

ภาคผนวก ค

ผลการติดตามตรวจสอบคุณภาพสิ่งแวดล้อม



ภาคผนวก ค-1  
ผลการติดตามตรวจสอบคุณภาพอากาศ



ผลการติดตามตรวจสอบ  
คุณภาพอากาศในบรรยากาศ

























































## ANALYSIS REPORT

**CUSTOMER NAME:** THE PEOPLE'S PUBLIC CORP. (PHILIPPINE)  
**ADDRESS:** 385 POC 3 (PITAGAN) ROAD, PITAGAN, TACLOBAN, SOUTHERN LEYTE  
**CONTACT INFORMATION:** TEL: 09 338 8141, email: tps@peoplepublic.com  
**MEASURING PLACE:** 1000 KM TOWER  
**MEASURING TYPE:** ANEMOMETER  
**MEASURING DATE:** FEBRUARY 15, 2020  
**MEASURING TIME:** 8:00 AM  
**MEASURING EQUIPMENT:** AUTO SPEED & WIND DIRECTION EQUIPMENT  
**PREPARED BY:** MS. ROSA R. RIVERA

**RECEIVED DATE:** FEBRUARY 15, 2020  
**ANALYST'S DATE:** FEBRUARY 15, 2020  
**ISSUE DATE:** FEBRUARY 15, 2020  
**REPORT NO.:** 1000-00000  
**ANALYST'S NO.:** 1000-00000

Time	FEBRUARY 14-15, 2020			FEBRUARY 16-17, 2020		
	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION
08:00 (08:00) HOUR	1.2	10	4.6	10	3.3	10
09:00 (09:00) HOUR	1.2	10	4.1	10	3.3	10
10:00 (10:00) HOUR	1.1	10	1.4	10	3.3	10
11:00 (11:00) HOUR	1.1	10	1.9	10	3.3	10
12:00 (12:00) HOUR	1.1	10	2.3	10	3.3	10
13:00 (13:00) HOUR	1.1	10	2.3	10	3.3	10
14:00 (14:00) HOUR	1.1	10	2.3	10	3.3	10
15:00 (15:00) HOUR	1.1	10	2.3	10	3.3	10
16:00 (16:00) HOUR	1.1	10	2.3	10	3.3	10
17:00 (17:00) HOUR	1.1	10	2.3	10	3.3	10
18:00 (18:00) HOUR	1.1	10	2.3	10	3.3	10
19:00 (19:00) HOUR	1.1	10	2.3	10	3.3	10
20:00 (20:00) HOUR	1.1	10	2.3	10	3.3	10
21:00 (21:00) HOUR	1.1	10	2.3	10	3.3	10
22:00 (22:00) HOUR	1.1	10	2.3	10	3.3	10
23:00 (23:00) HOUR	1.1	10	2.3	10	3.3	10
00:00 (00:00) HOUR	1.1	10	2.3	10	3.3	10
01:00 (01:00) HOUR	1.1	10	2.3	10	3.3	10
02:00 (02:00) HOUR	1.1	10	2.3	10	3.3	10
03:00 (03:00) HOUR	1.1	10	2.3	10	3.3	10
04:00 (04:00) HOUR	1.1	10	2.3	10	3.3	10
05:00 (05:00) HOUR	1.1	10	2.3	10	3.3	10
06:00 (06:00) HOUR	1.1	10	2.3	10	3.3	10
07:00 (07:00) HOUR	1.1	10	2.3	10	3.3	10
<b>AVERAGE</b>	<b>1.1</b>	<b>10</b>	<b>2.3</b>	<b>10</b>	<b>3.3</b>	<b>10</b>



As an example, let us suppose that the

the present study, results for the 100% computerized and the 100% paper-based conditions are not statistically different. This is due to the fact that the 100% computerized condition is not a true 100% computerized condition.

Name	DOB	Nationality	Location	Milestone Date	Research	
					GP Visit (mm/dd/yy)	Weight (kg)
Child: Representative Pediatric (122) - 10 months		USA	Shaw, John Henry School	02/25/98	01/20/98	9
			Shaw, John Henry School	03/01/98	01/11/98	9.9
			Shaw, John Henry School	03/22/98	01/22/98	9
			Shaw, John Henry School	04/01/98	01/01/98	9.5
			Shaw, John Henry School	04/02/98	01/02/98	9.5
Child: Representative Pediatric (123) - 10 months		USA	Shaw, John Henry School	04/02/98	01/02/98	9
			Shaw, John Henry School	04/02/98	01/02/98	9
			Shaw, John Henry School	04/02/98	01/02/98	9
			Shaw, John Henry School	04/02/98	01/02/98	9
			Shaw, John Henry School	04/02/98	01/02/98	9
Child: Representative Pediatric (124) - 10 months		USA	Shaw, John Henry School	04/02/98	01/02/98	9
			Shaw, John Henry School	04/02/98	01/02/98	9
			Shaw, John Henry School	04/02/98	01/02/98	9
			Shaw, John Henry School	04/02/98	01/02/98	9
			Shaw, John Henry School	04/02/98	01/02/98	9

Wind Rose and Gary Fort Vladimir  
 Founded in 1965

[illegible]

planning. The programme was a mixture of self-directed learning and face-to-face sessions. The programme was delivered by a facilitator (Dr M. G. Jones) and a research fellow (Dr M. G. Jones).

4.1.12 (10/10/12) 19/08/12	4.1.12 (10/10/12) 19/08/12	4.1.12 (10/10/12) 19/08/12
----------------------------------	----------------------------------	----------------------------------

## Wind Flood Insurance Fund



© 2004 Blackwell Publishing Ltd  
Journal of Internal Medicine 255: 103–110

... ..

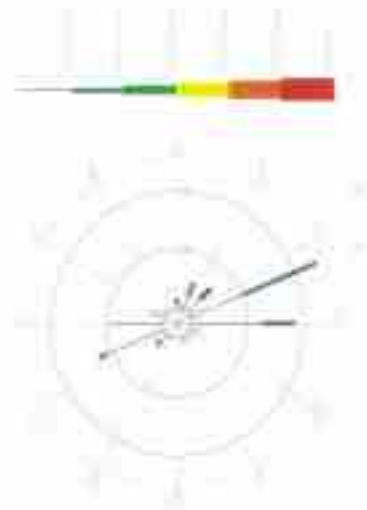
[illegible]



THE PRAIRIE FIRE OF 1910-1911  
 EXAMINING QUALITY IMPROVEMENT  
 PROJECT CONTINGENCY, 100% COMPLETION/100% SATISFACTION  
 A project completion is required for the school

Type	Line	Number	Location	Measure	Value	Percent	
						Wind Speed (mph)	Wind Direction (degrees)
Type: Regional Firestorm (Type: 100% completion)	100%	100%	Star Sub-Plan School	0.1250	0.1250	1.5	5
			Star Sub-Plan School	0.1250	0.1250	1.5	5
			Star Sub-Plan School	0.1250	0.1250	1.5	5
			Star Sub-Plan School	0.1250	0.1250	1.5	5
			Star Sub-Plan School	0.1250	0.1250	1.5	5
			Star Sub-Plan School	0.1250	0.1250	1.5	5
Average of Total Regional Firestorm (Type: 100% completion)	100%	100%	Star Sub-Plan School	0.1250	0.1250	1.5	5
			Star Sub-Plan School	0.1250	0.1250	1.5	5
			Star Sub-Plan School	0.1250	0.1250	1.5	5
			Star Sub-Plan School	0.1250	0.1250	1.5	5
			Star Sub-Plan School	0.1250	0.1250	1.5	5
			Star Sub-Plan School	0.1250	0.1250	1.5	5
Average of Total Regional Firestorm (Type: 100% completion)	100%	100%	Star Sub-Plan School	0.1250	0.1250	1.5	5
			Star Sub-Plan School	0.1250	0.1250	1.5	5
			Star Sub-Plan School	0.1250	0.1250	1.5	5
			Star Sub-Plan School	0.1250	0.1250	1.5	5
			Star Sub-Plan School	0.1250	0.1250	1.5	5
			Star Sub-Plan School	0.1250	0.1250	1.5	5

Wind Flow Analysis for the Prairie Firestorm  
 (Type: 100% completion)



100% completion  
 (Type: 100% completion)

100% completion (Type: 100% completion)  
 100% completion (Type: 100% completion)  
 100% completion (Type: 100% completion)

100% completion (Type: 100% completion)	100% completion (Type: 100% completion)	100% completion (Type: 100% completion)
--	--	--

**REKAM KASUS  
MEDI GIGI KANDIDAT  
KEMAHKAMAN 1 dan 2019 (2019)**

1. identitas:                      2. tanggal:                      3. jenis gigi:                      4. jenis gigi:                     

5. jenis gigi:                      6. jenis gigi:                      7. jenis gigi:                      8. jenis gigi:                     

NO	NO	NO	NO	NO	NO	NO	NO
1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16

NO	NO	NO	NO	NO	NO	NO	NO
17	18	19	20	21	22	23	24
25	26	27	28	29	30	31	32
33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48
49	50	51	52	53	54	55	56
57	58	59	60	61	62	63	64
65	66	67	68	69	70	71	72
73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88
89	90	91	92	93	94	95	96
97	98	99	100	101	102	103	104
105	106	107	108	109	110	111	112
113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128
129	130	131	132	133	134	135	136
137	138	139	140	141	142	143	144
145	146	147	148	149	150	151	152
153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168
169	170	171	172	173	174	175	176
177	178	179	180	181	182	183	184
185	186	187	188	189	190	191	192
193	194	195	196	197	198	199	200

Rekam kasus gigi ini dibuat oleh dokter gigi yang berkecualan.

Dokter Gigi:                      Tanggal:                     

Rekam kasus gigi ini dibuat oleh dokter gigi yang berkecualan.

Dokter Gigi:                      Tanggal:                     

Rekam kasus gigi ini dibuat oleh dokter gigi yang berkecualan.

Dokter Gigi:                      Tanggal:                     

**REKAM KASUS  
MEDI GIGI KANDIDAT  
KEMAHKAMAN 1 dan 2019 (2019)**

1. identitas:                      2. tanggal:                      3. jenis gigi:                      4. jenis gigi:                     

5. jenis gigi:                      6. jenis gigi:                      7. jenis gigi:                      8. jenis gigi:                     

NO	NO	NO	NO	NO	NO	NO	NO
1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16

NO	NO	NO	NO	NO	NO	NO	NO
17	18	19	20	21	22	23	24
25	26	27	28	29	30	31	32
33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48
49	50	51	52	53	54	55	56
57	58	59	60	61	62	63	64
65	66	67	68	69	70	71	72
73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88
89	90	91	92	93	94	95	96
97	98	99	100	101	102	103	104
105	106	107	108	109	110	111	112
113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128
129	130	131	132	133	134	135	136
137	138	139	140	141	142	143	144
145	146	147	148	149	150	151	152
153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168
169	170	171	172	173	174	175	176
177	178	179	180	181	182	183	184
185	186	187	188	189	190	191	192
193	194	195	196	197	198	199	200
201	202	203	204	205	206	207	208
209	210	211	212	213	214	215	216
217	218	219	220	221	222	223	224
225	226	227	228	229	230	231	232
233	234	235	236	237	238	239	240
241	242	243	244	245	246	247	248
249	250	251	252	253	254	255	256
257	258	259	260	261	262	263	264
265	266	267	268	269	270	271	272
273	274	275	276	277	278	279	280
281	282	283	284	285	286	287	288
289	290	291	292	293	294	295	296
297	298	299	300	301	302	303	304
305	306	307	308	309	310	311	312
313	314	315	316	317	318	319	320
321	322	323	324	325	326	327	328
329	330	331	332	333	334	335	336
337	338	339	340	341	342	343	344
345	346	347	348	349	350	351	352
353	354	355	356	357	358	359	360
361	362	363	364	365	366	367	368
369	370	371	372	373	374	375	376
377	378	379	380	381	382	383	384
385	386	387	388	389	390	391	392
393	394	395	396	397	398	399	400

Rekam kasus gigi ini dibuat oleh dokter gigi yang berkecualan.

Dokter Gigi:                      Tanggal:                     

Rekam kasus gigi ini dibuat oleh dokter gigi yang berkecualan.

Dokter Gigi:                      Tanggal:                     

Rekam kasus gigi ini dibuat oleh dokter gigi yang berkecualan.

Dokter Gigi:                      Tanggal:

ผลการติดตามตรวจสอบ  
คุณภาพอากาศระบายจากปล่อง







## ANALYSIS REPORT

**CUSTOMER NAME** : THE PUBLIC COMPANY LIMITED  
**ADDRESS** : 255/100-1, Witthayu Road, Nonthaburi Province, Nonthaburi, Thailand  
**CONTACT INFORMATION** : Tel. : 02-262-1111 Email : info@luec.com  
**SAMPLE SOURCE** : THE PUBLIC COMPANY LIMITED  
**SAMPLE TYPE** : STOCK  
**SAMPLING DATE** : APRIL 26, 2023  
**SAMPLING TIME** : 10:10 (10 HOUR)  
**SAMPLING BY** : MR. KORNTHORN PITHANANTHAKORN (40-1-1001)  
**ANALYZED BY** : MRS. SUDAN KORNTHORN (40-1-1001)

**RECEIVED DATE** : APRIL 26, 2023  
**ANALYTICAL DATE** : APRIL 30-MAY 11, 2023  
**ISSUE DATE** : MAY 26, 2023  
**REPORT NO.** : 2023-041421  
**WORK NO.** : 2023-011010  
**ANALYSIS NO.** : 1234567890

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			MAIN STACK #1 T255/10-1001
CHLORINE	ppm	GAZ CHROMATOGRAPHIC METHOD (GC-MS) (100% CHLORINE)	ACTUAL OXYGEN : 0.00% % CHLORINE : 0.00%
PHOSPHORUS	ppm	GAZ CHROMATOGRAPHIC METHOD (GC-MS) (100% PHOSPHORUS)	ACTUAL OXYGEN : 0.00% % PHOSPHORUS : 0.00%
SAMPLE CONDITION			COMPLETION

**REFERENCE CONDITION** : 1.00% CHLORINE, 0.00% PHOSPHORUS, 0.00% CHLORINE, 0.00% PHOSPHORUS, 0.00% CHLORINE, 0.00% PHOSPHORUS

*Signature* ✓

(THIS IS SIGNATURE OF THE ANALYST)  
 LABORATORY SUPERVISOR



• INFORMATION IS PARTIALLY COPY ANALYST SIGNATURE TO BE WRITTEN PERMISSION BY THE LABORATORY.  
 • THIS ANALYST REPORT APPROVES ONLY FOR THE SAMPLES AS RECEIVED.



End of Analysis Report

## ANALYSIS REPORT

**CUSTOMER NAME** : THE PUBLIC COMPANY LIMITED  
**ADDRESS** : 255/100-1, Witthayu Road, Nonthaburi Province, Nonthaburi, Thailand  
**CONTACT INFORMATION** : Tel. : 02-262-1111 Email : info@luec.com  
**SAMPLE SOURCE** : THE PUBLIC COMPANY LIMITED  
**SAMPLE TYPE** : STOCK  
**SAMPLING DATE** : APRIL 26, 2023  
**SAMPLING TIME** : 10:10 (10 HOUR)  
**SAMPLING BY** : MR. KORNTHORN PITHANANTHAKORN (40-1-1001)  
**ANALYZED BY** : MRS. SUDAN KORNTHORN (40-1-1001)

**RECEIVED DATE** : APRIL 26, 2023  
**ANALYTICAL DATE** : APRIL 30-MAY 11, 2023  
**ISSUE DATE** : MAY 26, 2023  
**REPORT NO.** : 2023-041421  
**WORK NO.** : 2023-011010  
**ANALYSIS NO.** : 1234567890

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			MAIN STACK #1 T255/10-1001
CHLORINE	ppm	GAZ CHROMATOGRAPHIC METHOD (GC-MS) (100% CHLORINE)	ACTUAL OXYGEN : 0.00% % CHLORINE : 0.00%
PHOSPHORUS	ppm	GAZ CHROMATOGRAPHIC METHOD (GC-MS) (100% PHOSPHORUS)	ACTUAL OXYGEN : 0.00% % PHOSPHORUS : 0.00%
SAMPLE CONDITION			COMPLETION

**REFERENCE CONDITION** : 1.00% CHLORINE, 0.00% PHOSPHORUS, 0.00% CHLORINE, 0.00% PHOSPHORUS, 0.00% CHLORINE, 0.00% PHOSPHORUS

*Signature* ✓

(THIS IS SIGNATURE OF THE ANALYST)  
 LABORATORY SUPERVISOR



• INFORMATION IS PARTIALLY COPY ANALYST SIGNATURE TO BE WRITTEN PERMISSION BY THE LABORATORY.  
 • THIS ANALYST REPORT APPROVES ONLY FOR THE SAMPLES AS RECEIVED.



End of Analysis Report









**ANALYSIS REPORT**

**CUSTOMER NAME** : THE PUBLIC PUBLIC COMPANY LIMITED  
**ADDRESS** : 281 Pooty Nattapong Road, Pooty Nattapong, Bangkok, Thailand 10110  
**CONTACT INFORMATION** : TEL: (66) 026 262 2626 (Overseas) (66) 026 262 2627  
**MEASURING SOURCE** : THE PUBLIC PUBLIC COMPANY LIMITED  
**MEASURING TYPE** : STAGE  
**MEASURING DATE** : APRIL 21, 2023  
**MEASURING TIME** : 12:00 (12:00 HOUR)  
**MEASURING METHOD** : U.S. EPA METHOD 816.1  
**MEASURED BY** : MR. KORNARONG KITTAKULNATHAN (40-1004)

**RECEIVED DATE** : APRIL 21, 2023  
**ANALYTICAL DATE** : APRIL 21, 2023  
**ISSUE DATE** : MAY 22, 2023  
**REPORT NO.** : 2023-040438  
**WORK NO.** : 2023-011003  
**ANALYST NO.** : 725459 (SEE)

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		
			MAIN STACK #2 TITRATED-SUB	ACTUAL DENSITY	% OXYGEN
TOTAL SULFURIC COMPOUND	ppm	TOT ANALYSIS PLANT CONDITION ANALYSIS LTD (SEE METHOD 816.1)	2.2	2.2	0.2
SAMPLE CONDITION					
COMPLETE					

**REFERENCE CONDITION** IS TO BE USED TO CORRECT AT 1% OXYGEN AND DRY BASIS.  
 1. **ANALYST** : EIA (EIA/ENVIRONMENTAL)  
 2. **ANALYST** : EIA (EIA/ENVIRONMENTAL)  
 3. **ANALYST** : EIA (EIA/ENVIRONMENTAL)  
 4. **ANALYST** : EIA (EIA/ENVIRONMENTAL)



 (MR. NATTAWAT CHONGWAT)  
 LABORATORY SUPERVISOR


1. **ANALYST** : EIA (EIA/ENVIRONMENTAL)  
 2. **ANALYST** : EIA (EIA/ENVIRONMENTAL)  
 3. **ANALYST** : EIA (EIA/ENVIRONMENTAL)  
 4. **ANALYST** : EIA (EIA/ENVIRONMENTAL)

- End of Analysis Report -

**ANALYSIS REPORT**

**CUSTOMER NAME** : THE PUBLIC PUBLIC COMPANY LIMITED  
**ADDRESS** : 281 Pooty Nattapong Road, Pooty Nattapong, Bangkok, Thailand 10110  
**CONTACT INFORMATION** : TEL: (66) 026 262 2626 (Overseas) (66) 026 262 2627  
**MEASURING SOURCE** : THE PUBLIC PUBLIC COMPANY LIMITED  
**MEASURING TYPE** : STAGE  
**MEASURING DATE** : APRIL 21, 2023  
**MEASURING TIME** : 12:00 (12:00 HOUR)  
**MEASURING METHOD** : U.S. EPA METHOD 816.1  
**MEASURED BY** : MR. KORNARONG KITTAKULNATHAN (40-1004)

**RECEIVED DATE** : APRIL 21, 2023  
**ANALYTICAL DATE** : APRIL 21, 2023  
**ISSUE DATE** : MAY 22, 2023  
**REPORT NO.** : 2023-040437  
**WORK NO.** : 2023-011003  
**ANALYST NO.** : 725459 (SEE)

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		
			MAIN STACK #2 TITRATED-SUB	ACTUAL DENSITY	% OXYGEN
SULFURIC COMPOUND	ppm	U.S. EPA CODE OF FEDERAL REGULATIONS 40 CFR PART 61 APPENDIX A, METHOD 816.1 (SEE METHOD 816.1)	2.2	2.2	0.2
MEASURING TYPE	ppm	U.S. EPA CODE OF FEDERAL REGULATIONS 40 CFR PART 61 APPENDIX A, METHOD 816.1 (SEE METHOD 816.1)	2.2	2.2	0.2
MEASURING DATE	ppm	U.S. EPA CODE OF FEDERAL REGULATIONS 40 CFR PART 61 APPENDIX A, METHOD 816.1 (SEE METHOD 816.1)	2.2	2.2	0.2
MEASURING TIME	ppm	U.S. EPA CODE OF FEDERAL REGULATIONS 40 CFR PART 61 APPENDIX A, METHOD 816.1 (SEE METHOD 816.1)	2.2	2.2	0.2
MEASURING METHOD	ppm	U.S. EPA CODE OF FEDERAL REGULATIONS 40 CFR PART 61 APPENDIX A, METHOD 816.1 (SEE METHOD 816.1)	2.2	2.2	0.2
MEASURED BY	ppm	U.S. EPA CODE OF FEDERAL REGULATIONS 40 CFR PART 61 APPENDIX A, METHOD 816.1 (SEE METHOD 816.1)	2.2	2.2	0.2
SAMPLE CONDITION					
COMPLETE					

**REFERENCE CONDITION** IS TO BE USED TO CORRECT AT 1% OXYGEN AND DRY BASIS.  
 1. **ANALYST** : EIA (EIA/ENVIRONMENTAL)  
 2. **ANALYST** : EIA (EIA/ENVIRONMENTAL)  
 3. **ANALYST** : EIA (EIA/ENVIRONMENTAL)  
 4. **ANALYST** : EIA (EIA/ENVIRONMENTAL)



 (MR. NATTAWAT CHONGWAT)  
 LABORATORY SUPERVISOR


1. **ANALYST** : EIA (EIA/ENVIRONMENTAL)  
 2. **ANALYST** : EIA (EIA/ENVIRONMENTAL)  
 3. **ANALYST** : EIA (EIA/ENVIRONMENTAL)  
 4. **ANALYST** : EIA (EIA/ENVIRONMENTAL)

- End of Analysis Report -













United Analysis and Engineering Consultant Co., Ltd.  
22nd Floor, 111, Sukhumvit Road, Bangkok, Thailand 10110  
Tel: 02-262 1515 Fax: 02-262 1516 Email: [info@unitedanalysis.com](mailto:info@unitedanalysis.com)

### ANALYSIS REPORT

**CUSTOMER NAME :** (TH) PUBLIC PUBLIC COMPANY LIMITED  
**ADDRESS :** 209 MOO 5 HITTANAR ROAD HITTANAR TAMBANANG SUBDISTRICT SAMRAUNG KHAM  
**CONTACT INFORMATION :** TEL : 08 4294 9141 E-mail : [Chai@unitedanalysis.com](mailto:Chai@unitedanalysis.com)  
**SAMPLING SOURCE :** (TH) PUBLIC PUBLIC COMPANY LIMITED  
**SAMPLE TYPE :** STICK  
**SAMPLING DATE :** FEBRUARY 8, 2023  
**SAMPLING TIME :** 13:30-13:35 HOUR  
**SAMPLING BY :** MR. ANTHONY THIRUPATHI  
**ANALYZED BY :** MISS WIRASORN PACHARONGTHAM  
**RECEIVED DATE :** FEBRUARY 10, 2023  
**ANALYTICAL DATE :** FEBRUARY 10-22, 2023  
**ISSUE DATE :** MARCH 1, 2023  
**REPORT NO. :** 2023-01-001  
**WORK NO. :** 2023-01-001  
**ANALYSIS NO. :** T20AC719-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	
			MAJOR STACK #1 T20AC719-0002	MAJOR STACK #2 T20AC719-0003
CO2	ppm	IR GAS CHROMATOGRAPHIC ESTIMATION (IR) METHOD (IR)	<0.00	<0.00
PM10	ppm	GRAVIMETRIC METHOD (US EPA METHOD 5)	<0.00	<0.00
SAMPLE CONDITION			COMPLETE	

**REMARK :** REFERENCE CONCENTRATION IS (MAJOR STACK #1, #2) CONCENTRATION AND DATA BASE

*Signature* ✓

UNITED ANALYSIS AND ENGINEERING CONSULTANT CO., LTD.  
LABORATORY SUPERVISOR  
S. 145-0-001

• PROHIBITED TO PARTIALLY COPY ANALYSIS REPORT PRIOR TO WRITTEN PERMISSION BY THE LABORATORY.  
• THIS ANALYSIS REPORT APPROVED ONLY FOR THE SAMPLE AS RECEIVED.



End of Analysis Report



United Analysis and Engineering Consultant Co., Ltd.  
22nd Floor, 111, Sukhumvit Road, Bangkok, Thailand 10110  
Tel: 02-262 1515 Fax: 02-262 1516 Email: [info@unitedanalysis.com](mailto:info@unitedanalysis.com)

### ANALYSIS REPORT

**CUSTOMER NAME :** (TH) PUBLIC PUBLIC COMPANY LIMITED  
**ADDRESS :** 209 MOO 5 HITTANAR ROAD HITTANAR TAMBANANG SUBDISTRICT SAMRAUNG KHAM  
**CONTACT INFORMATION :** TEL : 08 4294 9141 E-mail : [Chai@unitedanalysis.com](mailto:Chai@unitedanalysis.com)  
**SAMPLING SOURCE :** (TH) PUBLIC PUBLIC COMPANY LIMITED  
**SAMPLE TYPE :** STICK  
**SAMPLING DATE :** FEBRUARY 8, 2023  
**SAMPLING TIME :** 13:30-13:35 HOUR  
**SAMPLING BY :** MR. ANTHONY THIRUPATHI  
**ANALYZED BY :** MISS WIRASORN PACHARONGTHAM  
**RECEIVED DATE :** FEBRUARY 10, 2023  
**ANALYTICAL DATE :** FEBRUARY 10-22, 2023  
**ISSUE DATE :** MARCH 1, 2023  
**REPORT NO. :** 2023-01-001  
**WORK NO. :** 2023-01-001  
**ANALYSIS NO. :** T20AC719-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	
			MAJOR STACK #1 T20AC719-0002	MAJOR STACK #2 T20AC719-0003
CO2	ppm	IR GAS CHROMATOGRAPHIC ESTIMATION (IR) METHOD (IR)	<0.00	<0.00
PM10	ppm	GRAVIMETRIC METHOD (US EPA METHOD 5)	<0.00	<0.00
SAMPLE CONDITION			COMPLETE	

**REMARK :** REFERENCE CONCENTRATION IS (MAJOR STACK #1, #2) CONCENTRATION AND DATA BASE

*Signature* ✓

UNITED ANALYSIS AND ENGINEERING CONSULTANT CO., LTD.  
LABORATORY SUPERVISOR  
S. 145-0-001

• PROHIBITED TO PARTIALLY COPY ANALYSIS REPORT PRIOR TO WRITTEN PERMISSION BY THE LABORATORY.  
• THIS ANALYSIS REPORT APPROVED ONLY FOR THE SAMPLE AS RECEIVED.



End of Analysis Report



United Analysts and Engineering Consultant Co., Ltd.  
33rd Floor, 45, Sukhumvit Road, Bangkok, Thailand 10110  
Tel: 02-2541 1111 Fax: 02-2541 1111 Email: info@unitedanalyst.com

## ANALYSIS REPORT

**CUSTOMER NAME:** THE POLICE PUBLIC COMPANY LIMITED  
**ADDRESS:** 200 MOO 5 PETHAMPAI ROAD PETHAMPAI TAMBON PAKHONG DISTRICT 12100  
**CONTACT INFORMATION:** TEL: 08-4394 9181 Email: info@unitedanalyst.com  
**MEASURING SOURCE:** THE POLICE PUBLIC COMPANY LIMITED  
**MEASURING TYPE:** STAIN  
**MEASURING DATE:** FEBRUARY 8, 2023  
**MEASURING TIME:** 10:00-10:30 HOUR  
**MEASURING METHOD:** 105.538 PETHAMPAI PA  
**MEASURED BY:** MR. ATTACH TOUNGTHAN  
**RECEIVED DATE:** FEBRUARY 8, 2023  
**ANALYTICAL DATE:** FEBRUARY 8, 2023  
**ISSUE DATE:** MARCH 1, 2023  
**REPORT NO.:** 2023-000008  
**WORK NO.:** 2024-01043  
**ANALYSIS NO.:** T25AC719-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	
			MAIN STACK #1 T25AC719-0002	
TOTAL ORGANIC CARBON	ppm	TOC ANALYZER, PLASMA OXIDATION ANALYSIS EAT JPS METHOD 200	1.8	1.8
SAMPLE CONDITION			COMPLETE	

**REMARK:**  
**RESULT:** REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1.80000000 AND 200 MG/L  
CONTAMINANT IN DISCHARGE  
TOTAL ORGANIC CARBON IS 1.80 ppm

*Notawat*  
PH. ATTACH TOUNGTHAN  
LABORATORY SUPERVISOR

\* PRESIDENTIAL TO PARTIALLY COPY ANALYSIS RESULT PRIOR TO WRITTEN PERMISSION BY THE LABORATORY.  
\* THIS ANALYSIS REPORT APPROVED ONLY FOR THE SAMPLE AS RECEIVED.



- End of Analysis Report -



United Analysts and Engineering Consultant Co., Ltd.  
33rd Floor, 45, Sukhumvit Road, Bangkok, Thailand 10110  
Tel: 02-2541 1111 Fax: 02-2541 1111 Email: info@unitedanalyst.com

## ANALYSIS REPORT

**CUSTOMER NAME:** THE POLICE PUBLIC COMPANY LIMITED  
**ADDRESS:** 200 MOO 5 PETHAMPAI ROAD PETHAMPAI TAMBON PAKHONG DISTRICT 12100  
**CONTACT INFORMATION:** TEL: 08-4394 9181 Email: info@unitedanalyst.com  
**MEASURING SOURCE:** THE POLICE PUBLIC COMPANY LIMITED  
**MEASURING TYPE:** STAIN  
**MEASURING DATE:** FEBRUARY 8, 2023  
**MEASURING TIME:** 12:25-12:30 HOUR  
**MEASURING METHOD:** 105.538 PETHAMPAI PA  
**MEASURED BY:** MR. ATTACH TOUNGTHAN  
**RECEIVED DATE:** FEBRUARY 8, 2023  
**ANALYTICAL DATE:** FEBRUARY 8, 2023  
**ISSUE DATE:** MARCH 1, 2023  
**REPORT NO.:** 2023-000029  
**WORK NO.:** 2024-01043  
**ANALYSIS NO.:** T25AC719-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	
			MAIN STACK #1 T25AC719-0003	
SULFUR DIOXIDE	ppm	U.S. EPA CODE OF FEDERAL REGULATIONS 40 CFR PART 50 APPENDIX A METHOD 10.10.1.2021	4.1	4.1
NITROGEN DIOXIDE	ppm	U.S. EPA CODE OF FEDERAL REGULATIONS 40 CFR PART 50 APPENDIX A METHOD 10.10.1.2021	4.0	4.0
CARBON MONOXIDE	ppm	U.S. EPA CODE OF FEDERAL REGULATIONS 40 CFR PART 50 APPENDIX A METHOD 10.10.1.2021	4.0	4.0
SAMPLE CONDITION			COMPLETE	

**REMARK:**  
**RESULT:** REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1.80000000 AND 200 MG/L  
CONTAMINANT IN DISCHARGE  
SULFUR DIOXIDE 4.10 ppm  
NITROGEN DIOXIDE 4.00 ppm

*Notawat*  
PH. ATTACH TOUNGTHAN  
LABORATORY SUPERVISOR

\* PRESIDENTIAL TO PARTIALLY COPY ANALYSIS REPORT PRIOR TO WRITTEN PERMISSION BY THE LABORATORY.  
\* THIS ANALYSIS REPORT APPROVED ONLY FOR THE SAMPLE AS RECEIVED.



- End of Analysis Report -







United Analyst and Engineering Consultant Co., Ltd.  
17th Floor of, Suburban Road, Pattaya 1, Pattaya, Chonburi, Thailand  
Tel: 033-888 8888 Fax: 033-888 8888 Email: info@laurae.com

### ANALYSIS REPORT

**CUSTOMER NAME** : THE POLICE PUBLIC COMPANY LIMITED  
**ADDRESS** : 200 MOO 5 PATTANAPOL ROAD, PATTANAPOL TOWN, SAENSAENG SUBDISTRICT, SAMUTRAKARNI  
**CONTACT INFORMATION** : TEL: 08-4288 8888 Email: info@laurae.com  
**SAMPLE SOURCE** : THE POLICE PUBLIC COMPANY LIMITED  
**SAMPLE TYPE** : STATION  
**SAMPLING DATE** : FEBRUARY 8, 2025  
**SAMPLING TIME** : 10:00-11:00 HOUR  
**SAMPLING BY** : MR. NICHANON PONGSILAPATTANA + 915-4-0000  
**ANALYZED BY** : MISS SUWANN SONGTHONG + 915-4-0000

**RECEIVED DATE** : FEBRUARY 10, 2025  
**ANALYTICAL DATA** : FEBRUARY 10-14, 2025  
**ISSUE DATE** : FEBRUARY 24, 2025  
**REPORT NO.** : 2025-021311  
**WORK NO.** : 2024-011008  
**ANALYSIS NO.** : T250203-0008

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
TOTAL SULPHUR (S) PARTICULATE	mg/m <sup>3</sup>	GRAVIMETRIC, GRAVIMETRIC METHOD (S) (S) (S)	COAL ROLL #9 T250203-0008 ACTUAL OXYGEN S-18
SAMPLE CONDITION			COMPLETE

**REPORT RESULT** : REFERENCE CONDITION IS 25.000000 OXYGEN AT 1.0000000000 AND 0.0000000000  
ANALYSIS IS 25.000000 OXYGEN (ACTUAL OXYGEN)  
TOTAL SULPHUR PARTICULATE S-18 (mg/m<sup>3</sup>)

United Analyst and Engineering Consultant Co., Ltd.  
17th Floor of, Suburban Road, Pattaya 1, Pattaya, Chonburi, Thailand  
Tel: 033-888 8888 Fax: 033-888 8888 Email: info@laurae.com

(THIS IS ANALYST SIGNATURE)  
LABORATORY SUPERVISOR  
+ 915-4-0000

\* THIS ANALYSIS REPORT APPROVES ONLY FOR THE SAMPLE AS ANALYSIS  
\* THIS ANALYSIS REPORT APPROVES ONLY FOR THE SAMPLE AS ANALYSIS



- End of Analysis Report -



United Analyst and Engineering Consultant Co., Ltd.  
17th Floor of, Suburban Road, Pattaya 1, Pattaya, Chonburi, Thailand  
Tel: 033-888 8888 Fax: 033-888 8888 Email: info@laurae.com

### ANALYSIS REPORT

**CUSTOMER NAME** : THE POLICE PUBLIC COMPANY LIMITED  
**ADDRESS** : 200 MOO 5 PATTANAPOL ROAD, PATTANAPOL TOWN, SAENSAENG SUBDISTRICT, SAMUTRAKARNI  
**CONTACT INFORMATION** : TEL: 08-4288 8888 Email: info@laurae.com  
**SAMPLE SOURCE** : THE POLICE PUBLIC COMPANY LIMITED  
**SAMPLE TYPE** : STATION  
**SAMPLING DATE** : FEBRUARY 8, 2025  
**SAMPLING TIME** : 10:00-11:00 HOUR  
**SAMPLING BY** : MR. NICHANON PONGSILAPATTANA + 915-4-0000  
**ANALYZED BY** : MISS SUWANN SONGTHONG + 915-4-0000

**RECEIVED DATE** : FEBRUARY 10, 2025  
**ANALYTICAL DATA** : FEBRUARY 10-14, 2025  
**ISSUE DATE** : FEBRUARY 24, 2025  
**REPORT NO.** : 2025-021311  
**WORK NO.** : 2024-011008  
**ANALYSIS NO.** : T250203-0008

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
TOTAL SULPHUR (S) PARTICULATE	mg/m <sup>3</sup>	GRAVIMETRIC, GRAVIMETRIC METHOD (S) (S) (S)	COAL ROLL #9 T250203-0008 ACTUAL OXYGEN S-18
SAMPLE CONDITION			COMPLETE

**REPORT RESULT** : REFERENCE CONDITION IS 25.000000 OXYGEN AT 1.0000000000 AND 0.0000000000  
ANALYSIS IS 25.000000 OXYGEN (ACTUAL OXYGEN)  
TOTAL SULPHUR PARTICULATE S-18 (mg/m<sup>3</sup>)

United Analyst and Engineering Consultant Co., Ltd.  
17th Floor of, Suburban Road, Pattaya 1, Pattaya, Chonburi, Thailand  
Tel: 033-888 8888 Fax: 033-888 8888 Email: info@laurae.com

(THIS IS ANALYST SIGNATURE)  
LABORATORY SUPERVISOR  
+ 915-4-0000

\* THIS ANALYSIS REPORT APPROVES ONLY FOR THE SAMPLE AS ANALYSIS  
\* THIS ANALYSIS REPORT APPROVES ONLY FOR THE SAMPLE AS ANALYSIS



- End of Analysis Report -

## ANALYSIS REPORT

CUSTOMER NAME	FIS POLICE PUBLIC COMPANY LIMITED	RECEIVED DATE	
ADDRESS	291 HOO T HUTTAHAP ROAD HUTTAHAP THAKHUNG KHAMMOTI SAMKASEE (4230)	ANALYTICAL DATE	
CONTACT INFORMATION	FIS (01-424 1111) e-mail : Chief@police.go.th	ISSUE DATE	
SAMPLING SOURCE	FIS POLICE PUBLIC COMPANY LIMITED	REPORT NO.	
SAMPLE TYPE	COND	WORK NO.	
SAMPLING DATE	PERMITSUM S. BOO	ANALYST	
SAMPLING TIME	11:10-12:10 PM	ISSUE	
SAMPLING BY	PHI KONGKASSA HUTTAHAPUTTAHAP FIS e-mail		
ANALYSIS BY	PHI KONGKASSA HUTTAHAPUTTAHAP FIS e-mail		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
CLIMBER COOLER #2 750A(76) - DOME			
ACTUAL OXYGEN			2.22

Notes: SAMPLED PARTIAL PRESSURE = 19.8 mmHg; RELATIVE HUMIDITY = 44.4%  
(Method B)

SAMPLE COLLECTION: 10:00 A.M.

SEEKING COMETION IN 20 UNDER COLLEGIATE + ATHLETICS AND THE SOCIAL SCIENCE CENTER (University of Illinois at Chicago)





United Analyst and Engineering Consultant Co., Ltd.

134 Sukhumvit 45, Sukhumvit Road, Bangkok, Thailand 10110  
Tel: 02-261 0000 Fax: 02-261 0001 Email: info@unitedanalyst.com

### ANALYSIS REPORT

**CUSTOMER NAME** : THE POLICE PUBLIC COMPANY LIMITED  
**ADDRESS** : 241/400 3 PATTANAPORN ROAD PATTANAPORN TOWN, CHANGKAT DISTRICT, BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 02-261 0000 FAX : 02-261 0001 Email : info@unitedanalyst.com  
**SAMPLING SOURCE** : THE POLICE PUBLIC COMPANY LIMITED  
**SAMPLE TYPE** : STALK  
**RECEIVED DATE** : APRIL 26, 2023  
**ANALYTICAL DATE** : APRIL 26-MAY 1, 2023  
**SAMPLING DATE** : MAY 24, 2023  
**SAMPLING TIME** : 12.30 PM HEST  
**SAMPLING BY** : PHANJIRASAKI NAKSIN (PHN-00000)  
**ANALYSIS BY** : MISS SUKANA KONGCHERSE (PHN-00000)  
**ANALYSIS NO.** : T230223-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
TOXIC SUBSTANCE PARTICULATE	mg/m <sup>3</sup>	GRAVIMETRIC (GRAVIMETRIC METHOD) (ASTM D 5518)	TOXIC WITH AT STACK T230223-0004 ACTUAL OUTSIDE 0.01
SAMPLE CONCENTRATION			COMPLETES

**REFERENCE** : STANDARD CONCENTRATION (STANDARD) AT 1 ATMOSPHERE AND DRY BASIS  
**REMARK** :  
- CONCENTRATION IN (STANDARD) (STANDARD)  
- TOTAL SUSPENDED PARTICULATE (TSP) (mg/m<sup>3</sup>)

Analyst ✓

UNITED ANALYST AND ENGINEERING CONSULTANT CO., LTD.  
(LABORATORY SUPERVISOR)  
1-145-A-0011

- FORBIDDEN TO PARTIALLY COPY ANALYSIS REPORT PRIOR TO WRITTEN PERMISSION BY THE LABORATORY
- THIS ANALYSIS REPORT APPLICABLE ONLY FOR THE SAMPLES AS RECEIVED



- End of Analysis Report -



United Analyst and Engineering Consultant Co., Ltd.

134 Sukhumvit 45, Sukhumvit Road, Bangkok, Thailand 10110  
Tel: 02-261 0000 Fax: 02-261 0001 Email: info@unitedanalyst.com

### ANALYSIS REPORT

**CUSTOMER NAME** : THE POLICE PUBLIC COMPANY LIMITED  
**ADDRESS** : 241/400 3 PATTANAPORN ROAD PATTANAPORN TOWN, CHANGKAT DISTRICT, BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 02-261 0000 FAX : 02-261 0001 Email : info@unitedanalyst.com  
**SAMPLING SOURCE** : THE POLICE PUBLIC COMPANY LIMITED  
**SAMPLE TYPE** : STALK  
**RECEIVED DATE** : APRIL 26, 2023  
**ANALYTICAL DATE** : APRIL 26-MAY 1, 2023  
**SAMPLING DATE** : MAY 24, 2023  
**SAMPLING TIME** : 12.30 PM HEST  
**SAMPLING BY** : PHANJIRASAKI NAKSIN (PHN-00000)  
**ANALYSIS BY** : MISS SUKANA KONGCHERSE (PHN-00000)  
**ANALYSIS NO.** : T230223-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
TOXIC SUBSTANCE PARTICULATE	mg/m <sup>3</sup>	GRAVIMETRIC (GRAVIMETRIC METHOD) (ASTM D 5518)	TOXIC WITH AT STACK T230223-0005 ACTUAL OUTSIDE 0.01
SAMPLE CONCENTRATION			COMPLETES

**REFERENCE** : STANDARD CONCENTRATION (STANDARD) AT 1 ATMOSPHERE AND DRY BASIS  
**REMARK** :  
- CONCENTRATION IN (STANDARD) (STANDARD)  
- TOTAL SUSPENDED PARTICULATE (TSP) (mg/m<sup>3</sup>)

Analyst ✓

UNITED ANALYST AND ENGINEERING CONSULTANT CO., LTD.  
(LABORATORY SUPERVISOR)  
1-145-A-0011

- FORBIDDEN TO PARTIALLY COPY ANALYSIS REPORT PRIOR TO WRITTEN PERMISSION BY THE LABORATORY
- THIS ANALYSIS REPORT APPLICABLE ONLY FOR THE SAMPLES AS RECEIVED



- End of Analysis Report -











# United Analyst and Engineering Consultant Co., Ltd.

37/100 Moo 3, Subhankarn Road, Bangkapi, Bangkok, Thailand 10260  
Tel: 02-011-2011 Fax: 02-011-2012 Email: info@unitedanalyst.com

## ANALYSIS REPORT

**CUSTOMER NAME** : THE PUBLIC COMPANY LIMITED  
**ADDRESS** : 101/100 Moo 3, Subhankarn Road, Bangkapi, Bangkok, Thailand 10260  
**CONTACT INFORMATION** : TEL: 02-011-2011 Fax: 02-011-2012 Email: info@unitedanalyst.com  
**SAMPLING SOURCE** : THE PUBLIC COMPANY LIMITED  
**SAMPLE TYPE** : GRAIN  
**SAMPLING DATE** : APRIL 22, 2024  
**SAMPLING TIME** : 10:30 (10:30) HOUR  
**SAMPLING BY** : MR. ANTHONY BROWN (101-102)  
**ANALYZED BY** : MISS. SARAH K. BROWN (101-102)

**RECEIVED DATE** : APRIL 23, 2024  
**ANALYTICAL DATE** : APRIL 23-MAY 1, 2024  
**ISSUE DATE** : MAY 14, 2024  
**REPORT NO.** : UAC-2024-001  
**WORK NO.** : 101-102  
**ANALYSIS NO.** : 101-102

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
TOTAL SULFUR	PERCENT	GRAVIMETRIC METHOD (ASTM D 4294)	0.15
SAMPLE CONDITION			COMPLETE

**REMARKS** :  
**RESULT** :  
- THE SAMPLE IS IN GOOD CONDITION AND IS REPRESENTATIVE OF THE BATCH.  
- THE ANALYSIS WAS PERFORMED IN ACCORDANCE WITH THE STANDARD METHOD.

Signature ✓

(THIS SIGNATURE IS REQUIRED FOR THE ANALYSIS REPORT)  
LABORATORY SUPERVISOR

- FURNISHES TO PARTIALLY COPY ANALYSIS REPORT PRIOR TO WRITTEN PERMISSION BY THE LABORATORY.
- THIS ANALYSIS REPORT APPLIES ONLY TO THE SAMPLES AS RECEIVED.



End of Analysis Report



# United Analyst and Engineering Consultant Co., Ltd.

37/100 Moo 3, Subhankarn Road, Bangkapi, Bangkok, Thailand 10260  
Tel: 02-011-2011 Fax: 02-011-2012 Email: info@unitedanalyst.com

## ANALYSIS REPORT

**CUSTOMER NAME** : THE PUBLIC COMPANY LIMITED  
**ADDRESS** : 101/100 Moo 3, Subhankarn Road, Bangkapi, Bangkok, Thailand 10260  
**CONTACT INFORMATION** : TEL: 02-011-2011 Fax: 02-011-2012 Email: info@unitedanalyst.com  
**SAMPLING SOURCE** : THE PUBLIC COMPANY LIMITED  
**SAMPLE TYPE** : GRAIN  
**SAMPLING DATE** : APRIL 23, 2024  
**SAMPLING TIME** : 10:30 (10:30) HOUR  
**SAMPLING BY** : MR. ANTHONY BROWN (101-102)  
**ANALYZED BY** : MISS. SARAH K. BROWN (101-102)

**RECEIVED DATE** : APRIL 24, 2024  
**ANALYTICAL DATE** : APRIL 24-MAY 7, 2024  
**ISSUE DATE** : MAY 14, 2024  
**REPORT NO.** : UAC-2024-002  
**WORK NO.** : 101-103  
**ANALYSIS NO.** : 101-103

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
TOTAL SULFUR	PERCENT	GRAVIMETRIC METHOD (ASTM D 4294)	0.15
SAMPLE CONDITION			COMPLETE

**REMARKS** :  
**RESULT** :  
- THE SAMPLE IS IN GOOD CONDITION AND IS REPRESENTATIVE OF THE BATCH.  
- THE ANALYSIS WAS PERFORMED IN ACCORDANCE WITH THE STANDARD METHOD.

Signature ✓

(THIS SIGNATURE IS REQUIRED FOR THE ANALYSIS REPORT)  
LABORATORY SUPERVISOR

- FURNISHES TO PARTIALLY COPY ANALYSIS REPORT PRIOR TO WRITTEN PERMISSION BY THE LABORATORY.
- THIS ANALYSIS REPORT APPLIES ONLY TO THE SAMPLES AS RECEIVED.



End of Analysis Report





ANALYSIS CALCULATION

REPORT NO.	: UJA 045-1/2025
CALCULATED DATE	: 20250502.STK.038
CLIENT NAME	: UNITED ANALYST AND ENGINEERING CONSULTANT CO., LTD.
ADDRESS	: 3 SOI UDOMSUK 41, SUKHUMVIT ROAD, BANGCHAK, PHRAKHANONG, BANGKOK 10260
SAMPLE ID	: 20250502.STK.038
TYPE OF SAMPLE	: ตัวอย่างจาก ปล่องระบบบำบัดเสีย (STACK)
DESCRIPTION OF SAMPLE	: FILTER (NORMAL), XAD-2 RESIN (NORMAL), RINSE SOLUTION (NORMAL, TRANSPARENT)
RECEIVED DATE	: MAY 2, 2025
ANALYSIS PERIOD	: 2 - 23/05/2025
METHOD OF ANALYSIS	: UJA.T.01 BASED ON US EPA, CODE OF FEDERAL REGULATION, 40 CFR PT. 60 APP. A-7 METHOD 23, JULY 2018 AND JS K 0311, JUNE 2005
CALCULATED BY	: THEERANAN DUANGDEETIP

SAMPLING BY	: MR. KANNIKORN RASO (UNITED ANALYST AND ENGINEERING CONSULTANT CO., LTD.)
METHOD OF SAMPLING	: U.S. EPA METHOD 23 (BY CUSTOMER)
SAMPLING LOCATION	: TPI POLENE (PUBLIC) CO., LTD.
SAMPLING DATE	: APRIL 26, 2025
REF. SAMPLE NAME	: ปล่องMAIN STACK 1 (A1218-1)
Standard Meter Volume (V <sub>m</sub> ) <sub>std</sub>	1.8840 m <sup>3</sup>
OXYGEN DURING SAMPLING	8.42 %

ANALYTE	REPORT LOD (ng/m <sup>3</sup> )	AMOUNT (ng/m <sup>3</sup> )	7% OXYGEN (ng/m <sup>3</sup> )	TEF <sup>1/2</sup>	TEQ <sup>2/</sup> (ng-TEQ/m <sup>3</sup> )	7% OXYGEN (ng-TEQ/m <sup>3</sup> )
2,3,7,8-TeCDD	0.00265	< 0.00265	< 0.00295	1	< 0.00265	< 0.00295
1,2,3,7,8-PeCDD	0.00133	< 0.00133	< 0.00148	0.5	< 0.000665	< 0.000740
1,2,3,4,7,8-HxCDD	0.00133	< 0.00133	< 0.00148	0.1	< 0.000133	< 0.000148
1,2,3,6,7,8-HxCDD	0.00133	< 0.00133	< 0.00148	0.1	< 0.000133	< 0.000148
1,2,3,7,8,9-HxCDD	0.00133	< 0.00133	< 0.00148	0.1	< 0.000133	< 0.000148
1,2,3,4,6,7,8-HpCDD	0.00133	< 0.00133	< 0.00148	0.01	< 0.0000133	< 0.0000148
OCDD	0.00265	0.00355	0.00395	0.001	0.00000355	0.00000395
2,3,7,8-TeCDF	0.00265	< 0.00265	< 0.00295	0.1	< 0.000265	< 0.000295
1,2,3,7,8-PeCDF	0.00133	< 0.00133	< 0.00148	0.05	< 0.0000665	< 0.0000740
2,3,4,7,8-PeCDF	0.00133	< 0.00133	< 0.00148	0.5	< 0.000665	< 0.000740
1,2,3,4,7,8-HxCDF	0.00133	< 0.00133	< 0.00148	0.1	< 0.000133	< 0.000148
1,2,3,6,7,8-HxCDF	0.00133	< 0.00133	< 0.00148	0.1	< 0.000133	< 0.000148
2,3,4,6,7,8-HxCDF	0.00133	< 0.00133	< 0.00148	0.1	< 0.000133	< 0.000148
1,2,3,7,8,9-HxCDF	0.00133	< 0.00133	< 0.00148	0.1	< 0.000133	< 0.000148
1,2,3,4,6,7,8-HpCDF	0.00133	< 0.00133	< 0.00148	0.01	< 0.0000133	< 0.0000148
OCDF	0.00265	< 0.00265	< 0.00295	0.001	< 0.0000265	< 0.0000295
Total					0.00000355	0.00000395

<sup>1/</sup> TEF (TOXIC EQUIVALENCY FACTOR), USE IS ACCORDING TO NATO/CCMS (1988), AS AN INTERNATIONAL TOXIC EQUIVALENCY FACTORS (H-TEFS).  
<sup>2/</sup> TEQ (TOXIC EQUIVALENCY) FOR EACH COMPONENT OBTAINED BY MULTIPLYING THE CONCENTRATION WITH ITS CORRESPONDING TEF.  
<sup>3/</sup> THE TOTAL PCDDs AND PCDFs ARE CALCULATED EXCLUDING ANY PCDDs OR PCDFs THAT ARE REPORTED BELOW THE LIMIT OF DETECTION (LOD).  
DETECTION LIMIT OF TOTAL PCDDs AND PCDFs CALCULATED BY COMBINE ALL DETECTION LIMIT OF TOXIC PCDDs AND PCDFs.

◆ PROHIBITED TO PARTIALLY COPY REPORT PRIOR TO WRITTEN PERMISSION BY LABORATORY.  
◆ THIS REPORT APPROVES FOR SUBMITTED SAMPLE ONLY.



ANALYSIS REPORT

REPORT NO.	: UJA 045/2025
REPORT DATE	: MAY 23, 2025
CUSTOMER NAME	: UNITED ANALYST AND ENGINEERING CONSULTANT CO., LTD.
ADDRESS	: 3 SOI UDOMSUK 41, SUKHUMVIT ROAD, BANGCHAK, PHRAKHANONG, BANGKOK 10260
CONTACT	: TEL: 02-763-2828 EXT.7098 EMAIL: JETJARINT@UJAECONSULTANT.CO.TH
SAMPLE ID	: 20250502.STK.038
TYPE OF SAMPLE	: ตัวอย่างจาก ปล่องระบบบำบัดเสีย (STACK)
DESCRIPTION OF SAMPLE	: FILTER (NORMAL), XAD-2 RESIN (NORMAL), RINSE SOLUTION (NORMAL, TRANSPARENT)
RECEIVED DATE	: MAY 2, 2025
ANALYSIS PERIOD	: 2 - 23/05/2025
ANALYSIS METHOD	: UJA.T.01 BASED ON US EPA, CODE OF FEDERAL REGULATION, 40 CFR PT. 60 APP. A-7 METHOD 23, JULY 2018 AND JS K 0311, JUNE 2005
ANALYZED BY	: MS. TANOMLUCK NATEHAN (1-252-9-0002)

SAMPLING BY	: MR. KANNIKORN RASO (UNITED ANALYST AND ENGINEERING CONSULTANT CO., LTD.)
SAMPLING DATE	: APRIL 26, 2025
SAMPLING LOCATION	: TPI POLENE (PUBLIC) CO., LTD.
REF. SAMPLE NAME	: ปล่องMAIN STACK 1 (A1218-1)

ANALYTE	REPORT LOD (ng/sample)	AMOUNT (ng/sample)	TEF <sup>1/2</sup>	TEQ <sup>2/</sup>
2,3,7,8-TeCDD	0.000500	< 0.000500	1	< 0.000500
1,2,3,7,8-PeCDD	0.00250	< 0.00250	0.5	< 0.00125
1,2,3,4,7,8-HxCDD	0.00250	< 0.00250	0.1	< 0.000250
1,2,3,6,7,8-HxCDD	0.00250	< 0.00250	0.1	< 0.000250
1,2,3,7,8,9-HxCDD	0.00250	< 0.00250	0.1	< 0.000250
1,2,3,4,6,7,8-HpCDD	0.00250	< 0.00250	0.01	< 0.0000250
OCDD	0.00500	0.00668	0.001	0.00000668
2,3,7,8-TeCDF	0.000500	< 0.000500	0.1	< 0.0000500
1,2,3,7,8-PeCDF	0.00250	< 0.00250	0.05	< 0.000125
2,3,4,7,8-PeCDF	0.00250	< 0.00250	0.5	< 0.00125
1,2,3,4,7,8-HxCDF	0.00250	< 0.00250	0.1	< 0.000250
1,2,3,6,7,8-HxCDF	0.00250	< 0.00250	0.1	< 0.000250
2,3,4,6,7,8-HxCDF	0.00250	< 0.00250	0.1	< 0.000250
1,2,3,7,8,9-HxCDF	0.00250	< 0.00250	0.1	< 0.000250
1,2,3,4,6,7,8-HpCDF	0.00250	< 0.00250	0.01	< 0.0000250
OCDF	0.00500	< 0.00500	0.01	< 0.0000250
Total PCDDs and PCDFs <sup>3/</sup>		0.00668	-	0.00000668

<sup>1/</sup> TEF (TOXIC EQUIVALENCY FACTOR), USE IS ACCORDING TO NATO/CCMS (1988), AS AN INTERNATIONAL TOXIC EQUIVALENCY FACTORS (H-TEFS).  
<sup>2/</sup> TEQ (TOXIC EQUIVALENCY) FOR EACH COMPONENT OBTAINED BY MULTIPLYING THE CONCENTRATION WITH ITS CORRESPONDING TEF.  
<sup>3/</sup> THE TOTAL PCDDs AND PCDFs ARE CALCULATED EXCLUDING ANY PCDDs OR PCDFs THAT ARE REPORTED BELOW THE LIMIT OF DETECTION (LOD).  
DETECTION LIMIT OF TOTAL PCDDs AND PCDFs CALCULATED BY COMBINE ALL DETECTION LIMIT OF TOXIC PCDDs AND PCDFs.  
THE SAMPLING PROCEDURES AND APPROVAL ARE NOT INCLUDED

MS. THEERANAN DUANGDEETIP (1-252-9-0003)  
DIOXIN LABORATORY CHIEF

◆ PROHIBITED TO PARTIALLY COPY ANALYSIS REPORT PRIOR TO WRITTEN PERMISSION BY LABORATORY.  
◆ THIS ANALYSIS REPORT APPROVES FOR SUBMITTED SAMPLE ONLY.



ANALYSIS CALCULATION

REPORT NO.	: UIA 046-1/2025
CALCULATED DATE	: 20250502.STK.039
CLIENT NAME	: UNITED ANALYST AND ENGINEERING CONSULTANT CO., LTD.
ADDRESS	: 3 SOI UDOMSUK 41, SUKHUMVIT ROAD, BANGCHAK, PHRAKHANONG, BANGKOK 10260
SAMPLE ID	: 20250502.STK.039
TYPE OF SAMPLE	: ตัวอย่างจาก ปล่องระบบบำบัดเสีย (STACK)
DESCRIPTION OF SAMPLE	: FILTER (NORMAL), XAD-2 RESIN (NORMAL), RINSE SOLUTION (NORMAL, TRANSPARENT)
RECEIVED DATE	: MAY 2, 2025
ANALYSIS PERIOD	: 2 - 23/05/2025
METHOD OF ANALYSIS	: UIA.T.01 BASED ON US EPA, CODE OF FEDERAL REGULATION, 40 CFR PT. 60 APP. A-7 METHOD 23, JULY 2018 AND JS K 0311, JUNE 2005
CALCULATED BY	: THEERANAN DUANGDEETIP

SAMPLING BY	: MR. KANNIKORN RASO (UNITED ANALYST AND ENGINEERING CONSULTANT CO., LTD.)
METHOD OF SAMPLING	: U.S. EPA METHOD 23 (BY CUSTOMER)
SAMPLING LOCATION	: TPI POLENE (PUBLIC) CO., LTD.
SAMPLING DATE	: APRIL 27, 2025
REF. SAMPLE NAME	: ปล่องMAIN STACK 2 (A1219-1)
Standard Meter Volume (V <sub>m</sub> ) <sub>sd</sub>	1.9265 m <sup>3</sup>
OXYGEN DURING SAMPLING	9.2 %

ANALYTE	REPORT LOD (ng/m <sup>3</sup> )	AMOUNT (ng/m <sup>3</sup> )	7% OXYGEN (ng/m <sup>3</sup> )	TEF <sup>1/2</sup>	TEQ <sup>2/</sup> (ng-TEQ/m <sup>3</sup> )	7% OXYGEN (ng-TEQ/m <sup>3</sup> )
2,3,7,8-TeCDD	0.00260	< 0.00260	< 0.000308	1	< 0.000260	< 0.000308
1,2,3,7,8-PeCDD	0.00130	< 0.00130	< 0.00154	0.5	< 0.000650	< 0.000771
1,2,3,4,7,8-HxCDD	0.00130	< 0.00130	< 0.00154	0.1	< 0.000130	< 0.000154
1,2,3,6,7,8-HxCDD	0.00130	< 0.00130	< 0.00154	0.1	< 0.000130	< 0.000154
1,2,3,7,8,9-HxCDD	0.00130	< 0.00130	< 0.00154	0.1	< 0.000130	< 0.000154
1,2,3,4,6,7,8-HpCDD	0.00130	< 0.00130	< 0.00154	0.01	< 0.0000130	< 0.0000154
OCDD	0.00260	< 0.00260	< 0.00308	0.001	< 0.00000260	< 0.00000308
2,3,7,8-TeCDF	0.00260	< 0.00260	< 0.000308	0.1	< 0.0000260	< 0.0000308
1,2,3,7,8-PeCDF	0.00130	< 0.00130	< 0.00154	0.05	< 0.0000650	< 0.0000771
2,3,4,7,8-PeCDF	0.00130	< 0.00130	< 0.00154	0.5	< 0.000650	< 0.000771
1,2,3,4,7,8-HxCDF	0.00130	< 0.00130	< 0.00154	0.1	< 0.000130	< 0.000154
1,2,3,6,7,8-HxCDF	0.00130	< 0.00130	< 0.00154	0.1	< 0.000130	< 0.000154
2,3,4,6,7,8-HxCDF	0.00130	< 0.00130	< 0.00154	0.1	< 0.000130	< 0.000154
1,2,3,7,8,9-HxCDF	0.00130	< 0.00130	< 0.00154	0.1	< 0.000130	< 0.000154
1,2,3,4,6,7,8-HpCDF	0.00130	< 0.00130	< 0.00154	0.01	< 0.0000130	< 0.0000154
OCDF	0.00260	< 0.00260	< 0.00308	0.001	< 0.00000260	< 0.00000308
Total <sup>3/</sup>						< 0.00261
						< 0.00309

<sup>1/</sup> TEF (TOXIC EQUIVALENCY FACTOR), USE IS ACCORDING TO NATO/CCMS (1988), AS AN INTERNATIONAL TOXIC EQUIVALENCY FACTORS (H-TEFS).  
<sup>2/</sup> TEQ (TOXIC EQUIVALENCY) FOR EACH COMPONENT OBTAINED BY MULTIPLYING THE CONCENTRATION WITH ITS CORRESPONDING TEF.  
<sup>3/</sup> THE TOTAL PCDDs AND PCDFs ARE CALCULATED EXCLUDING ANY PCDDs OR PCDFs THAT ARE REPORTED BELOW THE LIMIT OF DETECTION (LOD).  
DETECTION LIMIT OF TOTAL PCDDs AND PCDFs CALCULATED BY COMBINE ALL DETECTION LIMIT OF TOXIC PCDDs AND PCDFs.

◆ PROHIBITED TO PARTIALLY COPY REPORT PRIOR TO WRITTEN PERMISSION BY LABORATORY.  
◆ THIS REPORT APPROVES FOR SUBMITTED SAMPLE ONLY.



ANALYSIS REPORT

REPORT NO.	: UIA 046/2025
REPORT DATE	: MAY 23, 2025
CUSTOMER NAME	: UNITED ANALYST AND ENGINEERING CONSULTANT CO., LTD.
ADDRESS	: 3 SOI UDOMSUK 41, SUKHUMVIT ROAD, BANGCHAK, PHRAKHANONG, BANGKOK 10260
CONTACT	: TEL: 02-763-2828 EXT.7098 EMAIL: JETJARINT@JAECONSULTANT.CO.TH
SAMPLE ID	: 20250502.STK.039
TYPE OF SAMPLE	: ตัวอย่างจาก ปล่องระบบบำบัดเสีย (STACK)
DESCRIPTION OF SAMPLE	: FILTER (NORMAL), XAD-2 RESIN (NORMAL), RINSE SOLUTION (NORMAL, TRANSPARENT)
RECEIVED DATE	: MAY 2, 2025
ANALYSIS PERIOD	: 2 - 23/05/2025
ANALYSIS METHOD	: UIA.T.01 BASED ON US EPA, CODE OF FEDERAL REGULATION, 40 CFR PT. 60 APP. A-7 METHOD 23, JULY 2018 AND JS K 0311, JUNE 2005
ANALYZED BY	: MS. TANOMLUCK NATEHAN (1-252-9-0002)

SAMPLING BY	: MR. KANNIKORN RASO (UNITED ANALYST AND ENGINEERING CONSULTANT CO., LTD.)
SAMPLING DATE	: APRIL 27, 2025
SAMPLING LOCATION	: TPI POLENE (PUBLIC) CO., LTD.
REF. SAMPLE NAME	: ปล่องMAIN STACK 2 (A1219-1)

ANALYTE	REPORT LOD (ng/sample)	AMOUNT (ng/sample)	TEF <sup>1/2</sup>	TEQ <sup>2/</sup>
2,3,7,8-TeCDD	0.000500	< 0.000500	1	< 0.000500
1,2,3,7,8-PeCDD	0.00250	< 0.00250	0.5	< 0.00125
1,2,3,4,7,8-HxCDD	0.00250	< 0.00250	0.1	< 0.000250
1,2,3,6,7,8-HxCDD	0.00250	< 0.00250	0.1	< 0.000250
1,2,3,7,8,9-HxCDD	0.00250	< 0.00250	0.1	< 0.000250
1,2,3,4,6,7,8-HpCDD	0.00250	< 0.00250	0.01	< 0.0000250
OCDD	0.00500	< 0.00500	0.001	< 0.00000500
2,3,7,8-TeCDF	0.000500	< 0.000500	0.1	< 0.0000500
1,2,3,7,8-PeCDF	0.00250	< 0.00250	0.05	< 0.000125
2,3,4,7,8-PeCDF	0.00250	< 0.00250	0.5	< 0.00125
1,2,3,4,7,8-HxCDF	0.00250	< 0.00250	0.1	< 0.000250
1,2,3,6,7,8-HxCDF	0.00250	< 0.00250	0.1	< 0.000250
2,3,4,6,7,8-HxCDF	0.00250	< 0.00250	0.1	< 0.000250
1,2,3,7,8,9-HxCDF	0.00250	< 0.00250	0.1	< 0.000250
1,2,3,4,6,7,8-HpCDF	0.00250	< 0.00250	0.01	< 0.0000250
OCDF	0.00250	< 0.00250	0.01	< 0.0000250
1,2,3,4,7,8,9-HpCDF	0.00500	< 0.00500	0.001	< 0.00000500
Total PCDDs and PCDFs <sup>3/</sup>				< 0.0435
				< 0.00501

<sup>1/</sup> TEF (TOXIC EQUIVALENCY FACTOR), USE IS ACCORDING TO NATO/CCMS (1988), AS AN INTERNATIONAL TOXIC EQUIVALENCY FACTORS (H-TEFS).  
<sup>2/</sup> TEQ (TOXIC EQUIVALENCY) FOR EACH COMPONENT OBTAINED BY MULTIPLYING THE CONCENTRATION WITH ITS CORRESPONDING TEF.  
<sup>3/</sup> THE TOTAL PCDDs AND PCDFs ARE CALCULATED EXCLUDING ANY PCDDs OR PCDFs THAT ARE REPORTED BELOW THE LIMIT OF DETECTION (LOD).  
DETECTION LIMIT OF TOTAL PCDDs AND PCDFs CALCULATED BY COMBINE ALL DETECTION LIMIT OF TOXIC PCDDs AND PCDFs.  
THE SAMPLING PROCEDURES AND APPROVAL ARE NOT INCLUDED

MS. THEERANAN DUANGDEETIP (1-252-9-0003)  
DIOXIN LABORATORY CHIEF

◆ PROHIBITED TO PARTIALLY COPY ANALYSIS REPORT PRIOR TO WRITTEN PERMISSION BY LABORATORY.  
◆ THIS ANALYSIS REPORT APPROVES FOR SUBMITTED SAMPLE ONLY.



ANALYSIS CALCULATION

REPORT NO.	: UJA 009-1/2025
CALCULATED DATE	: 20250211,STK.002
CLIENT NAME	: UNITED ANALYST AND ENGINEERING CONSULTANT CO., LTD.
ADDRESS	: 3 SOI UDOMSUK 41, SUKHUMVIT ROAD, BANGCHAK, PHRAKHANONG, BANGKOK 10260
SAMPLE ID	: 20250211,STK.002
TYPE OF SAMPLE	: ตัวอย่างจาก ปล่องระบบบำบัดน้ำเสีย (STACK)
DESCRIPTION OF SAMPLE	: FILTER (NORMAL), XAD-2 RESIN (NORMAL), RINSE SOLUTION (NORMAL, TRANSPARENT)
RECEIVED DATE	: FEBRUARY 11, 2025
ANALYSIS PERIOD	: 11 - 28/02/2025
METHOD OF ANALYSIS	: UJA.T.01 BASED ON US EPA, CODE OF FEDERAL REGULATION, 40 CFR PT. 60 APP. A-7 METHOD 23, JULY 2018 AND JS K 0311, JUNE 2005
CALCULATED BY	: THEERANAN DUANGDEETIP

SAMPLING BY	: MR APIWICH TOUNGTEE (UNITED ANALYST AND ENGINEERING CONSULTANT CO., LTD.)
METHOD OF SAMPLING	: U.S. EPA METHOD 23 (BY CUSTOMER)
SAMPLING LOCATION	: TPI POLENE (PUBLIC) CO., LTD.
SAMPLING DATE	: FEBRUARY 8, 2025
REF. SAMPLE NAME	: MAIN STACK 3 (ACT20-1)
Standard Meter Volume (V <sub>m</sub> ) <sub>std</sub>	1.9368 m <sup>3</sup>
OXYGEN DURING SAMPLING	7.36 %

ANALYTE	REPORT LOD (ng/m <sup>3</sup> )	AMOUNT (ng/m <sup>3</sup> )	7% OXYGEN (ng/m <sup>3</sup> )	TEF <sup>1/2</sup>	TEQ <sup>2/</sup> (ng-TEQ/m <sup>3</sup> )	7% OXYGEN (ng-TEQ/m <sup>3</sup> )
2,3,7,8-TeCDD	0.000258	< 0.000258	< 0.000265	1	< 0.000258	< 0.000265
1,2,3,7,8-PeCDD	0.00129	< 0.00129	< 0.00132	0.5	< 0.000645	< 0.000662
1,2,3,4,7,8-HxCDD	0.00129	0.0111	0.0114	0.1	0.00111	0.00114
1,2,3,6,7,8-HxCDD	0.00129	0.00932	0.00957	0.1	0.000932	0.000957
1,2,3,7,8,9-HxCDD	0.00129	0.00969	0.00995	0.1	0.000969	0.000995
1,2,3,4,6,7,8-HpCDD	0.00129	0.0117	0.0120	0.01	0.000117	0.000120
OCDD	0.000258	0.0209	0.0214	0.001	0.0000209	0.0000215
2,3,7,8-TeCDF	0.000258	< 0.000258	< 0.000265	0.1	< 0.000258	< 0.000265
1,2,3,7,8-PeCDF	0.00129	0.0124	0.0128	0.05	0.000620	0.000636
2,3,4,7,8-PeCDF	0.00129	< 0.00129	< 0.00132	0.5	< 0.000645	< 0.000662
1,2,3,4,7,8-HxCDF	0.00129	0.0133	0.0136	0.1	0.00133	0.00137
1,2,3,6,7,8-HxCDF	0.00129	0.0156	0.0160	0.1	0.00156	0.00160
2,3,4,6,7,8-HxCDF	0.00129	0.0228	0.0234	0.1	0.00228	0.00234
1,2,3,7,8,9-HxCDF	0.00129	< 0.00129	< 0.00132	0.1	< 0.000129	< 0.000132
1,2,3,4,6,7,8-HpCDF	0.00129	0.0261	0.0268	0.01	0.000261	0.000268
1,2,3,4,7,8,9-HpCDF	0.00129	0.0123	0.0127	0.01	0.000123	0.000126
OCDF	0.00258	0.0165	0.0169	0.001	0.0000165	0.0000169
Total						0.00934
Total						0.00959

<sup>1/</sup> TEF (TOXIC EQUIVALENCY FACTOR), USE IS ACCORDING TO NATOCCMS (1988), AS AN INTERNATIONAL TOXIC EQUIVALENCY FACTORS (I-TEFs).

<sup>2/</sup> TEQ (TOXIC EQUIVALENCY) FOR EACH COMPONENT OBTAINED BY MULTIPLYING THE CONCENTRATION WITH ITS CORRESPONDING TEF.

<sup>3/</sup> THE TOTAL PCDDs AND PCDFs ARE CALCULATED EXCLUDING ANY PCDDs OR PCDFs THAT ARE REPORTED BELOW THE LIMIT OF DETECTION (LOD). DETECTION LIMIT OF TOTAL PCDDs AND PCDFs CALCULATED BY COMBINE ALL DETECTION LIMIT OF TOXIC PCDDs AND PCDFs.

◆ PROHIBITED TO PARTIALLY COPY REPORT PRIOR TO WRITTEN PERMISSION BY LABORATORY.  
◆ THIS REPORT APPROVES FOR SUBMITTED SAMPLE ONLY.



ANALYSIS REPORT

REPORT NO.	: UJA 009/2025
REPORT DATE	: FEBRUARY 28, 2025
CUSTOMER NAME	: UNITED ANALYST AND ENGINEERING CONSULTANT CO., LTD.
ADDRESS	: 3 SOI UDOMSUK 41, SUKHUMVIT ROAD, BANGCHAK, PHRAKHANONG, BANGKOK 10260
CONTACT	: TEL: 02-763-2828 EXT.7098 EMAIL: JETJARINT@JAECONSULTANT.CO.TH
SAMPLE ID	: 20250211,STK.002
TYPE OF SAMPLE	: ตัวอย่างจาก ปล่องระบบบำบัดน้ำเสีย (STACK)
DESCRIPTION OF SAMPLE	: FILTER (NORMAL), XAD-2 RESIN (NORMAL), RINSE SOLUTION (NORMAL, TRANSPARENT)
RECEIVED DATE	: FEBRUARY 11, 2025
ANALYSIS PERIOD	: 11 - 28/02/2025
ANALYSIS METHOD	: UJA.T.01 BASED ON US EPA, CODE OF FEDERAL REGULATION, 40 CFR PT. 60 APP. A-7 METHOD 23, JULY 2018 AND JS K 0311, JUNE 2005
ANALYZED BY	: MS. TANOMLUCK NATEHAN (1-252-9-0002)

SAMPLING BY	: MR APIWICH TOUNGTEE (UNITED ANALYST AND ENGINEERING CONSULTANT CO., LTD.)
SAMPLING DATE	: FEBRUARY 8, 2025
SAMPLING LOCATION	: TPI POLENE (PUBLIC) CO., LTD.
REF. SAMPLE NAME	: MAIN STACK 3 (ACT20-1)

ANALYTE	REPORT LOD (ng/sample)	AMOUNT (ng/sample)	TEF <sup>1/2</sup>	TEQ <sup>2/</sup>
2,3,7,8-TeCDD	0.000500	< 0.000500	1	< 0.000500
1,2,3,7,8-PeCDD	0.00250	< 0.00250	0.5	< 0.00125
1,2,3,4,7,8-HxCDD	0.00250	0.0215	0.1	0.00215
1,2,3,6,7,8-HxCDD	0.00250	0.0181	0.1	0.00181
1,2,3,7,8,9-HxCDD	0.00250	0.0188	0.1	0.00188
1,2,3,4,6,7,8-HpCDD	0.00250	0.0226	0.01	0.000226
OCDD	0.00500	0.0404	0.001	0.0000404
2,3,7,8-TeCDF	0.000500	< 0.000500	0.1	< 0.0000500
1,2,3,7,8-PeCDF	0.00250	0.0241	0.05	0.00120
2,3,4,7,8-PeCDF	0.00250	< 0.00250	0.5	< 0.00125
1,2,3,4,7,8-HxCDF	0.00250	0.0257	0.1	0.00257
1,2,3,6,7,8-HxCDF	0.00250	0.0302	0.1	0.00302
2,3,4,6,7,8-HxCDF	0.00250	0.0442	0.1	0.00442
1,2,3,7,8,9-HxCDF	0.00250	< 0.00250	0.1	< 0.000250
1,2,3,4,6,7,8-HpCDF	0.00250	0.0506	0.01	0.000506
OCDF	0.00250	0.0239	0.01	0.000239
Total PCDDs and PCDFs <sup>3/</sup>				0.0319
Total				0.352
Total				0.0181

<sup>1/</sup> TEF (TOXIC EQUIVALENCY FACTOR), USE IS ACCORDING TO NATOCCMS (1988), AS AN INTERNATIONAL TOXIC EQUIVALENCY FACTORS (I-TEFs).

<sup>2/</sup> TEQ (TOXIC EQUIVALENCY) FOR EACH COMPONENT OBTAINED BY MULTIPLYING THE CONCENTRATION WITH ITS CORRESPONDING TEF.

<sup>3/</sup> THE TOTAL PCDDs AND PCDFs ARE CALCULATED EXCLUDING ANY PCDDs OR PCDFs THAT ARE REPORTED BELOW THE LIMIT OF DETECTION (LOD).

DETECTION LIMIT OF TOTAL PCDDs AND PCDFs CALCULATED BY COMBINE ALL DETECTION LIMIT OF TOXIC PCDDs AND PCDFs.

THE SAMPLING PROCEDURES AND APPROVAL ARE NOT INCLUDED

MS. THEERANAN DUANGDEETIP (1-252-9-0003)  
DIOXIN LABORATORY CHIEF

◆ PROHIBITED TO PARTIALLY COPY ANALYSIS REPORT PRIOR TO WRITTEN PERMISSION BY LABORATORY.  
◆ THIS ANALYSIS REPORT APPROVES FOR SUBMITTED SAMPLE ONLY.

แบบบันทึกผลการวิเคราะห์

Analysis result record form



METHOD OF ANALYSIS : UJA.T.01 BASED ON US EPA, CODE OF FEDERAL REGULATION, 40 CFR PT. 60 APP. A-7 METHOD 23, JULY 2018 AND JS K 0311, JUNE 2005

ANALYZED BY : MS. TANOMLUCK NATEHAN (r-252-q-0002) : 20250211.STK-002

SAMPLE MATRIX : ตัวอย่างจาก ปล่องระเหยของภาคผลิต (STACD) : FEBRUARY 11, 2025

SAMPLING DATE : FEBRUARY 8, 2025 : ANALYSIS PERIOD : 11 - 28/02/2025

XMS MASS DATA : Original: 250225.Run\_BPX003.mfl, InjectionNo= 11, Sample= 250211.STK002, Date= 2025/2/25 17:17:44

: Original: 250226.Run\_RH12003.mfl, InjectionNo= 10, Sample= 250211.STK002, Date= 2025/2/26 18:03

COMPONENT	S/N	%ARE	DCK	DL (ng)	AMOUNT (ng)	TEF	TEQ (ng-TEQ)	TEF (WHO 2006)	TEQ (WHO 2006) (ng-TEQ)
2,3,7,8-TCDD	-	-	✓	0.000500	< 0.000500	1	< 0.000500		
1,2,3,7,8-PeCDD	-	-	✓	0.00250	< 0.00250	0.5	< 0.00125		
1,2,3,4,7,8-HxCDD	✓	✓	✓	0.00250	0.0215	0.1	0.00215		
1,2,3,6,7,8-HxCDD	✓	✓	✓	0.00250	0.0181	0.1	0.00181		
1,2,3,7,8,9-HxCDD	✓	✓	✓	0.00250	0.0188	0.1	0.00188		
1,2,3,4,6,7,8-HpCDD	✓	✓	✓	0.00250	0.0226	0.01	0.000226		
OCDD	✓	✓	✓	0.00500	0.0404	0.001	0.0000404		
2,3,7,8-TCDF	-	-	✓	0.000500	< 0.000500	0.1	< 0.0000500		
1,2,3,7,8-PeCDF	-	-	✓	0.00250	0.0241	0.05	0.00120		
2,3,4,7,8-PeCDF	-	-	✓	0.00250	< 0.00250	0.5	< 0.00125		
1,2,3,4,7,8-HxCDF	✓	✓	✓	0.00250	0.0257	0.1	0.00257		
1,2,3,6,7,8-HxCDF	✓	✓	✓	0.00250	0.0302	0.1	0.00302		
2,3,4,6,7,8-HxCDF	✓	✓	✓	0.00250	0.0442	0.1	0.00442		
1,2,3,7,8,9-HxCDF	-	-	✓	0.00250	< 0.00250	0.1	< 0.000250		
1,2,3,4,6,7,8-HpCDF	✓	✓	✓	0.00250	0.00506	0.01	0.000506		
1,2,3,4,7,8,9-HpCDF	✓	✓	✓	0.00250	0.0239	0.01	0.000239		
OCDF	✓	✓	✓	0.00500	0.0319	0.001	0.0000319		
TOTAL					0.352		0.0181		
ACCEPTABLE									
				%RECOVERY	%RECOVERY RANGE		COMPONENT	DL (ng)	AMOUNT (ng)
Internal Standard					TOTAL TCDDs			0.000500	< 0.000500
<sup>13</sup> C <sub>12</sub> 2,3,7,8-TCDD	✓	✓	✓	84	60-130		TOTAL PeCDDs	0.00250	< 0.00250
<sup>13</sup> C <sub>12</sub> 1,2,3,7,8-PeCDD	✓	✓	✓	99	60-130		TOTAL HxCDDs	0.00250	0.0602
<sup>13</sup> C <sub>12</sub> 1,2,3,6,7,8-HxCDD	✓	✓	✓	93	60-130		TOTAL HpCDDs	0.00250	0.0226
<sup>13</sup> C <sub>12</sub> 1,2,3,4,6,7,8-HpCDD	✓	✓	✓	92	60-130		OCDD	0.00500	0.0404
<sup>13</sup> C <sub>12</sub> OCDD	✓	✓	✓	100	60-130		TOTAL PCDDs		0.143
<sup>13</sup> C <sub>12</sub> 2,3,7,8-TCDF	✓	✓	✓	75	60-130		TOTAL TCDFs	0.000500	0.0602
<sup>13</sup> C <sub>12</sub> 1,2,3,7,8-PeCDF	✓	✓	✓	95	60-130		TOTAL PeCDFs	0.00250	0.170
<sup>13</sup> C <sub>12</sub> 1,2,3,6,7,8-HxCDF	✓	✓	✓	83	60-130		TOTAL HxCDFs	0.00250	0.183
<sup>13</sup> C <sub>12</sub> 1,2,3,4,6,7,8-HpCDF	✓	✓	✓	87	60-130		TOTAL HpCDFs	0.00250	0.111
Surrogate Standards							OCDF	0.00500	0.0319
<sup>13</sup> Cl <sub>4</sub> -2,3,7,8-TCDD	✓	✓	✓	91	70-130		TOTAL PCDFs		0.556
<sup>13</sup> C <sub>12</sub> 2,3,4,7,8-PeCDF	✓	✓	✓	101	70-130		TOTAL PCDDs+PCDFs		0.699
<sup>13</sup> C <sub>12</sub> 1,2,3,4,7,8-HxCDD	✓	✓	✓	98	70-130		* If all surrogate standards recovery < 10%, the sampling run must be repeated. Poor recoveries of isolated surrogate compounds should not be grounds for rejecting an entire set of the samples.		
<sup>13</sup> C <sub>12</sub> 1,2,3,4,7,8-HxCDF	✓	✓	✓	101	70-130				
<sup>13</sup> C <sub>12</sub> 1,2,3,4,7,8,9-HpCDF	✓	✓	✓	102	70-130				

Note(s):

=== DQ Cor JEOL DioK V4.02 2025/02/27 11:22:46  
DqData: 20250226 BPX STK.002 - 010, Injection= 250211.STK.002 (UNK)  
Original: 250225.Run\_BPX003.mfl, InjectionNo= 11, Sample= 250211.STK.002, Date= 2025/2/25 17:17:44

No	Type	Compound	Isomer	S/N	Area	Ratio	%ARE	OK	RT	RRF	C	Cs	%Rec	OK
1	QNT	T4CDD	2378								1.0635	ND	-	-
2	QNT	P5CDD	12378								1.0491	ND	-	-
3	QNT	H6CDD	123478	17.2	6.5	0.696	-13.7	OK(15)	29.403	1.0084	10.7585	21.5171	-	-
4	QNT	H6CDD	123678	13.3	5.4	0.822	1.9	OK(15)	29.543	0.9936	9.0289	18.0578	-	-
5	QNT	H6CDD	123789	14	5.9	0.716	-11.2	OK(15)	29.913	1.0451	9.3885	18.777	-	-
6	QNT	H7CDD	1234678	13.1	5.8	0.952	-1.5	OK(15)	33.312	0.9641	11.2991	22.5981	-	-
7	QNT	O8CDD	12346789	22.5	10.8	0.767	-13.7	OK(15)	36.429	1.0865	20.1985	40.3969	-	-
8	QNT	T4CDF	2378								1.0046	ND	-	-
9	QNT	P5CDF	12378	19.5	12.1	0.694	7.5	OK(15)	23.54	1.015	12.0415	24.083	-	-
10	QNT	P5CDF	23478	35	35.5	0.608	-5.8	OK(15)	24.761	1.015	35.4465	70.8931	-	-
11	QNT	H6CDF	123478	21.6	9.4	0.823	2.2	OK(15)	28.425	0.941	12.8512	25.7023	-	-
12	QNT	H6CDF	123678	24.1	11.2	0.777	-3.5	OK(15)	28.583	0.9527	15.1082	30.2163	-	-
13	QNT	H6CDF	234678	35.4	15.5	0.778	-3.3	OK(15)	29.358	0.9042	22.1023	44.2046	-	-
14	QNT	H6CDF	123789	19.9	9.1	0.74	-8.1	OK(15)	30.482	0.7998	14.6693	29.3385	-	-
15	QNT	H7CDF	1234678	40.5	16.2	0.822	-14.9	OK(15)	32.097	0.9481	25.2787	50.5574	-	-
16	QNT	H7CDF	1234789	17.7	6.3	0.995	3.1	OK(15)	34.014	0.7789	11.9362	23.8724	-	-
17	QNT	O8CDF	12346789	13.6	10	0.84	-5.5	OK(15)	36.698	1.2702	15.9468	31.8936	-	-
18	IS	13C-T4CDD	2378	1075.8	1928.9	0.782	1	OK(15)	19.736	1.0012	2102.12	-	84.1	OK(40-130)
19	IS	13C-P5CDD	12378	2008.7	1669.1	0.695	12	OK(15)	25.017	0.7379	2468.252	-	98.7	OK(40-130)
20	IS	13C-H6CDD	123678	2841.3	1494.8	0.784	-2.8	OK(15)	29.517	0.9645	2332.017	-	93.3	OK(40-130)
21	IS	13C-H7CDD	1234678	2004.2	1320.1	0.943	-2.4	OK(15)	33.295	0.8635	2300.229	-	92	OK(25-130)
22	IS	13C-O8CDD	12346789	3741.2	2462.9	0.875	-1.5	OK(15)	36.416	0.7437	4983.214	-	99.7	OK(25-130)
23	IS	13C-T4CDF	2378	746.3	2425.3	0.769	-0.8	OK(15)	19.217	1.4096	1877.393	-	75.1	OK(40-130)
24	IS	13C-P5CDF	12378	2432.2	2468	0.623	-3.5	OK(15)	23.522	1.134	2374.697	-	95	OK(40-130)
25	IS	13C-H6CDF	123678	1794.4	1939.9	0.779	-3.2	OK(15)	28.566	1.4151	2062.699	-	82.5	OK(40-130)
26	IS	13C-H7CDF	1234678	2508.8	1689.9	1.011	4.7	OK(15)	32.082	1.1745	2164.938	-	86.6	OK(25-130)
27	SS	13C-P5CDF	23478	2399.2	2419.5	0.612	-5.3	OK(15)	24.771	0.9688	2529.916	-	101.2	OK(70-130)
28	SS	13C-H6CDD	123478	2538.2	1328.6	0.725	-10.1	OK(15)	29.387	0.9029	2461.018	-	98.4	OK(70-130)
29	SS	13C-H6CDF	123478	1714.3	1752.7	0.776	-3.6	OK(15)	28.405	0.8951	2523.59	-	100.9	OK(70-130)
30	SS	13C-H7CDF	1234789	2261.9	1441.9	1.035	7.2	OK(15)	34.003	0.8343	2556.723	-	102.3	OK(70-130)
31	RS	13C-T4CDD	1234						19.291	-	-	-	-	-
32	RS	13C-H6CDD	123789	1655.3	830.7	0.779	-3.4	OK(15)	29.899	-	-	-	-	-
33	AS	13C-H6CDF	123789											
34	SS	37Cl-T4CDD	2378	465.4	3770.3	-	-	-	19.755	1.2402	ND	-	-	-
35		T4CDD	Total	-	-	-	-	-	-	2.1478	2275.222	-	91	OK(70-130)
36		P5CDD	Total	-	-	-	-	-	-	1.0635	ND	0	-	-
37		H6CDD	Total	-	24.4	-	-	-	-	1.0491	ND	0	-	-
38		H7CDD	Total	-	5.8	-	-	-	-	1.0157	40.1108	80.2216	-	-
39		T4CDF	Total	-	29.3	-	-	-	-	0.9641	11.2991	22.5981	-	-
40		P5CDF	Total	-	85	-	-	-	-	1.0046	30.0822	60.1644	-	-
41		H6CDF	Total	-	63.7	-	-	-	-	1.015	84.82	169.6401	-	-
42		H7CDF	Total	-	33.1	-	-	-	-	0.8994	91.294	182.588	-	-
										0.8635	55.439	110.878	-	-

=== DQ Cor JEOL DioK V4.02 2025/02/27 13:47:13  
DqData: 20250227 RH12.STK.002 - 010, Injection= 250211.STK.002 (UNK)  
Original: 250226.Run\_RH12003.mfl, InjectionNo= 10, Sample= 250211.STK.002, Date= 2025/2/26 18:03

No	Type	Compound	Isomer	S/N	Area	Ratio	%ARE	OK	RT	RRF	C	Cs	%Rec	OK
10	QNT	P5CDF	23478								1.015	ND	0	-
34	QNT	H6CDF	123689								0.9203	ND	0	-
14	QNT	H6CDF	123789								0.7998	ND	0	-





ANALYSIS CALCULATION

REPORT NO.	: UJA 010-1/2025
CALCULATED DATE	: 20250211.STK.003
CLIENT NAME	: UNITED ANALYST AND ENGINEERING CONSULTANT CO., LTD.
ADDRESS	: 3 SOI UDOMSUK 41, SUKHUMVIT ROAD, BANGCHAK, PHRAKHANONG, BANGKOK 10260
SAMPLE ID	: 20250211.STK.003
TYPE OF SAMPLE	: ตัวอย่างจาก ปล่องระบบบำบัดเสีย (STACK)
DESCRIPTION OF SAMPLE	: FILTER (NORMAL), XAD-2 RESIN (NORMAL), RINSE SOLUTION (NORMAL, TRANSPARENT)
RECEIVED DATE	: FEBRUARY 11, 2025
ANALYSIS PERIOD	: 11 - 28/02/2025
METHOD OF ANALYSIS	: UJA.T.01 BASED ON US EPA, CODE OF FEDERAL REGULATION, 40 CFR PT. 60 APP. A-7 METHOD 23, JULY 2018 AND JS K 0311, JUNE 2005
CALCULATED BY	: THEERANAN DUANGDEETIP

SAMPLING BY	: MR APIWICH TOUNGTEE (UNITED ANALYST AND ENGINEERING CONSULTANT CO., LTD.)
METHOD OF SAMPLING	: U.S. EPA METHOD 23 (BY CUSTOMER)
SAMPLING LOCATION	: TPI POLENE (PUBLIC) CO., LTD.
SAMPLING DATE	: FEBRUARY 8, 2025
REF. SAMPLE NAME	: MAIN STACK 4 (ACT20-2)
Standard Meter Volume (V <sub>m</sub> ) <sub>std</sub>	1.9178 m <sup>3</sup>
OXYGEN DURING SAMPLING	7.1 %

ANALYTE	REPORT LOD (ng/m <sup>3</sup> )	AMOUNT (ng/m <sup>3</sup> )	7% OXYGEN (ng/m <sup>3</sup> )	TEF <sup>1/2</sup>	TEQ <sup>2/</sup> (ng-TEQ/m <sup>3</sup> )	7% OXYGEN (ng-TEQ/m <sup>3</sup> )
2,3,7,8-TeCDD	0.00261	< 0.00261	< 0.00263	1	< 0.00261	< 0.00263
1,2,3,7,8-PeCDD	0.00130	< 0.00130	< 0.00131	0.5	< 0.000650	< 0.000655
1,2,3,4,7,8-HxCDD	0.00130	0.00742	0.00748	0.1	0.000742	0.000747
1,2,3,6,7,8-HxCDD	0.00130	0.00939	0.00946	0.1	0.000939	0.000946
1,2,3,7,8,9-HxCDD	0.00130	< 0.00130	< 0.00131	0.1	< 0.000130	< 0.000131
1,2,3,4,6,7,8-HpCDD	0.00130	0.0270	0.0272	0.01	0.000270	0.000272
OCDD	0.00261	0.0253	0.0254	0.001	0.0000253	0.0000255
2,3,7,8-TeCDF	0.00261	< 0.00261	< 0.00263	0.1	< 0.000261	< 0.000263
1,2,3,7,8-PeCDF	0.00130	0.00681	0.00686	0.05	0.000340	0.000343
2,3,4,7,8-PeCDF	0.00130	< 0.00130	< 0.00131	0.5	< 0.000650	< 0.000655
1,2,3,4,7,8-HxCDF	0.00130	0.0104	0.0105	0.1	0.00104	0.00105
1,2,3,6,7,8-HxCDF	0.00130	0.0146	0.0147	0.1	0.00146	0.00147
2,3,4,6,7,8-HxCDF	0.00130	0.0198	0.0199	0.1	0.00198	0.00199
1,2,3,7,8,9-HxCDF	0.00130	< 0.00130	< 0.00131	0.1	< 0.000130	< 0.000131
1,2,3,4,6,7,8-HpCDF	0.00130	0.0313	0.0316	0.01	0.000313	0.000315
1,2,3,4,7,8,9-HpCDF	0.00130	0.0154	0.0155	0.01	0.000154	0.000155
OCDF	0.00261	0.0251	0.0252	0.001	0.0000251	0.0000253
Total						0.00729
Total						0.00734

<sup>1/</sup> TEF (TOXIC EQUIVALENCY FACTOR), USE IS ACCORDING TO NATOCCMS (1988), AS AN INTERNATIONAL TOXIC EQUIVALENCY FACTORS (H-TEFS).

<sup>2/</sup> TEQ (TOXIC EQUIVALENCY) FOR EACH COMPONENT OBTAINED BY MULTIPLYING THE CONCENTRATION WITH ITS CORRESPONDING TEF.

<sup>3/</sup> THE TOTAL PCDDs AND PCDFs ARE CALCULATED EXCLUDING ANY PCDDs OR PCDFs THAT ARE REPORTED BELOW THE LIMIT OF DETECTION (LOD). DETECTION LIMIT OF TOTAL PCDDs AND PCDFs CALCULATED BY COMBINE ALL DETECTION LIMIT OF TOXIC PCDDs AND PCDFs.

◆ PROHIBITED TO PARTIALLY COPY REPORT PRIOR TO WRITTEN PERMISSION BY LABORATORY.  
◆ THIS REPORT APPROVES FOR SUBMITTED SAMPLE ONLY.



ANALYSIS REPORT

REPORT NO.	: UJA 010/2025
REPORT DATE	: FEBRUARY 28, 2025
CUSTOMER NAME	: UNITED ANALYST AND ENGINEERING CONSULTANT CO., LTD.
ADDRESS	: 3 SOI UDOMSUK 41, SUKHUMVIT ROAD, BANGCHAK, PHRAKHANONG, BANGKOK 10260
CONTACT	: TEL: 02-763-2828 EXT.7098 EMAIL: JETJARINT@JAECONSULTANT.CO.TH
SAMPLE ID	: 20250211.STK.003
TYPE OF SAMPLE	: ตัวอย่างจาก ปล่องระบบบำบัดเสีย (STACK)
DESCRIPTION OF SAMPLE	: FILTER (NORMAL), XAD-2 RESIN (NORMAL), RINSE SOLUTION (NORMAL, TRANSPARENT)
RECEIVED DATE	: FEBRUARY 11, 2025
ANALYSIS PERIOD	: 11 - 28/02/2025
ANALYSIS METHOD	: UJA.T.01 BASED ON US EPA, CODE OF FEDERAL REGULATION, 40 CFR PT. 60 APP. A-7 METHOD 23, JULY 2018 AND JS K 0311, JUNE 2005
ANALYZED BY	: MS. TANOMLUCK NATEHAN (1-252-9-0002)

SAMPLING BY	: MR APIWICH TOUNGTEE (UNITED ANALYST AND ENGINEERING CONSULTANT CO., LTD.)
SAMPLING DATE	: FEBRUARY 8, 2025
SAMPLING LOCATION	: TPI POLENE (PUBLIC) CO., LTD.
REF. SAMPLE NAME	: MAIN STACK 4 (ACT20-2)

ANALYTE	REPORT LOD (ng/sample)	AMOUNT (ng/sample)	TEF <sup>1/2</sup>	TEQ <sup>2/</sup>
2,3,7,8-TeCDD	0.000500	< 0.000500	1	< 0.000500
1,2,3,7,8-PeCDD	0.00250	< 0.00250	0.5	< 0.00125
1,2,3,4,7,8-HxCDD	0.00250	0.0142	0.1	0.00142
1,2,3,6,7,8-HxCDD	0.00250	0.0180	0.1	0.00180
1,2,3,7,8,9-HxCDD	0.00250	< 0.00250	0.1	< 0.000250
1,2,3,4,6,7,8-HpCDD	0.00250	0.0519	0.01	0.000519
OCDD	0.00500	0.0485	0.001	0.0000485
2,3,7,8-TeCDF	0.000500	< 0.000500	0.1	< 0.0000500
1,2,3,7,8-PeCDF	0.00250	0.0131	0.05	0.000655
2,3,4,7,8-PeCDF	0.00250	< 0.00250	0.5	< 0.00125
1,2,3,4,7,8-HxCDF	0.00250	0.0199	0.1	0.00199
1,2,3,6,7,8-HxCDF	0.00250	0.0279	0.1	0.00279
2,3,4,6,7,8-HxCDF	0.00250	0.0379	0.1	0.00379
1,2,3,7,8,9-HxCDF	0.00250	< 0.00250	0.1	< 0.000250
1,2,3,4,6,7,8-HpCDF	0.00250	0.0601	0.01	0.000601
OCDF	0.00250	0.0296	0.01	0.000296
Total PCDDs and PCDFs <sup>3/</sup>				0.0481
Total				0.369
Total				0.0140

<sup>1/</sup> TEF (TOXIC EQUIVALENCY FACTOR), USE IS ACCORDING TO NATOCCMS (1988), AS AN INTERNATIONAL TOXIC EQUIVALENCY FACTORS (H-TEFS).

<sup>2/</sup> TEQ (TOXIC EQUIVALENCY) FOR EACH COMPONENT OBTAINED BY MULTIPLYING THE CONCENTRATION WITH ITS CORRESPONDING TEF.

<sup>3/</sup> THE TOTAL PCDDs AND PCDFs ARE CALCULATED EXCLUDING ANY PCDDs OR PCDFs THAT ARE REPORTED BELOW THE LIMIT OF DETECTION (LOD).

DETECTION LIMIT OF TOTAL PCDDs AND PCDFs CALCULATED BY COMBINE ALL DETECTION LIMIT OF TOXIC PCDDs AND PCDFs.

THE SAMPLING PROCEDURES AND APPROVAL ARE NOT INCLUDED

MS. THEERANAN DUANGDEETIP (1-252-9-0003)  
DIOXIN LABORATORY CHIEF

◆ PROHIBITED TO PARTIALLY COPY ANALYSIS REPORT PRIOR TO WRITTEN PERMISSION BY LABORATORY.  
◆ THIS ANALYSIS REPORT APPROVES FOR SUBMITTED SAMPLE ONLY.

แบบบันทึกผลการวิเคราะห์

Analysis result record form



METHOD OF ANALYSIS : UJA-T.01 BASED ON US EPA, CODE OF FEDERAL REGULATION, 40 CFR PT. 60 APP. A-7 METHOD 23, JULY 2018 AND JS K 0311, JUNE 2005

ANALYZED BY : MS. TANOMLUCK NATEHAN (r-252-q-0002) : 20250211.STK-003

SAMPLE MATRIX : ตัวอย่างจาก ปล่องระเหยของภาคผลิต (STACD) : FEBRUARY 11, 2025

SAMPLING DATE : FEBRUARY 8, 2025 : ANALYSIS PERIOD : 11 - 28/02/2025

XMS MASS DATA : Original: 250225.Run\_BPX003.mfl, InjectionNo= 12, Sample= 250211.STK003, Date= 2025/2/25 18:7:26

: Original: 250226.Run\_RH12003.mfl, InjectionNo= 11, Sample= 250211.STK003, Date= 2025/2/26 18:49:43

COMPONENT	S/N	%ARE	DCK	DL (ng)	AMOUNT (ng)	TEF	TEQ (ng-TEQ)	TEF (WHO 2006)	TEQ (WHO 2006) (ng-TEQ)
2,3,7,8-TCDD	-	-	✓	0.000500	< 0.000500	1	< 0.000500		
1,2,3,7,8-PeCDD	-	-	✓	0.00250	< 0.00250	0.5	< 0.00125		
1,2,3,4,7,8-HxCDD	✓	✓	✓	0.00250	0.0142	0.1	0.00142		
1,2,3,6,7,8-HxCDD	✓	✓	✓	0.00250	0.0180	0.1	0.00180		
1,2,3,7,8,9-HxCDD	-	-	✓	0.00250	< 0.00250	0.1	< 0.000250		
1,2,3,4,6,7,8-HpCDD	✓	✓	✓	0.00250	0.0519	0.01	0.000519		
OCDD	✓	✓	✓	0.00500	0.0485	0.001	0.0000485		
2,3,7,8-TCDF	-	-	✓	0.000500	< 0.000500	0.1	< 0.0000500		
1,2,3,7,8-PeCDF	✓	✓	✓	0.00250	0.0131	0.05	0.000655		
2,3,4,7,8-PeCDF	-	-	✓	0.00250	< 0.00250	0.5	< 0.00125		
1,2,3,4,7,8-HxCDF	✓	✓	✓	0.00250	0.0199	0.1	0.00199		
1,2,3,6,7,8-HxCDF	✓	✓	✓	0.00250	0.0279	0.1	0.00279		
2,3,4,6,7,8-HpCDF	✓	✓	✓	0.00250	0.0379	0.1	0.00379		
1,2,3,7,8,9-HxCDF	-	-	✓	0.00250	< 0.00250	0.1	< 0.000250		
1,2,3,4,6,7,8-HpCDF	✓	✓	✓	0.00250	0.00601	0.01	0.000601		
1,2,3,4,7,8,9-HpCDF	✓	✓	✓	0.00250	0.0296	0.01	0.000296		
OCDF	✓	✓	✓	0.00500	0.0481	0.001	0.0000481		
TOTAL					0.369		0.0140		

COMPONENT	S/N	%ARE	DCK	%RECOVERY	ACCEPTABLE %RECOVERY RANGE	COMPONENT	DL (ng)	AMOUNT (ng)
Internal Standard					TOTAL TCDDs		0.000500	< 0.000500
<sup>13</sup> C <sub>12</sub> -2,3,7,8-TCDD	✓	✓	✓	89	60-130	TOTAL PeCDDs	0.00250	< 0.00250
<sup>13</sup> C <sub>12</sub> -1,2,3,7,8-PeCDD	✓	✓	✓	103	60-130	TOTAL HxCDDs	0.00250	0.0779
<sup>13</sup> C <sub>12</sub> -1,2,3,6,7,8-HxCDD	✓	✓	✓	102	60-130	TOTAL HpCDDs	0.00250	0.0898
<sup>13</sup> C <sub>12</sub> -1,2,3,4,6,7,8-HpCDD	✓	✓	✓	98	60-130	OCDD	0.00500	0.0485
<sup>13</sup> C <sub>12</sub> -OCDD	✓	✓	✓	103	60-130	TOTAL PCDDs		0.216
<sup>13</sup> C <sub>12</sub> -2,3,7,8-TCDF	✓	✓	✓	78	60-130	TOTAL TCDFs	0.000500	0.0299
<sup>13</sup> C <sub>12</sub> -1,2,3,7,8-PeCDF	✓	✓	✓	100	60-130	TOTAL PeCDFs	0.00250	0.0866
<sup>13</sup> C <sub>12</sub> -1,2,3,6,7,8-HxCDF	✓	✓	✓	92	60-130	TOTAL HxCDFs	0.00250	0.156
<sup>13</sup> C <sub>12</sub> -1,2,3,4,6,7,8-HpCDF	✓	✓	✓	94	60-130	TOTAL HpCDFs	0.00250	0.129
Surrogate Standards					OCDF		0.00500	0.0481
<sup>13</sup> Cl <sub>4</sub> -2,3,7,8-TCDD	✓	✓	✓	94	70-130	TOTAL PCDFs		0.450
<sup>13</sup> C <sub>12</sub> -2,3,4,7,8-PeCDF	✓	✓	✓	101	70-130	TOTAL PCDDs+PCDFs		0.666
<sup>13</sup> C <sub>12</sub> -1,2,3,4,7,8-HxCDD	✓	✓	✓	100	70-130	* If all surrogate standards recovery < 10%, the sampling run must be repeated. Poor recoveries of isolated surrogate compounds should not be grounds for rejecting an entire set of the samples.		
<sup>13</sup> C <sub>12</sub> -1,2,3,4,7,8-HxCDF	✓	✓	✓	101	70-130			
<sup>13</sup> C <sub>12</sub> -1,2,3,4,7,8-HpCDF	✓	✓	✓	99	70-130			

Note(s):

=== DQ Cor JEOL DioK V4.02 2025/02/28 08:14:49  
DqData: 20250226 BPX.STK.002 - 010, Injection= 250211.STK.003 (UNK)  
Original: 250225.Run\_BPX003.mfl, InjectionNo= 12, Sample= 250211.STK.003, Date= 2025/2/25 18:7:26

No	Type	Compound	Isomer	S/N	Area	Ratio	%ARE	OK	RT	RRF	C	Cs	%Rec	OK
1	QNT	T4CDD	2378								1.0635	ND	-	-
2	QNT	P5CDD	12378								1.0491	ND	-	-
3	QNT	H6CDD	123478	12.2	4.7	0.908	12.6	OK(15)	29.395	1.0084	7.1189	14.2378	-	-
4	QNT	H6CDD	123678	12.5	5.8	0.799	-0.9	OK(15)	29.526	0.9936	9.0085	18.0169	-	-
5	QNT	H6CDD	123789								1.0451	ND	-	-
6	QNT	H7CDD	1234678	42.4	13.9	1.07	10.7	OK(15)	33.295	0.9641	25.9339	51.8677	-	-
7	QNT	O8CDD	12346789	30.2	13.4	0.98	10.3	OK(15)	36.408	1.0865	24.2277	48.4555	-	-
8	QNT	T4CDF	2378								1.0046	ND	-	-
9	QNT	P5CDF	12378	11.6	6.9	0.689	6.6	OK(15)	23.605	1.015	6.5275	13.055	-	-
10	QNT	P5CDF	23478	34.8	26.7	0.7	8.5	OK(15)	24.819	1.015	25.1132	50.2263	-	-
11	QNT	H6CDF	123478	13	8	0.874	8.6	OK(15)	28.418	0.941	9.9532	19.9064	-	-
12	QNT	H6CDF	123678	18.5	11.4	0.692	-14.1	OK(15)	28.582	0.9527	13.9584	27.9169	-	-
13	QNT	H6CDF	234678	27.7	14.7	0.852	5.8	OK(15)	29.349	0.9042	18.9553	37.9106	-	-
14	QNT	H6CDF	123789	9.9	7.2	0.813	0.9	OK(15)	30.485	0.7998	10.5627	21.1254	-	-
15	QNT	H7CDF	1234678	59.4	20.7	0.925	-4.2	OK(15)	32.081	0.9481	30.0496	60.0992	-	-
16	QNT	H7CDF	1234789	23.8	8.4	1.03	6.7	OK(15)	33.999	0.7789	14.7972	29.5944	-	-
17	QNT	O8CDF	12346789	21.7	15.5	0.918	3.3	OK(15)	36.682	1.2702	24.0295	48.059	-	-
18	IS	13C-T4CDD	2378	1275.9	2052.2	0.786	1.5	OK(15)	19.723	1.0012	2218.739	-	88.7	OK(40-130)
19	IS	13C-P5CDD	12378	2493.7	1750	0.672	8.3	OK(15)	25.058	0.7379	2567.188	-	102.7	OK(40-130)
20	IS	13C-H6CDD	123678	2418.4	1619.7	0.782	-3.1	OK(15)	29.508	0.9645	2540.841	-	101.6	OK(40-130)
21	IS	13C-H7CDD	1234678	3010.6	1391.3	0.99	2.4	OK(15)	33.28	0.8635	2437.881	-	97.5	OK(25-130)
22	IS	13C-O8CDD	12346789	5446.4	2537.9	0.88	-0.9	OK(15)	36.401	0.7437	5163.621	-	103.3	OK(25-130)
23	IS	13C-T4CDF	2378	963.6	2528.8	0.772	-0.4	OK(15)	19.205	1.4096	1941.833	-	77.7	OK(40-130)
24	IS	13C-P5CDF	12378	2165.6	2620.4	0.623	-3.4	OK(15)	23.565	1.134	2501.178	-	100	OK(40-130)
25	IS	13C-H6CDF	123678	1879.6	2141.7	0.811	0.7	OK(15)	28.556	1.4151	2289.894	-	91.6	OK(40-130)
26	IS	13C-H7CDF	1234678	2643.6	1814.4	0.968	0.2	OK(15)	32.069	1.1745	2337.295	-	93.5	OK(25-130)
27	SS	13C-P5CDF	23478	2632.2	2563.2	0.638	-1.3	OK(15)	24.828	0.9688	2524.287	-	101	OK(70-130)
28	SS	13C-H6CDD	123478	2293.6	1467.8	0.785	-2.7	OK(15)	29.379	0.9029	2509.295	-	100.4	OK(70-130)
29	SS	13C-H6CDF	123478	1851.2	1933.7	0.843	4.6	OK(15)	28.401	0.8951	2521.856	-	100.9	OK(70-130)
30	SS	13C-H7CDF	1234789	2324.5	1491	1.013	4.9	OK(15)	33.987	0.8343	2462.506	-	98.5	OK(70-130)
31	RS	13C-T4CDD	1234	730.8	1154.8	0.761	-1.7	OK(15)	19.277	-	-	-	-	-
32	RS	13C-H6CDD	123789	1253.2	826.2	0.758	-6	OK(15)	29.891	-	-	-	-	-
33	AS	13C-H6CDF	123789								1.2402	ND	-	-
34	SS	37Cl-T4CDD	2378	402.7	4134	-	-	-	19.742	2.1478	2344.743	-	93.8	OK(70-130)
35		T4CDD	Total	-	-	-	-	-	-	1.0635	ND	0	-	-
36		P5CDD	Total	-	-	-	-	-	-	1.0491	ND	0	-	-
37		H6CDD	Total	-	25.5	-	-	-	-	1.0157	38.9277	77.8554	-	-
38		H7CDD	Total	-	24.1	-	-	-	-	0.9641	44.8982	89.7963	-	-
39		T4CDF	Total	-	15.2	-	-	-	-	1.0046	14.9543	29.9086	-	-
40		P5CDF	Total	-	46.1	-	-	-	-	1.015	43.3003	86.6006	-	-
41		H6CDF	Total	-	60.3	-	-	-	-	0.8994	78.0078	156.0157	-	-
42		H7CDF	Total	-	41.4	-	-	-	-	0.8635	64.6347	129.2694	-	-

=== DQ Cor JEOL DioK V4.02 2025/02/28 08:15:13  
DqData: 20250227 RH12.STK.002 - 010, Injection= 250211.STK.003 (UNK)  
Original: 250226.Run\_RH12003.mfl, InjectionNo= 11, Sample= 250211.STK.003, Date= 2025/2/26 18:49:43

No	Type	Compound	Isomer	S/N	Area	Ratio	%ARE	OK	RT	RRF	C	Cs	%Rec	OK
10	QNT	P5CDF	23478								1.015	ND	0	-
34	QNT	H6CDD	123689								0.9203	ND	0	-
14	QNT	H6CDF	123789								0.7998	ND	0	-

ภาคผนวก ค-2  
ผลการติดตามตรวจสอบระดับเสียง







TIME	RESULT			
	SAN SAN-RON SCHOOL			
	FEBRUARY 10-11, 2023			
	Sample No.	Sample	Unit	Unit
17:00-18:00 HOURS	01.1	01.1	01.1	01.1
18:00-19:00 HOURS	01.2	01.2	01.2	01.2
19:00-20:00 HOURS	01.3	01.3	01.3	01.3
20:00-21:00 HOURS	01.4	01.4	01.4	01.4
21:00-22:00 HOURS	01.5	01.5	01.5	01.5
22:00-23:00 HOURS	01.6	01.6	01.6	01.6
23:00-24:00 HOURS	01.7	01.7	01.7	01.7
24:00-25:00 HOURS	01.8	01.8	01.8	01.8
25:00-26:00 HOURS	01.9	01.9	01.9	01.9
26:00-27:00 HOURS	01.10	01.10	01.10	01.10
27:00-28:00 HOURS	01.11	01.11	01.11	01.11
28:00-29:00 HOURS	01.12	01.12	01.12	01.12
29:00-30:00 HOURS	01.13	01.13	01.13	01.13
30:00-31:00 HOURS	01.14	01.14	01.14	01.14
31:00-32:00 HOURS	01.15	01.15	01.15	01.15
32:00-33:00 HOURS	01.16	01.16	01.16	01.16
33:00-34:00 HOURS	01.17	01.17	01.17	01.17
34:00-35:00 HOURS	01.18	01.18	01.18	01.18
35:00-36:00 HOURS	01.19	01.19	01.19	01.19
36:00-37:00 HOURS	01.20	01.20	01.20	01.20
37:00-38:00 HOURS	01.21	01.21	01.21	01.21
38:00-39:00 HOURS	01.22	01.22	01.22	01.22
39:00-40:00 HOURS	01.23	01.23	01.23	01.23
40:00-41:00 HOURS	01.24	01.24	01.24	01.24
41:00-42:00 HOURS	01.25	01.25	01.25	01.25
42:00-43:00 HOURS	01.26	01.26	01.26	01.26
43:00-44:00 HOURS	01.27	01.27	01.27	01.27
44:00-45:00 HOURS	01.28	01.28	01.28	01.28
45:00-46:00 HOURS	01.29	01.29	01.29	01.29
46:00-47:00 HOURS	01.30	01.30	01.30	01.30
47:00-48:00 HOURS	01.31	01.31	01.31	01.31
48:00-49:00 HOURS	01.32	01.32	01.32	01.32
49:00-50:00 HOURS	01.33	01.33	01.33	01.33
50:00-51:00 HOURS	01.34	01.34	01.34	01.34
51:00-52:00 HOURS	01.35	01.35	01.35	01.35
52:00-53:00 HOURS	01.36	01.36	01.36	01.36
53:00-54:00 HOURS	01.37	01.37	01.37	01.37
54:00-55:00 HOURS	01.38	01.38	01.38	01.38
55:00-56:00 HOURS	01.39	01.39	01.39	01.39
56:00-57:00 HOURS	01.40	01.40	01.40	01.40
57:00-58:00 HOURS	01.41	01.41	01.41	01.41
58:00-59:00 HOURS	01.42	01.42	01.42	01.42
59:00-60:00 HOURS	01.43	01.43	01.43	01.43
60:00-61:00 HOURS	01.44	01.44	01.44	01.44
61:00-62:00 HOURS	01.45	01.45	01.45	01.45
62:00-63:00 HOURS	01.46	01.46	01.46	01.46
63:00-64:00 HOURS	01.47	01.47	01.47	01.47
64:00-65:00 HOURS	01.48	01.48	01.48	01.48
65:00-66:00 HOURS	01.49	01.49	01.49	01.49
66:00-67:00 HOURS	01.50	01.50	01.50	01.50
67:00-68:00 HOURS	01.51	01.51	01.51	01.51
68:00-69:00 HOURS	01.52	01.52	01.52	01.52
69:00-70:00 HOURS	01.53	01.53	01.53	01.53
70:00-71:00 HOURS	01.54	01.54	01.54	01.54
71:00-72:00 HOURS	01.55	01.55	01.55	01.55
72:00-73:00 HOURS	01.56	01.56	01.56	01.56
73:00-74:00 HOURS	01.57	01.57	01.57	01.57
74:00-75:00 HOURS	01.58	01.58	01.58	01.58
75:00-76:00 HOURS	01.59	01.59	01.59	01.59
76:00-77:00 HOURS	01.60	01.60	01.60	01.60
77:00-78:00 HOURS	01.61	01.61	01.61	01.61
78:00-79:00 HOURS	01.62	01.62	01.62	01.62
79:00-80:00 HOURS	01.63	01.63	01.63	01.63
80:00-81:00 HOURS	01.64	01.64	01.64	01.64
81:00-82:00 HOURS	01.65	01.65	01.65	01.65
82:00-83:00 HOURS	01.66	01.66	01.66	01.66
83:00-84:00 HOURS	01.67	01.67	01.67	01.67
84:00-85:00 HOURS	01.68	01.68	01.68	01.68
85:00-86:00 HOURS	01.69	01.69	01.69	01.69
86:00-87:00 HOURS	01.70	01.70	01.70	01.70
87:00-88:00 HOURS	01.71	01.71	01.71	01.71
88:00-89:00 HOURS	01.72	01.72	01.72	01.72
89:00-90:00 HOURS	01.73	01.73	01.73	01.73
90:00-91:00 HOURS	01.74	01.74	01.74	01.74
91:00-92:00 HOURS	01.75	01.75	01.75	01.75
92:00-93:00 HOURS	01.76	01.76	01.76	01.76
93:00-94:00 HOURS	01.77	01.77	01.77	01.77
94:00-95:00 HOURS	01.78	01.78	01.78	01.78
95:00-96:00 HOURS	01.79	01.79	01.79	01.79
96:00-97:00 HOURS	01.80	01.80	01.80	01.80
97:00-98:00 HOURS	01.81	01.81	01.81	01.81
98:00-99:00 HOURS	01.82	01.82	01.82	01.82
99:00-100:00 HOURS	01.83	01.83	01.83	01.83
100:00-101:00 HOURS	01.84	01.84	01.84	01.84
101:00-102:00 HOURS	01.85	01.85	01.85	01.85
102:00-103:00 HOURS	01.86	01.86	01.86	01.86
103:00-104:00 HOURS	01.87	01.87	01.87	01.87
104:00-105:00 HOURS	01.88	01.88	01.88	01.88
105:00-106:00 HOURS	01.89	01.89	01.89	01.89
106:00-107:00 HOURS	01.90	01.90	01.90	01.90
107:00-108:00 HOURS	01.91	01.91	01.91	01.91
108:00-109:00 HOURS	01.92	01.92	01.92	01.92
109:00-110:00 HOURS	01.93	01.93	01.93	01.93
110:00-111:00 HOURS	01.94	01.94	01.94	01.94
111:00-112:00 HOURS	01.95	01.95	01.95	01.95
112:00-113:00 HOURS	01.96	01.96	01.96	01.96
113:00-114:00 HOURS	01.97	01.97	01.97	01.97
114:00-115:00 HOURS	01.98	01.98	01.98	01.98
115:00-116:00 HOURS	01.99	01.99	01.99	01.99
116:00-117:00 HOURS	02.00	02.00	02.00	02.00
117:00-118:00 HOURS	02.01	02.01	02.01	02.01
118:00-119:00 HOURS	02.02	02.02	02.02	02.02
119:00-120:00 HOURS	02.03	02.03	02.03	02.03
120:00-121:00 HOURS	02.04	02.04	02.04	02.04
121:00-122:00 HOURS	02.05	02.05	02.05	02.05
122:00-123:00 HOURS	02.06	02.06	02.06	02.06
123:00-124:00 HOURS	02.07	02.07	02.07	02.07
124:00-125:00 HOURS	02.08	02.08	02.08	02.08
125:00-126:00 HOURS	02.09	02.09	02.09	02.09
126:00-127:00 HOURS	02.10	02.10	02.10	02.10
127:00-128:00 HOURS	02.11	02.11	02.11	02.11
128:00-129:00 HOURS	02.12	02.12	02.12	02.12
129:00-130:00 HOURS	02.13	02.13	02.13	02.13
130:00-131:00 HOURS	02.14	02.14	02.14	02.14
131:00-132:00 HOURS	02.15	02.15	02.15	02.15
132:00-133:00 HOURS	02.16	02.16	02.16	02.16
133:00-134:00 HOURS	02.17	02.17	02.17	02.17
134:00-135:00 HOURS	02.18	02.18	02.18	02.18
135:00-136:00 HOURS	02.19	02.19	02.19	02.19
136:00-137:00 HOURS	02.20	02.20	02.20	02.20
137:00-138:00 HOURS	02.21	02.21	02.21	02.21
138:00-139:00 HOURS	02.22	02.22	02.22	02.22
139:00-140:00 HOURS	02.23	02.23	02.23	02.23
140:00-141:00 HOURS	02.24	02.24	02.24	02.24
141:00-142:00 HOURS	02.25	02.25	02.25	02.25
142:00-143:00 HOURS	02.26	02.26	02.26	02.26
143:00-144:00 HOURS	02.27	02.27	02.27	02.27
144:00-145:00 HOURS	02.28	02.28	02.28	02.28
145:00-146:00 HOURS	02.29	02.29	02.29	02.29
146:00-147:00 HOURS	02.30	02.30	02.30	02.30
147:00-148:00 HOURS	02.31	02.31	02.31	02.31
148:00-149:00 HOURS	02.32	02.32	02.32	02.32
149:00-150:00 HOURS	02.33	02.33	02.33	02.33
150:00-151:00 HOURS	02.34	02.34	02.34	02.34
151:00-152:00 HOURS	02.35	02.35	02.35	02.35
152:00-153:00 HOURS	02.36	02.36	02.36	02.36
153:00-154:00 HOURS	02.37	02.37	02.37	02.37
154:00-155:00 HOURS	02.38	02.38	02.38	02.38
155:00-156:00 HOURS	02.39	02.39	02.39	02.39
156:00-157:00 HOURS	02.40	02.40	02.40	02.40
157:00-158:00 HOURS	02.41	02.41	02.41	02.41
158:00-159:00 HOURS	02.42	02.42	02.42	02.42
159:00-160:00 HOURS	02.43	02.43	02.43	02.43
160:00-161:00 HOURS	02.44	02.44	02.44	02.44
161:00-162:00 HOURS	02.45	02.45	02.45	02.45
162:00-163:00 HOURS	02.46	02.46	02.46	02.46
163:00-164:00 HOURS	02.47	02.47	02.47	02.47
164:00-165:00 HOURS	02.48	02.48	02.48	02.48
165:00-166:00 HOURS	02.49	02.49	02.49	02.49
166:00-167:00 HOURS	02.50	02.50	02.50	02.50
167:00-168:00 HOURS	02.51	02.51	02.51	02.51
168:00-169:00 HOURS	02.52	02.52	02.52	02.52
169:00-170:00 HOURS	02.53	02.53	02.53	02.53
170:00-171:00 HOURS	02.54	02.54	02.54	02.54
171:00-172:00 HOURS	02.55	02.55	02.55	02.55
172:00-173:00 HOURS	02.56	02.56	02.56	02.56
173:00-174:00 HOURS	02.57	02.57	02.57	02.57
174:00-175:00 HOURS	02.58	02.58	02.58	02.58
175:00-176:00 HOURS	02.59	02.59	02.59	02.59
176:00-177:00 HOURS	02.60	02.60	02.60	02.60
177:00-178:00 HOURS	02.61	02.61	02.61	02.61
178:00-179:00 HOURS	02.62	02.62	02.62	02.62
179:00-180:00 HOURS	02.63	02.63	02.63	02.63
180:00-181:00 HOURS	02.64	02.64	02.64	02.64
181:00-182:00 HOURS	02.65	02.65	02.65	02.65
182:00-183:00 HOURS	02.66	02.66	02.66	02.66
183:00-184:00 HOURS	02.67	02.67	02.67	02.67
184:00-185:00 HOURS	02.68	02.68	02.68	02.68
185:00-186:00 HOURS	02.69	02.69	02.69	02.69
186:00-187:00 HOURS	02.70	02.70	02.70	02.70
187:00-188:00 HOURS	02.71	02.71	02.71	02.71
188:00-189:00 HOURS	02.72	02.72	02.72	02.72
189:00-190:00 HOURS	02.73	02.73	02.73	02.73
190:00-191:00 HOURS	02.74	02.74	02.74	02.74
191:00-192:00 HOURS	02.75	02.75	02.75	02.75
192:00-193:00 HOURS	02.76	02.76	02.76	02.76
193:00-194:00 HOURS	02.77	02.77	02.77	02.77
194:00-195:00 HOURS	02.78	02.78	02.78	02.78
195:00-196:00 HOURS	02.79	02.79	02.79	02.79
196:00-197:00 HOURS	02.80	02.80	02.80	02.80
197:00-198:00 HOURS	02.81	02.81	02.81	02.81
198:00-199:0				

[illegible]

• PROHIBITED TO PARTIALLY COPY ANALYSIS REPORT PRIOR TO WRITING PERMISSION BY THE LABORATORY.  
 • THIS ANALYSIS REPORT APPROVES ONLY FOR SUBMITTED SAMPLES.

TIME*	THURSDAY	FRIDAY	SATURDAY	SUNDAY	TOTAL
07:00-08:00 HOURS	11.1	11.0	11.0	11.0	44.1
08:00-09:00 HOURS	11.0	11.0	11.0	11.0	44.0
09:00-10:00 HOURS	11.4	11.4	11.4	11.4	45.6
10:00-11:00 HOURS	11.7	11.3	11.3	11.3	45.6
11:00-12:00 HOURS	11.0	11.0	11.0	11.0	44.0
12:00-13:00 HOURS	11.3	11.3	11.3	11.3	45.2
13:00-14:00 HOURS	11.6	11.2	11.2	11.2	45.2
14:00-15:00 HOURS	11.1	11.0	11.0	11.0	44.1
15:00-16:00 HOURS	11.3	11.3	11.3	11.3	45.2
16:00-17:00 HOURS	11.3	11.3	11.3	11.3	45.2
17:00-18:00 HOURS	11.2	11.0	11.0	11.0	44.2
18:00-19:00 HOURS	11.6	11.3	11.3	11.3	45.5
19:00-20:00 HOURS	11.5	11.3	11.3	11.3	45.4
20:00-21:00 HOURS	11.5	11.1	11.1	11.1	44.8
21:00-22:00 HOURS	11.3	11.3	11.3	11.3	45.2
22:00-23:00 HOURS	11.2	11.2	11.2	11.2	44.8
23:00-00:00 HOURS	11.3	11.3	11.3	11.3	45.2
00:00-01:00 HOURS	11.3	11.3	11.3	11.3	45.2
01:00-02:00 HOURS	11.3	11.3	11.3	11.3	45.2
02:00-03:00 HOURS	11.3	11.3	11.3	11.3	45.2
03:00-04:00 HOURS	11.3	11.3	11.3	11.3	45.2
04:00-05:00 HOURS	11.3	11.3	11.3	11.3	45.2
05:00-06:00 HOURS	11.3	11.3	11.3	11.3	45.2
06:00-07:00 HOURS	11.3	11.3	11.3	11.3	45.2
07:00-08:00 HOURS	11.3	11.3	11.3	11.3	45.2
08:00-09:00 HOURS	11.3	11.3	11.3	11.3	45.2
09:00-10:00 HOURS	11.3	11.3	11.3	11.3	45.2
10:00-11:00 HOURS	11.3	11.3	11.3	11.3	45.2
11:00-12:00 HOURS	11.3	11.3	11.3	11.3	45.2
12:00-13:00 HOURS	11.3	11.3	11.3	11.3	45.2
13:00-14:00 HOURS	11.3	11.3	11.3	11.3	45.2
14:00-15:00 HOURS	11.3	11.3	11.3	11.3	45.2
15:00-16:00 HOURS	11.3	11.3	11.3	11.3	45.2
16:00-17:00 HOURS	11.3	11.3	11.3	11.3	45.2
17:00-18:00 HOURS	11.3	11.3	11.3	11.3	45.2
18:00-19:00 HOURS	11.3	11.3	11.3	11.3	45.2
19:00-20:00 HOURS	11.3	11.3	11.3	11.3	45.2
20:00-21:00 HOURS	11.3	11.3	11.3	11.3	45.2
21:00-22:00 HOURS	11.3	11.3	11.3	11.3	45.2
22:00-23:00 HOURS	11.3	11.3	11.3	11.3	45.2
23:00-00:00 HOURS	11.3	11.3	11.3	11.3	45.2
00:00-01:00 HOURS	11.3	11.3	11.3	11.3	45.2
01:00-02:00 HOURS	11.3	11.3	11.3	11.3	45.2
02:00-03:00 HOURS	11.3	11.3	11.3	11.3	45.2
03:00-04:00 HOURS	11.3	11.3	11.3	11.3	45.2
04:00-05:00 HOURS	11.3	11.3	11.3	11.3	45.2
05:00-06:00 HOURS	11.3	11.3	11.3	11.3	45.2
06:00-07:00 HOURS	11.3	11.3	11.3	11.3	45.2
07:00-08:00 HOURS	11.3	11.3	11.3	11.3	45.2
08:00-09:00 HOURS	11.3	11.3	11.3	11.3	45.2
09:00-10:00 HOURS	11.3	11.3	11.3	11.3	45.2
10:00-11:00 HOURS	11.3	11.3	11.3	11.3	45.2
11:00-12:00 HOURS	11.3	11.3	11.3	11.3	45.2

- INDICATED TO PARTIALLY COPY ANALYSIS REPORT PRIOR TO WRITTEN PERMISSION BY THE LABORATORY.
- THIS ANALYSIS REPORT APPROVED ONLY FOR SUBMITTED SAMPLE.



# RESULT

WEST FENCE OF PLANT  
 FEBRUARY 3-6, 2023  
 T25A2303-0507

TIME*	TIME	TIME	TIME
07:00-08:00 HOURS	07:00	07:00	07:00
08:00-09:00 HOURS	08:00	08:00	08:00
09:00-10:00 HOURS	09:00	09:00	09:00
10:00-11:00 HOURS	10:00	10:00	10:00
11:00-12:00 HOURS	11:00	11:00	11:00
12:00-13:00 HOURS	12:00	12:00	12:00
13:00-14:00 HOURS	13:00	13:00	13:00
14:00-15:00 HOURS	14:00	14:00	14:00
15:00-16:00 HOURS	15:00	15:00	15:00
16:00-17:00 HOURS	16:00	16:00	16:00
17:00-18:00 HOURS	17:00	17:00	17:00
18:00-19:00 HOURS	18:00	18:00	18:00
19:00-20:00 HOURS	19:00	19:00	19:00
20:00-21:00 HOURS	20:00	20:00	20:00
21:00-22:00 HOURS	21:00	21:00	21:00
22:00-23:00 HOURS	22:00	22:00	22:00
23:00-00:00 HOURS	23:00	23:00	23:00
00:00-01:00 HOURS	00:00	00:00	00:00
01:00-02:00 HOURS	01:00	01:00	01:00
02:00-03:00 HOURS	02:00	02:00	02:00
03:00-04:00 HOURS	03:00	03:00	03:00
04:00-05:00 HOURS	04:00	04:00	04:00
05:00-06:00 HOURS	05:00	05:00	05:00
06:00-07:00 HOURS	06:00	06:00	06:00
UNIT			
00-2			
dB(A)			

# ANALYSIS REPORT

CUSTOMER NAME: THE POWER POINT PUBLIC COMPANY LIMITED  
 ADDRESS: 230 POC'S HIGHWAY ROAD THERMOPOLIS, SARABUT 12345  
 CONTACT INFORMATION: TEL: (02) 0000-0000, 0-0000-0000, 0000-0000-0000  
 MEASURING PLACE: WEST FENCE OF PLANT  
 MEASURING TYPE: AMBIENT (ACN)  
 MEASURING DATE: FEBRUARY 3-6, 2023  
 MEASURING TIME: 00:00-00:00  
 MEASURING EQUIPMENT: INTERDIGITAL SOUND LEVEL METER  
 MEASURED BY: MR. NIKHAT KHAMPHAN

RECEIVED DATE: FEBRUARY 3-6, 2023  
 ANALYTICAL DATE: FEBRUARY 3-6, 2023  
 REPORT DATE: FEBRUARY 26, 2023  
 REPORT NO.: JET-002274  
 WORK NO.: 2023-02282  
 ANALYSIS NO.: T25A2303-0507

REPORT  
 WEST FENCE OF PLANT  
 FEBRUARY 3-6, 2023  
 T25A2303-0507

TIME*	TIME	TIME	TIME
07:00-08:00 HOURS	07:00	07:00	07:00
08:00-09:00 HOURS	08:00	08:00	08:00
09:00-10:00 HOURS	09:00	09:00	09:00
10:00-11:00 HOURS	10:00	10:00	10:00
11:00-12:00 HOURS	11:00	11:00	11:00
12:00-13:00 HOURS	12:00	12:00	12:00
13:00-14:00 HOURS	13:00	13:00	13:00
14:00-15:00 HOURS	14:00	14:00	14:00
15:00-16:00 HOURS	15:00	15:00	15:00
16:00-17:00 HOURS	16:00	16:00	16:00
17:00-18:00 HOURS	17:00	17:00	17:00
18:00-19:00 HOURS	18:00	18:00	18:00
19:00-20:00 HOURS	19:00	19:00	19:00
20:00-21:00 HOURS	20:00	20:00	20:00
21:00-22:00 HOURS	21:00	21:00	21:00
22:00-23:00 HOURS	22:00	22:00	22:00
23:00-00:00 HOURS	23:00	23:00	23:00
00:00-01:00 HOURS	00:00	00:00	00:00
01:00-02:00 HOURS	01:00	01:00	01:00
02:00-03:00 HOURS	02:00	02:00	02:00
03:00-04:00 HOURS	03:00	03:00	03:00
04:00-05:00 HOURS	04:00	04:00	04:00
05:00-06:00 HOURS	05:00	05:00	05:00
06:00-07:00 HOURS	06:00	06:00	06:00
UNIT			
00-2			
dB(A)			



[illegible][illegible]

\* NOT SUBMITTED TO PARTIAL COPY ANALYSIS REPORT PRIOR TO WRITTEN PERMISSION BY THE LABORATORY.

TIME	RESULT	WEST FORCE OF PLANT	FEBRUARY 6-JUL 2018	T238AD243 0802
07:00:00.000 403.8	63.3	83.0	81.1	70.2
08:00:00.000 403.8	62.5	88.8	86.2	72.2
09:00:00.000 403.8	62.4	89.3	84.8	72.2
10:00:00.000 403.8	68.3	88.4	82.0	73.2
11:00:00.000 403.8	68.8	86.0	81.4	73.3
12:00:00.000 403.8	65.1	86.1	84.6	72.8
13:00:00.000 403.8	63.2	82.8	81.0	72.8
14:00:00.000 403.8	63.3	89.0	81.4	72.3
15:00:00.000 403.8	62.4	81.2	84.2	82.8
16:00:00.000 403.8	63.5	83.0	84.8	72.3
17:00:00.000 403.8	66.4	83.4	82.1	72.4
18:00:00.000 403.8	62.5	86.8	80.1	72.4
19:00:00.000 403.8	62.7	83.5	80.4	71.4
20:00:00.000 403.8	62.5	81.4	80.2	70.4
21:00:00.000 403.8	66.5	82.4	80.6	72.4
22:00:00.000 403.8	64.8	83.8	80.5	72.2
23:00:00.000 403.8	66.2	84.1	86.2	72.2
01:00:00.000 403.8	61.7	82.8	84.1	72.1
02:00:00.000 403.8	62.7	88.8	84.2	72.1
03:00:00.000 403.8	62.5	88.4	83.5	72.8
04:00:00.000 403.8	64.5	88.3	85.5	71.8
05:00:00.000 403.8	66.4	81.8	85.3	71.8
06:00:00.000 403.8	66.3	87.2	88.0	72.0
07:00:00.000 403.8	62.3	81.2	80.2	71.8
08:00:00.000 403.8	62.3	81.2	88.3	71.8
09:00:00.000 403.8	62.3	81.2	88.3	71.8
10:00:00.000 403.8	62.3	81.2	88.3	71.8
11:00:00.000 403.8	62.3	81.2	88.3	71.8
12:00:00.000 403.8	62.3	81.2	88.3	71.8
13:00:00.000 403.8	62.3	81.2	88.3	71.8
14:00:00.000 403.8	62.3	81.2	88.3	71.8
15:00:00.000 403.8	62.3	81.2	88.3	71.8
16:00:00.000 403.8	62.3	81.2	88.3	71.8
17:00:00.000 403.8	62.3	81.2	88.3	71.8
18:00:00.000 403.8	62.3	81.2	88.3	71.8
19:00:00.000 403.8	62.3	81.2	88.3	71.8
20:00:00.000 403.8	62.3	81.2	88.3	71.8
21:00:00.000 403.8	62.3	81.2	88.3	71.8
22:00:00.000 403.8	62.3	81.2	88.3	71.8
23:00:00.000 403.8	62.3	81.2	88.3	71.8
01:00:00.000 403.8	62.3	81.2	88.3	71.8
02:00:00.000 403.8	62.3	81.2	88.3	71.8
03:00:00.000 403.8	62.3	81.2	88.3	71.8
04:00:00.000 403.8	62.3	81.2	88.3	71.8
05:00:00.000 403.8	62.3	81.2	88.3	71.8
06:00:00.000 403.8	62.3	81.2	88.3	71.8
07:00:00.000 403.8	62.3	81.2	88.3	71.8
08:00:00.000 403.8	62.3	81.2	88.3	71.8
09:00:00.000 403.8	62.3	81.2	88.3	71.8
10:00:00.000 403.8	62.3	81.2	88.3	71.8
11:00:00.000 403.8	62.3	81.2	88.3	71.8
12:00:00.000 403.8	62.3	81.2	88.3	71.8
13:00:00.000 403.8	62.3	81.2	88.3	71.8
14:00:00.000 403.8	62.3	81.2	88.3	71.8
15:00:00.000 403.8	62.3	81.2	88.3	71.8
16:00:00.000 403.8	62.3	81.2	88.3	71.8
17:00:00.000 403.8	62.3			

1000

\* SUBMITTED: (1) PARTIAL COPY ANALYSIS REPORT PRIOR TO WRITING PERMISSION BY THE LABORATORY.  
\* THIS ANALYSIS REPORT APPLICABLE ONLY FOR SUBMITTED SAMPLES.

[illegible]

TIME	RESULT	WHIP FENCE OF PLANT	FEBRUARY 11-13, 2020
		13340381-0000	
00:00-00:05 FCLB	57.4	57.4	57.4
00:05-00:10 FCLB	66.9	66.9	66.9
00:10-00:15 FCLB	67.3	66.8	66.8
00:15-00:20 FCLB	68.5	66.2	66.2
00:20-00:25 FCLB	67.9	65.9	65.9
00:25-00:30 FCLB	67.3	66.2	66.2
00:30-00:35 FCLB	66.8	66.8	66.8
00:35-00:40 FCLB	67.9	66.2	66.2
00:40-00:45 FCLB	67.4	66.2	66.2
00:45-00:50 FCLB	66.7	66.2	66.2
00:50-00:55 FCLB	67.3	66.2	66.2
00:55-01:00 FCLB	66.3	66.2	66.2
01:00-01:05 FCLB	66.3	66.2	66.2
01:05-01:10 FCLB	66.3	66.2	66.2
01:10-01:15 FCLB	66.3	66.2	66.2
01:15-01:20 FCLB	66.3	66.2	66.2
01:20-01:25 FCLB	66.3	66.2	66.2
01:25-01:30 FCLB	66.3	66.2	66.2
01:30-01:35 FCLB	66.3	66.2	66.2
01:35-01:40 FCLB	66.3	66.2	66.2
01:40-01:45 FCLB	66.3	66.2	66.2
01:45-01:50 FCLB	66.3	66.2	66.2
01:50-01:55 FCLB	66.3	66.2	66.2
01:55-02:00 FCLB	66.3	66.2	66.2
02:00-02:05 FCLB	66.3	66.2	66.2
02:05-02:10 FCLB	66.3	66.2	66.2
02:10-02:15 FCLB	66.3	66.2	66.2
02:15-02:20 FCLB	66.3	66.2	66.2
02:20-02:25 FCLB	66.3	66.2	66.2
02:25-02:30 FCLB	66.3	66.2	66.2
02:30-02:35 FCLB	66.3	66.2	66.2
02:35-02:40 FCLB	66.3	66.2	66.2
02:40-02:45 FCLB	66.3	66.2	66.2
02:45-02:50 FCLB	66.3	66.2	66.2
02:50-02:55 FCLB	66.3	66.2	66.2
02:55-03:00 FCLB	66.3	66.2	66.2
03:00-03:05 FCLB	66.3	66.2	66.2
03:05-03:10 FCLB	66.3	66.2	66.2
03:10-03:15 FCLB	66.3	66.2	66.2
03:15-03:20 FCLB	66.3	66.2	66.2
03:20-03:25 FCLB	66.3	66.2	66.2
03:25-03:30 FCLB	66.3	66.2	66.2
03:30-03:35 FCLB	66.3	66.2	66.2
03:35-03:40 FCLB	66.3	66.2	66.2
03:40-03:45 FCLB	66.3	66.2	66.2
03:45-03:50 FCLB	66.3	66.2	66.2
03:50-03:55 FCLB	66.3	66.2	66.2
03:55-04:00 FCLB	66.3	66.2	66.2
04:00-04:05 FCLB	66.3	66.2	66.2
04:05-04:10 FCLB	66.3	66.2	66.2
04:10-04:15 FCLB	66.3	66.2	66.2
04:15-04:20 FCLB	66.3	66.2	66.2
04:20-04:25 FCLB	66.3	66.2	66.2
04:25-04:30 FCLB	66.3	66.2	66.2
04:30-04:35 FCLB	66.3	66.2	66.2
04:35-04:40 FCLB	66.3	66.2	66.2
04:40-04:45 FCLB	66.3	66.2	66.2
04:45-04:50 FCLB	66.3	66.2	66.2
04:50-04:55 FCLB	66.3	66.2	66.2
04:55-05:00 FCLB	66.3	66.2	66.2
05:00-05:05 FCLB	66.3	66.2	66.2
05:05-05:10 FCLB	66.3	66.2	66.2
05:10-05:15 FCLB	66.3	66.2	66.2
05:15-05:20 FCLB	66.3	66.2	66.2
05:20-05:25 FCLB	66.3	66.2	66.2
05:25-05:30 FCLB	66.3	66.2	66.2
05:30-05:35 FCLB	66.3	66.2	66.2
05:35-05:40 FCLB	66.3	66.2	66.2
05:40-05:45 FCLB	66.3	66.2	66.2
05:45-05:50 FCLB	66.3	66.2	66.2



ภาคผนวก ค-3  
ผลการติดตามตรวจสอบคุณภาพน้ำทิ้ง/น้ำผิวดิน









## ANALYSIS REPORT

**CUSTOMER NAME** : TPI POLENE PUBLIC COMPANY LIMITED  
**ADDRESS** : 299 MOO 5 MITRAPARP ROAD MITTRAPHAP TABKWANG KAENGKOI SARABURI 18260  
**CONTACT INFORMATION** : TEL : 06 4294 9161 e-mail : Chod.pa@tpipolene.co.th  
**SAMPLING SOURCE** : BEFORE TRIANGULAR POND  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : FEBRUARY 18, 2025  
**SAMPLING TIME** : 09:46 HOUR  
**SAMPLING METHOD** : GRAB  
**SAMPLING BY** : MR ACHITA SAENGJAN  
**ANALYZED BY** : MISS NAPAPORN KHUNNOKKHUM  
**RECEIVED DATE** : FEBRUARY 19, 2025  
**ANALYTICAL DATE** : FEBRUARY 19-28, 2025  
**ISSUE DATE** : MARCH 6, 2025  
**REPORT NO.** : 2025-U018354  
**WORK NO.** : 2024-011014  
**ANALYSIS NO.** : T25AD421-0007

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			EFFLUENT T25AD421-0007			
pH <sup>a</sup>	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H <sup>+</sup> B AND 1060 B	8.0 (29.0°C)	5.5-9.0	-	-
TEMPERATURE <sup>c</sup>	°C	LABORATORY AND FIELD METHODS (SM: PART 2550 B)	29.0	≤ 40	-	-
RESIDUAL CHLORINE <sup>c</sup>	mg/L Cl <sub>2</sub>	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1	-
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	14.9	≤ 50	-	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	DRIED AT 180 °C (SM: PART 2540 C)	1,209	≤ 3,000	-	25
PHOSPHATE <sup>c</sup>	mg/L PO <sub>4</sub> <sup>3-</sup>	ASCORBIC ACID METHOD (SM: PART 4500-P E)	0.34	-	0.03	0.15
<b>SAMPLE CONDITION</b>						
WATER'S COLOUR/TURBID			YELLOW/CLEAR			
SEDIMENT			BROWN			

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT NOT IN SCOPE OF ACCREDITATION

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24<sup>th</sup> EDITION, 2023.

REGULATORY STANDARD : INDUSTRIAL EFFLUENT STANDARDS, NOTIFICATION OF THE MINISTRY OF INDUSTRY, B.E. 2560,  
PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 134, PART 153 D, DATED JUNE 7, 2017

ND : NOT DETECTED.

*Piyapat S.*

(MRS PIYAPAT SUTTAMANUTWONG)  
LABORATORY SUPERVISOR





## ANALYSIS REPORT

**CUSTOMER NAME** : TRI POLYMER PUBLIC COMPANY LIMITED  
**ADDRESS** : 299 MOO 5 MITRAHARU ROAD MITRAHARU TAMBONG KAENGKOE SARABURI 18260  
**CONTACT INFORMATION** : TEL : 06 4294 9161 E-mail : Chod.pa@tripolymer.co.th  
**SAMPLING SOURCE** : BEFORE TRIANGULAR POND  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : MAY 21, 2025  
**SAMPLING TIME** : 09:10 HOUR  
**SAMPLING METHOD** : GRAB  
**SAMPLING BY** : MR. ACHITA SAENGJAN  
**ANALYZED BY** : MISS. NAPAPORN KHUNNOKKHUM  
**RECEIVED DATE** : MAY 22, 2025  
**ANALYTICAL DATE** : MAY 22-27, 2025  
**ISSUE DATE** : JUNE 10, 2025  
**REPORT NO.** : 2025-U05101R  
**WORK NO.** : 2024-011014  
**ANALYSIS NO.** : T25AK942-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			EFFLUENT T25AK942-0004			
pH <sup>a</sup>	-	ELECTROMETRIC METHOD (AT SITE) SM- PART 4500-H <sup>+</sup> B AND 1000 B	8.5 (31.0°C)	5.5-9.0	-	-
TEMPERATURE <sup>a</sup>	°C	LABORATORY AND FIELD METHODS (SM- PART 2500 B)	31.0	≤ 40	-	-
RESIDUAL CHLORINE <sup>a</sup>	mg/L Cl <sub>2</sub>	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1	-
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	DRIED FROM 103 TO 105 °C (SM- PART 2540 D)	14.8	≤ 10	-	0.0
TOTAL DISSOLVED SOLIDS <sup>a</sup>	mg/L	DRIED AT 180 °C (SM- PART 2540 C)	736	≤ 3,000	-	25
PHOSPHATE <sup>a</sup>	mg/L PO <sub>4</sub> <sup>3-</sup>	ASCORBIC ACID METHOD (SM- PART 4500-P E)	≤ 0.15	-	0.03	0.15
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID GREEN			

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT NOT IN SCOPE OF ACCREDITATION

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24<sup>TH</sup> EDITION, 2023.

REGULATORY STANDARD : INDUSTRIAL EFFLUENT STANDARDS, NOTIFICATION OF THE MINISTRY OF INDUSTRY, B.E. 2560,  
PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE VOL 134, PART 153 D, DATED JUNE 7, 2017.

ND : NOT DETECTED.

*Wibulak Srisuk*

(MISS WILAILAK SRISUK)  
LABORATORY SUPERVISOR

















PARAMETER	UNIT	METHOD OF ANALYSIS	REGULATORY STANDARD	RECEIVED DATE	ANALYTICAL DATE	ISSUE DATE	REPORT NO.	WORK NO.	ANALYST NO.
ANALYST	mg/L	PHOTOMETRIC METHOD (SPECTROPHOTOMETER)	1000	10/05/25	10/05/25	10/05/25	10/05/25	10/05/25	10/05/25
ANALYST	mg/L	PHOTOMETRIC METHOD (SPECTROPHOTOMETER)	1000	10/05/25	10/05/25	10/05/25	10/05/25	10/05/25	10/05/25
ANALYST	mg/L	PHOTOMETRIC METHOD (SPECTROPHOTOMETER)	1000	10/05/25	10/05/25	10/05/25	10/05/25	10/05/25	10/05/25
ANALYST	mg/L	PHOTOMETRIC METHOD (SPECTROPHOTOMETER)	1000	10/05/25	10/05/25	10/05/25	10/05/25	10/05/25	10/05/25
ANALYST	mg/L	PHOTOMETRIC METHOD (SPECTROPHOTOMETER)	1000	10/05/25	10/05/25	10/05/25	10/05/25	10/05/25	10/05/25
ANALYST	mg/L	PHOTOMETRIC METHOD (SPECTROPHOTOMETER)	1000	10/05/25	10/05/25	10/05/25	10/05/25	10/05/25	10/05/25
ANALYST	mg/L	PHOTOMETRIC METHOD (SPECTROPHOTOMETER)	1000	10/05/25	10/05/25	10/05/25	10/05/25	10/05/25	10/05/25
ANALYST	mg/L	PHOTOMETRIC METHOD (SPECTROPHOTOMETER)	1000	10/05/25	10/05/25	10/05/25	10/05/25	10/05/25	10/05/25
ANALYST	mg/L	PHOTOMETRIC METHOD (SPECTROPHOTOMETER)	1000	10/05/25	10/05/25	10/05/25	10/05/25	10/05/25	10/05/25
ANALYST	mg/L	PHOTOMETRIC METHOD (SPECTROPHOTOMETER)	1000	10/05/25	10/05/25	10/05/25	10/05/25	10/05/25	10/05/25

PARAMETER	UNIT	METHOD OF ANALYSIS	RECEIVED DATE	ANALYTICAL DATE	ISSUE DATE	REPORT NO.	WORK NO.	ANALYST NO.
ANALYST	mg/L	PHOTOMETRIC METHOD (SPECTROPHOTOMETER)	10/05/25	10/05/25	10/05/25	10/05/25	10/05/25	10/05/25
ANALYST	mg/L	PHOTOMETRIC METHOD (SPECTROPHOTOMETER)	10/05/25	10/05/25	10/05/25	10/05/25	10/05/25	10/05/25
ANALYST	mg/L	PHOTOMETRIC METHOD (SPECTROPHOTOMETER)	10/05/25	10/05/25	10/05/25	10/05/25	10/05/25	10/05/25
ANALYST	mg/L	PHOTOMETRIC METHOD (SPECTROPHOTOMETER)	10/05/25	10/05/25	10/05/25	10/05/25	10/05/25	10/05/25
ANALYST	mg/L	PHOTOMETRIC METHOD (SPECTROPHOTOMETER)	10/05/25	10/05/25	10/05/25	10/05/25	10/05/25	10/05/25
ANALYST	mg/L	PHOTOMETRIC METHOD (SPECTROPHOTOMETER)	10/05/25	10/05/25	10/05/25	10/05/25	10/05/25	10/05/25
ANALYST	mg/L	PHOTOMETRIC METHOD (SPECTROPHOTOMETER)	10/05/25	10/05/25	10/05/25	10/05/25	10/05/25	10/05/25
ANALYST	mg/L	PHOTOMETRIC METHOD (SPECTROPHOTOMETER)	10/05/25	10/05/25	10/05/25	10/05/25	10/05/25	10/05/25
ANALYST	mg/L	PHOTOMETRIC METHOD (SPECTROPHOTOMETER)	10/05/25	10/05/25	10/05/25	10/05/25	10/05/25	10/05/25
ANALYST	mg/L	PHOTOMETRIC METHOD (SPECTROPHOTOMETER)	10/05/25	10/05/25	10/05/25	10/05/25	10/05/25	10/05/25







ภาคผนวก ค-4  
ผลการติดตามตรวจสอบ  
ด้านอาชีวอนามัยและความปลอดภัย







THE PUBLIC PUBLIC CH. 111.  
 2010 DECEMBER  
 CONSTRUCTION - WATER RESOURCES  
 THE PUBLIC CH. 111.  
 2010 DECEMBER

Topic	Year	Location	Measuring Unit	Priority
Water resources	2010	Water Resources	10.1	10.1
		Water Resources	10.2	10.2
		Water Resources	10.3	10.3
		Water Resources	10.4	10.4
		Water Resources	10.5	10.5
		Water Resources	10.6	10.6
		Water Resources	10.7	10.7
		Water Resources	10.8	10.8
		Water Resources	10.9	10.9
		Water Resources	11.0	11.0
		Water Resources	11.1	11.1
		Water Resources	11.2	11.2
		Water Resources	11.3	11.3
		Water Resources	11.4	11.4
		Water Resources	11.5	11.5
		Water Resources	11.6	11.6
		Water Resources	11.7	11.7
		Water Resources	11.8	11.8
		Water Resources	11.9	11.9
		Water Resources	12.0	12.0

Water resources are the most important and the most vulnerable of the natural resources. They are the basis for the development of the economy and the well-being of the population. The water resources are the most important and the most vulnerable of the natural resources. They are the basis for the development of the economy and the well-being of the population.

Water resources are the most important and the most vulnerable of the natural resources. They are the basis for the development of the economy and the well-being of the population. The water resources are the most important and the most vulnerable of the natural resources. They are the basis for the development of the economy and the well-being of the population.

Water resources	Water resources	Water resources
Water resources	Water resources	Water resources
Water resources	Water resources	Water resources

THE PUBLIC PUBLIC CH. 111.  
 2010 DECEMBER  
 CONSTRUCTION - WATER RESOURCES  
 THE PUBLIC CH. 111.  
 2010 DECEMBER

Topic	Year	Location	Measuring Unit	Priority
Water resources	2010	Water Resources	10.1	10.1
		Water Resources	10.2	10.2
		Water Resources	10.3	10.3
		Water Resources	10.4	10.4
		Water Resources	10.5	10.5
		Water Resources	10.6	10.6
		Water Resources	10.7	10.7
		Water Resources	10.8	10.8
		Water Resources	10.9	10.9
		Water Resources	11.0	11.0
		Water Resources	11.1	11.1
		Water Resources	11.2	11.2
		Water Resources	11.3	11.3
		Water Resources	11.4	11.4
		Water Resources	11.5	11.5
		Water Resources	11.6	11.6
		Water Resources	11.7	11.7
		Water Resources	11.8	11.8
		Water Resources	11.9	11.9
		Water Resources	12.0	12.0

Water resources are the most important and the most vulnerable of the natural resources. They are the basis for the development of the economy and the well-being of the population. The water resources are the most important and the most vulnerable of the natural resources. They are the basis for the development of the economy and the well-being of the population.

Water resources are the most important and the most vulnerable of the natural resources. They are the basis for the development of the economy and the well-being of the population. The water resources are the most important and the most vulnerable of the natural resources. They are the basis for the development of the economy and the well-being of the population.

Water resources are the most important and the most vulnerable of the natural resources. They are the basis for the development of the economy and the well-being of the population. The water resources are the most important and the most vulnerable of the natural resources. They are the basis for the development of the economy and the well-being of the population.

Water resources	Water resources	Water resources
Water resources	Water resources	Water resources
Water resources	Water resources	Water resources













THE HILLTOP PUBLIC CO., LTD.  
 500 HILLTOP DRIVE  
 KNOXVILLE, TN 37912  
 TEL: 615-595-1234

Topic	Sub-Topic	Location	Meeting Date	Remarks
Board of Directors Meeting	Regular Meeting	1. Board of Directors	10/1/2024	10/1/2024
		2. Board of Directors	10/1/2024	10/1/2024
		3. Board of Directors	10/1/2024	10/1/2024
		4. Board of Directors	10/1/2024	10/1/2024
		5. Board of Directors	10/1/2024	10/1/2024
		6. Board of Directors	10/1/2024	10/1/2024
		7. Board of Directors	10/1/2024	10/1/2024
		8. Board of Directors	10/1/2024	10/1/2024
		9. Board of Directors	10/1/2024	10/1/2024
		10. Board of Directors	10/1/2024	10/1/2024
		11. Board of Directors	10/1/2024	10/1/2024
		12. Board of Directors	10/1/2024	10/1/2024
		13. Board of Directors	10/1/2024	10/1/2024
		14. Board of Directors	10/1/2024	10/1/2024
		15. Board of Directors	10/1/2024	10/1/2024
		16. Board of Directors	10/1/2024	10/1/2024
		17. Board of Directors	10/1/2024	10/1/2024
		18. Board of Directors	10/1/2024	10/1/2024
		19. Board of Directors	10/1/2024	10/1/2024
		20. Board of Directors	10/1/2024	10/1/2024
		21. Board of Directors	10/1/2024	10/1/2024
		22. Board of Directors	10/1/2024	10/1/2024
		23. Board of Directors	10/1/2024	10/1/2024
		24. Board of Directors	10/1/2024	10/1/2024
		25. Board of Directors	10/1/2024	10/1/2024
		26. Board of Directors	10/1/2024	10/1/2024
		27. Board of Directors	10/1/2024	10/1/2024
		28. Board of Directors	10/1/2024	10/1/2024
		29. Board of Directors	10/1/2024	10/1/2024
		30. Board of Directors	10/1/2024	10/1/2024

Meeting: 10/1/2024  
 Agenda: 1. Board of Directors  
 2. Board of Directors  
 3. Board of Directors  
 4. Board of Directors  
 5. Board of Directors  
 6. Board of Directors  
 7. Board of Directors  
 8. Board of Directors  
 9. Board of Directors  
 10. Board of Directors  
 11. Board of Directors  
 12. Board of Directors  
 13. Board of Directors  
 14. Board of Directors  
 15. Board of Directors  
 16. Board of Directors  
 17. Board of Directors  
 18. Board of Directors  
 19. Board of Directors  
 20. Board of Directors  
 21. Board of Directors  
 22. Board of Directors  
 23. Board of Directors  
 24. Board of Directors  
 25. Board of Directors  
 26. Board of Directors  
 27. Board of Directors  
 28. Board of Directors  
 29. Board of Directors  
 30. Board of Directors

Approved by: [Signature] Date: 10/1/2024	Approved by: [Signature] Date: 10/1/2024
--	--



☐ **Standard** ☐ **Special** ☐ **Advanced**

**Project Name:** \_\_\_\_\_ **Project Number:** \_\_\_\_\_ **Project Date:** \_\_\_\_\_

**Project Description:** \_\_\_\_\_

**Project Objectives:** \_\_\_\_\_

**Project Scope:** \_\_\_\_\_

**Project Budget:** \_\_\_\_\_

**Project Status:** \_\_\_\_\_

**Project Manager:** \_\_\_\_\_

**Project Sponsor:** \_\_\_\_\_

**Project Stakeholders:** \_\_\_\_\_

**Project Risks:** \_\_\_\_\_

**Project Issues:** \_\_\_\_\_

**Project Deliverables:** \_\_\_\_\_

**Project Milestones:** \_\_\_\_\_

**Project Timeline:** \_\_\_\_\_

**Project Summary:** \_\_\_\_\_

**Project Conclusion:** \_\_\_\_\_

**Project Sign-off:** \_\_\_\_\_

☐ **معلومات عامة** ☐ **معلومات إضافية** ☐ **معلومات أخرى**

**الاسم:**  **اللقب:**  **الجنس:**  **تاريخ الميلاد:**  **مكان الميلاد:**

**الهوية:**  **الجنسية:**  **الديانة:**

**الوظيفة:**  **الدرجة:**  **القطاع:**

**البريد الإلكتروني:**  **الهاتف:**  **الفاكس:**

**الصور:**  **الوثائق:**  **المراسلة:**

**ملاحظات:**

[illegible][illegible]

☐ **additions** ☐ **deletions** ☐ **changes** ☐ **revisions**

subject: **Computer Science** **Unit 1: Introduction to Computer Science** **Lesson 1: The History of Computing**

date: **10/10/2023** **Page 1 of 1**

Line	Description	Amount	Balance
1	Opening Balance	0.00	0.00
2	Less: Opening Balance	0.00	0.00
3	Less: Opening Balance	0.00	0.00
4	Less: Opening Balance	0.00	0.00
5	Less: Opening Balance	0.00	0.00
6	Less: Opening Balance	0.00	0.00
7	Less: Opening Balance	0.00	0.00
8	Less: Opening Balance	0.00	0.00
9	Less: Opening Balance	0.00	0.00
10	Less: Opening Balance	0.00	0.00
11	Less: Opening Balance	0.00	0.00
12	Less: Opening Balance	0.00	0.00
13	Less: Opening Balance	0.00	0.00
14	Less: Opening Balance	0.00	0.00
15	Less: Opening Balance	0.00	0.00
16	Less: Opening Balance	0.00	0.00
17	Less: Opening Balance	0.00	0.00
18	Less: Opening Balance	0.00	0.00
19	Less: Opening Balance	0.00	0.00
20	Less: Opening Balance	0.00	0.00
21	Less: Opening Balance	0.00	0.00
22	Less: Opening Balance	0.00	0.00
23	Less: Opening Balance	0.00	0.00
24	Less: Opening Balance	0.00	0.00
25	Less: Opening Balance	0.00	0.00
26	Less: Opening Balance	0.00	0.00
27	Less: Opening Balance	0.00	0.00
28	Less: Opening Balance	0.00	0.00
29	Less: Opening Balance	0.00	0.00
30	Less: Opening Balance	0.00	0.00
31	Less: Opening Balance	0.00	0.00
32	Less: Opening Balance	0.00	0.00
33	Less: Opening Balance	0.00	0.00
34	Less: Opening Balance	0.00	0.00
35	Less: Opening Balance	0.00	0.00
36	Less: Opening Balance	0.00	0.00
37	Less: Opening Balance	0.00	0.00
38	Less: Opening Balance	0.00	0.00
39	Less: Opening Balance	0.00	0.00
40	Less: Opening Balance	0.00	0.00
41	Less: Opening Balance	0.00	0.00
42	Less: Opening Balance	0.00	0.00
43	Less: Opening Balance	0.00	0.00
44	Less: Opening Balance	0.00	0.00
45	Less: Opening Balance	0.00	0.00
46	Less: Opening Balance	0.00	0.00
47	Less: Opening Balance	0.00	0.00
48	Less: Opening Balance	0.00	0.00
49	Less: Opening Balance	0.00	0.00
50	Less: Opening Balance	0.00	0.00
51	Less: Opening Balance	0.00	0.00
52	Less: Opening Balance	0.00	0.00
53	Less: Opening Balance	0.00	0.00
54	Less: Opening Balance	0.00	0.00
55	Less: Opening Balance	0.00	0.00
56	Less: Opening Balance	0.00	0.00
57	Less: Opening Balance	0.00	0.00
58	Less: Opening Balance	0.00	0.00
59	Less: Opening Balance	0.00	0.00
60	Less: Opening Balance	0.00	0.00
61	Less: Opening Balance	0.00	0.00
62	Less: Opening Balance	0.00	0.00
63	Less: Opening Balance	0.00	0.00
64	Less: Opening Balance	0.00	0.00
65	Less: Opening Balance	0.00	0.00
66	Less: Opening Balance	0.00	0.00
67	Less: Opening Balance	0.00	0.00
68	Less: Opening Balance	0.00	0.00
69	Less: Opening Balance	0.00	0.00
70	Less: Opening Balance	0.00	0.00
71	Less: Opening Balance	0.00	0.00
72	Less: Opening Balance	0.00	0.00
73	Less: Opening Balance	0.00	0.00
74	Less: Opening Balance	0.00	0.00
75	Less: Opening Balance	0.00	0.00
76	Less: Opening Balance	0.00	0.00
77	Less: Opening Balance	0.00	0.00
78	Less: Opening Balance	0.00	0.00
79	Less: Opening Balance	0.00	0.00
80	Less: Opening Balance	0.00	0.00
81	Less: Opening Balance	0.00	0.00
82	Less: Opening Balance	0.00	0.00
83	Less: Opening Balance	0.00	0.00
84	Less: Opening Balance	0.00	0.00
85	Less: Opening Balance	0.00	0.00
86	Less: Opening Balance	0.00	0.00
87			

☐ **addition**      ☐ **subtraction**      ☐ **division**      ☐ **multiplication**

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Problem	Answer	Check
1. 12 + 34 =	46	<input type="checkbox"/>
2. 56 - 23 =	33	<input type="checkbox"/>
3. 89 ÷ 11 =	8 R 1	<input type="checkbox"/>
4. 15 × 4 =	60	<input type="checkbox"/>
5. 78 - 45 =	33	<input type="checkbox"/>
6. 23 + 56 =	79	<input type="checkbox"/>
7. 90 ÷ 10 =	9	<input type="checkbox"/>
8. 34 - 12 =	22	<input type="checkbox"/>
9. 67 × 2 =	134	<input type="checkbox"/>
10. 123 - 45 =	78	<input type="checkbox"/>
11. 456 ÷ 12 =	38 R 0	<input type="checkbox"/>
12. 789 - 234 =	555	<input type="checkbox"/>
13. 12 × 34 =	408	<input type="checkbox"/>
14. 567 - 89 =	478	<input type="checkbox"/>
15. 234 ÷ 13 =	18 R 0	<input type="checkbox"/>
16. 890 - 123 =	767	<input type="checkbox"/>
17. 15 × 25 =	375	<input type="checkbox"/>
18. 678 - 345 =	333	<input type="checkbox"/>
19. 901 ÷ 11 =	81 R 10	<input type="checkbox"/>
20. 345 - 67 =	278	<input type="checkbox"/>
21. 123 × 4 =	492	<input type="checkbox"/>
22. 789 - 456 =	333	<input type="checkbox"/>
23. 567 ÷ 14 =	40 R 7	<input type="checkbox"/>
24. 234 - 56 =	178	<input type="checkbox"/>
25. 890 × 3 =	2670	<input type="checkbox"/>
26. 1234 - 567 =	667	<input type="checkbox"/>
27. 456 ÷ 15 =	30 R 6	<input type="checkbox"/>
28. 789 - 123 =	666	<input type="checkbox"/>
29. 12 × 56 =	672	<input type="checkbox"/>
30. 678 - 234 =	444	<input type="checkbox"/>
31. 901 ÷ 17 =	53 R 0	<input type="checkbox"/>
32. 345 - 78 =	267	<input type="checkbox"/>
33. 123 × 6 =	738	<input type="checkbox"/>
34. 789 - 567 =	222	<input type="checkbox"/>
35. 567 ÷ 16 =	35 R 7	<input type="checkbox"/>
36. 234 - 89 =	145	<input type="checkbox"/>
37. 890 × 4 =	3560	<input type="checkbox"/>
38. 1234 - 678 =	556	<input type="checkbox"/>
39. 456 ÷ 18 =	25 R 12	<input type="checkbox"/>
40. 789 - 345 =	444	<input type="checkbox"/>
41. 12 × 67 =	804	<input type="checkbox"/>
42. 678 - 456 =	222	<input type="checkbox"/>
43. 901 ÷ 19 =	47 R 12	<input type="checkbox"/>
44. 345 - 123 =	222	<input type="checkbox"/>
45. 123 × 7 =	861	<input type="checkbox"/>
46. 789 - 678 =	111	<input type="checkbox"/>
47. 567 ÷ 20 =	28 R 7	<input type="checkbox"/>
48. 234 - 100 =	134	<input type="checkbox"/>
49. 890 × 5 =	4450	<input type="checkbox"/>
50. 1234 - 789 =	445	<input type="checkbox"/>
51. 456 ÷ 21 =	21 R 15	<input type="checkbox"/>
52. 789 - 567 =	222	<input type="checkbox"/>
53. 12 × 78 =	936	<input type="checkbox"/>
54. 678 - 567 =	111	<input type="checkbox"/>
55. 901 ÷ 22 =	40 R 9	<input type="checkbox"/>
56. 345 - 150 =	195	<input type="checkbox"/>
57. 123 × 8 =	984	<input type="checkbox"/>
58. 789 - 789 =	0	<input type="checkbox"/>
59. 567 ÷ 23 =	24 R 15	<input type="checkbox"/>
60. 234 - 120 =	114	<input type="checkbox"/>
61. 890 × 6 =	5340	<input type="checkbox"/>
62. 1234 - 890 =	344	<input type="checkbox"/>
63. 456 ÷ 24 =	19 R 12	<input type="checkbox"/>
64. 789 - 678 =	111	<input type="checkbox"/>
65. 12 × 89 =	1068	<input type="checkbox"/>
66. 678 - 789 =	-111	<input type="checkbox"/>
67. 901 ÷ 25 =	36 R 11	<input type="checkbox"/>
68. 345 - 200 =	145	<input type="checkbox"/>
69. 123 × 9 =	1107	<input type="checkbox"/>
70. 789 - 890 =	-101	<input type="checkbox"/>
71. 567 ÷ 26 =	21 R 21	<input type="checkbox"/>
72. 234 - 150 =	84	<input type="checkbox"/>
73. 890 × 7 =	6230	<input type="checkbox"/>
74. 1234 - 901 =	333	<input type="checkbox"/>
75. 456 ÷ 27 =	16 R 24	<input type="checkbox"/>
76. 789 - 789 =	0	<input type="checkbox"/>
77. 12 × 90 =	1080	<input type="checkbox"/>
78. 678 - 890 =	-212	<input type="checkbox"/>
79. 901 ÷ 28 =	32 R 5	<input type="checkbox"/>
80. 345 - 250 =	95	<input type="checkbox"/>
81. 123 × 10 =	1230	<input type="checkbox"/>
82. 789 - 901 =	-112	<input type="checkbox"/>
83. 567 ÷ 29 =	19 R 16	<input type="checkbox"/>
84. 234 - 200 =	34	<input type="checkbox"/>
85. 890 × 8 =	7120	<input type="checkbox"/>
86. 1234 - 1000 =	234	<input type="checkbox"/>
87. 456 ÷ 30 =	15 R 6	<input type="checkbox"/>
88. 789 - 890 =	-101	<input type="checkbox"/>

☐ **معلومات عامة** ☐ **معلومات شخصية** ☐ **معلومات مهنية** ☐ **معلومات أخرى**

**الاسم:**  **اللقب:**  **الجنس:** ☐ ذكر ☐ أنثى **تاريخ الميلاد:**  **مكان الميلاد:**

**الهوية:**  **الجنسية:**  **الديانة:**  **الحالة الاجتماعية:** ☐ متزوج ☐ أعزب ☐ أرمل ☐ مطلق

**معلومات مهنية:** **المهنة:**  **الدرجة:**  **القطاع:**

**معلومات أخرى:** **الهاتف:**  **البريد الإلكتروني:**  **العنوان:**

**ملاحظات:**

[illegible]



[illegible][illegible][illegible][illegible]





[illegible][illegible][illegible][illegible]





☐ **Individual** ☐ **Family** ☐ **Business** ☐ **Other**

Name: \_\_\_\_\_ Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Date of Birth: \_\_\_\_\_ Sex: \_\_\_\_\_  
 Marital Status: \_\_\_\_\_  
 Social Security Number: \_\_\_\_\_

Occupation: \_\_\_\_\_  
 Annual Income: \_\_\_\_\_  
 Estimated Tax: \_\_\_\_\_

Signature: \_\_\_\_\_  
 Date: \_\_\_\_\_

Declaration: I hereby declare that the information furnished herein is true and correct to the best of my knowledge and belief.

Signature: \_\_\_\_\_  
 Date: \_\_\_\_\_

[illegible][illegible][illegible]



Name		Address		City		State		Zip		Country		Telephone		Fax		E-mail		Web		Other	
Mr. J. K. Smith		123 Main St.		New York		NY		10001		USA		(212) 555-1234		(212) 555-5678		jksmith@ny.com		www.jksmith.com			
Mrs. A. B. Jones		456 Oak St.		Los Angeles		CA		90001		USA		(310) 555-9876		(310) 555-4321		abjones@ca.com		www.abjones.com			
Dr. C. D. Brown		789 Pine St.		Chicago		IL		60601		USA		(312) 555-2345		(312) 555-6789		cdbrown@il.com		www.cdbrown.com			
Mr. E. F. Green		101 Elm St.		Houston		TX		77001		USA		(713) 555-3456		(713) 555-7890		efgreen@tx.com		www.efgreen.com			
Ms. G. H. White		202 Maple St.		Phoenix		AZ		85001		USA		(602) 555-4567		(602) 555-8901		ghwhite@az.com		www.ghwhite.com			
Mr. I. J. Black		303 Cedar St.		San Antonio		TX		78101		USA		(214) 555-5678		(214) 555-9012		ijblack@tx.com		www.ijblack.com			
Mrs. K. L. Gray		404 Birch St.		Dallas		TX		75201		USA		(214) 555-6789		(214) 555-0123		klgray@tx.com		www.klgray.com			
Dr. M. N. Hall		505 Spruce St.		San Diego		CA		92101		USA		(619) 555-7890		(619) 555-1234		mnhall@ca.com		www.mnhall.com			
Mr. O. P. King		606 Ash St.		Austin		TX		78701		USA		(512) 555-8901		(512) 555-2345		opking@tx.com		www.opking.com			
Ms. Q. R. Lee		707 Hickory St.		Fort Worth		TX		76101		USA		(817) 555-9012		(817) 555-3456		qrllee@tx.com		www.qrllee.com			
Mr. S. T. Young		808 Walnut St.		Jacksonville		FL		32201		USA		(904) 555-0123		(904) 555-4567		styoung@fl.com		www.styoung.com			
Mrs. U. V. Wright		909 Chestnut St.		Nashville		TN		37201		USA		(615) 555-1234		(615) 555-5678		uvwright@tn.com		www.uvwright.com			
Dr. X. Y. Scott		1010 Peach St.		Memphis		TN		38101		USA		(901) 555-2345		(901) 555-6789		xyscott@tn.com		www.xyscott.com			
Mr. Z. A. Baker		1111 Apple St.		Little Rock		AR		72201		USA		(501) 555-3456		(501) 555-7890		zabaker@ar.com		www.zabaker.com			
Mrs. B. C. Adams		1212 Orange St.		Birmingham		AL		35201		USA		(205) 555-4567		(205) 555-8901		bcadams@al.com		www.bcadams.com			
Dr. D. E. Nelson		1313 Grape St.		Mobile		AL		36601		USA		(251) 555-5678		(251) 555-9012		denelson@al.com		www.denelson.com			
Mr. F. G. Mitchell		1414 Lemon St.		Tulsa		OK		74101		USA		(918) 555-6789		(918) 555-0123		fgmitchell@ok.com		www.fgmitchell.com			
Ms. H. I. Roberts		1515 Lime St.		Oklahoma City		OK		73101		USA		(405) 555-7890		(405) 555-1234		hiroberts@ok.com		www.hiroberts.com			
Mr. J. K. Turner		1616 Coffee St.		Lawton		OK		73001		USA		(405) 555-8901		(405) 555-2345		jkturner@ok.com		www.jkturner.com			
Mrs. L. M. Phillips		1717 Tea St.		Muskogee		OK		74401		USA		(918) 555-9012		(918) 555-3456		lmphillips@ok.com		www.lmphillips.com			
Dr. N. O. Campbell		1818 Butter St.		Ada		OK		73401		USA		(405) 555-0123		(405) 555-4567		nocampbell@ok.com		www.nocampbell.com			
Mr. P. Q. Evans		1919 Sugar St.		Okemuchee		OK		73801		USA		(405) 555-1234		(405) 555-5678		pqevans@ok.com		www.pqevans.com			
Mrs. R. S. Green		2020 Honey St.		Tulsa		OK		74101		USA		(918) 555-2345		(918) 555-6789		rsgreen@ok.com		www.rsgreen.com			
Dr. T. U. Baker		2121 Molasses St.		Tulsa		OK		74101		USA		(918) 555-3456		(918) 555-7890		tubaker@ok.com		www.tubaker.com			
Mr. V. W. Adams		2222 Maple St.																			

[illegible][illegible]

**THE ARABIAN BANK FOR INVESTMENT & COMMERCIAL BANKING**  
**بنك الاستثمار والتجارة العربي**

☐ **Branch**    ☐ **Head Office**    ☐ **Representative Office**

**Branch Name:** \_\_\_\_\_ **Branch Address:** \_\_\_\_\_

**Branch Phone:** \_\_\_\_\_ **Branch Fax:** \_\_\_\_\_

**Branch Email:** \_\_\_\_\_ **Branch Website:** \_\_\_\_\_

**Branch Manager:** \_\_\_\_\_ **Branch Manager Signature:** \_\_\_\_\_

**Branch Manager Stamp:** \_\_\_\_\_

**Branch Manager Title:** \_\_\_\_\_

**Branch Manager Address:** \_\_\_\_\_

**Branch Manager Phone:** \_\_\_\_\_ **Branch Manager Fax:** \_\_\_\_\_

**Branch Manager Email:** \_\_\_\_\_ **Branch Manager Website:** \_\_\_\_\_

**Branch Name:** \_\_\_\_\_ **Branch Address:** \_\_\_\_\_

**Branch Phone:** \_\_\_\_\_ **Branch Fax:** \_\_\_\_\_

**Branch Email:** \_\_\_\_\_ **Branch Website:** \_\_\_\_\_

**Branch Manager:** \_\_\_\_\_ **Branch Manager Signature:** \_\_\_\_\_

**Branch Manager Stamp:** \_\_\_\_\_

**Branch Manager Title:** \_\_\_\_\_

**Branch Manager Address:** \_\_\_\_\_

**Branch Manager Phone:** \_\_\_\_\_ **Branch Manager Fax:** \_\_\_\_\_

**Branch Manager Email:** \_\_\_\_\_ **Branch Manager Website:** \_\_\_\_\_

**Branch Name:** \_\_\_\_\_ **Branch Address:** \_\_\_\_\_

**Branch Phone:** \_\_\_\_\_ **Branch Fax:** \_\_\_\_\_

**Branch Email:** \_\_\_\_\_ **Branch Website:** \_\_\_\_\_

**Branch Manager:** \_\_\_\_\_ **Branch Manager Signature:** \_\_\_\_\_

**Branch Manager Stamp:** \_\_\_\_\_

**Branch Manager Title:** \_\_\_\_\_

**Branch Manager Address:** \_\_\_\_\_

**Branch Manager Phone:** \_\_\_\_\_ **Branch Manager Fax:** \_\_\_\_\_

**Branch Manager Email:** \_\_\_\_\_ **Branch Manager Website:** \_\_\_\_\_



[illegible][illegible]

**معلومات شخصية**

الاسم:  رقم الهوية:

الجنس: ☐ ذكر ☐ أنثى

تاريخ الميلاد:  تاريخ التسجيل:

اللقب:  رقم الهاتف:

البريد الإلكتروني:  العنوان:

**معلومات العمل**

الوظيفة:  القسم:

تاريخ التوظيف:  تاريخ الانتهاء:

الراتب:  المسمى الوظيفي:

الجهة المانحة:  رقم الترخيص:

**معلومات التعليم**

المؤهل:  الدرجة:

المؤسسة:  التاريخ:

المادة:  النتيجة:

المعلم:  الملاحظات:

**معلومات التدريب**

المدة:  الساعات:

المدة:  الساعات:

المدة:  الساعات:

المدة:  الساعات:

**معلومات الأداء**

الدرجة:  الملاحظات:

الدرجة:  الملاحظات:

الدرجة:  الملاحظات:

الدرجة:  الملاحظات:

**معلومات التقييم**

الدرجة:  الملاحظات:

الدرجة:  الملاحظات:

الدرجة:  الملاحظات:

الدرجة:  الملاحظات:

**INSTRUKSI**

1. Isilah data yang ada di atas ini dengan benar.

2. Isilah data yang ada di atas ini dengan benar.

3. Isilah data yang ada di atas ini dengan benar.

**DATA**

1. Isilah data yang ada di atas ini dengan benar.

2. Isilah data yang ada di atas ini dengan benar.

3. Isilah data yang ada di atas ini dengan benar.

**DATA**

1. Isilah data yang ada di atas ini dengan benar.

2. Isilah data yang ada di atas ini dengan benar.

3. Isilah data yang ada di atas ini dengan benar.

**DATA**

1. Isilah data yang ada di atas ini dengan benar.

2. Isilah data yang ada di atas ini dengan benar.

3. Isilah data yang ada di atas ini dengan benar.

☐ **Individual** ☐ **Company** ☐ **Partnership** ☐ **Trust** ☐ **Other**

**Name:** \_\_\_\_\_ **Address:** \_\_\_\_\_ **City:** \_\_\_\_\_ **State:** \_\_\_\_\_ **Zip:** \_\_\_\_\_

**Phone:** \_\_\_\_\_ **Fax:** \_\_\_\_\_ **E-mail:** \_\_\_\_\_

**Business Description:** \_\_\_\_\_

**Financial Information:** \_\_\_\_\_

**Other Information:** \_\_\_\_\_

**Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Witness:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Notary Public:** \_\_\_\_\_ **State:** \_\_\_\_\_ **Commission Expires:** \_\_\_\_\_

[illegible]

**STATE OF TEXAS**  
**DEPARTMENT OF TRANSPORTATION**  
**CONTRACT ADMINISTRATION SECTION**

Contract No. \_\_\_\_\_  
Project No. \_\_\_\_\_

Location: \_\_\_\_\_

Contractor: \_\_\_\_\_

Inspector: \_\_\_\_\_

Project Description: \_\_\_\_\_

Contract Value: \_\_\_\_\_

Contract Start Date: \_\_\_\_\_

Contract End Date: \_\_\_\_\_

**CONTRACT ADMINISTRATION SECTION**

Contract No. \_\_\_\_\_

Project No. \_\_\_\_\_

Location: \_\_\_\_\_

Contractor: \_\_\_\_\_

Inspector: \_\_\_\_\_

Project Description: \_\_\_\_\_

Contract Value: \_\_\_\_\_

Contract Start Date: \_\_\_\_\_

Contract End Date: \_\_\_\_\_

**CONTRACT ADMINISTRATION SECTION**

Contract No. \_\_\_\_\_

Project No. \_\_\_\_\_

Location: \_\_\_\_\_

Contractor: \_\_\_\_\_

Inspector: \_\_\_\_\_

Project Description: \_\_\_\_\_

Contract Value: \_\_\_\_\_

Contract Start Date: \_\_\_\_\_

Contract End Date: \_\_\_\_\_

**CONTRACT ADMINISTRATION SECTION**

Contract No. \_\_\_\_\_

Project No. \_\_\_\_\_

Location: \_\_\_\_\_

Contractor: \_\_\_\_\_

Inspector: \_\_\_\_\_

Project Description: \_\_\_\_\_

Contract Value: \_\_\_\_\_

Contract Start Date: \_\_\_\_\_

Contract End Date: \_\_\_\_\_

[illegible]

<div style="display: flex; justify-content: space-between;"> <div> <b>UNITED STATES OF AMERICA</b>            DEPARTMENT OF AGRICULTURE            NATIONAL AGRICULTURAL STATISTICS SERVICE         </div> <div> <b>STATE OF TEXAS</b>            COUNTY OF <b>EL PASO</b>            CITY OF <b>EL PASO</b> </div> </div>									
<div style="display: flex; justify-content: space-between;"> <div> <b>NAME</b>  <b>ADDRESS</b>  <b>CITY</b>  <b>STATE</b>  <b>ZIP</b> </div> <div> <b>DATE</b>  <b>TIME</b>  <b>BY</b> </div> </div>		<div style="display: flex; justify-content: space-between;"> <div> <b>NAME</b>  <b>ADDRESS</b>  <b>CITY</b>  <b>STATE</b>  <b>ZIP</b> </div> <div> <b>DATE</b>  <b>TIME</b>  <b>BY</b> </div> </div>		<div style="display: flex; justify-content: space-between;"> <div> <b>NAME</b>  <b>ADDRESS</b>  <b>CITY</b>  <b>STATE</b>  <b>ZIP</b> </div> <div> <b>DATE</b>  <b>TIME</b>  <b>BY</b> </div> </div>		<div style="display: flex; justify-content: space-between;"> <div> <b>NAME</b>  <b>ADDRESS</b>  <b>CITY</b>  <b>STATE</b>  <b>ZIP</b> </div> <div> <b>DATE</b>  <b>TIME</b>  <b>BY</b> </div> </div>		<div style="display: flex; justify-content: space-between;"> <div> <b>NAME</b>  <b>ADDRESS</b>  <b>CITY</b>  <b>STATE</b>  <b>ZIP</b> </div> <div> <b>DATE</b>  <b>TIME</b>  <b>BY</b> </div> </div>	
<div style="display: flex; justify-content: space-between;"> <div> <b>NAME</b>  <b>ADDRESS</b>  <b>CITY</b>  <b>STATE</b>  <b>ZIP</b> </div> <div> <b>DATE</b>  <b>TIME</b>  <b>BY</b> </div> </div>		<div style="display: flex; justify-content: space-between;"> <div> <b>NAME</b>  <b>ADDRESS</b>  <b>CITY</b>  <b>STATE</b>  <b>ZIP</b> </div> <div> <b>DATE</b>  <b>TIME</b>  <b>BY</b> </div> </div>		<div style="display: flex; justify-content: space-between;"> <div> <b>NAME</b>  <b>ADDRESS</b>  <b>CITY</b>  <b>STATE</b>  <b>ZIP</b> </div> <div> <b>DATE</b>  <b>TIME</b>  <b>BY</b> </div> </div>		<div style="display: flex; justify-content: space-between;"> <div> <b>NAME</b>  <b>ADDRESS</b>  <b>CITY</b>  <b>STATE</b>  <b>ZIP</b> </div> <div> <b>DATE</b>  <b>TIME</b>  <b>BY</b> </div> </div>		<div style="display: flex; justify-content: space-between;"> <div> <b>NAME</b>  <b>ADDRESS</b>  <b>CITY</b>  <b>STATE</b>  <b>ZIP</b> </div> <div> <b>DATE</b>  <b>TIME</b>  <b>BY</b> </div> </div>	

[illegible][illegible]

Name		Address		City		State		Zip		Phone		Fax		E-mail		Web		Other	
1	John Doe	123 Main St	Anytown	CA	90210	(555) 123-4567													
2	Jane Smith	456 Elm St	Springfield	IL	62701	(555) 234-5678													
3	Bob Johnson	789 Oak St	Chicago	IL	60601	(555) 345-6789													
4	Alice Brown	101 Pine St	Los Angeles	CA	90001	(555) 456-7890													
5	Charlie Davis	202 Maple St	New York	NY	10001	(555) 567-8901													
6	Diana Evans	303 Cedar St	San Francisco	CA	94101	(555) 678-9012													
7	Frank Green	404 Birch St	Seattle	WA	98101	(555) 789-0123													
8	Grace Hill	505 Spruce St	Portland	OR	97201	(555) 890-1234													
9	Henry King	606 Ash St	Denver	CO	80201	(555) 901-2345													
10	Ivy Lee	707 Hickory St	Phoenix	AZ	85001	(555) 012-3456													
11	Jack Miller	808 Walnut St	San Diego	CA	92101	(555) 123-4567													
12	Karen Wilson	909 Cherry St	San Jose	CA	95101	(555) 234-5678													
13	Leo White	1010 Elm St	San Antonio	TX	78201	(555) 345-6789													
14	Mia Young	1111 Oak St	San Jose	CA	95101	(555) 456-7890													
15	Noah Hall	1212 Pine St	San Jose	CA	95101	(555) 567-8901													
16	Olivia King	1313 Maple St	San Jose	CA	95101	(555) 678-9012													
17	Peter Lee	1414 Birch St	San Jose	CA	95101	(555) 789-0123													
18	Quinn Miller	1515 Spruce St	San Jose	CA	95101	(555) 890-1234													
19	Rachel Wilson	1616 Ash St	San Jose	CA	95101	(555) 901-2345													
20	Sam Young	1717 Hickory St	San Jose	CA	95101	(555) 012-3456													
21	Tina Hall	1818 Walnut St	San Jose	CA	95101	(555) 123-4567													
22	Uma King	1919 Cherry St	San Jose	CA	95101	(555) 234-5678													
23	Victor Lee	2020 Elm St	San Jose	CA	95101	(555) 345-6789													
24	Wendy Miller	2121 Oak St	San Jose	CA	95101	(555) 456-7890													
25	Xavier Wilson	2222 Pine St	San Jose	CA	95101	(555) 567-8901													
26	Yara King	2323 Maple St	San Jose	CA	95101	(555) 678-9012													
27	Zoe Lee	2424 Birch St	San Jose	CA	95101	(555) 789-0123													
28	Adam Miller	2525 Spruce St	San Jose	CA	95101	(555) 890-1234</													

[illegible]

www.bentley.com

[illegible][illegible][illegible]



[illegible][illegible][illegible]

☐ **Residence** ☐ **Student** ☐ **Domestic**  
 Name: \_\_\_\_\_ Address: \_\_\_\_\_  
 Date: \_\_\_\_\_

No.	1st year		2nd year		3rd year		4th year	
	Score	Grade	Score	Grade	Score	Grade	Score	Grade
1	85	A	80	B	75	C	70	D
2	80	B	75	C	70	D	65	E
3	75	C	70	D	65	E	60	F
4	70	D	65	E	60	F	55	G
5	65	E	60	F	55	G	50	H
6	60	F	55	G	50	H	45	I
7	55	G	50	H	45	I	40	J
8	50	H	45	I	40	J	35	K
9	45	I	40	J	35	K	30	L
10	40	J	35	K	30	L	25	M
11	35	K	30	L	25	M	20	N
12	30	L	25	M	20	N	15	O
13	25	M	20	N	15	O	10	P
14	20	N	15	O	10	P	5	Q
15	15	O	10	P	5	Q	0	R
16	10	P	5	Q	0	R		
17	5	Q	0	R				
18	0	R						
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								
35								
36								
37								
38								
39								
40								
41								
42								
43								
44								
45								
46								
47								
48								
49								
50								

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
 School: \_\_\_\_\_





**INSTRUCTIONS TO THE USER**

1. Fill in the name of the patient and the date of birth.

2. Fill in the name of the physician and the date of the examination.

3. Fill in the name of the institution and the date of the examination.

4. Fill in the name of the patient and the date of birth.

5. Fill in the name of the physician and the date of the examination.

6. Fill in the name of the institution and the date of the examination.

**ANAMNESIS**

1. Name of the patient: \_\_\_\_\_

2. Date of birth: \_\_\_\_\_

3. Name of the physician: \_\_\_\_\_

4. Date of the examination: \_\_\_\_\_

5. Name of the institution: \_\_\_\_\_

6. Date of the examination: \_\_\_\_\_

**PHYSICAL EXAMINATION**

1. General condition: \_\_\_\_\_

2. Head and neck: \_\_\_\_\_

3. Chest: \_\_\_\_\_

4. Abdomen: \_\_\_\_\_

5. Pelvis: \_\_\_\_\_

6. Extremities: \_\_\_\_\_

**LABORATORY EXAMINATIONS**

1. Hematology: \_\_\_\_\_

2. Biochemistry: \_\_\_\_\_

3. Microbiology: \_\_\_\_\_

4. Immunology: \_\_\_\_\_

5. Cytology: \_\_\_\_\_

6. Histology: \_\_\_\_\_

**DIAGNOSIS**

1. Primary diagnosis: \_\_\_\_\_

2. Secondary diagnosis: \_\_\_\_\_

3. Tertiary diagnosis: \_\_\_\_\_

4. Quaternary diagnosis: \_\_\_\_\_

5. Quinary diagnosis: \_\_\_\_\_

6. Senary diagnosis: \_\_\_\_\_

**TREATMENT**

1. Medical treatment: \_\_\_\_\_

2. Surgical treatment: \_\_\_\_\_

3. Radiation treatment: \_\_\_\_\_

4. Chemotherapy: \_\_\_\_\_

5. Hormone therapy: \_\_\_\_\_

6. Supportive care: \_\_\_\_\_

**PROGNOSIS**

1. Short-term prognosis: \_\_\_\_\_

2. Long-term prognosis: \_\_\_\_\_

3. Overall prognosis: \_\_\_\_\_

4. Survival prognosis: \_\_\_\_\_

5. Quality of life prognosis: \_\_\_\_\_

6. Functional prognosis: \_\_\_\_\_

**DISCUSSION**

1. Summary of findings: \_\_\_\_\_

2. Interpretation of results: \_\_\_\_\_

3. Recommendations: \_\_\_\_\_

4. Follow-up: \_\_\_\_\_

5. Referral: \_\_\_\_\_

6. Consultation: \_\_\_\_\_

[illegible][illegible][illegible]





☐ **Individual**      ☐ **Family**      ☐ **Married**

**Name** \_\_\_\_\_ **Address** \_\_\_\_\_ **City** \_\_\_\_\_ **State** \_\_\_\_\_ **Zip** \_\_\_\_\_

**Age** \_\_\_\_\_ **Sex** \_\_\_\_\_ **Marital Status** \_\_\_\_\_ **Occupation** \_\_\_\_\_

**Education** \_\_\_\_\_ **Religion** \_\_\_\_\_ **Political Party** \_\_\_\_\_

**Income** \_\_\_\_\_ **Assets** \_\_\_\_\_ **Liabilities** \_\_\_\_\_

**Signature** \_\_\_\_\_ **Date** \_\_\_\_\_

**Witness** \_\_\_\_\_ **Date** \_\_\_\_\_

**Notary Public** \_\_\_\_\_ **State** \_\_\_\_\_

Abstract

[illegible]

☐ **Individual**      ☐ **Joint**      ☐ **Married**

**Name** \_\_\_\_\_ **Address** \_\_\_\_\_ **City** \_\_\_\_\_ **State** \_\_\_\_\_ **Zip** \_\_\_\_\_

**Phone** \_\_\_\_\_ **Age** \_\_\_\_\_ **Sex** \_\_\_\_\_ **Marital Status** \_\_\_\_\_

**Occupation** \_\_\_\_\_ **Income** \_\_\_\_\_ **Assets** \_\_\_\_\_

**Liabilities** \_\_\_\_\_ **Net Worth** \_\_\_\_\_ **Signature** \_\_\_\_\_

**Date** \_\_\_\_\_ **Witness** \_\_\_\_\_

http://www.elsevier.com/locate/jmb

[illegible]



☐ **Individual** ☐ **Family** ☐ **Business**  
 Name: \_\_\_\_\_ Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_ Email: \_\_\_\_\_  
 Date: \_\_\_\_\_

No.	Total Income		Total Deductions		Total Taxable Income	Total Tax	Total Credits	Total Refund
	Year	Month	Year	Month				
1	2010	1	2010	1				
2	2010	2	2010	2				
3	2010	3	2010	3				
4	2010	4	2010	4				
5	2010	5	2010	5				
6	2010	6	2010	6				
7	2010	7	2010	7				
8	2010	8	2010	8				
9	2010	9	2010	9				
10	2010	10	2010	10				
11	2010	11	2010	11				
12	2010	12	2010	12				
13	2010	1	2010	1				
14	2010	2	2010	2				
15	2010	3	2010	3				
16	2010	4	2010	4				
17	2010	5	2010	5				
18	2010	6	2010	6				
19	2010	7	2010	7				
20	2010	8	2010	8				
21	2010	9	2010	9				
22	2010	10	2010	10				
23	2010	11	2010	11				
24	2010	12	2010	12				
25	2010	1	2010	1				
26	2010	2	2010	2				
27	2010	3	2010	3				
28	2010	4	2010	4				
29	2010	5	2010	5				
30	2010	6	2010	6				
31	2010	7	2010	7				
32	2010	8	2010	8				
33	2010	9	2010	9				
34	2010	10	2010	10				
35	2010	11	2010	11				
36	2010	12	2010	12				
37	2010	1	2010	1				
38	2010	2	2010	2				
39	2010	3	2010	3				
40	2010	4	2010	4				
41	2010	5	2010	5				
42	2010	6	2010	6				
43	2010	7	2010	7				
44	2010	8	2010	8				
45	2010	9	2010	9				
46	2010	10	2010	10				
47	2010	11	2010	11				
48	2010	12	2010	12				
49	2010	1	2010	1				
50	2010	2	2010	2				
51	2010	3	2010	3				
52	2010	4	2010	4				
53	2010	5	2010	5				
54	2010	6	2010	6				
55	2010	7	2010	7				
56	2010	8	2010	8				

[illegible][illegible][illegible]





[illegible]

☐ **Individual** ☐ **Family** ☐ **Group** ☐ **Community**

**Project Name:** \_\_\_\_\_ **Project Location:** \_\_\_\_\_ **Project Start Date:** \_\_\_\_\_ **Project End Date:** \_\_\_\_\_

**Project Description:** \_\_\_\_\_ **Project Objectives:** \_\_\_\_\_ **Project Budget:** \_\_\_\_\_

**Project Manager:** \_\_\_\_\_ **Project Coordinator:** \_\_\_\_\_ **Project Assistant:** \_\_\_\_\_

**Project Status:** ☐ **Active** ☐ **Completed** ☐ **On Hold** ☐ **Cancelled**

**Project Details:** \_\_\_\_\_ **Project Notes:** \_\_\_\_\_ **Project Comments:** \_\_\_\_\_

**Project Summary:** \_\_\_\_\_ **Project Results:** \_\_\_\_\_ **Project Impact:** \_\_\_\_\_

**Project Evaluation:** \_\_\_\_\_ **Project Feedback:** \_\_\_\_\_ **Project Recommendations:** \_\_\_\_\_

**Project Conclusion:** \_\_\_\_\_ **Project Final Report:** \_\_\_\_\_ **Project Final Review:** \_\_\_\_\_

☐ **Discharge**      ☐ **Check**      ☐ **Release**  
 (If checked, the vessel is to be released from custody and is to be returned to the owner of the vessel.)  
 (If checked, the vessel is to be released from custody and is to be returned to the owner of the vessel.)  
 (If checked, the vessel is to be released from custody and is to be returned to the owner of the vessel.)

Date		Time		Location		Remarks	
Day	Month	Year	Hour	Minute	Latitude	Longitude	Remarks
1	1	2000	10	00	10° 00' N	100° 00' W	1000
2	1	2000	10	00	10° 00' N	100° 00' W	1000
3	1	2000	10	00	10° 00' N	100° 00' W	1000
4	1	2000	10	00	10° 00' N	100° 00' W	1000
5	1	2000	10	00	10° 00' N	100° 00' W	1000
6	1	2000	10	00	10° 00' N	100° 00' W	1000
7	1	2000	10	00	10° 00' N	100° 00' W	1000
8	1	2000	10	00	10° 00' N	100° 00' W	1000
9	1	2000	10	00	10° 00' N	100° 00' W	1000
10	1	2000	10	00	10° 00' N	100° 00' W	1000
11	1	2000	10	00	10° 00' N	100° 00' W	1000
12	1	2000	10	00	10° 00' N	100° 00' W	1000
13	1	2000	10	00	10° 00' N	100° 00' W	1000
14	1	2000	10	00	10° 00' N	100° 00' W	1000
15	1	2000	10	00	10° 00' N	100° 00' W	1000
16	1	2000	10	00	10° 00' N	100° 00' W	1000
17	1	2000	10	00	10° 00' N	100° 00' W	1000
18	1	2000	10	00	10° 00' N	100° 00' W	1000
19	1	2000	10	00	10° 00' N	100° 00' W	1000
20	1	2000	10	00	10° 00' N	100° 00' W	1000
21	1	2000	10	00	10° 00' N	100° 00' W	1000
22	1	2000	10	00	10° 00' N	100° 00' W	1000
23	1	2000	10	00	10° 00' N	100° 00' W	1000
24	1	2000	10	00	10° 00' N	100° 00' W	1000
25	1	2000	10	00	10° 00' N	100° 00' W	1000
26	1	2000	10	00	10° 00' N	100° 00' W	1000
27	1	2000	10	00	10° 00' N	100° 00' W	1000
28	1	2000	10	00	10° 00' N	100° 00' W	1000
29	1	2000	10	00	10° 00' N	100° 00' W	1000
30	1	2000	10	00	10° 00' N	100° 00' W	1000
31	1	2000	10	00	10° 00' N	100° 00' W	1000

Signature of the vessel's master: \_\_\_\_\_  
 Signature of the commanding officer: \_\_\_\_\_  
 Signature of the witness: \_\_\_\_\_

[illegible]