND	NÐ	ND	ND
13	Endrin	µg/kg	ND	ND R	ND	ND	ND	ND	ND	ND	ND	ND
14	Endrin aldehyde	µg/kg	ND	ND	ND	ND	ND	NÐ	ND	ND	ND	ND
15	Endrin ketone	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
16	gamma-BHC (Lindane)	µg/kg	ND	2.88	ND	0.778 J	ND	ND	0.987 J	ND	ND	ND
17	gamma-Chlordane	µg/kg	ND	ND	NÐ	ND	ND	ND	0.709 J	ND	ND	ND
18	Heptachlor	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
19	Heptachlor epoxide	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
20	Methoxychlor	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
21	Toxaphene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

#### NOTES:

J: Estimated amount between the detection limit and reporting limit

R: Data rejected

3361

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		Borehole <del>&gt;</del>	E11-193	E11-193	E11-194	E11-194	E11-194	E11-194	E11-195	E11-195	E11-195	E11-195
No	S	iample ID $\rightarrow$	S3	\$4	S1	<b>\$2</b>	S3	54	S1	S2	53	S4
	Analyte↓	Depth, m →	∾5.0	~8.6	0,3~0.8	~2.0	~5.0	~10.0	0.3~0.8	~2.0	~5.0	~10.0
1	4,4'-DDD	µg/kg	ND	ND	1.49 J	ND	ND	ND	ND	ND	ND	ND
2	4,4'-DDE	µg/kg	ND	NÐ	2.09 J	NÐ	ND	ND	1.41 J	ND	ND	ND
3	4,4'-DDT	μg/kg	1.11 Į	ND	ND	ND	ND	NÐ	1.31 J	ND	ND	ND
4	Aldrin	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
5	alpha-BHC	µg/kg	ND	ND	ND	ND	ND	ND	NĎ	ND	NÐ	ND
6	alpha-Chlordane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7	beta-BHC	µg/kg	ND	ND	ND	ND	NÐ	ND	ND	ND	ND	ND
8	delta-BHC	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9	Dieldrin	µg/kg	ND	ND	ND	ND	ND	ND	ND	NÐ	ND	ND
10	Endosulfan I	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11	Endosulfan II	µg/kg	ND	ND	NÐ	ND	ND	ND	ND	ND	ND	ND
12	Endosulfan sulfate	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
13	Endrin	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
14	Endrin aldehyde	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
15	Endrin ketone	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
16	gamma-BHC (Lindane)	µg/kg	ND	0,76 J	NÐ	NÐ	ND	ND	ND	ND	ND	ND
17	gamma-Chiordane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
18	Heptachlor	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
19	Heptachlor epoxide	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
20	Methoxychlor	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
21	Toxaphene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

#### NOTES:

J: Estimated amount between the detection limit and reporting limit

R: Data rejected

3362

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		Borehole →	E11-196	E11-196	E11-196	E11-196
No		Sample ID $\rightarrow$	S1	S2	<b>S3</b>	<b>\$4</b>
	Analyte↓	Depth, m →	0.3~0.8	~2,3	~5.3	~10.3
1	4,4'-DDD	μg/kg	3.86	ND	ND	ND
2	4,4'-DDE	µg/kg	9,1	ND	ND	ND
3	4,4'-DDT	µg/kg	21.1	ND	ND	ND
4	Aldrin	μg/kg	ND	ND	ND	ND
5	alpha-BHC	µg/kg	ND	ND	ND	ND
6	alpha-Chiordane	μg/kg	ND	ND	ND	ND
7	beta-BHC	µg/kg	ND	ND	ND	ND
8	delta-BHC	µg/kg	ND	ND	ND	ND
9	Dieldrin	μg/kg	ND	ND	ND	ND
10	Endosulfan I	µg/kg	ND	ND	ND R	ND
11	Endosulfan II	µg/kg	ND	ND	ND	ND
12	Endosulfan sulfate	µg/kg	ND	ND	ND	ND
13	Endrin	μg/kg	ND	ND	ND	ND
14	Endrin aldehyde	µg/kg	ND	ND	ND	ND
15	Endrin ketone	µg/kg	NÐ	ND	ND	ND
16	gamma-BHC (Lindane)	µg/kg	ND	ND	ND	ND
17	gamma-Chlordane	µg/kg	ND	ND	ND	ND
18	Heptachlor	μg/kg	ND	ND	ND	NÐ
19	Heptachlor epoxide	µg/kg	ND	ND	ND	ND
20	Methoxychlor	µg/kg	ND	ND	ND	ND
21	Toxaphene	µg/kg	ND	ND	ND	ND

3363

#### NOTES:

J: Estimated amount between the detection limit and reporting limit

R: Data rejected

		Borehole →	E11-154	E11-154	E11-155	E11-155	E11-156	E11-156	E11-156	E11-157	E11-157	E11-157
No		Sample ID $\rightarrow$	S1	S2	S1	<b>\$2</b>	S1	S2	S3	S1	S2	S3
	Analyte↓	Depth, m $\rightarrow$	0.0~0.5	~2.3	0.0~0.5	~1.8	0.0~0.5	~2.0	~6.45	0.0~0.5	~2.0	~4.5
1	Bolstar	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2	Chlorpyrifos	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3	Coumaphos	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4	Demeton	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
5	Diazinon	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
6	Dichlorvos	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7	Dimethoate	µg/kg	ND	ND	ND	NĎ	ND	ND	ND	ND	ND	ND
8	Disulfoton	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9	EPN	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10	Ethoprop	µg/kg	ND	ND	ND	ND	ND	ND	ND	NÐ	ND	ND
11	Ethyl Parathion	µg/kg	ND	ND	ND	NÐ	ND	ND	ND	NÐ	ND	ND
12	Fensulfothion	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
13	Fenthion	µg/kg	NÐ	ND	ND	ND	ND	ND	ND	ND	ND	ND
14	Malathion	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
15	Methyl Azinphos(Guthion)	μg/kg	NÐ	ND	ND	ND	ND	ND	ND	ND	ND	ND
16	Methyl Parathion	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
17	Merphos	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
18	Mevinphos	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
19	Monocrotophos	μg/kg	ND	ND R	ND	ND	ND	ND	ND	ND	ND	ND
20	Naled	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
21	Phorate	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
22	Ronnel	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
23	Sulfotep	μg/kg	NU	NU	NU	NÐ	ND	ND	ND	NŬ	ND	ND
	Stirophos	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
25	ТЕРР	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
26	Tokuthion	μg/kg	ND	NÐ	ND	ND	ND	ND	ND	ND	ND	ND
27	Trichloronate	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

# Table 6. Summary of Organophosphorus Pesticide Results for Phase II and IIb Soil Samples

NOTES:

R: Data rejected

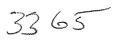
ND: Not detected

		Borehole →	E11-158	E11-158	E11-158	E11-158	E11-159	E11-159	E11-159	E11-159	E11-160	E11-160
No		Sample ID →	S1	S2	53	S4	\$1	S2	\$3	54	S1	S2
	Analyte 🗸	Depth, m $\rightarrow$	0,0~0.5	~2.0	~5.0	~8.5	0.0~0.5	~2.0	~5.0	~10.0	0.0~0.5	~2,0
1	Bolstar	µg/kg	ND	ND	ND	NÐ	ND	ND	ND	ND	NÐ	ND
2	Chlorpyrifos	µg/kg	ND									
3	Coumaphos	µg/kg	ND									
4	Demeton	µg/kg	ND									
5	Diazinon	µg/kg	ND	NÐ	ND							
	Dichlorvos	µg/kg	ND									
	Dimethoate	µg/kg	ND	ND	ND	ND	ŇĎ	ND	ND	ND	ND	ND
8	Disulfoton	µg/kg	NÐ	ND								
9	EPN	µg/kg	ND	ND	ND	NÐ	ND	ND	ND	ND	ND	ND
10	Ethoprop	µg/kg	ND									
	Ethyl Parathion	µg/kg	ND									
	Fensulfothion	µg/kg	ND									
13	Fenthion	µg/kg	ND									
	Malathion	µg/kg	ND									
15	Methyl Azinphos(Guthion)	µg/kg	ND	NÐ	ND							
	Methyl Parathion	µg/kg	ND									
	Merphos	µg/kg	ND	ND	ND	NÐ	ND	ND	ND	ND	ND	ND
_	Mevinphos	µg/kg	ND	ND	ND	ND	NÐ	ND	ND	ND	ND	ND
	Monocrotophos	µg/kg	ND	ND R								
	Naled	µg/kg	ND									
	Phorate	µg/kg	ND	ND	NĎ	ND	ND	ND	NÐ	ND	ND	ND
	Ronnel	µg/kg	ND	ND	ND	ND	ND	ND	NÐ	ND	ND	ND
23	Sulfotep	µg/kg	ND	ND	NÜ	ND	ND	NŬ	ND	NÜ	ND	ND
	Stirophos	µg/kg	ND									
	ТЕРР	µg/kg	ND									
	Tokuthion	µg/kg	ND	ND	ND	ND	ND	ND	NÐ	ND	ND	ND
27	Trichloronate	µg/kg	ND									

NOTES:

R: Data rejected

ND: Not detected



		Sorehole →	E11-160	E11-161	E11-161	E11-161	E11-161	E11-162	E11-162	E11-163	E11-163	E11-163
No		Sample ID →	S3	<b>S1</b>	<b>S2</b>	S3	S4	S1	S2	S1	S2	<b>S</b> 3
999	Analyte↓	Depth, m →	~3.4	0.0~0.5	~2,0	~5.0	~7,9	0.0~0.5	~1.52	0.0~0.5	~2.0	~5,0
1	Bolstar	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2	Chlorpyrifos	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3	Coumaphos	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	NÐ
4	Demeton	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
5	Diazinon	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
6	Dichlorvos	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7	Dimethoate	µg/kg	ND	ND	ND	ND	ND	ND	ND	NÐ	ND	ND
8	Disulfoton	µg/kg	ND	ND	NÐ	ND						
9	EPN	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10	Ethoprop	µg/kg	ND	ND	ND	ND	ND	ND	NÐ	ND	ND	ND
11	Ethyl Parathion	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Fensulfothion	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Fenthion	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Malathion	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Azinphos(Guthion)	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Parathion	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Merphos	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
18	Mevinphos	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monocrotophos	µg/kg	ND	ND	ND	ND	ND	ND	NÐ	ND	ND	ND
	Naled	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Phorate	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ronnel	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
23	Sulfotep	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Stirophos	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
_	TEPP	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tokuthion	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
27	Trichioronate	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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NOTES:

R: Data rejected

ND: Not detected

		Borehole →	E11-163	E11-164	E11-164	E11-164	E11-164	E11-165	E11-165	E11-165	E11-165	E11-166
No		Sample ID →	S4	S1	S2	S3	S4	S1	S2	S3	S4	S1
	Analyte J	Depth, m →	~10.0	0.0~0.5	~2.0	~5,0	~11.0	0.0~0.5	~2.0	~5.0	~10.0	0.3~0.8
1	Bolstar	μg/kg	ND									
2	Chlorpyrifos	μg/kg	ND									
3	Coumaphos	µg/kg	ND									
4	Demeton	μg/kg	ND									
5	Diazinon	µg/kg	ND									
6	Dichlorvos	μg/kg	ND									
7	Dimethoate	µg/kg	ND									
8	Disulfoton	µg/kg	ND									
9	EPN	µg/kg	ND	NĎ	ND	ND	ND	NÐ	ND	ND	ND	ND
10	Ethoprop	μg/kg	ND									
11	Ethyl Parathion	µg/kg	ND									
12	Fensulfothion	µg/kg	ND									
13	Fenthion	µg/kg	ND	ND	ND	ND	ND	NÐ	ND	ND	ND	ND
14	Malathion	μg/kg	ND	ND	ND	NÐ	ND	NÐ	NÐ	ND	ND	ND
15	Methyl Azinphos(Guthion)	μg/kg	ND									
16	Methyl Parathion	µg/kg	ND									
17	Merphos	µg/kg	ND									
18	Mevinphos	μg/kg	ND	NÐ								
19	Monocrotophos	µg/kg	ND									
20	Naled	µg/kg	ND									
21	Phorate	µg/kg	ND	ND	ND	NÐ	ND	ND	ND	ND	ND	ND
22	Ronnel	μg/kg	ND	ND	ND	ND	ND	NÐ	ND	ND	ND	ND
23	Sulfotep	µg/kg	ND									
24	Stirophos	µg/kg	ND									
25	TEPP	µg/kg	ND									
26	Tokuthion	µg/kg	ND									
27	Trichloronate	µg/kg	ND									

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NOTES:

R: Data rejected

ND: Not detected

		$\exists orehole \rightarrow$	E11-166	E11-167	E11-167	E11-167	E11-168	E11-168	E11-169	E11-169	E11-170	E11-170
No		Sample ID $\rightarrow$	S2	S1	S2	S3	S1	<b>\$2</b>	\$1	S2	S1	S2
	Analyte↓	Depth, m →	2.7	0.0~0.5	~2.0	~5.5	0.0~0.5	~3.0	0.0~0.5	~1,8	0.0~0.5	~2.0
1	Bolstar	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	NÐ	ND
2	Chlorpyrifos	µg/kg	NÐ	ND	ND	ND	ND	ND	NÐ	ND	ND	ND
3	Coumaphos	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4	Demeton	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
5	Diazinon	µg/kg	ND	NÐ	ND	ND	ND	ND	ND	ND	ND	ND
6	Dichlorvos	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7	Dimethoate	µg/kg	ND	ND	ND	ND	ND	ND	NÐ	ND	ND	ND
8	Disulfoton	µg/kg	ND	ND	ND	NÐ	ND	ND	ND	ND	ND	ND
9	EPN	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10	Ethoprop	µg/kg	NÐ	ND	ND	ND	ND	ND	ND	ND	ND	ND
11	Ethyl Parathion	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12	Fensulfothion	μg/kg	ND	ND	ND	ND	ND	ND	ND	NÐ	ND	ND
13	Fenthion	µg/kg	ND	ND	ND	ND	NÐ	ND	ND	ND	ND	ND
14	Malathion	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
15	Methyl Azinphos(Guthion)	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
16	Methyl Parathion	µg/kg	ND	ND	ND	ND	ND	ND	NÐ	ND	ND	ND
17	Merphos	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
18	Mevinphos	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
19	Monocrotophos	µg/kg	NĎ	ND	ND	ND	ND	ND	ND	ND	ND	ND
20	Naled	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
21	Phorate	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
22	Ronnel	µg/kg	NÜ	ND	ND	ND	ND	ND	ND	ND	ND	ND
23	Sulfotep	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
_	Stirophos	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	TEPP	µg/kg	ND	ND	ND	ND	ND	ND	ND	NÐ	ND	ND
26	Tokuthion	µg/kg	ND	ND	ND	NÐ	ND	ND	ND	ND	ND	ND
27	Trichloronate	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:

R: Data rejected

ND: Not detected

3368

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		Borehole →	E11-170	E11-170	E11-171	E11-171	E11-171	E11-172	E11-172	E11-172	E11-172	E11-173
No		Sample ID $\rightarrow$	S3	S4	S1	S2	S3	S1	\$2	53	S4	S1
	Analyte↓	Depth, m →	~5.0	~7.5	0.0~0.5	~2.0	~6.5	0.0~0.5	~2,0	~5.0	~8.7	0.0~0.5
1	Bolstar	µg/kg	ND	NÐ	ND							
2	Chlorpyrifos	μg/kg	ND									
3	Coumaphos	µg/kg	ND	ND	NÐ	ND	ND	ND	NÐ	ND	ND	ND
4	Demeton	µg/kg	ND									
5	Diazinon	µg/kg	ND	ND	ND	ND	ND	NÐ	ND	ND	ND	ND
6	Dichlorvos	μg/kg	ND									
7	Dimethoate	µg/kg	ND									
8	Disulfoton	µg/kg	ND									
9	EPN	µg/kg	ND	ND	ND	ND	NÐ	ND	ND	NÐ	ND	ND
10	Ethoprop	µg/kg	ND	NÐ	ND							
11	Ethyl Parathion	µg/kg	ND									
12	Fensulfothion	µg/kg	ND	NĎ	ND	ND						
13	Fenthion	μg/kg	ND									
14	Malathion	µg/kg	ND									
15	Methyl Azinphos(Guthion)	µg/kg	ND									
16	Methyl Parathion	µg/kg	ND									
17	Merphos	µg/kg	ND									
18	Mevinphos	µg/kg	ND	ND	ND	ND	NÐ	ND	ND	ND	ND	NÐ
19	Monocrotophos	µg/kg	ND	ND	ND	NÐ	ND	ND	ND	ND	ND R	ND
20	Naled	µg/kg	ND									
21	Phorate	µg/kg	ND	ND	ND	ND	ND	ND	NÐ	ND	ND	ND
22	Ronnel	µg/kg	ND									
23	Sulfotep	µg/kg	ND									
-	Stirophos	µg/kg	ND									
25	ТЕРР	µg/kg	ND	ND R	ND							
26	Tokuthion	µg/kg	ND	NĎ	ND	ND	ND	ND	NÐ	ND	ND	ND
27	Trichloronate	µg/kg	ND									

NOTES:

R: Data rejected

NU: Not detected

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	Contraction and the second	Borehole →	E11-173	E11-173	E11-173	E11-174	E11-174	E11-174	E11-174	E11-175	E11-175	E11-175
No		Sample ID $\rightarrow$	S2	S3	S4	S1	S2	S3	S4	S1	S2	S3
	Analyte↓	Depth, m $\rightarrow$	~2.0	~5.0	~10.0	0.3~0.8	~2.3	2.3~5.3	~8.9	0.0~0.5	~2.0	~5.0
1	Bolstar	µg/kg	ND	NÐ	ND	ND						
2	Chlorpyrifos	µg/kg	ND	ND	ND	NÐ	ND	ND	ND	ND	ND	ND
3	Coumaphos	µg/kg	ND									
4	Demeton	µg/kg	ND									
5	Diazinon	µg/kg	ND	NÐ								
6	Dichlorvos	µg/kg	ND									
7	Dimethoate	µg/kg	ND	NÐ	ND	ND						
8	Disulfoton	µg/kg	ND									
9	EPN	µg/kg	ND									
10	Ethoprop	µg/kg	ND									
11	Ethyl Parathion	µg/kg	ND									
12	Fensulfothion	µg/kg	ND	NĎ								
13	Fenthion	µg/kg	ND	NĎ								
14	Malathion	µg/kg	ND	NĎ	ND							
15	Methyl Azinphos(Guthion)	μg/kg	ND									
16	Methyl Parathion	µg/kg	ND	NÐ								
17	Merphos	µg/kg	ND									
	Mevinphos	µg/kg	ND									
19	Monocrotophos	µg/kg	ND	NÐ	ND							
20	Naled	µg/kg	NÐ	ND								
21	Phorate	µg/kg	ND									
22	Ronnel	µg/kg	ND									
23	Sulfotep	µg/kg	ND									
24	Stirophos	μg/kg	ND									
	ТЕРР	μg/kg	ND									
26	Tokuthion	µg/kg	ND									
27	Trichloronate	µg/kg	ND									

NOTES:

R: Data rejected

ND: Not detected

3370

\$

		Borehole →	E11-175	E11-176	E11-176	E11-176	E11-176	E11-177	E11-177	E11-177	E11-177	E11-178
No		Sample ID $\rightarrow$	S4	S1	S2	S3	S4	S1	S2	53	<u>\$4</u>	S1
	Analyte↓	Depth, m →	~7,25	0.0~0.5	~2.0	~5.0	~10.0	0.4~0.9	~2.4	~5.4	~9.0	0.0~0.5
1	Bolstar	μg/kg	ND	ND								
2	Chlorpyrifos	µg/kg	ND	ND								
3	Coumaphos	µg/kg	ND	ND								
4	Demeton	µg/kg	ND	ND								
5	Diazinon	µg/kg	ND	ND								
6	Dichlorvos	µg/kg	ND	ND								
7	Dimethoate	µg/kg	ND	ND								
8	Disulfoton	μg/kg	ND	ND								
9	EPN	µg/kg	ND	ND								
10	Ethoprop	μg/kg	ND	ND .	ND							
11	Ethyl Parathion	µg/kg	ND	ND								
12	Fensulfothion	µg/kg	ND	ND								
13	Fenthion	µg/kg	ND	ND	ND	NÐ	ND	ND	ND	ND	ND	ND
14	Malathion	µg/kg	ND	ND								
15	Methyl Azinphos(Guthion)	µg/kg	NÐ	ND	ND							
16	Methyl Parathion	μg/kg	ND	ND								
17	Merphos	µg/kg	ND	ND								
18	Mevinphos	µg/kg	ND	ND								
19	Monocrotophos	µg/kg	NÐ	ND	ND							
20	Naled	µg/kg	ND	NĎ	ND	ND						
21	Phorate	µg/kg	ND	ND	ND	ND	ND	ND	NÐ	ND	ND	ND
22	Ronnel	µg/kg	NÐ	ND	ND							
23	Sulfotep	µg/kg	ND	ND								
	Stirophos	µg/kg	ND	ND								
25	ТЕРР	µg/kg	ND	ND								
26	Tokuthion	µg/kg	ND	ND	ND	ND	ND	ND	NÐ	NÐ	ND	ND
27	Trichloronate	μg/kg	ND	ND								

NOTES:

R: Data rejected

ND: Not detected

		Borehole →	E11-178	E11-178	E11-178	E11-179	E11-179	E11-179	E11-179	E11-180	E11-180	E11-180
No		Sample ID →	S2	\$3	S4	<b>S1</b>	S2	S3	S4	S1	S2	S3
	Anaiyte↓	Depth, m →	~2.0	~5.0	~10.0	0.0~0.5	~2.0	~5.0	~10.0	0.0~0.5	~2.0	~5.0
1	Bolstar	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2	Chlorpyrifos	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3	Coumaphos	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4	Demeton	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
5	Diazinon	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
6	Dichlorvos	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7	Dimethoate	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
8	Disulfoton	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9	EPN	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10	Ethoprop	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11	Ethyl Parathion	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12	Fensulfothion	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
13	Fenthion	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
14	Malathion	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
15	Methyl Azinphos(Guthion)	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
16	Methyl Parathion	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
17	Merphos	μg/kg	ND	NÐ	ND	ND	ND	ND	ND	ND	ND	ND
18	Mevinphos	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Monocrotophos	µg/kg	ND	NĎ	ND	NÐ	ND	ND	ND R	ND	ND	ND
20	Naled	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
21	Phorate	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	NĎ	ND
	Ronnel	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
23	Sulfotep	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Stirophos	µg/kg	ND	NÐ	ND	ND	ND	NĎ	ND	ND	ND	ND
	ТЕРР	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tokuthion	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
27	Trichloronate	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:

R: Data rejected

ND: Not detected

3372

		Borehole →	E11-180	E11-181	E11-181	E11-181	E11-182	E11-182	E11-182	E11-182	E11-183	E11-183
No		Sample ID →	S4	S1	S2	S3	\$1	\$2	S3	S4	<b>\$1</b>	S2
	Analyte↓	Depth, m →	~10.0	0.0~0.5	~2.0	~5.0	0.0~0.5	~2.0	~5.0	~10.0	0,0~0,5	~2.0
1	Bolstar	µg/kg	ND	ND								
2	Chlorpyrifos	µg/kg	ND	ND								
3	Coumaphos	μg/kg	ND	ND								
4	Demeton	µg/kg	NÐ	NÐ	ND	ND						
5	Diazinon	µg/kg	ND	ND								
6	Dichlorvos	µg/kg	ND	ND								
7	Dimethoate	μg/kg	ND	ND								
8	Disulfoton	µg/kg	ND	NÐ	ND	ND						
9	EPN	µg/kg	NÐ	NÐ	ND	NÐ	ND	ND	ND	ND	ND	ND
10	Ethoprop	µg/kg	ND	ND								
11	Ethyl Parathion	µg/kg	ND	ND								
12	Fensulfothion	µg/kg	ND	NÐ	ND	NÐ	ND	ND	ND	ND	ND	ND
13	Fenthion	µg/kg	ND	ND								
14	Malathion	µg/kg	ND	ND	ND	ND	NÐ	ND	ND	ND	ND	ND
15	Methyl Azinphos(Guthion)	μg/kg	ND	ND								
16	Methyl Parathion	μg/kg	ND	ND								
17	Merphos	µg/kg	NÐ	ND	ND							
18	Mevinphos	µg/kg	ND	ND	ND	NÐ	ND	ND	ND	NÐ	ND	ND
19	Monocrotophos	µg/kg	ND	ND								
20	Naled	µg/kg	NÐ	ND	ND							
21	Phorate	µg/kg	ND	ND								
22	Ronnel	µg/kg	ND	ND								
23	Sulfotep	μg/kg	ND [	ND	NÐ	ND						
24	Stirophos	µg/kg	NÐ	ND	ND							
	TEPP	µg/kg	ND	ND	ND	ND	ND	ND	NÐ	ND	ND	ND
	Tokuthion	µg/kg	ND	ND								
27	Trichloronate	μg/kg	ND	ND								

NOTES:

R: Data rejected

ND: Not detected

		Borehole →	E11-183	E11-183	E11-184	E11-184	E11-184	E11-184	E11-185	E11-185	E11-185	E11-185
No		Sample ID →	S3	S4	S1	S2	S3	S4	S1	S2	S3	S4
	Analyte↓	Depth, m →	~5.0	~10.0	0.0~0.5	~2.0	~5,0	~8.75	0.0~0.5	~2,0	~5,0	~8.8
1	Bolstar	µg/kg	ND									
2	Chlorpyrifos	µg/kg	ND									
3	Coumaphos	µg/kg	ND									
4	Demeton	µg/kg	ND									
5	Diazinon	µg/kg	ND									
6	Dichlorvos	µg/kg	ND									
7	Dimethoate	µg/kg	ND									
8	Disulfoton	µg/kg	ND									
9	EPN	µg/kg	ND									
10	Ethoprop	µg/kg	ND									
11	Ethyl Parathion	µg/kg	ND									
12	Fensulfothion	μg/kg	ND									
13	Fenthion	µg/kg	ND	NÐ	ND	ND						
14	Malathion	µg/kg	ND	NĎ	ND	ND	ND	ND	ND	NÐ	ND	ND
15	Methyl Azinphos(Guthion)	µg/kg	ND									
16	Methyl Parathion	µg/kg	ND	ND	ND	ND	ND	ND	NÐ	ND	ND	ND
17	Merphos	µg/kg	ND	ND	ND	ND	NÐ	ND	ND	ND	ND	ND
18	Mevinphos	µg/kg	ND									
19	Monocrotophos	µg/kg	ND									
20	Naled	μg/kg	ND									
21	Phorate	μg/kg	ND	ND	ND	NÐ	ND	ND	ND	ND	ND	ND
22	Ronnel	µg/kg	ND									
23	Sulfotep	µg/kg	ND									
24	Stirophos	µg/kg	ND									
	ТЕРР	µg/kg	ND									
26	Tokuthion	µg/kg	ND									
27	Trichloronate	µg/kg	ND									

NOTES:

R: Data rejected

ND. Not detected



.

		Borehole →	E11-186	E11-186	E11-186	E11-186	E11-187	E11-187	E11-187	E11-187	E11-188	E11-188
No		Sample ID $\rightarrow$	S1	S2	53	\$4	\$1	S2	S3	S4	S1	S2
	Analyte	Depth, m →	0.0~0.5	~2.0	~5.0	~8.0	0.0~0.5	~2.0	~5,0	~10.0	0,0~0.5	~2.0
1	Bolstar	µg/kg	ND									
2	Chlorpyrifos	µg/kg	ND									
3	Coumaphos	μg/kg	ND									
4	Demeton	µg/kg	ND									
5	Diazinon	µg/kg	ND									
6	Dichlorvos	µg/kg	ND									
7	Dimethoate	µg/kg	ND									
8	Disulfoton	µg/kg	ND									
9	EPN	µg/kg	ND	ND	ND	ND	ND	NÐ	ND	ND	ND	ND
10	Ethoprop	µg/kg	ND									
11	Ethyl Parathion	µg/kg	ND	ND	ND	ND	ND	ND	NÐ	ND	ND	ND
12	Fensulfothion	μg/kg	ND									
13	Fenthion	µg/kg	ND									
14	Malathion	µg/kg	ND									
15	Methyl Azinphos(Guthion)	µg/kg	ND									
16	Methyl Parathion	µg/kg	NÐ	ND								
17	Merphos	µg/kg	ND									
18	Mevinphos	µg/kg	ND									
19	Monocrotophos	µg/kg	ND	ND	ND	ND	ND	NÐ	ND	ND	ND	ND
20	Naled	µg/kg	ND	NÐ	ND	ND						
21	Phorate	µg/kg	ND	ND .	ND							
22	Ronnel	µg/kg	ND									
23	Sulfotep	µg/kg	ND									
24	Stirophos	µg/kg	ND									
	TEPP	µg/kg	ND									
26	Tokuthion	µg/kg	ND									
27	Trichloronate	µg/kg	ND									

NOTES:

R: Data rejected

ND. Not detected

		Borehole $\rightarrow$	E11-188	E11-188	E11-189	E11-189	E11-189	E11-189	E11-190	E11-190	E11-190	E11-190
No		Sample ID →	S3	S4	<b>S1</b>	S2	S3	S4	S1	S2	S3	54
62,0	Analyte↓	Depth, m $\rightarrow$	~5,0	~9.6	0.0~0.5	~2.0	~5.0	~10.0	0.0~0.5	~2.0	~5.0	~10.0
1	Bolstar	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2	Chlorpyrifos	µg/kg	NÐ	ND	ND	ND	ND	ND	ND	ND	ND	ND
3	Coumaphos	μg/kg	ND	ND	NÐ	ND						
4	Demeton	μg/kg	ND	ND	ND	ND	ND	NÐ	ND	ND	ND	ND
5	Diazinon	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
6	Dichlorvos	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7	Dimethoate	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
8	Disulfoton	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9	EPN	µg/kg	ND	ND	ND	NÐ	ND	NÐ	ND	ND	ND	ND
10	Ethoprop	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11	Ethyl Parathion	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12	Fensulfothion	µg/kg	ND	ND	ND	ND	ND	NÐ	ND	ND	ND	ND
13	Fenthion	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	NÐ
14	Malathion	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
15	Methyl Azinphos(Guthion)	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
16	Methyl Parathion	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
17	Merphos	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
18	Mevinphos	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
19	Monocrotophos	μg/kg	ND	ND	ND	ND	ND	ND .	ND	NÐ	ND	ND
20	Naled	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
21	Phorate	µg/kg	ND	ND	ND	ND	ND	NÐ	ND	ND	ND	ND
22	Ronnel	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
23	Sulfotep	µg/kg	NU	NU	NU	NU	NU	ND	ND	NŬ	ND	ND
24	Stirophos	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
25	TEPP	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND R
26	Tokuthion	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
27	Trichloronate	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:

R: Data rejected

ND: Not detected

		Borehole →	E11-191	E11-191	E11-191	E11-191	E11-192	E11-192	E11-192	E11-192	E11-193	E11-193
No		Sample ID →	S1	S2	S3	\$4	S1	S2	S3	S4	S1	S2
	Analyte↓	Depth, m →	0.0~0.5	~2.0	~5.0	~7.7	0.0~0.5	~2.0	~5.0	~10.0	0.0~0.5	~2.0
1	Bolstar	µg/kg	ND									
2	Chlorpyrifos	µg/kg	ND									
3	Coumaphos	µg/kg	ND									
4	Demeton	μg/kg	ND									
5	Diazinon	µg/kg	ND									
6	Dichlorvos	µg/kg	ND									
7	Dimethoate	µg/kg	ND									
8	Disulfoton	μg/kg	ND									
9	EPN	µg/kg	NÐ	ND	ND	ND	ND	ND	NÐ	ND	ND	ND
10	Ethoprop	µg/kg	ND									
11	Ethyl Parathion	µg/kg	ND									
12	Fensulfothion	µg/kg	ND	ND	ND	ND	ND	ND	NÐ	ND	ND	ND
13	Fenthion	µg/kg	ND									
14	Malathion	µg/kg	ND	ND	ND	ND	ND	NÐ	ND	ND	ND	ND
15	Methyl Azinphos(Guthion)	µg/kg	ND									
16	Methyl Parathion	µg/kg	ND	NÐ								
	Merphos	µg/kg	ND	ND	ND	NÐ	ND	ND	ND	ND	ND	ND
18	Mevinphos	µg/kg	ND									
19	Monocrotophos	μg/kg	ND									
20	Naled	µg/kg	ND									
21	Phorate	µg/kg	ND									
	Ronnel	µg/kg	ND	ND	NÐ	ND						
23	Sulfotep	µg/kg	ND	NÐ								
	Stirophos	µg/kg	ND	NÐ	ND							
	ТЕРР	µg/kg	ND									
	Tokuthion	µg/kg	ND									
27	Trichloronate	μg/kg	ND	ND	ND	NÐ	ND	ND	ND	ND	ND	ND

NOTES:

R: Data rejected

ND: Not detected

		Borehole →	E11-193	E11-193	E11-194	E11-194	E11-194	E11-194	E11-195	E11-195	E11-195	E11-195
No		Sample ID →	S3	S4	S1	S2	S3	S4	<b>S1</b>	52	S3	S4
	Analyte↓	Depth, m →	~5.0	~8.6	0.3~0.8	~2.0	~5.0	~10.0	0.3~0.8	~2.0	~5.0	~10,0
1	Bolstar	μg/kg	ND	ND	ND	ND						
2	Chlorpyrifos	µg/kg	ND	ND	NÐ	ND						
3	Coumaphos	µg/kg	ND	ND	ND	ND						
4	Demeton	µg/kg	ND	ND	ND	ND						
5	Diazinon	μg/kg	ND	ND	ND	ND						
6	Dichlorvos	μg/kg	ND	ND	ND	ND	ND	ND	NÐ	ND	ND	ND
7	Dimethoate	µg/kg	ND	ND	ND	ND						
8	Disulfoton	µg/kg	ND	ND	NÐ	ND	ND	ND	ND	ND	ND	ND
9	EPN	µg/kg	ND	NÐ	ND	ND						
10	Ethoprop	µg/kg	ND	ND	ND	ND	ND	ND	NÐ	ND	ND	ND
11	Ethyl Parathion	µg/kg	ND	ND	ND	ND						
12	Fensulfothion	µg/kg	ND	ND	NÐ	ND						
13	Fenthion	μg/kg	ND	ND	ND	ND						
14	Malathion	µg/kg	ND	ND	ND	NÐ	ND	ND	ND	ND	ND	ND
15	Methyl Azinphos(Guthion)	μg/kg	ND	ND	ND	ND						
16	Methyl Parathion	µg/kg	ND	ND	ND	ND	ND	ND	NÐ	ND	ND	ND
17	Merphos	µg/kg	ND	ND	ND	ND						
18	Mevinphos	μg/kg	ND	ND	ND	ND						
19	Monocrotophos	µg/kg	ND	NÐ	ND	ND						
20	Naled	µg/kg	ND	ND	ND	ND						
21	Phorate	μg/kg	ND	ND	ND	ND						
22	Ronnel	µg/kg	ND	ND	ND	ND						
23	Sulfotep	µg/kg	NU	NU	NU	NU	NU	ND	NŬ	ND	NU	ND
24	Stirophos	µg/kg	ND	ND	ND	ND						
	ТЕРР	µg/kg	ND	ND	ND	ND	ND	NÐ	ND	ND	ND	ND
	Tokuthion	µg/kg	ND	ND	ND	ND						
27	Trichloronate	µg/kg	ND	ND	ND	ND						

NOTES:

R: Data rejected

ND: Not detected

33.78

		Borehole →	E11-196	E11-196	E11-196	E11-196
No		Sample ID →	S1	S2	53	54
	Analyte↓	Depth, m $\rightarrow$	0.3~0.8	~2.3	~5.3	~10.3
1	Bolstar	μg/kg	ND	ND	ND	ND
2	Chlorpyrifos	μg/kg	ND	ND	ND	ND
3	Coumaphos	μg/kg	ND	ND	ND	ND
4	Demeton	µg/kg	ND	ND	ND	ND
5	Diazinon	µg/kg	ND	ND	ND	ND
6	Dichlorvos	µg/kg	ND	ND	ND	ND
7	Dimethoate	μg/kg	ND	ND	ND	ND
8	Disulfoton	µg/kg	ND	ND	NÐ	ND
9	EPN	µg/kg	ND	ND	ND	ND
10	Ethoprop	µg/kg	ND	ND	ND	ND
11	Ethyl Parathion	µg/kg	ND	ND	ND	ND
12	Fensulfothion	µg/kg	ND	ND	ND	ND
13	Fenthion	μg/kg	ND	ND	ND	ND
14	Malathion	μg/kg	ND	ND	ND	ND
15	Methyl Azinphos(Guthion)	µg/kg	ND	ND	NÐ	ND
16	Methyl Parathion	µg/kg	ND	ND	ND	ND
17	Merphos	µg/kg	ND	ND	ND	ND
18	Mevinphos	µg/kg	ND	ND	ND	ND
19	Monocrotophos	µg/kg	ND	ND	ND R	NÐ
20	Naled	μg/kg	ND	ND	ND	ND
21	Phorate	µg/kg	ND	ND	ND	ND
22	Ronnel	µg/kg	ND	ND	ND	ND
23	Sulfotep	µg/kg	ND	ND	NŬ	NU
24	Stirophos	µg/kg	ND	NÐ	ND	ND
25	ТЕРР	µg/kg	ND	ND	ND	ND
26	Tokuthion	µg/kg	ND	ND	ND	ND
27	Trichloronate	µg/kg	ND	ND	ND	ND

## NOTES:

R: Data rejected

ND: Not detected

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		Borehole $\rightarrow$	E11-154	E11-154	E11-155	E11-155	E11-156	E11-156	E11-156	E11-157	E11-157	E11-157
No		Sample ID $\rightarrow$	S1	S2	S1	S2	S1	S2	S3	S1	S2	\$3
	Analyte↓	Depth, m $\rightarrow$	0.0~0.5	~2.3	0.0~0.5	~1.8	0.0~0.5	~2.0	~6.45	0.0~0.5	~2.0	~4.5
1	1,1,1,2-Tetrachloroethane	µg/kg	ND	NĎ	ND	ND						
2	1,1,1-Trichloroethane	µg/kg	ND	NÐ	ND	ND						
3	1,1,2,2-Tetrachloroethane	µg/kg	ND									
4	1,1,2-Trichloroethane	µg/kg	ND									
5	1,1-Dichloroethane	µg/kg	ND									
6	1,1-Dichloroethene	µg/kg	ND	NÐ	ND	ND						
7	1,1-Dichloropropene	µg/kg	ND									
8	1,2,3-Trichlorobenzene	µg/kg	ND	ND	NÐ	ND						
9	1,2,3-Trichloropropane	µg/kg	ND									
10	1,2,4-Trichlorobenzene	µg/kg	ND									
	1,2,4-Trimethylbenzene	µg/kg	ND									
	1,2-Dibromo-3-chloropropane	µg/kg	ND	ND	ND	ND	NÐ	ND	ND	ND	ND	₩D
13	1,2-Dibromoethane	µg/kg	ND									
14	1,2-Dichlorobenzene	μg/kg	ND									
15	1,2-Dichloroethane	µg/kg	ND									
16	1,2-Dichloropropane	µg/kg	ND									
17	1,3,5-Trimethylbenzene	µg/kg	ND									
	1,3-Dichlorobenzene	µg/kg	ND									
19	1,3-Dichloropropane	µg/kg	ND									
20	1,4-Dichlorobenzene	µg/kg	ND									
21	2,2-Dichloropropane	µg/kg	ND									
22	2-Butanone	µg/kg	ND	1.82 J	ND	9,61 J	ND	ND	ND	ND	ND	ND
	2-Chlorotoluene	µg/kg	ND	ND	ND	ND	ND	NÐ	ND	ND	ND	ND
24	2-Hexanone	μg/kg	ND									
	4-Chlorotoluene	µg/kg	ND									
26	4-Isopropyltoluene	µg/kg	ND									
27	4-Methyl-2-pentanone	µg/kg	ND									
28	Acetone	µg/kg	ND	ND	ND	42.5 J	16.9 J	20,7 J	7.36 J	ND	ND	ND
29	Benzene	µg/kg	ND									
30	Bromobenzene	µg/kg	ND									
	Bromochloromethane	µg/kg	ND	ND	ND	NĎ	ND	ND	ND	ND	ND	ND
32	Bromodichloromethane	µg/kg	ND									
33	Bromoform	µg/kg	ND	NÐ								
34 1	Bromomethane	µg/kg	ND									

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# Table 7. Summary of Volatile Organic Compound Results for Phase II and IIb Soil Samples

NOTES:

J: Estimated amount between the detection limit and reporting limit

R: Data rejected

33 80

Table 7. Continue
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		Borehole $\rightarrow$	E11-154	E11-154	E11-155	E11-155	E11-156	E11-156	E11-156	E11-157	E11-157	E11-157
No		Sample ID $\rightarrow$	S1	S2	S1	S2	S1	S2	S3	\$1	\$2	S3
	Analyte J	Depth, m $\rightarrow$	0.0~0.5	~2.3	0.0~0.5	~1.8	0.0~0.5	~2.0	~6.45	0.0~0.5	~2.0	~4.5
35	Carbon disulfide	μg/kg	ND	0,976 J	ND							
36	Carbon tetrachloride	µg/kg	ND									
37	Chlorobenzene	μg/kg	ND	NÐ								
38	Chloroethane	µg/kg	ND									
39	Chloroform	μg/kg	ND	ND	ND	ND	NÐ	ND	ND	NÐ	ND	ND
40	Chloromethane	μg/kg	ND									
41	cis-1,2-Dichloroethene	µg/kg	ND									
42	cis-1,3-Dichloropropene	µg/kg	ND									
43	Dibromochloromethane	μg/kg	ND									
44	Dibromomethane	µg/kg	ND									
45	Dichlorodifluoromethane	µg/kg	ND	ND	NÐ	ND						
46	Ethyl Benzene	µg/kg	ND									
47	Hexachlorobutadiene	µg/kg	ND	ND	ND	NÐ	ND	ND	ND	ND	ND	ND
48	Isopropylbenzene (Cumene)	µg/kg	ND	ND	ND	ND	ND	ND	NÐ	ND	ND	ND
49	m,p-Xylene	µg/kg	ND									
50	Methyl iodide	µg/kg	ND									
51	Methylene chloride	µg/kg	ND									
52	Naphthalene	µg/kg	ND									
53	n-Butylbenzene	µg/kg	ND	NĎ	ND	ND						
54	n-Propylbenzene	µg/kg	ND	NÐ	ND	ND						
55	o-Xylene	µg/kg	ND	ND	NÐ	ND						
56	sec-Butylbenzene	µg/kg	ND									
57	Styrene	µg/kg	ND	ND R								
58	tert-Butyl methyl ether (MTBE)	µg/kg	ND	NÐ	ND							
59	tert-Butylbenzene	µg/kg	ND									
60	Tetrachloroethene	µg/kg	ND	ND	ND	ND	ND	1,39 J	ND	ND	ND	ND
61	Toluene	μg/kg	ND									
62	trans-1,2-Dichloroethene	µg/kg	ND									
63	trans-1,3-Dichloropropene	µg/kg	ND									
64	trans-1,4-Dichloro-2-butene	µg/kg	ND									
65	Trichloroethene	µg/kg	ND ·	ND								
66	Trichlorofluoromethane	µg/kg	ND									
67	Vinyl chloride	µg/kg	ND									

J: Estimated amount between the detection limit and reporting limit

R: Data rejected

		Borehole →	E11-158	E11-158	E11-158	E11-158	E11-159	E11-159	E11-159	E11-159	E11-160	E11-160
Vo		Sample ID $\rightarrow$	S1	S2	S3	<b>S</b> 4	S1	S2	S3	S4	S1	S2
Analyte↓		Depth, m →	0.0~0.5	~2.0	~5.0	~8.5	0.0~0.5	~2.0	<u>~5,0</u>	~10.0	0.0~0.5	~2.0
1 1,1,1,2-Tet	achloroethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2 1,1,1-Trichl	oroethane	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3 1,1,2,2-Tet	achloroethane	µg/kg	ND	ND	NÐ	ND	ND	ND	NÐ	ND	ND	ND
4 1,1,2-Trichl	oroethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
5 1,1-Dichlor	oethane	µg/kg	ND	ND	ND	NÐ	ND	ND	ND	ND	ND	ND
6 1,1-Dichlor	oethene	μg/kg	ND	NÐ	ND	ND	ND	ND	ND	ND	ND	ND
7 1,1-Dichlor	opropene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
8 1,2,3-Trichl	orobenzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9 1,2,3-Trichl	oropropane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10 1,2,4-Trichi	orobenzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11 1,2,4-Trime	thylbenzene	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12 1,2-Dibrom	o-3-chloropropane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
13 1,2-Dibrom	pethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
14 1,2-Dichloro	obenzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
15 1,2-Dichloro	oethane	μg/kg	ND	ND	ND	ND	NÐ	ND	ND	ND	ND	ND
16 1,2-Dichloro	propane	μg/kg	ND	NÐ	NÐ	ND	ND	ND	ND	ND	NÐ	ND
17 1,3,5-Trime	thylbenzene	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
18 1,3-Dichloro	benzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
19 1,3-Dichlord	propane	µg/kg	ND	ND	ND	ND	ND	ND	ND	NĎ	ND	ND
20 1,4-Dichlord	benzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
21 2,2-Dichloro	propane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
22 2-Butanone		μg/kg	ND	24,2 J	ND	ND	ND	ND	ND	ND	ND	ND
23 2-Chiorotolu	iene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
24 2-Hexanone		μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
25 4-Chlorotolu	iene	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
26 4-Isopropylt	oluene	µg/kg	ND	NÐ	ND	ND	ND	ND	ND	ND	ND	ND
27 4-Methyl-2-	pentanone	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
8 Acetone		μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9 Benzene		µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromobenze	ene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1 Bromochior	omethane	µg/kg	NÐ	ND	ND	ND	ND	ND	ND	ND	ND	ND
2 Bromodichle	promethane	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3 Bromoform		µg/kg	ND	ND	ND	ND	NÐ	ND	ND	ND	ND	ND
4 Bromometh	ane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Table 7. Continued

J: Estimated amount between the detection limit and reporting limit

R: Data rejected

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Table 7	. Con	tinued

		Borehole →	E11-158	E11-158	E11-158	E11-158	E11-159	E11-159	E11-159	E11-159	E11-160	E11-160
No		Sample ID →	S1	S2	S3	S4	S1	S2	S3	S4	S1	S2
	Analyte J	Depth, m $\rightarrow$	0.0~0.5	~2.0	~5.0	~8,5	0.0~0.5	~2.0	~5.0	~10.0	0.0~0.5	~2.0
35	Carbon disulfide	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
36	Carbon tetrachloride	μg/kg	ND	ND	ND	ND	ND	ND	NÐ	ND	ND	ND
37	Chlorobenzene	µg/kg	ND	ND	ND	NÐ	ND	ND	ND	ND	ND	ND
38	Chloroethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
39	Chloroform	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
40	Chloromethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
41	cis-1,2-Dichloroethene	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
42	cis-1,3-Dichloropropene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	NÐ	ND
43	Dibromochloromethane	µg/kg	ND	NÐ	ND	ND	ND	NÐ	ND	ND	ND	ND
44	Dibromomethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
45	Dichlorodifluoromethane	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
46	Ethyl Benzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
47	Hexachlorobutadiene	µg/kg	NÐ	NÐ	ND							
48	lsopropylbenzene (Cumene)	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
49	m,p-Xylene	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
50	Methyl iodide	µg/kg	ND	5.23	ND							
51	Methylene chloride	µg/kg	5.26 J	ND	3.22 J	2,83 J	4.15 J	4.38 J	3.71 J	2.16 J	ND	ND
52	Naphthalene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
53	n-Butylbenzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
54	n-Propylbenzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
55	o-Xylene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
56	sec-Butylbenzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
57	Styrene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
58	tert-Butyl methyl ether (MTBE)	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	NÐ
59	tert-Butylbenzene	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
60	Tetrachloroethene	µg/kg	ND	0.931 J	ND							
61	Toluene	µg/kg	1.61 J	∴ 1.14 J	0.707 J	ND	2,33 J	3.97 J	6.01	1.09 J	ND	ND
62	trans-1,2-Dichloroethene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
63	trans-1,3-Dichloropropene	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
64	trans-1,4-Dichloro-2-butene	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
65	Trichloroethene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
66	Trichlorofluoromethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
67	Vinyl chloride	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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NOTES:

J: Estimated amount between the detection limit and reporting limit

R: Data rejected

	Bo	rehole $\rightarrow$	E11-160	E11-161	E11-161	E11-161	E11-161	E11-162	E11-162	E11-163	E11-163	E11-163
No	Sarr	nple ID →	\$3	S1	S2	\$3	<b>S</b> 4	5 <b>1</b>	S2	<b>\$1</b>	\$2	53
	Analyte↓ De	pth, m →	~3.4	0.0~0.5	~2.0	~5.0	~7.9	0.0~0.5	~1.52	0.0~0.5	~2.0	~5.0
1	1,1,1,2-Tetrachloroethane	µg/kg	ND	ND	ND	ND	ND	ND	NÐ	ND	ND	ND
2	1,1,1-Trichloroethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3	1,1,2,2-Tetrachloroethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4	1,1,2-Trichloroethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
5	1,1-Dichloroethane	µg/kg	ND	ND	ND	ND	ND	ND	NÐ	ND	ND	ND
6	1,1-Dichloroethene	µg/kg	ND	ND	ND	NÐ	ND	ND	ND	ND	ND	ND
7	1,1-Dichloropropene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
8	1,2,3-Trichlorobenzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9	1,2,3-Trichloropropane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10	1,2,4-Trichlorobenzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11	1,2,4-Trimethylbenzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12	1,2-Dibromo-3-chloropropane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
13	1,2-Dibromoethane	µg/kg	ND	NÐ	ND	ND	ND	ND	ND	ND	ND	ND
14	1,2-Dichlorobenzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
15	1,2-Dichloroethane	µg/kg	ND	ND	ND	ND	NÐ	ND	ND	ND	ND	ND
16	1,2-Dichloropropane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
17	1,3,5-Trimethylbenzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
18	1,3-Dichlorobenzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
19	1,3-Dichloropropane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
20	1,4-Dichlorobenzene	µg/kg	ND	ND	NÐ	ND	ND	ND	ND	ND	ND	ND
21	2,2-Dichloropropane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
22	2-Butanone	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
23		µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
24	2-Hexanone	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
25	4-Chlorotoluene	µg/kg	ND	ND	ND	NÐ	ND	ND	ND .	ND	ND	ND
26	4-Isopropyltoluene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
27	4-Methyl-2-pentanone	µg/kg	NÐ	ND	ND	ND	ND	ND	ND	ND	ND	ND
28	Acetone	µg/kg	ND	11.6 J	7.18 J	ND	5,23 J	12.5 J	ND	ND	ND	ND
29	Benzene 1	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
30	Bromobenzene I	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		µg/kg	NÐ	ND	ND	ND	NÐ	ND	ND	ND	ND	ND
32	Bromodichloromethane	µg/kg	ND	ND	ND	ND	NĎ	ND	ND	ND	ND	ND
33	Bromoform I	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
34	Bromomethane J	ug/kg	ND	ND .	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:

J: Estimated amount between the detection limit and reporting limit

R: Data rejected

		Borehole →	E11-160	E11-161	E11-161	E11-161	E11-161	E11-162	E11-162	E11-163	E11-163	E11-163
No		Sample ID $\rightarrow$	S3	<b>\$1</b>	S2	53	.54	S1	S2	S1	S2	\$3
	Analyte↓	Depth, m →	~3.4	0.0~0.5	~2.0	~5.0	~7.9	0.0~0.5	~1,52	0.0~0.5	~2.0	~5.0
35	Carbon disulfide	μg/kg	ND	ND	ND	ND	ND	NÐ	ND	ND	ND	ND
36	Carbon tetrachloride	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
37	Chlorobenzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
38	Chloroethane	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
39	Chloroform	μg/kg	ND	ND	ND	ND	ND	NÐ	NÐ	ND	ND	ND
40	Chloromethane	μg/kg	ND	ND	ND	ND R	ND	ND	NĎ	ND	ND	ND
41	cis-1,2-Dichloroethene	μg/kg	NÐ	ND	ND	ND	ND	ND	ND	ND	ND	ND
42	cis-1,3-Dichloropropene	μg/kg	ND	ND	ND	ND	NĎ	ND	ND	ND	ND	ND
43	Dibromochloromethane	µg/kg	ND	ND	ND	NÐ	ND	ND	ND	ND	ND	ND
44	Dibromomethane	μg/kg	ND	ND	NĎ	ND						
45	Dichlorodifluoromethane	μg/kg	ND	ND	ND	ND	NÐ	ND	ND	ND	ND	ND
46	Ethyl Benzene	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
47	Hexachlorobutadiene	μg/kg	ND	NÐ	ND	ND	ND	ND	ND	ND	NÐ	ND
48	Isopropylbenzene (Cumene)	μg/kg	NÐ	ND	ND	ND	ND	ND	ND	ND	ND	ND
49	m,p-Xylene	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
50	Methyl iodide	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
51	Methylene chloride	μg/kg	ND	ND	ND	NÐ	ND	ND	ND	6.27 J	3,83 J	3.34 J
52	Naphthalene	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
53	n-Butylbenzene	μg/kg	ND	ND .	ND	ND	ND	ND	NÐ	ND	ND	ND
54	n-Propylbenzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
55	o-Xylene	µg/kg	NÐ	ND	ND	ND	ND	ND	ND	ND	ND	ND
56	sec-Butylbenzene	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
57	Styrene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	NÐ	ND
58	tert-Butyl methyl ether (MTBE)	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
59	tert-Butylbenzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
60	Tetrachloroethene	µg/kg	ND	ND	ND	2.93 J	ND	ND	ND	ND	20.2	9.68
61	Toluene	μg/kg	ND	ND	ND	ND	ND	ND	ND	1,64 J	3.11 J	0.834 J
62	trans-1,2-Dichloroethene	µg/kg	ND	ND	ND	ND	ND	NÐ	ND	ND	ND	ND
63	trans-1,3-Dichloropropene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
64	trans-1,4-Dichloro-2-butene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
65	Trichloroethene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	4.85	5.1
66	Trichlorofluoromethane	μg/kg	ND	NÐ	ND							
67	Vinyl chloride	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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# NOTES:

J: Estimated amount between the detection limit and reporting limit

R: Data rejected

ЪЙ,		Borehole $\rightarrow$	E11-163	E11-164	E11-164	E11-164	E11-164	E11-165	E11-165	E11-165	E11-165	E11-166
No		Sample ID →	\$4	<b>S1</b>	S2	S3	\$4	S1	52	S3	S4	S1
-993	Analyte↓	Depth, m →	~10.0	0.0~0.5	~2.0	~5.0	~11.0	0.0~0.5	~2.0	~5.0	~10.0	0.3~0.8
	1,1,1,2-Tetrachloroethane	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2	1,1,1-Trichloroethane	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
- ÷ -	1,1,2,2-Tetrachloroethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4	1,1,2-Trichloroethane	µg/kg	NÐ	ND	ND	ND	ND	ND	ND	ND	ND	ND
5	1,1-Dichloroethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	3 ]	ND
6	1,1-Dichloroethene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7	1,1-Dichloropropene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
8	1,2,3-Trichlorobenzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9	1,2,3-Trichloropropane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10	1,2,4-Trichlorobenzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11	1,2,4-Trimethylbenzene	µg/kg	ND	ND	ND	ND	NÐ	ND	ND	ND	ND	ND
12	1,2-Dibromo-3-chloropropane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
13	1,2-Dibromoethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
14	1,2-Dichlorobenzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
15	1,2-Dichloroethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
16	1,2-Dichloropropane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
17	1,3,5-Trimethylbenzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
18	1,3-Dichlorobenzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
19	1,3-Dichloropropane	µg/kg	ND	ND	ND	ND	ND	ND	ND	NÐ	ND	ND
20	1,4-Dichlorobenzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	2.82 J	ND
21	2,2-Dichloropropane	μg/kg	ND	ND	ND	ND	ND	NÐ	ND	ND	ND	ND
22	2-Butanone	µg/kg	ND	ND	ND	ND	ND	8.02 J	3.99 J	3.58 J	1.27 J	15.2 J
23	2-Chlorotoluene	µg/kg	ND	ND	ND	ND	23.3.J	ND	ND	ND	ND	ND
24	2-Hexanone	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
25 4	4-Chlorotoluene	µg/kg	ND	ND	ND	ND	52 J	ND	ND	ND	ND	ND
26	4-Isopropyltoluene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
27	4-Methyl-2-pentanone	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
28 /	Acetone	µg/kg	ND	ND	ND	ND	ND	33.7 J	12.3 J	21.4 J	9.04 J	61.1
29 E	Benzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	1.52 J	ND
30 1	Bromobenzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
31   F	Bromochloromethane	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
32 E	Bromodichloromethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
33 E	Bromoform	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
34 E	Bromomethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

J: Estimated amount between the detection limit and reporting limit

R: Data rejected

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Table 7.	Continued

		Borehole $\rightarrow$	E11-163	E11-164	E11-164	E11-164	E11-164	E11-165	E11-165	E11-165	E11-165	E11-166
No		Sample ID $\rightarrow$	S4	S1	S2	S3	\$4	S1	S2	\$3	S4	S1
	Analyte↓	Depth, m →	~10.0	0.0~0.5	~2.0	~5.0	~11.0	0.0~0.5	~2,0	~5.0	~10,0	0.3~0.8
35	Carbon disulfide	µg/kg	ND	0.721 J	ND							
36	Carbon tetrachloride	μg/kg	ND									
37	Chlorobenzene	µg/kg	ND	6.86	ND							
38	Chloroethane	μg/kg	ND									
39	Chloroform	µg/kg	2.25 J	ND								
40	Chloromethane	µg/kg	ND									
41	cis-1,2-Dichloroethene	µg/kg	10.4	ND	ND	4.62	116	ND	NÐ	ND	20.7	ND
42	cis-1,3-Dichloropropene	µg/kg	ND	ND	ND	ND	ND	NĎ	ND	ND	ND	ND
43	Dibromochloromethane	µg/kg	ND									
	Dibromomethane	μg/kg	ND									
45	Dichlorodifluoromethane	μg/kg	ND									
46	Ethyl Benzene	µg/kg	ND									
	Hexachlorobutadiene	µg/kg	ND									
48	Isopropylbenzene (Cumene)	μg/kg	ND									
49	m,p-Xylene	μg/kg	ND									
50	Methyl iodíde	µg/kg	NÐ	ND	ND	ND	ND	2.18 J	1.74 ]	1.89 J	ND	6.78
	Methylene chloride	μg/kg	2.44 J	4.34 J	5,47 J	2.86 J	38.2 J	1 J	ND	ND	ND	2.7 J
52	Naphthalene	µg/kg	ND	ND	ND	ND	17 J	ND	ND	ND	ND	ND
53	n-Butylbenzene	µg/kg	ND									
54	n-Propylbenzene	μg/kg	ND	ND	ND	ND	NÐ	ND	ND	ND	ND	ND
55	o-Xylene	µg/kg	ND									
· · · · · · · · · · · · · · · · · · ·	sec-Butylbenzene	µg/kg	ND	ND	ND	ND	ND	ND	NÐ	ND	ND	ND
	Styrene	µg/kg	ND	ND	ND	ND	NÐ	ND	ND	ND	ND	ND
58	tert-Butyl methyl ether (MTBE)	µg/kg	ND									
	tert-Butylbenzene	μg/kg	ND									
	Tetrachloroethene	µg/kg	27.5	ND	ND	1,24 J	ND	ND	0.944 J	3.45 J	ND	ND
	Toluene	µg/kg	1.61 J	1.71 J	2.73 J	ND	2960	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	µg/kg	ND	1.65 J	ND							
	trans-1,3-Dichloropropene	µg/kg	ND	ND	ND	ND	ND	NÐ	ND	ND	ND	ND
	trans-1,4-Dichloro-2-butene	µg/kg	ND									
	Trichloroethene	µg/kg	81 3	ND	1.28 J	ND						
	Trichlorofluoromethane	µg/kg	ND									
67 N	Vinyl chloride	µg/kg	ND									

#### NOTES:

J: Estimated amount between the detection limit and reporting limit

R: Data rejected

		Borehole $\rightarrow$	E11-166	E11-167	E11-167	E11-167	E11-168	E11-168	E11-169	E11-169	E11-170	E11-170
No		Sample ID $\rightarrow$	\$2	S1	S2	.S3	S1	S2	S1	S2	S1	S2
1993	Analyte↓	Depth, m →	~2.7	0.0~0.5	~2.0	~5.5	0.0~0.5	~3.0	0.0~0.5	~1.8	0.0~0.5	~2.0
1	1,1,1,2-Tetrachloroethane	µg/kg	ND									
2	1,1,1-Trichloroethane	µg/kg	ND	NÐ	ND	ND						
3	1,1,2,2-Tetrachloroethane	μg/kg	ND									
4	1,1,2-Trichloroethane	µg/kg	ND	ND	ND	NÐ	ND	ND	ND	ND	ND	ND
5	1,1-Dichloroethane	µg/kg	ND									
6	1,1-Dichloroethene	µg/kg	ND									
7	1,1-Dichloropropene	μg/kg	ND									
8	1,2,3-Trichlorobenzene	µg/kg	ND									
9	1,2,3-Trichloropropane	µg/kg	ND									
10	1,2,4-Trichlorobenzene	µg/kg	ND									
11	1,2,4-Trimethylbenzene	µg/kg	ND									
12	1,2-Dibromo-3-chloropropane	µg/kg	ND									
13	1,2-Dibromoethane	µg/kg	ND									
14	1,2-Dichlorobenzene	µg/kg	ND									
15	1,2-Dichloroethane	µg/kg	ND									
16	1,2-Dichloropropane	μg/kg	ND									
17	1,3,5-Trimethylbenzene	µg/kg	ND									
18	1,3-Dichlorobenzene	µg/kg	ND									
19	1,3-Dichloropropane	µg/kg	ND									
20	1,4-Dichlorobenzene	µg/kg	ND									
21	2,2-Dichloropropane	µg/kg	ND									
22	2-Butanone	µg/kg	ND	3.86 J	4.48 J	ND	2.96 J	ND	17,2 J	ND	3.31 J	1.68 J
23	2-Chlorotoluene	µg/kg	ND									
24	2-Hexanone	µg/kg	ND									
25	4-Chlorotoluene	μg/kg	ND									
26	4-Isopropyltoluene	µg/kg	ND									
27	4-Methyl-2-pentanone	µg/kg	ND									
28 /	Acetone	μg/kg	ND	28.5 J	31.6 J	7,12 J	14.5 J	ND	87.1	5.2 J	21.9 J	10.3 J
29 I	Benzene	µg/kg	ND	ND	ND .	ND						
30	Bromobenzene	µg/kg	ND									
31	Bromochloromethane	µg/kg	ND									
32	Bromodichloromethane	μg/kg	NĎ	ND								
33 E	Bromoform	µg/kg	ND									
34 1	Bromomethane	µg/kg	ND									

J: Estimated amount between the detection limit and reporting limit R: Data rejected

		Borehole $\rightarrow$	E11-166	E11-167	E11-167	E11-167	E11-168	E11-168	E11-169	E11-169	E11-170	E11-170
No		Sample ID $\rightarrow$	S2	S1	S2	S3	S1	\$2	S1	\$2	S1	S2
101-52	Analyte↓	Depth, m →	~2.7	0,0~0.5	~2.0	~5.5	0.0~0.5	~3.0	0.0~0.5	~1.8	0.0~0.5	~2.0
35	Carbon disulfide	μg/kg	ND									
36	Carbon tetrachloride	µg/kg	ND									
37	Chlorobenzene	μg/kg	ND									
38	Chloroethane	μg/kg	ND									
39	Chloroform	μg/kg	ND									
40	Chloromethane	µg/kg	NĎ	ND	NÐ							
41	cis-1,2-Dichloroethene	µg/kg	ND	0.714 J	31.1							
42	cis-1,3-Dichloropropene	µg/kg	ND									
43	Dibromochloromethane	µg/kg	ND									
44	Dibromomethane	µg/kg	ND									
45	Dichlorodifluoromethane	µg/kg	ND									
46	Ethyl Benzene	μg/kg	ND									
47	Hexachlorobutadiene	μg/kg	ND									
48	Isopropylbenzene (Cumene)	μg/kg	ND									
49	m,p-Xylene	µg/kg	ND									
50	Methyl iodide	µg/kg	ND	1.35 J	1.75 J	ND	ND	ND	0,894 J	NÐ	ND	ND
51	Methylene chloride	µg/kg	2,9 J	ND								
52	Naphthalene	μg/kg	ND									
53	n-Butylbenzene	µg/kg	ND									
	n-Propylbenzene	µg/kg	ND									
55	o-Xylene	μg/kg	ND									
	sec-Butylbenzene	μg/kg	ND									
	Styrene	µg/kg	ND									
	tert-Butyl methyl ether (MTBE)	µg/kg	ND									
	tert-Butylbenzene	µg/kg	ND									
	Tetrachioroethene	µg/kg	ND	1,2 J	NÐ	ND	4,18 J	ND	4.26	ND	10.7	86.8
	Toluene	µg/kg	ND	ND	ND	ND	0.698 J	ND	0.718 J	ND	ND	ND
	trans-1,2-Dichloroethene	µg/kg	ND									
	trans-1,3-Dichloropropene	µg/kg	ND									
	trans-1,4-Dichloro-2-butene	μg/kg	ND									
	Trichloroethene	µg/kg	ND	ND	ND	ND	ND	NÐ	ND	ND	0.768 J	7.97
	Trichlorofluoromethane	µg/kg	ND	ND	ND	ND	NÐ	ND	ND	ND	ND	ND
67	Vinyl chloride	µg/kg	ND									

#### NOTES:

J: Estimated amount between the detection limit and reporting limit

R: Data rejected

Table 7.	Continued

		Borehole →	E11-170	E11-170	E11-171	E11-171	E11-171	E11-172	E11-172	E11-172	E11-172	E11-173
No		Sample ID $\rightarrow$	\$3	S4	S1	S2	\$3	S1	S2	S3	S4	S1
	Analyte↓	Depth, m →	~5.0	~7.5	0.0~0.5	~2.0	~6,5	0.0~0.5	~2.0	~5.0	~8.7	0.0~0.5
1	1,1,1,2-Tetrachloroethane	μg/kg	ND									
2	1,1,1-Trichloroethane	µg/kg	ND									
3	1,1,2,2-Tetrachloroethane	µg/kg	ND									
4	1,1,2-Trichloroethane	µg/kg	ND									
5	1,1-Dichloroethane	µg/kg	ND									
6	1,1-Dichloroethene	μg/kg	ND									
7	1,1-Dichloropropene	µg/kg	ND									
8	1,2,3-Trichlorobenzene	μg/kg	ND									
9	1,2,3-Trichloropropane	µg/kg	ND									
10	1,2,4-Trichlorobenzene	μg/kg	ND									
11	1,2,4-Trimethylbenzene	μg/kg	ND	ND	NĎ	ND						
12	1,2-Dibromo-3-chloropropane	μg/kg	ND									
13	1,2-Dibromoethane	µg/kg	ND									
14	1,2-Dichlorobenzene	μg/kg	ND	ND	ND	ND	NÐ	ND	ND	ND	ND	NÐ
15	1,2-Dichloroethane	µg/kg	ND									
16	1,2-Dichloropropane	µg/kg	ND									
17	1,3,5-Trimethylbenzene	µg/kg	ND									
18	1,3-Dichlorobenzene	µg/kg	ND									
19	1,3-Dichloropropane	µg/kg	ND									
	1,4-Dichlorobenzene	μg/kg	ND									
	2,2-Dichloropropane	μg/kg	ND									
22	2-Butanone	µg/kg	ND	NÐ	8.16 J	1,9 J	ND	26,4	ND	ND	ND	ND
	2-Chlorotoluene	µg/kg	ND									
24	2-Hexanone	µg/kg	ND	ND	ND	ND	ND	4,44 J	ND	ND	ND	ND
25	4-Chlorotoluene	µg/kg	ND	NÐ	ND	ND						
	1-isopropyitoluene	µg/kg	ND									
27 4	4-Methyl-2-pentanone	µg/kg	ND									
	Acetone	µg/kg	ND	5.94 J	32.7 J	16.5 J	21,7 J	98.8	35,7 J	ND	11.2 J	ND
	Benzene	µg/kg	ND									
30 E	Bromobenzene	µg/kg	ND	ND	ND	ND	ND	NĎ	ND	ND	ND	ND
	Bromochloromethane	pg/kg	ND									
	Bromodichloromethane	µg/kg	ND									
	Bromoform	µg/kg	ND									
	Bromomethane	µg/kg	ND									

J: Estimated amount between the detection limit and reporting limit

R: Data rejected



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Tab	le 7.	Conti	inued

		Borehole $\rightarrow$	E11-170	E11-170	E11-171	E11-171	E11-171	E11-172	E11-172	E11-172	E11-172	E11-173
No		Sample ID $\rightarrow$	S3	S4	S1	S2	\$3	S1	S2	S3	<b>S4</b>	S1
	Analyte↓	Depth, m →	~5.0	~7.5	0.0~0.5	~2.0	~6.5	0.0~0.5	~2.0	~5.0	~8.7	0,0~0.5
35	Carbon disulfide	µg/kg	ND	ND	6.67	ND	ND	ND	ND	ND	ND	ND
36	Carbon tetrachloride	µg/kg	ND	ND								
37	Chlorobenzene	μg/kg	ND	ND								
38	Chloroethane	µg/kg	ND	NÐ	ND	ND						
39	Chloroform	µg/kg	ND	ND								
40	Chloromethane	μg/kg	ND	ND								
41	cis-1,2-Dichloroethene	µg/kg	558	15.2	ND	3.57 J	52.3	ND	ND	ND	11.4	ND
42	cis-1,3-Dichloropropene	µg/kg	ND	ND								
43	Dibromochloromethane	µg/kg	ND	ND								
44	Dibromomethane	µg/kg	ND	ND								
45	Dichlorodifluoromethane	µg/kg	ND	ND								
46	Ethyl Benzene	µg/kg	ND	ND								
47	Hexachlorobutadiene	µg/kg	ND	ND								
48	Isopropylbenzene (Cumene)	µg/kg	ND	ND								
49	m,p-Xylene	µg/kg	ND	ND								
50	Methyl iodide	µg/kg	ND	ND	1.35 J	ND	ND	ND	ND	ND	ND	ND
51	Methylene chloride	µg/kg	ND	ND								
52	Naphthalene	µg/kg	ND	ND	ND	ND	ND	ND	NÐ	ND	ND	ND
53	n-Butylbenzene	µg/kg	ND	ND								
54	n-Propylbenzene	µg/kg	ND	ND								
55	o-Xylene	µg/kg	ND	ND								
56	sec-Butylbenzene	µg/kg	ND	ND								
57	Styrene	µg/kg	ND	ND								
58 1	tert-Butyl methyl ether (MTBE)	µg/kg	ND	ND								
59 1	tert-Butylbenzene	µg/kg	ND	ND								
60 1	fetrachloroethene	µg/kg	684	0.78 J	ND	2,03 J	22.1	2.91 J	8.44	4,17	2.48 J	ND
61	Foluene	µg/kg	ND	ND								
62 1	rans-1,2-Dichloroethene	µg/kg	NÐ	ND	ND							
63 t	rans-1,3-Dichloropropene	µg/kg	ND	ND	ND	ND	ND	ND	NÐ	ND	ND	ND
64 t	rans-1,4-Dichloro-2-butene	μg/kg	ND	ND								
65 1	Frichloroethene	µg/kg	55.1	ND	ND	ND	2.04 J	ND	ND	ND	1.36 J	ND
66 T	Trichlorofluoromethane	µg/kg	ND	ND								
57  \	/inyl chloride	μg/kg	ND	ND								

J: Estimated amount between the detection limit and reporting limit

R: Data rejected

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Table	7.	Continued

		Borehole $\rightarrow$	E11-173	E11-173	E11-173	E11-174	E11-174	E11-174	E11-174	E11-175	E11-175	E11-175
No		Sample ID $ ightarrow$	<b>\$</b> 2	\$3	S4	S1	\$2	\$3	S4	S1	S2	\$3
	Analyte↓	Depth, m →	~2.0	~5.0	~10.0	0.3~0.8	~2.3	2.3~5.3	~8.9	0.0~0.5	~2,0	~5.0
1	1,1,1,2-Tetrachloroethane	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2	1,1,1-Trichloroethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3	1,1,2,2-Tetrachloroethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4	1,1,2-Trichloroethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
5	1,1-Dichloroethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	NÐ	ND	ND
6	1,1-Dichloroethene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7	1,1-Dichloropropene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichlorobenzene	µg/kg	ND	ND	ND	89.5 J	ND	ND	ND	NÐ	ND	ND
9	1,2,3-Trichloropropane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10	1,2,4-Trichlorobenzene	µg/kg	ND	ND	29.3 J	295	ND	ND	ND	ND	ND	ND
·	1,2,4-Trimethylbenzene	µg/kg	ND	ND	ND	22.7 J	ND	NÐ	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	NÐ	ND	ND
	1,2-Dichloropropane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,3,5-Trimethylbenzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,3-Dichlorobenzene	µg/kg	ND	ND	9,26 J	ND	ND	ND	ND	NÐ	ND	ND
19	1,3-Dichloropropane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	µg/kg	ND	ND	12.3 J	339	ND	ND	ND	ND	ND	ND
	2,2-Dichloropropane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Butanone	µg/kg	ND	4.73 J	ND	ND	17.4 J	ND	1.86 J	1,93 J	1.86 J	ND
	2-Chlorotoluene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Hexanone	µg/kg	ND	ND	ND	ND	ND	ND	ND	NÐ	ND	ND
	4-Chiorotoluene	µg/kg	ND	ND	ND	NÐ	ND	ND	ND	ND	ND	ND
	1-isopropyitoluene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1-Methyl-2-pentanone	µg/kg	ND	ND	ND	ND	ND	ND	ND	NÐ	ND	ND
*****	Acetone	µg/kg	76.5	32,5 J	ND	ND	69.5	8.4 J	12,4 J	19.7 J	11.7 J	5.29 J
_	Benzene	µg/kg	ND	ND	6.69 J	ND	ND	0.86 J	ND	ND	ND	ND
	Bromobenzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	NÐ	ND	ND
	Bromochloromethane	li8/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
- 1	Bromodichloromethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
-	Bromoform	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
34 E	Bromomethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

I: Estimated amount between the detection limit and reporting limit

R: Data rejected

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Table	7	Continued
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		Borehole →	E11-173	E11-173	E11-173	E11-174	E11-174	E11-174	E11-174	E11-175	E11-175	E11-175
No		Sample ID →	S2	S3	S4	S1	S2	S3	S4	S1	52	S3
	Analyte↓	Depth, m 🔿	~2.0	~5.0	~10.0	0.3~0.8	~2.3	2.3~5.3	~8.9	0.0~0.5	~2,0	~5,0
35	Carbon disulfide	µg/kg	ND	ND	ND	ND	1.03 J	ND	ND	ND	ND	ND
36	Carbon tetrachloride	µg/kg	ND									
37	Chlorobenzene	μg/kg	ND	ND	11,3 J	278	0,938 J	5.25	ND	NÐ	ND	ND
38	Chloroethane	µg/kg	ND	ND	ND	ND	ND	10.7	ND	ND	ND	ND
39	Chloroform	μg/kg	ND	ND	ND	ND	ND	ND	26.7	ND	ND	ND
40	Chloromethane	μg/kg	ND									
41	cis-1,2-Dichloroethene	µg/kg	ND	ND	293	438	16	4.77	21.1	ND	ND	104
	cis-1,3-Dichloropropene	µg/kg	ND									
43	Dibromochloromethane	μg/kg	ND									
	Dibromomethane	µg/kg	ND	NÐ	ND							
45	Dichlorodifluoromethane	μg/kg	ND	ND	ND	NÐ	ND	ND	ND	ND	ND	ND
46	Ethyl Benzene	µg/kg	ND									
	Hexachlorobutadiene	µg/kg	ND	ND	ND	ND	NÐ	ND	ND	ND	ND	ND
48	Isopropylbenzene (Cumene)	μg/kg	ND									
49	m,p-Xylene	μg/kg	ND									
50	Methyl iodide	µg/kg	6.32	2.01 J	ND	ND	2,72 J	ND	ND	ND	1.04 J	ND
51	Methylene chloride	µg/kg	ND									
52	Naphthalene	µg/kg	ND	ND	ND	2560	ND	ND	ND	ND	ND	ND
53	n-Butylbenzene	µg/kg	ND									
54	n-Propylbenzene	µg/kg	ND									
55	o-Xylene	µg/kg	ND	ND	ND	18.7 J	ND	ND	ND	ND	ND	ND
	sec-Butylbenzene	μg/kg	ND	NĎ	ND	NÐ						
57	Styrene	µg/kg	ND									
58	tert-Butyl methyl ether (MTBE)	µg/kg	ND									
59	tert-Butylbenzene	μg/kg	ND	NÐ								
60	Tetrachloroethene	µg/kg	21.8	2.65 J	36,5 J	131 J	11,5	4.45 J	142	2.19 J	ND	159
	Toluene	µg/kg	ND	ND	ND	ND	0.891 J	0.946 J	ND	ND	0.949 J	ND
62	trans-1,2-Dichloroethene	µg/kg	ND	4.37								
	trans-1,3-Dichloropropene	µg/kg	ND									
64 (	trans-1,4-Dichloro-2-butene	µg/kg	ND									
	Trichloroethene	µg/kg	ND	ΝD	13.9.7	ND	ND	5.16	15.9	ND	ND	47.2
	Trichlorofluoromethane	µg/kg	ND									
67 N	Vinyl chloride	µg/kg	ND	ND	56.1	ND	ND	3.82 J	ND	ND	ND	0.748 J

J: Estimated amount between the detection limit and reporting limit

R: Data rejected

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Table 7. Continued	Table 2	7. Co	ontinued
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		Borehole →	E11-175	E11-176	E11-176	E11-176	E11-176	E11-177	E11-177	E11-177	E11-177	E11-178
No		Sample ID →	S4	\$1	\$2	\$3	S4	S1	S2	S3	54	S1
	Analyte↓	Depth, m →	~7.25	0.0~0.5	~2.0	~5.0	~10,0	0.4~0.9	~2,4	~5.4	~9.0	0.0~0.5
1	1,1,1,2-Tetrachloroethane	µg/kg	ND									
2	1,1,1-Trichloroethane	µg/kg	ND									
3	1,1,2,2-Tetrachloroethane	µg/kg	ND									
4	1,1,2-Trichloroethane	μg/kg	ND									
5	1,1-Dichloroethane	µg/kg	ND									
6	1,1-Dichloroethene	μg/kg	ND									
7	1,1-Dichloropropene	µg/kg	ND	ND	ND	ND	ND	NÐ	ND	ND	ND	ND
8	1,2,3-Trichlorobenzene	µg/kg	ND									
	1,2,3-Trichloropropane	μg/kg	ND									
10	1,2,4-Trichlorobenzene	µg/kg	ND									
	1,2,4-Trimethylbenzene	μg/kg	ND									
12	1,2-Dibromo-3-chloropropane	μg/kg	ND									
	1,2-Dibromoethane	µg/kg	ND									
	1,2-Dichlorobenzene	µg/kg	ND									
	1,2-Dichloroethane	µg/kg	ND	ND	ND	ND	ND	ND	NÐ	ND	ND	ND
16	1,2-Dichloropropane	μg/kg	ND									
	1,3,5-Trimethylbenzene	μg/kg	ND									
	1,3-Dichlorobenzene	μg/kg	ND									
19	1,3-Dichloropropane	μg/kg	ND									
	1,4-Dichlorobenzene	µg/kg	ND									
21	2,2-Dichloropropane	µg/kg	ND									
22	2-Butanone	µg/kg	NÐ	ND	8,95 J	1.43 J	ND	7.21 J	ND	6.47 J	10.5 J	7.07 J
	2-Chlorotoluene	µg/kg	NU	ND								
	2-Hexanone	µg/kg	ND									
	4-Chlorotoluene	µg/kg	ND									
	1-IsopropyItoluene	µg/kg	ND									
	I-Methyl-2-pentanone	μg/kg	ND									
_	Acetone	µg/kg	ND	8.67 J	40 J	5.02 J	ND	37.2 J	16,7 J	80.7	75.9	41.7
_	Benzene	µg/kg	ND									
	Bromobenzene	µg/kg	ND									
	Bromochloromethane	µg/kg	ND									
	Bromodichloromethane	µg/kg	ND									
33 B	Bromoform	µg/kg	ND									
34 B	Bromomethane	µg/kg	ND									

J: Estimated amount between the detection limit and reporting limit

R: Data rejected

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		Borehole $\rightarrow$	E11-175	E11-176	E11-176	E11-176	E11-176	E11-177	E11-177	E11-177	E11-177	E11-178
No		Sample ID →	S4	S1	S2	\$3	S4	S1	S2	53	S4	S1
	Analyte↓	Depth, m →	~7,25	0.0~0.5	~2,0	~5.0	~10.0	0.4~0.9	~2,4	~5.4	~9,0	0.0~0.5
35	Carbon disulfide	µg/kg	ND	ND	ND	ND	ND	ND	0.989 J	ND	ND	ND
36	Carbon tetrachloride	μg/kg	ND									
37	Chlorobenzene	µg/kg	ND									
38	Chloroethane	µg/kg	ND									
39	Chloroform	μg/kg	ND	11.8	ND							
40	Chloromethane	µg/kg	ND									
41	cis-1,2-Dichloroethene	μg/kg	9.21 J	ND	ND	ND	70,6	1.17 J	ND	ND	25.7	ND
42	cis-1,3-Dichloropropene	μg/kg	ND									
43	Dibromochloromethane	µg/kg	ND									
44	Dibromomethane	µg/kg	ND									
45	Dichlorodifluoromethane	µg/kg	ND									
46	Ethyl Benzene	µg/kg	ND									
47	Hexachlorobutadiene	µg/kg	ND									
48	isopropylbenzene (Cumene)	µg/kg	ND									
49	m,p-Xylene	µg/kg	ND									
50	Methyl iodide	µg/kg	ND	ND	2,39 J	ND	ND	ND	0.801 J	2.14 J	2.19 J	1.77 J
51	Methylene chloride	μg/kg	ND									
52	Naphthalene	µg/kg	ND									
53	n-Butylbenzene	μg/kg	ND									
54	n-Propylbenzene	µg/kg	ND									
55	o-Xylene	µg/kg	ND									
56	sec-Butylbenzene	μg/kg	ND									
57	Styrene	µg/kg	ND									
	tert-Butyl methyl ether (MTBE)	μg/kg	ND									
59	tert-Butylbenzene	µg/kg	ND									
60	Tetrachloroethene	µg/kg	229	ND	3,44 J	ND	40.6 J	1.31 J	ND	5.44	23,4	0.841 J
61	Toluene	µg/kg	7.54 J	ND	ND	ND	ND	1.17 J	ND	ND	ND	ND
62	trans-1,2-Dichloroethene	µg/kg	ND									
63	trans-1,3-Dichloropropene	μg/kg	ND									
64	trans-1,4-Dichloro-2-butene	µg/kg	ND									
65	Trichloroethene	μg/kg	133	ND	ND	ND	587	ND	ND	1.28 J	9;47	ND
	Trichlorofluoromethane	μg/kg	ND	ND	ND	ND	ND	ND	NÐ	ND	ND	ND
67	Vinyl chloride	µg/kg	ND									

J: Estimated amount between the detection limit and reporting limit

R: Data rejected

		Borehole ->		E11-178	E11-178	E11-179	E11-179	E11-179	E11-179	E11-180	E11-180	E11-180
No		Sample ID ->		S3	\$4	<b>S1</b>	S2	S3	S4	S1	S2	S3
	Analyte J	Depth, m →	~2.0	~5.0	~10.0	0.0~0.5	~2.0	~5.0	~10.0	0.0~0.5	~2.0	~5.0
1	1,1,1,2-Tetrachloroethane	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	μg/kg	ND	ND	ND	ND	ND	ND	NÐ	ND	ND	ND
3	1,1,2,2-Tetrachloroethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4	1,1,2-Trichloroethane	μg/kg	ND	NÐ	ND	ND	ND	ND	ND	ND	ND	ND
5	1,1-Dichloroethane	µg/kg	ND	ND	1.36 J	ND	ND	ND	ND	ND	ND	ND
6	1,1-Dichloroethene	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7	1,1-Dichloropropene	μg/kg	ND	ND	ND	ND	ND	ND	ND	NÐ	ND	ND
8	1,2,3-Trichlorobenzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9	1,2,3-Trichloropropane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10	1,2,4-Trichlorobenzene	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11	1,2,4-Trimethylbenzene	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12	1,2-Dibromo-3-chloropropane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
13	1,2-Dibromoethane	µg/kg	ND	ND	ND	ND	ND	ND	NĐ	ND	ND	ND
14	1,2-Dichlorobenzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
15	1,2-Dichloroethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
16	1,2-Dichloropropane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
17	1,3,5-Trimethylbenzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
18	1,3-Dichlorobenzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
19	1,3-Dichloropropane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
20	1,4-Dichlorobenzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
21	2,2-Dichloropropane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
22 2	2-Butanone	µg/kg	1.89 J	1.8 J	1.95 J	ND	2,93 J	1.92	ND	28	ND	ND
23 2	2-Chlorotoluene	µg/kg	ND	ND	10,4	ND	ND	ND	ND	ND	ND	ND
24 2	2-Hexanone	µg/kg	NÐ	ND	ND	ND	ND	ND	ND	ND	ND	ND
25 4	4-Chlorotoluene	µg/kg	ND	ND	19.7	ND	ND	ND	ND	ND	ND	ND
26 4	4-Isopropyltoluene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
27 4	4-Methyl-2-pentanone	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
28 /	Acetone	µg/kg	10.8 J	11.1 J	7.21 J	ND	15 J	13.3 J	ND	97.1	ND	ND
29 E	Benzene	µg/kg	ND	ND	1.21 J	ND	ND	ND	ND	ND	ND	ND
30 B	Bromobenzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
31 B	Bromochloromethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
32 B	Bromodichloromethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3 B	Bromoform	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4 B	Bromomethane	µg/kg	D	ND	ND	ND	ND	ND	ND	ND	ND	ND

J: Estimated amount between the detection limit and reporting limit

R: Data rejected

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		Borehole →	E11-178	E11-178	E11-178	E11-179	E11-179	E11-179	E11-179	E11-180	E11-180	E11-180
No		Sample ID $\rightarrow$	S2	S3	S4	51	<b>5</b> 2	\$3	S4	S1	S2	\$3
	Analyte↓	Depth, m →	~2.0	~5.0	~10,0	0.0~0.5	~2.0	~5.0	~10.0	0.0~0.5	~2.0	~5,0
35	Carbon disulfide	μg/kg	ND	ND	1,22 J	ND	ND	ND	ND	ND	ND	ND
36	Carbon tetrachloride	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
37	Chlorobenzene	µg/kg	ND	ND	0.939 J	ND	ND	ND	ND	ND	ND	ND
38	Chloroethane	µg/kg	NÐ	ND	ND	ND	ND	ND	ND	ND	ND	ND
39	Chloroform	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
40	Chloromethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
41	cis-1,2-Dichloroethene	µg/kg	ND	ND	1.56 J	ND	ND	8.52	1.46	ND	ND	52.9 J
42	cis-1,3-Dichloropropene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
43	Dibromochloromethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
44	Dibromomethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
45	Dichlorodifluoromethane	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
46	Ethyl Benzene	μg/kg	ND	ND	ND	NÐ	ND	ND	ND	ND	ND	ND
47	Hexachlorobutadiene	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
48	Isopropylbenzene (Cumene)	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
49	m,p-Xylene	µg/kg	ND	ND	ND	NÐ	ND	ND	ND	ND	ND	ND
50	Methyl iodide	μg/kg	NÐ	0.728 J	ND	ND	ND	1,24 J	ND	7.92	ND	ND
51	Methylene chloride	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
52	Naphthalene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
53	n-Butylbenzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
54	n-Propylbenzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
55	o-Xylene	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	sec-Butylbenzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
57	Styrene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
58	tert-Butyl methyl ether (MTBE)	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	tert-Butylbenzene	μg/kg	ND	ND	ND	NÐ	ND	ND	ND	ND	ND	ND
60	Tetrachloroethene	µg/kg	2.35 J	30.3	0.72 J	32300	24.9	37.8	489	ND	1,64 J	23.8 J
	Toluene	µg/kg	NĎ	ND	3.31 J	ND	ND	ND	ND	ND	ND	1620
	trans-1,2-Dichloroethene	µg/kg	NÐ	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,3-Dichloropropene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
64	trans-1,4-Dichloro-2-butene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
65	Trichloroethene	µg/kg	ND	2.29 J	ND	ND	ND	3.16 J	66.4	ND	ND	ND
	Trichlorofluoromethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
67	Vinyl chloride	µg/kg	ND	ND	ND	ND	ND	ND	NÐ	ND	NÐ	ND

#### NOTES:

J: Estimated amount between the detection limit and reporting limit

R: Data rejected

		Borehole →	E11-180	E11-181	E11-181	E11-181	E11-182	E11-182	E11-182	E11-182	E11-183	E11-183
No		Sample ID →	S4	\$1	52	S3	<b>\$1</b>	S2	\$3	\$4	S1	<b>\$</b> 2
ent:	Analyte	Depth, m →	~10.0	0.0~0.5	~2.0	~5.0	0.0~0.5	~2.0	~5.0	~10.0	0.0~0.5	~2,0
1	1,1,1,2-Tetrachloroethane	µg/kg	ND	ND	ND	NÐ	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3	1,1,2,2-Tetrachloroethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
_	1,1,2-Trichloroethane	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
6	1,1-Dichloroethene	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7	1,1-Dichloropropene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
8	1,2,3-Trichlorobenzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9	1,2,3-Trichloropropane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10	1,2,4-Trichlorobenzene	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11	1,2,4-Trimethylbenzene	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12	1,2-Dibromo-3-chloropropane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
13	1,2-Dibromoethane	µg/kg	ND	ND	ND	NÐ	ND	ND	ND	ND	ND	ND
14	1,2-Dichlorobenzene	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
15	1,2-Dichloroethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
16	1,2-Dichloropropane	μg/kg	ND	ND	ND	NÐ	ND	ND	ND	ND	ND	ND
17	1,3,5-Trimethylbenzene	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
18	1,3-Dichlorobenzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
19	1,3-Dichloropropane	μg/kg	ND	ND	ND	ND	ND	ND	ND	NÐ	ND	ND
20	1,4-Dichlorobenzene	µg/kg	ND	ND	NÐ	ND	ND	ND	ND	ND	ND	ND
21	2,2-Dichloropropane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2.2.	2-Butanone	µg/kg	ND	ND	ND	ND	ND	ND	ND	5.52 J	ND	ND
23	2-Chlorotoluene	µg/kg	NO	ND	ND	ND	ND	ND	ND	ND	ND	ND
24	2-Hexanone	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
25 4	4-Chlorotoluene	μg/kg	ND	ND	ND	NÐ	ND	ND	ND	ND	ND	ND
26	4-isopropyitoluene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
27 4	4-Methyl-2-pentanone	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
28 /	Acetone	μg/kg	ND	ND	ND	ND	7.72.1	11.6 J	29.1 J	27.1 J	21.4 }	12.4 J
29 8	Benzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
30 E	Bromobenzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	NÐ	ND
31 E	Bromochloromethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12 E	Bromodichloromethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3 E	Bromoform	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
14 E	Bromomethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

J: Estimated amount between the detection limit and reporting limit

R: Data rejected

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Table	7.	Continued

		Borehole →	E11-180	E11-181	E11-181	E11-181	E11-182	E11-182	E11-182	E11-182	E11-183	E11-183
No		Sample ID →	S4	S1	S2	\$3	S1	\$2	S3	S4	S1	S2
2223	Analyte 🗸	Depth, m $\rightarrow$	~10.0	0.0~0.5	~2.0	~5.0	0.0~0.5	~2,0	~5.0	~10.0	0.0~0.5	~2.0
35	Carbon disulfide	µg/kg	ND	ND	ND	NÐ	ND	ND	ND	ND	ND	ND
36	Carbon tetrachloride	µg/kg	ND	ND	ND	ND	ND	ND	NÐ	ND	ND	ND
37	Chlorobenzene	µg/kg	ND									
38	Chloroethane	µg/kg	ND									
39	Chloroform	μg/kg	ND									
40	Chloromethane	μg/kg	ND									
41	cis-1,2-Dichloroethene	µg/kg	ND	ND	ND	3.64 J	ND	ND	0.908 J	7.15	ND	ND
42	cis-1,3-Dichloropropene	µg/kg	ND	NÐ	ND	ND						
43	Dibromochloromethane	μg/kg	ND									
	Dibromomethane	μg/kg	ND									
45	Dichlorodifluoromethane	µg/kg	ND									
46	Ethyl Benzene	µg/kg	NÐ	ND								
	Hexachlorobutadiene	µg/kg	ND									
48	Isopropylbenzene (Cumene)	µg/kg	ND									
49	m,p-Xylene	µg/kg	ND	ND	ND	NÐ	ND	ND	ND	ND	ND	ND
50	Methyl iodide	µg/kg	ND	NÐ	ND							
51	Methylene chloride	µg/kg	ND	ND	ND	ND	1,4 J	1.78 J	1.49 J	2.22 J	3.69 J	2.26 J
52	Naphthalene	µg/kg	ND	NÐ	ND	ND						
53	n-Butylbenzene	µg/kg	ND									
	n-Propylbenzene	μg/kg	ND									
55	o-Xylene	µg/kg	ND									
56	sec-Butylbenzene	µg/kg	ND									
	Styrene	µg/kg	ND									
	tert-Butyl methyl ether (MTBE)	µg/kg	ND									
	tert-Butylbenzene	µg/kg	ND									
	Tetrachloroethene	µg/kg	ND	ND	4.85	9.39	ND	4.13 J	13,7	27	ND	ND
	Toluene	µg/kg	21300	ND	NÐ							
62	trans-1,2-Dichloroethene	µg/kg	ND									
63	trans-1,3-Dichloropropene	µg/kg	ND									
64	trans-1,4-Dichloro-2-butene	µg/kg	NÐ	ND								
	Frichloroethene	µg/kg	ND	ND	ND	2.02 J	ND	ND	1.25 J	4.47	ND	ND
-	Frichlorofluoromethane	µg/kg	ND									
67 N	/inyl chloride	µg/kg	ND									

J: Estimated amount between the detection limit and reporting limit

R: Data rejected

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		Borehole ->		E11-183	E11-184	E11-184	E11-184	E11-184	E11-185	E11-185	E11-185	E11-185
No		Sample ID →	S3	S4	S1	52	53	S4	S1	S2	\$3	S4
	Analyte↓	Depth, m →	~5.0	~10.0	0.0~0.5	~2.0	~5.0	~8.75	0.0~0.5	~2.0	~5.0	~8.8
1	1,1,1,2-Tetrachloroethane	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2	1,1,1-Trichloroethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3	1,1,2,2-Tetrachloroethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4	1,1,2-Trichloroethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	NÐ
5	1,1-Dichloroethane	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	NÐ	ND
6	1,1-Dichloroethene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7	1,1-Dichloropropene	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
8	1,2,3-Trichlorobenzene	µg/kg	NÐ	NÐ	ND	ND	NÐ	ND	ND	ND	ND	ND
9	1,2,3-Trichloropropane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10	1,2,4-Trichlorobenzene	µg/kg	ND	NÐ	ND							
11	1,2,4-Trimethylbenzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12	1,2-Dibromo-3-chloropropane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
13	1,2-Dibromoethane	µg/kg	ND	ND	NÐ	ND						
14	1,2-Dichlorobenzene	µg/kg	ND	ND	ND	NÐ	ND	ND	ND	ND	ND	ND
15	1,2-Dichloroethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
16	1,2-Dichloropropane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
17	1,3,5-Trimethylbenzene	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
18	1,3-Dichlorobenzene	µg/kg	ND	ND	ND	NÐ	ND	ND	ND	ND	NÐ	ND
19	1,3-Dichloropropane	µg/kg	ND	ND	ND	ND	ND	ND	ND	NÐ	ND	ND
20	1,4-Dichlorobenzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
21	2,2-Dichloropropane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
22	2-Butanone	µg/kg	ND	ND	7,77 J	3.44 1	2.72 J	ND	11,5 J	2.04 J	5.23 J	ND
23	2-Chlorotoluene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
24	2-Hexanone	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
25	4-Chlorotoluene	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
26	4-isopropyitoluene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
27	4-Methyl-2-pentanone	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Z8	Acetone	µg/kg	5,95 J	16,3 J	45	11,2 J	15 J	ND	49.6	12.2 J	33.8 J	2.37 J
29	Benzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
30 1	Bromobenzene	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
31	Bromochloromethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
32	Bromodichloromethane	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
33	Bromoform	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
34 1	Bromomethane	μg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

J: Estimated amount between the detection limit and reporting limit

R: Data rejected