



9 August 2021

Mr. Panjini Balaraju Washington State Department of Ecology PO Box 47775 Olympia, Washington 98504-7775

Subject: 2021 Long-Term Groundwater Monitoring Report Former Strebor Property, Cleanup Site ID 2615, Facility/Site ID 34822454 Tetra Pak Vancouver Vancouver, Washington Ecology VCP File No. SW0377 KJ 2165020*00

Dear Mr. Balaraju:

This letter report summarizes the results of the 2021 long-term groundwater monitoring event conducted by Blaine Tech Services (BTS) on 7 July 2021 at the former Strebor property (Site). The Site is located at 3125 Thompson Avenue in Vancouver, Washington (see Figure 1).

Investigation and cleanup activities have been conducted at the Site under the Voluntary Cleanup Program (VCP) (VCP No. SW0377) through the Washington State Department of Ecology (Ecology). Cleanup activities consisted of impacted soil removal and an engineered asphalt cap and cover. A restrictive covenant was recorded for the Site on 7 August 2012, and in December 2012, Ecology determined that no further remedial action (NFA) is necessary at the Site (Ecology 2012). Ecology's NFA determination was based on characterization of the Site, establishment of cleanup standards, selection and implementation of the cleanup action, post cleanup institutional and engineering controls, and long-term groundwater monitoring. Post-cleanup controls and monitoring included compliance with institutional and engineered controls (e.g., restrictions on the use of groundwater and maintenance of the asphalt cap) and performance of confirmational monitoring.

The purpose of long-term groundwater monitoring at the Site is to confirm the effectiveness of the implemented remedy and to assess that the remedy remains protective of groundwater. Groundwater monitoring was implemented in first quarter 2009 and is ongoing in general accordance with the *Long-Term Groundwater Monitoring Plan* (Long-Term Monitoring Plan; Kennedy/Jenks Consultants, Inc. 2009). Under the long-term monitoring plan, groundwater monitoring events are conducted every 18 months; however, the most recent sampling event was delayed several months due to contracting issues. Seven monitoring wells (MW-1 through MW-3 and MW-5 through MW-8) are part of the long-term monitoring plan. Monitoring well locations are shown on Figure 2.

Monitoring well MW-3 was originally installed as a stickup well located in a parking and truck loading area of the parking lot (Figure 2). In the past, a vehicle collided with MW-3, bending the well casing. In 2018, Tetra Pak converted MW-3 to a flush-mount well to reduce the risk of future vehicle collisions. The MW-3 well modifications and a potential well obstruction were



previously noted during the 2019 sampling event. Due to the modifications, the top of casing elevation is not currently available.

2021 Field Activities

Activities completed during the 2021 groundwater monitoring event were conducted in general accordance with the Long-Term Monitoring Plan. These activities consisted of:

- Measuring depths to groundwater on 7 July 2021 in monitoring wells MW-1, MW-2, MW-3, MW-5, MW-6, MW-7, and MW-8. Depth to groundwater measured at monitoring well MW-3 could not be converted to groundwater elevation as the casing had been modified and the current top of casing elevation was not available. Monitoring well MW-1 was dry during the 2021 sampling event.
- Performing a video survey of monitoring well MW-3, which was observed during the August 2019 monitoring event to have been modified and have a potential obstruction.
- Collecting groundwater samples from five monitoring wells using low flow methodology with a bladder pump (MW-2, MW-5, MW-6, MW-7, and MW-8) on 7 July 2021. Insufficient water was available in monitoring well MW-1 for sampling. Monitoring well MW-3 was inaccessible at the time of the sampling due to a damaged casing and no sample was collected. The groundwater samples were collected following purging the wells and stabilization of temperature, pH, conductivity, and dissolved oxygen in the purge water.
- Submitting groundwater samples to Apex Laboratories (Apex) in Tigard, Oregon, for analysis of pentachlorophenol and all isomers of tetrachlorophenol and trichlorophenol using U.S. Environmental Protection Agency (EPA) Method 8270D.

Groundwater Elevations

Groundwater was measured at depths between 5.51 (monitoring well MW-2) and 5.70 feet (monitoring well MW-3) above mean sea level (MSL). The results of groundwater level measurements are summarized in Table 1 and shown on Figure 2. The groundwater elevations in the monitoring wells were within 0.19 foot of each other, indicating the gradient is relatively shallow, consistent with historical groundwater gradients. For this reason, groundwater elevation contours are not plotted on Figure 2. Though the gradient is shallow, to the extent that a groundwater flow direction exists at the Site, water levels measured in 2021 indicate that the direction of flow is generally to the northwest.

Groundwater Sampling Results

Groundwater analytical results from the July 2021 event and previous sampling events are summarized in Table 2. A copy of the laboratory analytical report from the July 2021 event is

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included in Attachment A. Copies of field forms (e.g., purge and sample forms) are included in Attachment B.

Based on the analytical results for the July 2021 sampling event, pentachlorophenol, tetrachlorophenol, and trichlorophenol compounds were not detected above the laboratory reporting limits in the samples collected. These compounds were also not detected in samples collected during the previous four sampling events.

Data Quality

A duplicate groundwater sample (DUP-1) was collected from monitoring well MW-2 for analysis of pentachlorophenol, tetrachlorophenol, and trichlorophenol. These constituents were not detected above the laboratory reporting limits in the primary or duplicate sample.

Kennedy/Jenks Consultants, Inc. reviewed the laboratory quality control data included with the laboratory report and found no laboratory data quality issues associated with the 7 July 2021 sampling event. A data validation report is included in Attachment A.

Monitoring Well MW-3 Status

During the 2019 sampling event, well MW-3 was noted to have been converted to a flush mounted well and a potential obstruction was noted in the casing. The potential obstruction prevented sampling of well MW-3 during the July 2019 sampling event.

On 7 July 2021, Blaine Tech performed a closed-circuit television (CCTV) survey of well MW-3 to assess the current condition of well MW-3 following conversion to a flush mounted well. The CCTV survey confirmed that the well casing is damaged approximately 42.5 feet below ground surface. Due to this obstruction, standard groundwater sampling equipment cannot be used to access or sample well MW-3. Therefore, a groundwater sample was not collected from well MW-3 during the July 2021 event.

Due to the damaged casing, Tetra Pak proposes that sampling of well MW-3 be discontinued, and the well be decommissioned in accordance with WAC 173-160-460. The remaining wells will continue to be in monitored in accordance with the Long-Term Monitoring Plan. Neither pentachlorophenol nor isomers of tetrachlorophenol and trichlorophenol have been reported above laboratory reporting limits in well MW-3 since December 2006.

Conclusion

Groundwater monitoring results indicate that the remedial actions at the Site continue to be effective at protecting groundwater quality at the Site and constituents of concern (COCs) have not been detected above laboratory reporting limits since 2010. Ecology's 5-year review was conducted in late 2017 for the Site and concluded that "remedial actions conducted at the Site



continue to be protective of the human health and the environment" (Ecology 2018). Tetra Pak requests that Ecology evaluate a reduction in sampling frequency to once every 5 years during the next 5-year review, expected to occur in 2022.

Future Sampling Activities

The next long-term groundwater monitoring event is scheduled for first quarter 2023. This event will consist of sampling monitoring wells MW-1, MW-2, MW-5, MW-6, and MW-8 for analysis of pentachlorophenol, tetrachlorophenol, and trichlorophenol by EPA Method 8270D, unless an alternative schedule is approved by Ecology. Sampling will not occur at monitoring well MW-3.

Please feel free to call Matt Grzegorzewski at (503) 423-4025 with any questions regarding this report.

Very truly yours,

Kennedy/Jenks Consultants, Inc.

Matthew Grzegorzewski Project Manager

Attachments:

Table 1 Water Level Measurements

Table 2 Summary of SVOC Groundwater Analytical Results

- Figure 1 Site Vicinity Map
- Figure 2 Groundwater Elevation Map July 7, 2021

Attachment A Laboratory Analytical and Data Validation Reports Attachment B Groundwater Sampling and Purge Forms

cc: Larry Price, Tetra Pak Robert B. Lowry, Kell Alterman & Runstein, LLP

Julia Schwarz, L.G Principal

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References

- Kennedy/Jenks Consultants, Inc. 2009. Long-Term Groundwater Monitoring Plan, Former Strebor Site. 9 January 2009.
- Washington State Department of Ecology. 2007. Opinion under WAC 173-340-515(5) on Remedial Action(s) for the Tetra Pak Hazardous Waste Site. Washington State Department of Ecology. 5 April 2007.
- Washington State Department of Ecology. 2012. No Further Action at the Following Site: Site Name: Tetra Pak; Site Address: 3125 Thompson Avenue, Vancouver; Facility/Site No.; 34822454; Cleanup Site ID No.: 2615; VCP Project No.: SW0377. Washington State Department of Ecology. 27 December 2012.
- Washington State Department of Ecology. 2018. Periodic Review Report Draft: Tetra Pak, Facility Site ID# 34822454, Cleanup Site ID#: 2615. Washington State Department of Ecology. July 2018.

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Tables

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Table 1: Water Level Measurements

Well	Date	TOC Elevation (ft msl) ^(a)	Depth to Water (ft) ^(b)	Water Elevation (ft msl) ^(c)
MW-1	02/19/02	54.40	48.62	5.78
	02/27/02	04.40	47.73	6.67
				5.62
	03/25/02		48.78	
	04/18/02		43.55	10.85
	05/28/02		45.70	8.70
	08/19/02	40 - X	49.45	4.95
	11/18/02		49.64	4.76
	02/25/03		48.23	6.17
	06/15/06		42.38	12.02
	07/06/06		48.27	6.13
	12/28/06		45.36	9.04
	09/23/08		DRY	DRY
	01/06/09		45.04	9.36
	04/28/09		45.01	9.39
	02/16/10		48.60	5.80
	07/13/10		47.46	6.94
	03/19/12		44.01	10.39
	09/30/13		49.50	4.90
	07/28/15		DRY	DRY
	01/31/17		47.72	6.68
	07/17/19		49.09	5.31
	07/07/21		DRY	DRY
MW-2	10/08/01	51.44	48.10	3.34
	02/19/02		45.73	5.71
	02/27/02		44.72	6.72
	03/25/02		45.80	5.64
	04/18/02		40.55	10.89
	05/28/02		42.78	8.66
	08/19/02	0	46.55	4.89
	11/18/02		46.73	4.71
	02/25/03		45.32	6.12
	06/15/06		39.47	11.97
	07/06/06		45.35	6.09
	12/28/06		42.37	9.07
	09/23/08		48.04	3.40
	01/06/09		42.09	9.35
	04/28/09		42.09	9.35
	02/16/10		45.71 44.56	5.73 6.88
	07/13/10			
	03/19/12		41.07	10.37
	09/30/13		46.55	4.89
	07/28/15		47.22	4.22
	01/31/17		44.82	6.62
	07/17/19		46.21	5.23
B.0144 G	07/07/21	EA AA	45.93	5.51
MW-3	10/08/01	53.38	50.28	3.10
	02/19/02		47.53	5.85
	02/27/02		46.70	6.68
	03/25/02		47.79	5.59
	04/18/02		42.78	10.60
	05/28/02		44.68	8.70
	08/19/02		48.43	4.95
	11/18/02		48.63	4.75

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Table 1: Water Level Measurements

Well	Date	TOC Elevation (ft msl) ^(a)	Depth to Water (ft) ^(b)	Water Elevation (ft msl) ^(c)
MW-3 (cont)	02/24/03	(it insi)	47.23	6.15
	06/15/06		41.32	12.06
	07/06/06		47.28	6.10
	12/28/06		44.37	9.01
	09/23/08		49.97	3.41
	01/06/09		44.01	9.37
	04/28/09		43.99	9.39
	02/16/10		47.61	5.77
	07/13/10		46.45	6.93
	03/19/12		43.00	10.38
	09/30/13		48.49	4.89
	07/28/15		49.10	4.28
	01/31/17	13	46.43	6.95
	07/17/19		NM	NM
	07/07/21		NM	NM
MW-5	10/08/01	51.17	48.05	3.12
	02/19/02	U 1. 17	45.52	5.65
	02/27/02		44.42	6.75
	03/25/02		45.50	5.67
	04/18/02		40.24	10.93
	05/28/02		42.46	8.71
	08/19/02		46.25	4.92
	11/18/02		46.42	4.75
	02/25/03		45.02	6.15
	06/15/06		39.19	11.98
	07/06/06		45.02	6.15
	12/28/06		42.07	9.10
	09/23/08		47.75	3.42
	01/06/09		41.76	9.41
	04/28/09		41.74	9.43
	02/16/10		45.39	5.78
	07/13/10		44.26	6.91
	03/19/12		40.77	10.40
	09/30/13		46.28	4.89
	07/28/15		46.80	4.37
	01/31/17		44.52	6.65
	07/17/19		45.90	5.27
	07/07/21		45.57	5.60
MW-6	04/18/02	49.94	38.92	11.02
inter o	05/28/02	TU,UT	41.45	8.49
	08/19/02		44.92	5.02
	11/18/02		45.10	4.84
	02/24/03			4.84 6.21
			43.73	
	06/15/06		37.78	12.16
	07/06/06		43.75	6.19
	12/28/06		40.81	9.13
	09/23/08		46.44	3.50
	01/06/09		40.50	9.44
	04/28/09		40.44	9.50
	02/16/10		45.05	4.89
	07/13/10		42.91	7.03
	03/19/12		39.55	10.39
	09/30/13		44.96	4.98
	07/28/15		45.60	4.34
	01/31/17		43.17	6.77
	07/17/19		44.57	5.37
	07/07/21		44.24	5.70

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Table 1: Water Level Measurements

Well	Date	TOC Elevation (ft msl) ^(a)	Depth to Water (ft) ^(b)	Water Elevation (ft msl) ^(c)
MW-7	08/07/02	49.76	44.39	5.37
	08/19/02		44.80	4.96
	11/18/02		44.97	4.79
	02/25/03		43.55	6.21
	09/23/08		46.31	3.45
	01/06/09		40.31	9.45
	04/28/09		40.28	9.48
	02/16/10		43.95	5.81
	07/13/10		42.77	6.99
	03/19/12		39.29	10.47
	09/30/13		44.84	4.92
	07/28/15		NM ^(d)	NM
	01/31/17		NM	NM
	07/17/19		44.41	5.35
	07/07/21		44.14	5.62
MW-8	02/25/03	48.42	42.18	6.24
	06/15/06		36.35	12.07
	07/06/06		42.22	6.20
	12/28/06		39.32	9.10
	09/23/08		44.95	3.47
	01/06/09		38.98	9.44
	04/28/09		38.96	9.46
	02/16/10		42.64	5.78
	07/13/10		41.40	7.02
	03/19/12		37.96	10.46
	09/30/13	41	43.45	4.97
	07/28/15		44.10	4.32
	01/31/17		41.68	6.74
	07/17/19		43.04	5.38
	07/07/21		42.79	5.63

Notes:

(a) Top of casing (TOC) elevations reported in feet (ft) above mean sea level (msl).

(b) Depth to water measured in feet below TOC.

(c) Water elevation calculated as the difference between the TOC elevation and the depth to water.

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(d) NM = Not measured

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Monitoring	Date	7	ſ				ï		(î	r
Vell Number	Sampled	Pentachloro- phenol μg/l	2,3,4,6 Tetrachloro- phenol µg/l	2,3,5,6 Tetrachloro -phenol µg/l	2,4,5 Trichloro- phenol µg/l	2,4,6 Trichloro- phenol µg/l	1,2,3,4,6,7,8- HpCDD pg/L	1,2,3,4,6,7,8,9- OCDD pg/L	1,2,3,4,6,7,8- HpCDF pg/L	1,2,3,4,7,8,9- HpCDF pg/L	1,2,3,4,7,8 HxCDD pg/L
and the second se	CONTRACTOR OF THE OWNER OF THE OWNER	<0.8 ^(c)	NA ^(d)						Pare		pgre
MW-1	04/19/02	1.48		NA NA	NA <0.8	NA <0.8	1.52				-
	08/21/02 11/19/02		NA	NA	<1.6	<1.6	100			-	
	02/25/03	1.67 <0.19	NA NA	NA	<0.19	<0.19					
				0.078 J ^(e)			181		1.00		
	07/06/06 12/28/06	1.2 0.68	<0.10 0.033 J	0.044 J	<0.051 <0.0083	<0.083 <0.0097			-		
	01/06/09	<0.33	<0.33	<0.19	<0.003	<0.29	-		-		
	04/28/09	<0.36	<0.36	<0.20	<0.19	<0.30	251			5	
	07/13/10	0.78 B / 1.3 B(, g)	0.046 J / 0.071 J	0.019 J / 0.034 J	<0.0094 / <0.010	<0.013 / <0.014			-	-	
	03/19/12	<0.943	<0.377	<0.377	<0.472	<0.472		1	-		
	09/30/13	NS ^(h)	NS	NS	NS	NS	1.0		<u> </u>		
	07/28/15	NS	NS	NS	NS	NS					
	01/31/17	NS	NS	NS	NS	NS					
	07/17/19	NS	NS	NS	NS	NS		-			
	07/07/21	NS	NS	NS	NS	NS					
MW-2	04/18/02	<0.8	NA	NA	NA	NA					
1010 0 -2	08/21/02	<0.8	NA	NA	<0.8	<0.8		2	2		
	11/19/02	<0.8	NA	NA	<0.8	<0.8		5			
	02/25/03	<0.19	NA	NA	<0,19	<0.19	850	17			
	07/06/06	<0.11	<0.11	<0.056	<0.055	<0.089					
	12/28/06	0.15 J	<0.0089	<0.019	< 0.0091	<0.011			-		
	01/06/09	<0.33	< 0.33	<0.19	<0.19	<0,29					
	07/13/10	0.055 J B	<0.0083	<0.012	<0.0096	<0.014	-			, î	
	03/19/12	<0.935	<0,374	<0,374	<0,467	<0,467	-			-	2
	09/30/13	<0.472	<0.189	<0,189	<0.189	<0.189	-			÷	-
	07/28/15	<0.476	<0.190	<0.190	<0,190	<0.190	-		14		
	01/31/17	<0.200	<0.100	<0.100	<0.100	<0.100		-	-	-	-
	07/17/19	< 0.0943	<0.0472	<0.0472	< 0.0472	< 0.0472				*	-
	07/07/21	<0.0962/<0.400	<0.0481/<0.200	<0.0481/<0.200	<0.0481/<0.200	<0.0481/<0.200	•	•	•	¥	
MW-3	04/18/02	<0.8	NA	NA	NA	NA		-	14	-	-
	08/20/02	<0.8	NA	NA	<0.8	<0.8	12.0	2	12	2	. 2
	11/18/02	<0.8	NA	NA	<1.6	<1.6		2	12	<u></u>	2
	02/24/03	0.254	NA	NA	<0.189	<0.189	-	-	-	-	-
	07/06/06	<0.11	<0.11	<0.055	< 0.054	<0.087			17		
	12/28/06	0.13 J	<0.0081	<0.018	<0.0083	<0,0098	-		-	-	-
	01/06/09	< 0.34	<0.34	<0,19	<0.19	<0.29	8			5	
	07/13/10	< 0.011	<0.0083	< 0.012	<0.0096	<0.014	(e		(7		
	03/19/12	<0.943	<0.377	<0.377	<0.472	<0.472	. .		2		
	09/30/13	<0.472/<0.476(1)	<0,189/<0,190	<0,189/<0,190	<0.189/<0.190	<0.189/<0.190	12	8	8	-	
	07/28/15	<0.476	<0.190	<0.190	<0.190	<0.190	~	-		-	
	01/31/17	<0,190	<0.0952	< 0.0952	<0,0952	<0,0952	84	2	14	2	
	07/17/19	NS	NS	NS	NS	NS	-	e -	-		
	07/07/21	NS	NS	NS	NS	NS		. <u> </u>	14 14	-	
MW-5	04/19/02	<0,8	NA	NA	NA	NA					÷
	08/21/02	<0.8	NA	NA	<0.8	<0.8	15	5 	15	<u>ت</u>	2
	11/19/02	<0.8	NA	NA	<1.6	<1.6	5 C	a	<i>.</i>	a.	5
	02/25/03	<0.189	NA	NA	<0.189	<0.189	10	2	1. T	8	8
	07/06/06	<0.11	<0.11	<0.053	<0.052	<0.083			i .	. · ·	2
	12/28/06	<0.013	<0.0081	<0.018	<0.0083	<0.0098			15	S #	-
	01/06/09	<0.33	<0.33	<0.19	<0,19	<0.29	-	8	(#		*
	07/13/10	<0.011	<0.0082	<0.012	<0.0094	<0.013	ie -	8		2	-
	03/19/12	<0.935/<0.935 ^(*)	<0,374/<0.374	<0,374/<0.374	<0.467/<0.467	<0.467/<0.467			34	-	-
	09/30/13	<0.472	<0.189	<0.189	<0.189	<0.189		-	14	-	-
	07/28/15	<0.476	<0.190	<0.190	<0.190	<0.190	-	-	14	-	-
	01/31/17	<0.204/<0.202(1)	<0.102/<0.101	<0.102/<0.101	<0.102/<0.101	<0.102/<0.101		2	15	8	
	07/17/19	<0.115	<0.0575	<0.0575	<0.0575	<0.0575	12		्त	51	
	07/07/21	< 0.0962	<0.0481	<0.0481	<0.0481	<0.0481	5			5	-

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Kennedy Jenks

/ell Number	Sampled	Pentachloro- phenol µg/l	2,3,4,6 Tetrachloro- phenol µg/l	2,3,5,6 Tetrachloro -phenol µg/l	2,4,5 Trichloro- phenol µg/l	2,4,6 Trichloro- phenol µg/l	1,2,3,4,6,7,8- HpCDD pg/L	1,2,3,4,6,7,8,9- OCDD pg/L	1,2,3,4,6,7,8- HpCDF pg/L	1,2,3,4,7,8,9- HpCDF pg/L	1,2,3,4,7,8 HxCDD pg/L
MW-6	04/18/02	<0,8	NA	NA	NA	NA	11 I I I I I I I I I I I I I I I I I I	<u>_</u>	121		1.1
120105-02-02	08/20/02	< 0.813	NA	NA	< 0.813	<0,813	<u>_</u>	2	3 2 3	· · · ·	5125
	11/18/02	<0.8	NA	NA	<1.6	<1.6	2	2	121	2	122
	02/24/03	<0.19	NA	NA	<0.19	<0.19		2		£	
	07/06/06	0,16 J	<0.12	< 0.059	<0.058	<0.092	1	-		5 E	
	12/28/06	0.21 J	<0.0083	<0.018	<0.0085	<0.01					
	01/06/09	<0.33	< 0.33	<0.19	<0.19	<0.29	-	-	-	-	-
	07/13/10	0.074 J B	<0.0082	<0.012	<0,0094	< 0.013	-	÷		-	
1	03/19/12	<0.935	< 0.374	< 0.374	< 0.472	<0.472	-	-		-	-
	09/30/13	<0.472	<0.189	<0.189	<0.189	<0.189		5. j	-		
1	07/28/15	<0,476	<0.190	<0.190	<0,190	<0,190	-	-	-	-	
	01/31/17	<0.200	<0.100	<0,100	<0.100	<0.100		-	1.	-	
1	07/17/19	<0.128	<0.0641	<0.0641	<0.0641	< 0.0641		~	3 - 1	-	
	07/17/19	<0,0952	<0.0476	<0.0476	<0.0476	< 0.0476	-	-	-	-	-
MW-7	08/07/02	0.412 J	NA	NA	<0.8	<0.8	-	-		-	
APARTICS.	08/20/02	0.347 J	NA	NA	<0.8	<0.8		20	121	2 1	1.2
	11/19/02	7.58	NA	NA	<1.6	<1.6	3	<u>a</u>	244	<u></u>	
	02/25/03	<0,191	NA	NA	<0.191	<0.191	2	2	120	20	2
	01/06/09	< 0.34	<0.34	<0,19	<0.19	<0.29		2	-		
1	09/30/13	<0,481	<0,192	<0.192	<0.192	<0,192	185	2830	<47.9	<47.9	<47.9
	07/17/19	<0.103/<0.105	<0.0515/<0.0526	<0.0515/<0.0526	<0.0515/<0.0526	<0.0515/<0.0526	72.1	1440	12.0 JK	<2.07	<1.29
	07/07/21	< 0.0952	<0.0476	<0.0476	< 0.0476	<0.0476		1 C.3.47 .	-		-
MW-8	02/25/03	<0,189	NA	NA	<0.189	<0.189			-	_	
	07/06/06	<0.11	<0.11	<0.055	<0.054	< 0.087	-	-	-	-	
	12/28/06	0.16 J	<0.0081	< 0.018	<0.0083	<0.0098	-	-	1.00	-	-
	01/06/09	< 0.34	< 0.34	<0,19	<0,19	<0.29	-		(1 -1)	-	
	07/13/10	<0,011	<0.0083	< 0.012	<0.0096	< 0.014			140		-
	03/19/12	<0.935	< 0.374	< 0.374	<0.472	<0.472	-	2	1.	25	
	09/30/13	<0.476	<0.190	<0.190	<0.190	<0,190	-	2	(S)	-	-
	07/28/15	<0,476/<0,476	<0,190/<0,190	<0.190/<0.190	<0.190/<0.190	<0.190/<0.190	2	S	12	21	
	01/31/17	<0.227	<0.114	<0.114	<0.114	<0.114		i i i			1 3
	07/17/19	<0.0943	<0.0472	<0.0472	<0.0472	<0.0472		8	100	52.	10
	07/07/21	<0.0943	0.0476	0.0476	0.0476	0.0476					
04.14-16-27	Cleanup Level ⁽¹⁾	0.22	NL ⁰⁰	NL	NL	4	NL	NL	NL	NL	NL

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Well Number	Sampled	1,2,3,4,7,8- HxCDF pg/L	1,2,3,6,7,8- HxCDD pg/L	1,2,3,6,7,8- HxCDF pg/L	1,2,3,7,8,9- HxCDD pg/L	1,2,3,7,8,9- HxCDF pg/L	1,2,3,7,8- PeCDD pg/L	1,2,3,7,8- PeCDF pg/L	2,3,4,6,7,8- HxCDF pg/L	2,3,4,7,8- PeCDF pg/L	2,3,7,8-TCDD pg/L	2,3,7,8-TCDF pg/L	1,2,3,4,6,7,8,9- OCDF pg/L	TEQ
MW-1	04/19/02		(*)	1.00	-	-	-			-	1.	2	2	17
	08/21/02	(**)	(**)	-			550	-	· -		-		3	25
	11/19/02		(*)	1.00		-	191	-	(*		-		ر ا	10 M
	02/25/03	(m))	100	2003		×	(m)		(e		×	(.		8
	07/06/06	21	827 C	140	12	2	(a)	2	14		Υ.	8	32 (2)	12
	12/28/06	12	<u>i</u>	(2)	120	14 H	122	12		-	6	÷ ~	12	
	01/06/09	20	220	124	ಾ		222	2	4		-	12	42	- C
	04/28/09				121	2	-	-	12		2	2	2	
	07/13/10	-	1.00	1990	1.00		1.00	e - 1			-	5		5
	03/19/12	100	200	100	-			2				3	a	.e
	09/30/13	-		140	(14)	8	7=0	8	12		-	(H	*	× .
	07/28/15		140	19415			2 0 0			-	× .	8	8	
	01/31/17	34 - C	54.9	120	(C)	а —	141	2	14	S 2	14 H	12 I		
	07/17/19	2 S2 S	3410	145			1.41		34 - C		÷	(ii)	(iii	(2) (2)
	07/07/21	2		540	•	-	1940	2	14 million (14 million)		e	12	12	52
MW-2	04/18/02	-	.a.,	(a)	-	-	90	2	12	-	2	12	8	- U
	08/21/02	-	-		-	-	-	<u>i</u>			2	12	12	12
1	11/19/02		-	17.1		-	175	-	-	-	÷ .	i i	-	
	02/25/03	17	17	100		-	1.51						12	
	07/06/06		97	272	170	-	375	5	-	-				
	12/28/06	1.0	27.5	353		-	1.50	5					5	
	01/06/09		-	1.00	1.00		1.70							
	07/13/10		(H)	(H)	(H)	-	5 8 3	*			*	-	H 3	045 m
	03/19/12			100	1.00	- 1	1.00	-	-	-	8			
	09/30/13			(10)	(m)			*	(a.	e.		8		
	07/28/15		(40)	(4)	-	-	191	8						16 H
	01/31/17	140	S ((23)	(44)		-	-	5-	-	-	-	S 100	3
	07/17/19	14		243	-	2	240	×	-	2			*	
	07/07/21	14 C	(340	123	(2)		(2)		34 			2	ie in the second	3
MW-3	04/18/02	101		(1)	120	-	-	5	12	-	-	2	2	2
	08/20/02			÷	((S)	2	120	2	12			2	2	
	11/18/02	17	-	6-a	•			-	3	÷.	2	10 E	2	8
	02/24/03		-	5.50	1.1		572	₹.		5	8	8 1		
	07/06/06	(Z.)		1970	850		1.52	5	<i>.</i>	5		5	5	12
	12/28/06		-	100	100		100	2	2	-		5		
	01/06/09	17	(C) (C)	673	(*)			5)				5	5	
	07/13/10	87		()	100		172		2	÷.				15
	03/19/12	(H)	2 24	100	346		200	70		T 2			đ.	
	09/30/13	9 (C)		1940 - C	343	9	2943	20	<u>11</u>	20		9	-	~
	07/28/15	12 E	-	140	-	8	94-8		-		-		*	14
	01/31/17	8	14	14 C	920		121	20	-	27		÷ (-	
	07/17/19	12		141		2			4		-	-	2	
	07/07/21	12			121	¥	145		i			-		
MW-5	04/19/02	5	1	-	100	7			8		2			
	08/21/02	8	æ .	100 C	1.53	5	370	50	27		2	5	÷.	s
	11/19/02			151	1.655	5	1993	10	8	2			5	
	02/25/03	1 	17	121	(*)	5	355	8	15	8		5		
	07/06/06	3 7	17	(H)	1.00		100	7		÷.				10
	12/28/06	19	1.1		1.00		3 ()	5	8	10		, e	~	æ
	01/06/09	10		1	199	×	(*)	€	19	-		~. <u>.</u>	~	*
	07/13/10	14	Ξ.	(m)	140			₹.	3	=		~		÷
	03/19/12	82		G. (1)	142	2	342	-2	÷	#)	-	-	-	-
	09/30/13	12	<u>~</u>	14	520	2	12	20		22	-	2	2	2
	07/28/15	12	12	25	52.5	12	2 2	2	<u>_</u>	23	÷ -	2	2	2
	01/31/17					-		-	-			-		
1	07/17/19		-	-	-		-	-		-	-	_*	-	-
	07/07/21													

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KI Kennedy Jenks

Monitoring Date 1,2,3,7,8 PeCDD 1,2,3,7,8-PeCDF 2,3,4,6,7,8-HxCDF 2,3,4,7,8 PeCDF 1,2,3,4,6,7,8,9-1,2,3,4,7,8-1,2,3,6,7,8-1,2,3,6,7,8-1,2,3,7,8,9-1,2,3,7,8,9-2.3.7.8-TCDD 2.3.7.8-TCDF HxCDF HXCDD HxCDF HxCDD HxCDF OCDF Well Numb Sampled pg/L TEQ 04/18/02 MW-6 08/20/02 11/18/02 -02/24/03 07/06/06 -12/28/06 01/06/09 -07/13/10 03/19/12 . . _ --à 09/30/13 07/28/15 --1 01/31/17 ÷ --_ ų, 07/17/19 . 2 . -12 . 12 7/17/19 MW-7 08/07/02 08/20/02 ---. 2 --11/19/02 02/25/03 01/06/09 <47.9 <1.34 <47.9 <1.85 <47.9 <47.9 <1.39 <47.9 <47.9 <47.9 <47.9 <9.57 <9.57 <1.53 09/30/13 <47.9 101 2.73 1.40 JK 48.3 J 07/17/19 <1.39 <0.996 <0.879 <0.797 <1.09 1.43 MW-8 02/25/03 07/06/06 1 12/28/06 01/06/09 07/13/10 . . . 03/19/12 . -4 . 09/30/13 1 . 2 07/28/15 01/31/17 . . 07/17/19 07/07/21 MTCA Method B Cleanup Level NI NI NI NI NI NI NI NI NI NL NI NI NL

Notes:

(a) Results are reported in micrograms per lifer (µg/l).
 (b) Samples were analyzed for selected semivolatile organic compounds by US Environmental Protection Agency (EPA) Method 8270D.

(c) "<" denotes analyte was not detected above the indicated detection limit. (d) NA = not analyzed

(e) J denotes positively identified, but numerical value is an estimated quantity.

(g) denotes positively denotes positively denotes and taken to an example of positively denotes and taken to be a set of the positively denotes and the positive states and

(i) Nu = Not listed in the CLARC Information System (k) K denotes estimated maximum possible concentration (l) J denotes estimated value below laboratory reporting limit.

(m) Dioxin concentrations are reported in picograms per liter (pg/L) Bold values indicate analyte was detected above the indicated laboratory detection limit.

Highlighted values indicate detection above MTCA Method B screening value.

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Figures



Legend Property Boundary Kennedy Jenks

Tetra Pak Materials LP Vancouver, Washington 2165020'00 Figure 1 Site Vicinity Map

N

Notes 1, All locations are approximate



Legend

MW-5 - Monitoring Well ID 5.27 - Groundwater Elevation (ft msl)

NM - Groundwater Elevation Not Measured

Notes 1. All locations are approximate 2. Monitoring well MW-1 was dry during the 2021 sampling event. 3. Groundwater elevation was not measured at monitoring well MW-3. The well was previously modified and the top of casing elevation was not available.



Tetra Pak Materials LP Vancouver, Washington 2165020'00 Figure 2 Groundwater Elevations July 7, 2021 July 2021

Attachment A

Laboratory Analytical and Data Validation Reports



Apex Laboratories, LLC

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323 ORELAP ID: OR100062

Tuesday, July 20, 2021 Matthew Grzegorzewski Kennedy Jenks 421 SW 6th Avenue Suite 1000 Portland, OR 97204

RE: A1G0216 - Tetra Pak --- 2021 - [none]

Thank you for using Apex Laboratories. We greatly appreciate your business and strive to provide the highest quality services to the environmental industry.

Enclosed are the results of analyses for work order A1G0216, which was received by the laboratory on 7/8/2021 at 8:40:00AM.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: <u>DAuvil@apex-labs.com</u>, or by phone at 503-718-2323.

Please note: All samples will be disposed of within 30 days of sample receipt, unless prior arrangements have been made.

Cooler Receipt Information

Cooler #1

(See Cooler Receipt Form for details) 4.5 degC

This Final Report is the official version of the data results for this sample submission, unless superseded by a subsequent, labeled amended report.

All other deliverables derived from this data, including Electronic Data Deliverables (EDDs), CLP-like forms, client requested summary sheets, and all other products are considered secondary to this report.



Apex Laboratories

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Apex Laboratories, LLC

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323 ORELAP ID: OR100062

Kennedy Jenks	Project: <u>Tetra Pak 2021</u>	4
421 SW 6th Avenue Suite 1000	Project Number: [none]	Report ID:
Portland, OR 97204	Project Manager: Matthew Grzegorzewski	A1G0216 - 07 20 21 1252

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION											
Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received							
MW-2	A1G0216-01	Water	07/07/21 15:57	07/08/21 08:40							
MW-5	A1G0216-02	Water	07/07/21 16:40	07/08/21 08:40							
MW-6	A1G0216-03	Water	07/07/21 14:34	07/08/21 08:40							
MW-7	A1G0216-04	Water	07/07/21 15:19	07/08/21 08:40							
MW-8	A1G0216-05	Water	07/07/21 17:14	07/08/21 08:40							
DUP-1	A1G0216-06	Water	07/07/21 12:00	07/08/21 08:40							

Apex Laboratories

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Darrell Auvil, Client Services Manager



Apex Laboratories, LLC

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323 ORELAP ID: OR100062

<u>Kennedy Jenks</u> 421 SW 6th Avenue Suite 1000 Portland, OR 97204 Project: <u>Tetra Pak --- 2021</u> Project Number: [none] Project Manager: Matthew Grzegorzewski

<u>Report ID:</u> A1G0216 - 07 20 21 1252

ANALYTICAL SAMPLE RESULTS

	Sen	nivolatile Organ	iic Comp	ounds by EPA 8	2/UE			
Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
WW-2 (A1G0216-01)				Matrix: Wate	r	Batch:	1070417	
Pentachlorophenol (PCP)	ND	0.0962	0.192	ug/L	1	07/14/21 17:04	EPA 8270E	
2,3,4,6-Tetrachlorophenol	ND	0.0481	0.0962	ug/L	1	07/14/21 17:04	EPA 8270E	
2,3,5,6-Tetrachlorophenol	ND	0.0481	0.0962	ug/L	1	07/14/21 17:04	EPA 8270E	1 2 (
2,4,5-Trichlorophenol	ND	0.0481	0.0962	ug/L	1	07/14/21 17:04	EPA 8270E	
2,4,6-Trichlorophenol	ND	0.0481	0.0962	ug/L	1	07/14/21 17:04	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		Recover	v: 64 %	Limits: 44-120 %	1	07/14/21 17:04	EPA 8270E	
2-Fluorobiphenyl (Surr)			63 %	44-120 %	1	07/14/21 17:04	EPA 8270E	
Phenol-d6 (Surr)			21 %	10-133 %	Ι	07/14/21 17:04	EPA 8270E	
p-Terphenyl-d14 (Surr)			68 %	50-134 %	1	07/14/21 17:04	EPA 8270E	
2-Fluorophenol (Surr)			33 %	19-120 %	1	07/14/21 17:04	EPA 8270E	
2,4,6-Tribromophenol (Surr)			92 %	43-140 %	I	07/14/21 17:04	EPA 8270E	
/W-5 (A1G0216-02)				Matrix: Wate	er	Batch:	1070417	
Pentachlorophenol (PCP)	ND	0.0962	0.192	ug/L	1	07/14/21 17:40	EPA 8270E	
2,3,4,6-Tetrachlorophenol	ND	0.0481	0.0962	ug/L	1	07/14/21 17:40	EPA 8270E	
2,3,5,6-Tetrachlorophenol	1		0.0962	ug/L	1	07/14/21 17:40	EPA 8270E	
2,4,5-Trichlorophenol	ND	0.0481	0.0962	ug/L	1	07/14/21 17:40	EPA 8270E	
2,4,6-Trichlorophenol	ND	0.0481	0.0962	ug/L	1	07/14/21 17:40	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		Recover	v: 61 %	Limits: 44-120 %	1	07/14/21 17:40	EPA 8270E	
2-Fluorobiphenyl (Surr)			63 %	44-120 %	1	07/14/21 17:40	EPA 8270E	
Phenol-d6 (Surr)			19 %	10-133 %	1	07/14/21 17:40	EPA 8270E	
p-Terphenyl-d14 (Surr)			74 %	50-134 %	1	07/14/21 17:40	EPA 8270E	
2-Fluorophenol (Surr)			31 %	19-120 %	1	07/14/21 17:40	EPA 8270E	
2,4,6-Tribromophenol (Surr)			88 %	43-140 %	Ι	07/14/21 17:40	EPA 8270E	
MW-6 (A1G0216-03)			1	Matrix: Wate	r	Batch:	1070417	
Pentachlorophenol (PCP)	ND	0.0952	0.190	ug/L	1	07/14/21 18:15	EPA 8270E	
2,3,4,6-Tetrachlorophenol	ND	0.0476	0.0952	ug/L	1	07/14/21 18:15	EPA 8270E	
2,3,5,6-Tetrachlorophenol	ND	0.0476	0.0952	ug/L	1	07/14/21 18:15	EPA 8270E	
2,4,5-Trichlorophenol	ND	0.0476	0.0952	ug/L	1	07/14/21 18:15	EPA 8270E	
2,4,6-Trichlorophenol	ND	0.0476	0.0952	ug/L	1	07/14/21 18:15	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		Recover	v: 66 %	Limits: 44-120 %	1	07/14/21 18:15	EPA 8270E	
2-Fluorobiphenyl (Surr)			67 %	44-120 %	1	07/14/21 18:15	EPA 8270E	
Phenol-d6 (Surr)			21 %	10-133 %	1	07/14/21 18:15	EPA 8270E	
p-Terphenyl-d14 (Surr)			76 %	50-134 %	1	07/14/21 18:15	EPA 8270E	

Apex Laboratories

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Apex Laboratories, LLC

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323 ORELAP ID: OR100062

<u>Kennedy Jenks</u> 421 SW 6th Avenue Suite 1000 Portland, OR 97204

Project: <u>Tetra Pak --- 2021</u> Project Number: [none]

Project Manager: Matthew Grzegorzewski

<u>Report ID:</u> A1G0216 - 07 20 21 1252

ANALYTICAL SAMPLE RESULTS

	Sen	nivolatile Organi	ic Comp	ounds by EPA 8	270E			
Analyte	Sample Result	Detection I Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW-6 (A1G0216-03)				Matrix: Wate	r	Batch:	1070417	
Surrogate: 2-Fluorophenol (Surr)		Recovery.	34 %	Limits: 19-120 %	1	07/14/21 18:15	EPA 8270E	
2,4,6-Tribromophenol (Surr)			93 %	43-140 %	1	07/14/21 18:15	EPA 8270E	
MW-7 (A1G0216-04)				Matrix: Wate	r	Batch:	1070417	
Pentachlorophenol (PCP)	ND	0.0952	0.190	ug/L	1	07/14/21 18:51	EPA 8270E	
2,3,4,6-Tetrachlorophenol	ND	0.0476	0.0952	ug/L	1	07/14/21 18:51	EPA 8270E	
2,3,5,6-Tetrachlorophenol	ND	0.0476	0.0952	ug/L	1	07/14/21 18:51	EPA 8270E	
2,4,5-Trichlorophenol	ND	0.0476	0.0952	ug/L	1	07/14/21 18:51	EPA 8270E	
2,4,6-Trichlorophenol	ND	0.0476	0.0952	ug/L	1	07/14/21 18:51	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		Recovery.	: 68 %	Limits: 44-120 %	1	07/14/21 18:51	EPA 8270E	
2-Fluorobiphenyl (Surr)			68 %	44-120 %	1	07/14/21 18:51	EPA 8270E	
Phenol-d6 (Surr)			21 %	10-133 %	1	07/14/21 18:51	EPA 8270E	
p-Terphenyl-d14 (Surr)			64 %	50-134 %	1	07/14/21 18:51	EPA 8270E	
2-Fluorophenol (Surr)			34 %	19-120 %	1	07/14/21 18:51	EPA 8270E	
2,4,6-Tribromophenol (Surr)			88 %	43-140 %	Г	07/14/21 18:51	EPA 8270E	
MW-8 (A1G0216-05)				Matrix: Wate	r	Batch:	1070417	
Pentachlorophenol (PCP)	ND	0.0952	0.190	ug/L	1	07/14/21 19:27	EPA 8270E	
2,3,4,6-Tetrachlorophenol	ND	0.0476	0.0952	ug/L	1	07/14/21 19:27	EPA 8270E	
2,3,5,6-Tetrachlorophenol	ND	0.0476	0.0952	ug/L	1	07/14/21 19:27	EPA 8270E	
2,4,5-Trichlorophenol	ND	0.0476	0.0952	ug/L	1	07/14/21 19:27	EPA 8270E	
2,4,6-Trichlorophenol	ND	0.0476	0.0952	ug/L	1	07/14/21 19:27	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)	8	Recovery	: 61 %	Limits: 44-120 %	1.	07/14/21 19:27	EPA 8270E	
2-Fluorobiphenyl (Surr)			62 %	44-120 %	1	07/14/21 19:27	EPA 8270E	
Phenol-d6 (Surr)			20 %	10-133 %	1	07/14/21 19:27	EPA 8270E	
p-Terphenyl-d14 (Surr)			69 %	50-134 %	1	07/14/21 19:27	EPA 8270E	
2-Fluorophenol (Surr)			31 %	19-120 %	1	07/14/21 19:27	EPA 8270E	
2,4,6-Tribromophenol (Surr)			90 %	43-140 %	1	07/14/21 19:27	EPA 8270E	
DUP-1 (A1G0216-06)				Matrix: Wate	r	Batch:	1070417	
Pentachlorophenol (PCP)	ND	0.400	0.800	ug/L	1	07/14/21 20:02	EPA 8270E	
2,3,4,6-Tetrachlorophenol	ND	0.200	0.400	ug/L	1	07/14/21 20:02	EPA 8270E	
2,3,5,6-Tetrachlorophenol	ND	0.200	0.400	ug/L	1	07/14/21 20:02	EPA 8270E	
2,4,5-Trichlorophenol	ND	0.200	0.400	ug/L	1	07/14/21 20:02	EPA 8270E	
2,4,6-Trichlorophenol	ND	0.200	0.400	ug/L	1	07/14/21 20:02	EPA 8270E	

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The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Darrell Auvil, Client Services Manager



Apex Laboratories, LLC

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323 ORELAP ID: OR100062

<u>Kennedy Jenks</u> 421 SW 6th Avenue Suite 1000 Portland, OR 97204 Project: <u>Tetra Pak --- 2021</u> Project Number: [none]

Project Manager: Matthew Grzegorzewski

<u>Report ID:</u> A1G0216 - 07 20 21 1252

ANALYTICAL SAMPLE RESULTS

	Sem	Semivolatile Organic Compounds by EPA 8270E											
Analyte	Sample Result	Detection Limit	Reporting Limit	τ	Jnits	Dilution	Date Analyzed	Method Ref.	Notes				
DUP-1 (A1G0216-06)				Mat	trix: Wat	er	Batch:	1070417					
Surrogate: Nitrobenzene-d5 (Surr)		Recov	ery: 67 %	Limits:	44-120 %	6 I	07/14/21 20:02	EPA 8270E					
2-Fluorobiphenyl (Surr)			68 %		44-120 %	6 1	07/14/21 20:02	EPA 8270E					
Phenol-d6 (Surr)			29 %		10-133 %	6 I	07/14/21 20:02	EPA 8270E					
p-Terphenyl-d14 (Surr)			84 %		50-134 %	6 I	07/14/21 20:02	EPA 8270E					
2-Fluorophenol (Surr)			44 %		19-120 %	6 1	07/14/21 20:02	EPA 8270E					
2,4,6-Tribromophenol (Surr)			90 %		43-140 %	6 1	07/14/21 20:02	EPA 8270E					

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6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323 ORELAP ID: OR100062

<u>Kennedy Jenks</u> 421 SW 6th Avenue Suite 1000 Portland, OR 97204 Project: <u>Tetra Pak --- 2021</u> Project Number: [none]

Project Manager: Matthew Grzegorzewski

<u>Report ID:</u> A1G0216 - 07 20 21 1252

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E RPD % REC Detection Reporting Spike Source Result Limit Units Dilution Amount Result % REC Limits RPD Limit Notes Analyte Limit Batch 1070417 - EPA 3510C (Acid Extraction) Water Blank (1070417-BLK2) Prepared: 07/14/21 09:53 Analyzed: 07/14/21 15:16 EPA 8270E 0.0909 0.182 Pentachlorophenol (PCP) ND ug/L 1 2,3,4,6-Tetrachlorophenol ND 0.0455 0.0909 ug/L 1 ----____ ------------0.0455 0.0909 2,3,5,6-Tetrachlorophenol ND ug/L 1 ---------------2,4,5-Trichlorophenol ND 0.0455 0.0909 ug/L 1 ----.... ----.... -------ND 0.0455 0.0909 2,4,6-Trichlorophenol ug/L 1 ---..... ---------Surr: Nitrobenzene-d5 (Surr) Recovery: 54 % Limits: 44-120 % Dilution: 1x 2-Fluorobiphenyl (Surr) 54% 44-120 % 10-133 % Phenol-d6 (Surr) 25% p-Terphenyl-d14 (Surr) 89 % 50-134% 37% 19-120% 2-Fluorophenol (Surr) 43-140 % 2,4,6-Tribromophenol (Surr) 75% LCS (1070417-BS2) Prepared: 07/14/21 09:53 Analyzed: 07/14/21 15:52 EPA 8270E Pentachlorophenol (PCP) 3.40 0.100 0.200 ug/L 1 4.00 ----85 35-138% ____ 0.0500 0.100 1 4.00 91 50-128% 2,3,4,6-Tetrachlorophenol 3.66 ug/L -------0.0500 0.100 1 4.00 91 50-121% 2,3,5,6-Tetrachlorophenol 3.63 ug/L ------89 0.0500 0.100 4 00 53-123% 2,4,5-Trichlorophenol 3.54 ug/L 1 ---------2,4,6-Trichlorophenol 3.36 0.0500 0.100 ug/L 1 4.00 ____ 84 50-125% --------Surr: Nitrobenzene-d5 (Surr) Recovery: 69 % Limits: 44-120 % Dilution: lx73 % 2-Fluorobiphenyl (Surr) 44-120% Phenol-d6 (Surr) 27 % 10-133 % 50-134% p-Terphenyl-d14 (Surr) 87 % 2-Fluorophenol (Surr) 43 % 19-120 % 93 % 43-140% 2,4,6-Tribromophenol (Surr) LCS Dup (1070417-BSD2) Prepared: 07/14/21 09:53 Analyzed: 07/14/21 16:28 Q-19 EPA 8270E 0.100 4.00 30% 3.28 0.200 1 82 35-138% 3 Pentachlorophenol (PCP) ug/L ----3.54 0.0500 0.100 ug/L 1 4.00 89 50-128% 3 30% 2,3,4,6-Tetrachlorophenol ---86 5 30% 0.0500 0.100 ug/L 1 4.00 50-121% 2,3,5,6-Tetrachlorophenol 3.46 ----2,4,5-Trichlorophenol 3.39 0.0500 0.100 ug/L 1 4.00 ---85 53-123% 4 30% 2,4,6-Trichlorophenol 3.22 0.0500 0.100 ug/L 1 4.00 ----81 50-125% 4 30%

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Darrell Auvil, Client Services Manager



Apex Laboratories, LLC

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323 ORELAP ID: OR100062

Kennedy Jenks 421 SW 6th Avenue Suite 1000 Portland, OR 97204

Project: Tetra Pak ---- 2021 Project Number: [none] Project Manager: Matthew Grzegorzewski

Report ID: A1G0216 - 07 20 21 1252

Q-19

QUALITY CONTROL (QC) SAMPLE RESULTS

	Semivolatile Organic Compounds by EPA 8270E												
An	alyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batc	h 1070417 - EPA 3510C (A	Acid Extra	ction)					Wat	er				
LCS	Dup (1070417-BSD2)			Prepared	1: 07/14/21	09:53 Ana	lyzed: 07/14/	/21 16:28					Q-19
Surr:	Nitrobenzene-d5 (Surr)		Rec	overy: 68 %	Limits: 4	4-120 %	Dilı	ution: 1x					
	2-Fluorobiphenyl (Surr)			71 %	4	4-120 %		"					
	Phenol-d6 (Surr)			25 %	1	0-133 %		н					
	p-Terphenyl-d14 (Surr)			83 %	5	0-134 %		11					
	2-Fluorophenol (Surr)			40 %	1	9-120 %		11					
	2,4,6-Tribromophenol (Surr)			90 %	4	3-140 %		"					

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Apex Laboratories, LLC

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323 ORELAP ID: OR100062

<u>Kennedy Jenks</u> 421 SW 6th Avenue Suite 1000 Portland, OR 97204
 Project:
 Tetra Pak --- 2021

 Project Number:
 [none]

 Project Manager:
 Matthew Grzegorzewski

<u>Report ID:</u> A1G0216 - 07 20 21 1252

SAMPLE PREPARATION INFORMATION

Semivolatile Organic Compounds by EPA 8270E								
Prep: EPA 3510C (Acid Extraction)				Sample	Default	RL Prep	
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor	
Batch: 1070417								
A1G0216-01	Water	EPA 8270E	07/07/21 15:57	07/14/21 09:53	1040mL/1mL	1000mL/1mL	0.96	
A1G0216-02	Water	EPA 8270E	07/07/21 16:40	07/14/21 09:53	1040mL/1mL	1000mL/1mL	0.96	
A1G0216-03	Water	EPA 8270E	07/07/21 14:34	07/14/21 09:53	1050mL/1mL	1000mL/1mL	0.95	
A1G0216-04	Water	EPA 8270E	07/07/21 15:19	07/14/21 09:53	1050mL/1mL	1000mL/1mL	0.95	
A1G0216-05	Water	EPA 8270E	07/07/21 17:14	07/14/21 09:53	1050mL/1mL	1000mL/1mL	0.95	
A1G0216-06	Water	EPA 8270E	07/07/21 12:00	07/14/21 09:53	250mL/1mL	1000mL/1mL	4.00	

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Darrell Auvil, Client Services Manager



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6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323 ORELAP ID: OR100062

<u>Kennedy Jenks</u> 421 SW 6th Avenue Suite 1000 Portland, OR 97204

Project: <u>Tetra Pak --- 2021</u>

Project Number: [none] Project Manager: Matthew Grzegorzewski <u>Report ID:</u> A1G0216 - 07 20 21 1252

QUALIFIER DEFINITIONS

Client Sample and Quality Control (QC) Sample Qualifier Definitions:

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Q-19 Blank Spike Duplicate (BSD) sample analyzed in place of Matrix Spike/Duplicate samples due to limited sample amount available for analysis.

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6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323 ORELAP ID: OR100062

Kennedy Jenks

Project: Tetra Pak --- 2021

421 SW 6th Avenue Suite 1000 Portland, OR 97204

Project Number: [none]

Project Manager: Matthew Grzegorzewski

Report ID: A1G0216 - 07 20 21 1252

REPORTING NOTES AND CONVENTIONS:

Abbreviations:

DET	Analyte DETECTED at or above the detection or reporting limit.						
ND	Analyte NOT DETECTED at or above the detection or reporting limit.						
NR	Result Not Reported						
RPD	Relative Percent Difference. RPDs for Matrix Spikes and Matrix Spike Duplicates are based on concentration, not recovery.						
Detection	Detection Limits: Limit of Detection (LOD)						
	Limits of Detection (LODs) are normally set at a level of one half the validated Limit of Quantitation (LOQ).						
	If no value is listed (''), then the data has not been evaluated below the Reporting Limit.						

Reporting Limits: Limit of Quantitation (LOQ)

Validated Limits of Quantitation (LOQs) are reported as the Reporting Limits for all analyses where the LOQ, MRL, PQL or CRL are requested. The LOQ represents a level at or above the low point of the calibration curve, that has been validated according to Apex Laboratories' comprehensive LOQ policies and procedures.

Reporting Conventions:

Results for soil samples are generally reported on a 100% dry weight basis. Basis:

The Result Basis is listed following the units as " dry", " wet", or " " (blank) designation.

" dry" Sample results and Reporting Limits are reported on a dry weight basis. (i.e. "ug/kg dry") See Percent Solids section for details of dry weight analysis.

" wet" Sample results and Reporting Limits for this analysis are normally dry weight corrected, but have not been modified in this case.

н н Results without 'wet' or 'dry' designation are not normally dry weight corrected. These results are considered 'As Received'.

QC Source:

In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spikes, a Lab Control Sample Duplicate (LCS Dup) may be analyzed to demonstrate accuracy and precision of the extraction batch.

Non-Client Batch QC Samples (Duplicates and Matrix Spike/Duplicates) may not be included in this report. Please request a Full QC report if this data is required.

Miscellaneous Notes:

n ____ n QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.

11 *** 11 Used to indicate a possible discrepancy with the Sample and Sample Duplicate results when the %RPD is not available. In this case, either the Sample or the Sample Duplicate has a reportable result for this analyte, while the other is Non Detect (ND).

Blanks:

Standard practice is to evaluate the results from Blank OC Samples down to a level equal to ½ the Reporting Limit (RL). -For Blank hits falling between 1/2 the RL and the RL (J flagged hits), the associated sample and QC data will receive a 'B-02' qualifier. -For Blank hits above the RL, the associated sample and QC data will receive a 'B' qualifier, per Apex Laboratories' Blank Policy. For further details, please request a copy of this document.

> The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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Darrell Auvil, Client Services Manager



Apex Laboratories, LLC

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323 ORELAP ID: OR100062

<u>Kennedy Jenks</u> 421 SW 6th Avenue Suite 1000

Portland, OR 97204

Project: <u>Tetra Pak --- 2021</u>

Project Number: [none] Project Manager: Matthew Grzegorzewski <u>Report ID:</u> A1G0216 - 07 20 21 1252

REPORTING NOTES AND CONVENTIONS (Cont.):

Blanks (Cont.):

Sample results flagged with a 'B' or 'B-02' qualifier are potentially biased high if the sample results are less than ten times the level found in the blank for inorganic analyses, or less than five times the level found in the blank for organic analyses.

'B' and 'B-02' qualifications are only applied to sample results detected above the Reporting Level.

Preparation Notes:

Mixed Matrix Samples:

Water Samples:

Water samples containing significant amounts of sediment are decanted or separated prior to extraction, and only the water portion analyzed, unless otherwise directed by the client.

Soil and Sediment Samples:

Soil and Sediment samples containing significant amounts of water are decanted prior to extraction, and only the solid portion analyzed, unless otherwise directed by the client.

Sampling and Preservation Notes:

Certain regulatory programs, such as National Pollutant Discharge Elimination System (NPDES), require that activities such as sample filtration (for dissolved metals, orthophosphate, hexavalent chromium, etc.) and testing of short hold analytes (pH, Dissolved Oxygen, etc.) be performed in the field (on-site) within a short time window. In addition, sample matrix spikes are required for some analyses, and sufficient volume must be provided, and billable site specific QC requested, if this is required. All regulatory permits should be reviewed to ensure that these requirements are being met.

Data users should be aware of which regulations pertain to the samples they submit for testing. If related sample collection activities are not approved for a particular regulatory program, results should be considered estimates. Apex Laboratories will qualify these analytes according to the most stringent requirements, however results for samples that are for non-regulatory purposes may be acceptable.

Samples that have been filtered and preserved at Apex Laboratories per client request are listed in the preparation section of the report with the date and time of filtration listed.

Apex Laboratories maintains detailed records on sample receipt, including client label verification, cooler temperature, sample preservation, hold time compliance and field filtration. Data is qualified as necessary, and the lack of qualification indicates compliance with required parameters.

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Apex Laboratories, LLC

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323 ORELAP ID: OR100062

<u>Kennedy Jenks</u> 421 SW 6th Avenue Suite 1000 Portland, OR 97204 Project: <u>Tetra Pak --- 2021</u>

Project Number: [none] Project Manager: Matthew Grzegorzewski <u>Report ID:</u> A1G0216 - 07 20 21 1252

LABORATORY ACCREDITATION INFORMATION

ORELAP Certification ID: OR100062 (Primary Accreditation) EPA ID: OR01039

All methods and analytes reported from work performed at Apex Laboratories are included on Apex Laboratories' ORELAP Scope of Certification, with the <u>exception</u> of any analyte(s) listed below:

Apex Laboratories

Matrix	Analysis	2	TNI_ID	Analyte	TNI_ID	Accreditation		
-	All reported analytes are included in Apex Laboratories' current ORELAP scope.							

Secondary Accreditations

Apex Laboratories also maintains reciprocal accreditation with non-TNI states (Washington DOE), as well as other state specific accreditations not listed here.

Subcontract Laboratory Accreditations

Subcontracted data falls outside of Apex Laboratories' Scope of Accreditation. Please see the Subcontract Laboratory report for full details, or contact your Project Manager for more information.

Field Testing Parameters

Results for Field Tested data are provded by the client or sampler, and fall outside of Apex Laboratories' Scope of Accreditation.

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6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323 ORELAP ID: OR100062

<u>Kennedy Jenks</u> 421 SW 6th Aven Portland, OR 972		Project:Tetra Pak 2021Project Number:[none]Project Manager:Matthew Grzegorzewski	<u>Report ID:</u> A1G0216 - 07 20 21 1252
	AP Client: <u>WMPLUY</u> Juu Project/Project #: <u>TUM</u> <u>Delivery Info:</u> Date/time received: <u>MX</u> @ Delivered by: Apex Client <u>A</u> E <u>Cooler Inspection</u> Date/time insp Chain of Custody included? Yes Signed/dated by client? Yes Signed/dated by Apex? Yes <u>Cooler #</u> Temperature (°C) <u>4.5</u> Received on ice? (Y/N) Received on ice? (Y/N) Temp. blanks? (Y/N) Lee type: (Gel/Real/Other) <u>Pual</u> Cooler out of temp? (V/N) Possible re Green dots applied to out of temperature Out of temperature samples form initi <u>Sample Inspection</u> : Date/time insp All samples intact? Yes <u>No</u>		
	COC/container discrepancies form ini Containers/volumes received appropri (4) 250 mL HCL ambe Do VOA vials have visible headspace Comments Water samples: pH checked: YesX_N Comments:	witness: Yes No Comments: Yes Submitted For DUP-1 Pres No NA No NA PH appropriate? Yes No No NA PH appropriate? Yes No No Cooler Inspected by	

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Sample Delivery Group: A1G0216 -Page 1

	Tetta	
Laboratory Reports included in Data Validation	Dates	Sample IDs
Laboratory: APEX Laboratories SDG: A1G0216	Report Date:	Aqueous Samples: MW-2, MW-5, MW-6, MW-7, MW-8
Analyses: 8270E	7/20/2021	Field Duplicate: DUP-1 (duplicate of MW-2)
	Sample Dates:	Equipment Blank: Not Collected
	7/7/2021-	Trip Blank: Not Collected
	7/7/2021	
	Validation Date:	
	7/28/2021	

DATA VALIDATION SUMMARY Tetra Pak GWM

Criteria	(Yes or No)	Comment
Chain-of-Custody (COC) - Chain-of-custody protocol followed?	Yes	
Temperature Blank – Sample temperature criteria met?	Yes	
Holding times – Samples analyzed within specified holding time?	Yes	
Laboratory method blank samples – Analytes present in method blank samples?	No	ň
Field/Equipment blank samples – Analytes present in field/equipment blank samples?	No	See Note
Trip blank samples – Analytes present in trip blank samples?	No	See Note
Matrix Spikes (MS)/Matrix Spike Duplicate (MSD) samples – Control limits met?	Yes	See Note
Surrogate percent recoveries – Control limits met?	Yes	
Laboratory Control Sample (LCS) – Control limits met?	Yes	
Laboratory duplicate samples (if applicable) - Control limits met?	Yes	See Note
Field duplicate samples (if submitted) – Relative percent differences within control limits?	No	See Note
Other Issues?	Yes	See Note

Field Blank Note: Not Collected Trip Blank Note: Not Collected MS/MSD Note: Not applicable Lab Duplicate Note: Not applicable Field Duplicate Note: The RPD for the duplicate pair MW-2 and DUP-1 was 0.0%. The RPD was within acceptance

Field Duplicate Note: The RPD for the duplicate pair MW-2 and DUP-1 was 0.0%. The RPD was within acceptance criteria, no action taken.

Other Note: Custody seals not present, no action taken.

SUMMARY

Overall, the findings with respect to the quality assurance/quality control (QA/QC) data do not adversely affect the use of the analytical results.

Attachment B

Groundwater Sampling and Purge Forms

WELL GAUGING DATA Project # 210707-FKI Date 7/7/21 Client Kennedy Jenks Site 3125 Thompson Ave Vancouver WA

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or	Notes
MW-1	0856	2		Diquid (III)	2.4	Dry	AH9.80	50.15	T	
MM-2	0911	2				0	45.93	50,19		
MM-2 MM-3	0925	12					45.15			
MW-5	0917	2					45.57			
MW-6	0850	2					44.24			
MW-7	0906	2					44.14	59.98		
MW-8	0901	2					42.79	54.49	V	
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8				<u></u>						
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		LOW F	LOW WE	LL MONI	TORING	DATA S	SHEET	
Project #: 210707-FK1				Client: Kennedy Jenks				
Sampler:	FK			Gauging D	Date: -	2/7/2	ا	
Well I.D.:	MW	-1		Well Dian	neter (in.) :	$\begin{pmatrix} 2 \end{pmatrix}$ 3	4 6 8	
Total Wel	ll Depth (f	and a second	0.15	Depth to V	Vater (ft.) :	Dr	V	
	Free Produ			Thickness	of Free Pr	oduct (fe	et):	
Reference	Contraction of the local division of the loc	(PVC)	Grade	Flow Cell	Type:			
Purge Metho Sampling M		2" Grundfo Dedicated			Peristaltic P New Tubing	-	Bladder Pump Other	
Start Purge	Fime:		Flow Rate: _				Pump Depth:	
Time	Temp. (°C or °F)	pН	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
		1-11		Dot	hart			
	-la	e II	<u>ì</u> S	DY.	105	amf	ple -	
			-tai	per				,
				$ \rangle$				/
							/	
	ļ,	¥		<u> </u>				1
			<u> </u>	1				L
Did well	dewater?	Yes	No				evaquated:	
Sampling	g T <i>i</i> me:	1-17-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-			Sampling	g Date:	/	
Sample /	́.D.:		and a support of the support		Laborato	ry: /		Went of the state
Analyzed	l for:	TPH-G	BTEX MT	BE TPH-D	<u> </u>	Other:		
Equipme	nt Blank I.	.D.:	@ Time		Duplicat	e I.D.:		

			LOW F	LOW WE	LL MONI	TORING	DATAS	HEEI		
Γ	Project #:	21070		Client:	Konnee	W IE	inks			
ſ	Sampler: TK				Gauging D	Gauging Date: 7/7/21				
	Well I.D.: MW-Z				Well Diam	eter (in.) :	(2) 3	4 6 8		
	Total Wel	l Depth (f	t.): 50	.19	Depth to V	Vater (ft.)	: 4	5.93		
	Depth to F	Free Produ	ict: -		Thickness	of Free Pr	oduct (fe	et):		
	Reference	d to:	PVC	Grade	Flow Cell	Туре:	1SI 55	6		
	Purge Metho Sampling Me		2" Grundfo Dedicated			Peristaltic P New Tubing		Bladder Pump Other	>	
	Start Purge T	ime. 1590	1539	Flow Rate: _	200 1	nymin		Pump Depth:	47.5	
	Time	Temp.	pН	Cond. (mS/cm or	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL))	Depth to Water (ft.)	
1592	1557	16.96	6.78	157	105	1.35	61.0	600	45.98	
1545	1555	15.52	6.71	155	27	1.07	93.9	1200	95.98	
0.0	1548	15.29	6.65	159	19	0.93	99.9	1800	45,98	
	1551	15.25	6.62	160	20	0.90	94.9	2400	45.48	
	1554	15.23	6.61	160	19	0.87	90,6	3000	45,98	
						$ \longrightarrow $				
								/		
							\bigwedge			
	Did well dewater? Yes No					Amount	actually e	vacuated: 3	acoml	
	Sampling	Time:	1557			Sampling	g Date:	JARI		
	Sample I.	D.: M	W-2	/		Laborato	ry: Af	Dex		
	Analyzed	for:	TPH-G	BTEX MT	BE TPH-D		Other	SIM PAL	Hs	
	Equipmer	nt Blank I.	.D.:	@ Time		Duplicat	e I.D.:	DUP-1		

		LOW F	LOW WE	LL MONI	FORING	DATAS	SHEET	
Project #:	21070	M-FKI		Client:	Kenne	dy J	enks	
Sampler:	FK			Gauging D	ate:	1 7	7/21	
Well I.D.:	MW.	·3		Well Diam	eter (in.) :	And the second second second	4 6 8	(12)
Total Wel	l Depth (fi	t.): 5	1.25	Depth to W	ater (ft.)	45	15	
Depth to I	Free Produ	ict:		Thickness	of Free Pr	oduct (fe	et):	
Reference	d to:	PVC	Grade	Flow Cell	Гуре:			
Purge Metho Sampling M	0	2" Grundfo Dedicated	Tubing		Peristaltic P New Tubing	-	Bladder Pump Other_	
Start Purge	Time:		Flow Rate: _				Pump Depth:	
Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
					/			
	-00	STUC	ition	on w	e11/1	inab	le to -	
	10	DINEC	nua	to to	wat	erle	ve/	Land Street St
			1	6				
				h				
				\backslash				
			/					/
			V					
		<u> </u>			<u>\</u>			
Did well	dewater?	Yes	No		Amount	actually e	evacuated:	
Sampling	Time:				Sampling	g Date:		
Sample I,	<i>b</i> .:				Laborato	ry:	/	
Analyzed	for:	TPH-G	BTEX MT	BE TPH-D		Other:		
Equipme	nt Blank I.	.D.:	@ Time		Duplicat	e I.D.:		

LOW FLOW WELL MONITORING DATA SHEET							
Project #: 210707-FK1	Client: Kennedy Jenks						
Sampler: FK	Gauging Date: 7/1/21						
Well I.D.: MW-5	Well Diameter (in.): 2 3 4 6 8						
Total Well Depth (ft.): 50,29	Depth to Water (ft.): 45,57						
Depth to Free Product:	Thickness of Free Product (feet):						
Referenced to: PVC Grade	Flow Cell Type: <u>Y51 556</u>						
Purge Method: 2" Grundfos Pump Sampling Method: Oedicated Tubing Start Purge Time: 622 Flow Rate:	Peristaltic Pump New Tubing Other 200 ml/min Pump Depth: Pump Depth:						
Time Temp. (°C)or °F) pH Cond. (mS/cm or µS/cm) 1625 17.63 6.87 193 1628 16.57 6.77 186 1631 16.31 6.75 185 1634 16.34 6.75 185 1631 16.35 6.73 184 1631 16.35 6.73 184 1637 16.35 6.73 184 1637 16.35 6.73 184							
	Amount actually evacuated: 3000 mL						
Did well dewater? Yes No	<u>Olailai</u>						
Sampling Time: 1640	Sampling Date: 7/7/21						
Sample I.D.: MW-5	Laboratory: APex						
	TBE TPH-D Other SIM PAHS						
Equipment Blank I.D.: (a)	Duplicate I.D.:						

LOW FLOW WE	ELL MONITORING DATA SHEET
Project #: 210707-FK1	Client: Kennedy Jenks
Sampler: FK	Gauging Date: 1/2/2
Well I.D.: MW-6	Well Diameter (in.) 2 3 4 6 8
Total Well Depth (ft.): 53.75	Depth to Water (ft.): 44.24
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVO Grade	Flow Cell Type: 151 556
Purge Method: 2" Grundfos Pump Sampling Method: Dedicated Tubing Start Purge Time: 1416 Flow Rate:	Peristaltic Pump New Tubing Other 20004/01/0 Pump Depth:
Temp. Cond. (mS/cm or Time (°O or °F) pH (uS/cm)	
1419 18.54 6.80 214	1.67 0 47.2 47.2 600 99.24
1422 18.13 6.76 211	16 1.40 47.6 1200 44.24
1425 18236:11 22	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
1431 18.20 6.75 213	15 1.20 43.1 3000 44.24
1901 10:00 0: 13 010	
Did well dewater? Yes No	Amount actually evacuated: 3000 ML
Sampling Time: 1434	Sampling Date: 7/7/21
Sample I.D.: MW-6	Laboratory: APOX
Analyzed for: TPH-G BTEX M	ITBE TPH-D Other: 51M PAHS
Equipment Blank I.D.:	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET
Project #: 20707-FKI Client: Kenedy Jenks
Sampler: FK Gauging Date: 7/7/21
Well I.D.: MW-7 Well Diameter (in.): 2 3 4 6 8
Total Well Depth (ft.): 54,48 Depth to Water (ft.): 44.14
Depth to Free Product: Thickness of Free Product (feet):
Referenced to: PVC Grade Flow Cell Type: 151 556
Purge Method: 2" Grundfos Pump Peristaltic Pump Sampling Method: Dedicated Tubing New Tubing Start Purge Time: 458 Flow Rate: 200 M/Min
Temp. Cond. Turbidity (NTUs) D.O. ORP (mV) Water Removed (gals. (mL)) Depth to Water (ft.) 1501 15.65 6.73 179 200 1.50 100.0 600 44.17 1904 15.58 6.66 178 166 1.12 101.7 1200 44.17 1501 15.50 6.67 177 744 1.06 17.1 180.0 44.17 1501 15.12 6.67 177 744 1.06 17.1 180.0 44.17 1510 15.12 6.67 177 722 1.00 01.9 24000 44.17 1510 15.12 6.60 176 224 0.47 98.7 3000 44.17 1516 15.13 6.60 176 24 0.49 98.7 3000 44.17 1516 15.13 6.40 176 24 0.49 98.7 3000 44.17 1516 15.13 6.40 176 24 0.49 47.17 44.17 1516 15.13 </td
Did well dewater? Yes (No) Amount actually evacuated: 3600 M-
Sampling Time: $15 9$ Sampling Date: $7/7/21$
Sample I.D.: MW-7 Laboratory: APEX
Analyzed for: TPH-G BTEX MTBE TPH-D Other SIM PAHS
Equipment Blank I.D.: <i>Time</i> Duplicate I.D.:

LOW FLOW WI	ELL MONITORING DATA SHEET										
Project #: 2107077FK1	Client: Kennedy JenKS										
Sampler: FK	Gauging Date: 7/7/2(
Well I.D.: MW-8	Well Diameter (in.) : 2 3 4 6 8										
Total Well Depth (ft.): 54,49	epth to Water (ft.): 42.79										
Depth to Free Product:	Thickness of Free Product (feet):										
Referenced to: PVC Grade	Flow Cell Type: Y5 556										
Purge Method: 2" Grundfos Pump Sampling Method: Dedicated Tubins Start Purge Time: 1656 Flow Rate:	Peristaltic Pump New Tubing Other 200 M/min Pump Depth: 48										
Temp. Cond. (mS/cm or Time (°O or °F) pH µS/cm)	r Turbidity D.O. ORP Water Removed Depth to Water (NTUs) (mg/L) (mV) (gals. or mL) (ft.)										
1659 19.95 6.64 222	20 1.40 80.6 600 42.79										
1702 19.336.60 217	16 1.29 76.7 1200 42.M										
105 19.10 6.58 213	11 1.07 82.0 1800 42.79 10 1.01 7.7 2400 42.79										
1708 19.06 6.58 211	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$										
111 19:010:57 010											
Did well dewater? Yes (No)	Amount actually evacuated: 3000 ML										
Sampling Time: 714	Sampling Date: 7/21										
Sample I.D.: MW-8	Laboratory: APEX										
Analyzed for: TPH-G BTEX M	TBE TPH-D Other 51M PAHS										
Equipment Blank I.D.: @	Duplicate I.D.:										

APEX LABS

CHAIN OF CUSTODY

APEX LABS 6700 SW Sandburg St., Tigard, OF	R 97223	Ph: 50	3-718-2	323		CF	IA	IN	0	FC	CU	ŚТ	'O]	DY		****	1]*+az	Lab # _		е 1 в		\$	C	:oc _]	of	
Company: Kennedy, Jenks		Project	Mgr: M	3+++1	6120	2010	5-2	erk	iki	Proj	ect N	ame:	T	etr	a	Po	K				Proje	ct #:		8	9 1. 1. 1		
Address: 3125 Thomas	on f	NP.	lanco	UVer	· /A	Phone	:50	3-4	23	-40	<u>5</u>	Emai	1:		20 E0	-		-		Succession of the	PO #		000000		No. In The last	N-W IN	Arge try
Sampled by: Frister Kar	1	37 12	,													ANA	: \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	REC	WEST		in I						調査
Site Location:														ist					Al, Sh, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Hg, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Tl,								
OR WA CA					RS					S		List		8270 Semi-Vols Full List		3		(13)	Cd. Cd.	TCLP	0						
AK ID					AINE	CD.	* X.	×		M VO	VOC	Full	AHS	Vols]			tals (S	etals	a, Be Fe, Pt K, Se,	DISS.	als (8		,				
	#0			XT	# OF CONTAINERS	NWTPH-HCID	NWTPH-Dx	NWTPH-Gx	8260 BTEX	8260 RBDM VOCs	8260 Halo VOCs	8260 VOCs Full List	8270 SIM PAHs	Semi-	8082 PCBs	Pest	RCRA Metals (8)	Priority Metals (13)	As, B Cu, J	DI	TCLP Metals (8)						
	LAB ID #	DATE	TIME	MATRIX	OF C	IMN	TWN	TWN	3260]	8260]	8260]	8260	8270	3270 5	8082	8081 Pest	RCR	Prior	L Sh, F, Co, M,	V, Zh TOTAL	TCLI						
SAMPLE ID MIN-2-		7/2	1000	Ŵ	2	-	H						$\frac{1}{X}$					1531	AOX	28					+	+	1
MW-5		75	10401	EX_	2		0-0001453						X														-
MW-6		7/7	1274	RU	2		Cont 1	A					×													-	
MIN-7		7/2	1205	En l	2								7										•				
MW-8		7/7.	#21	UN	1			1					X														
DUP-1		7/7	1714	N	4.								X											ľ			
		(1000																		N.						
5												1														_	
1										- 45																_	
			1000 A 1000									ODT	CIAI	DIG	TDI												
Normal '												SPE		- 1119	IROA		<u>Nð</u> :										
TAT Requested (circle)	1 Da	y	2 Day		3 Day	y															ġ.						
	4 DA	Y	5 DAY		0	ther:	<u>, 12 -</u>	s									100										
	MPLES /	ARE HELD											JONI		D DI						Inno	EIVEI) D1/.				
RELINQUISHED BY:	Date 7/	; 08k 8/31	RECEI [®] Signature	A	i A	2		Date:	Í.	12/	6		ature:	ISHE	лвт	;			Dat	e:	Signa		<i>)</i> BY:		Da	lc:	
Printed Name: FOSTEC FORTE	Time	18D	Printed 1	Vame:	7			Time:	2:2	10		Print	ted Na	me:					Tim	e:	Print	ed Nam	ıe; '~		Ti	ne:	
Company: BLAINS TECA	4.		Compan	y: M	r YEX	30. 8	ii.					Com	прапу:								Com	pany:					
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NOTES:

BLAINE TECH SERVICES, INC.

SAN DIEGO SEATTLE

www.blainetech.com

PROJECT NAME TETRA Pak PROJECT NUMBER 210707-9761 CALIBRATED TO: EQUIPMENT DATE/TIME STANDARDS EQUIPMENT EQUIPMENT INITIALS OR WITHIN 10%: TEMP. READING NUMBER OF TEST USED NAME 9.02 7.03 10.04 3910 as/an 10 1.09 17,23° 17,18° 17,27° 17,09° 17,95° PH 4 FK YSI 556 BTS #4 7/7/21 020 J 10 cord 3900 askin FK DO 100% V 17.160 FK ORP 251.9 MW 250, 5 my

20

TEST EQUIPMENT CALIBRATION LOG

SPI	H or Pur	ge Water	Drum Lo	og		
Client: Kenned	Jent	15	,			
Site Address: 3/25 Tho	mosca	Ave V	ancous	ler w	A	
STATUS OF DRUM(S) UPON	ARRIVAL					
Date	7/7/21					
Number of drum(s) empty:	<u>'0'</u>					
Number of drum(s) 1/4 full:	0					The second s
Number of drum(s) 1/2 full:	0					
Number of drum(s) 3/4 full:	0					
Number of drum(s) full:	Ō					
Total drum(s) on site:	\mathcal{O}					
Are the drum(s) properly labeled?						
Drum ID & Contents:	~~					
If any drum(s) are partially or totally filled, what is the first use date:						

- If you add any SPH to an empty or partially filled drum, drum must have at least 20 gals. of Purgewater or DI Water.

-If drum contains SPH, the drum MUST be steel AND labeled with the appropriate label.

-All BTS drums MUST be labeled appropriately.

STATUS OF DRUM(S) UPON	DEPARTL	JRE		generation of the		
Date	1/7/21					
Number of drums empty:	0'					
Number of drum(s) 1/4 full:	1					
Number of drum(s) 1/2 full:	0					
Number of drum(s) 3/4 full:	0					
Number of drum(s) full:	0					
Total drum(s) on site:	l 1,					
Are the drum(s) properly labeled?	Yes					
Drum ID & Contents:	purge & deco	ñ .			Mitter	
LOCATION OF DRUM(S)						
Describe location of drum(s): 1	side de	emical	Stamp	so sted	by	
Describe location of dram(s).	NUC Y	prover	0.01-10	C OFF	10/1	
	ent	rance		p or per	i d'	
	iside d ent	rance		<u>р опрела</u>	•°0 ·	
FINAL STATUS Number of new drum(s) left on site	ent	rance			₩ŋ.	
FINAL STATUS Number of new drum(s) left on site this event	ent I 7/1/21	rance			•°J ·	
FINAL STATUS Number of new drum(s) left on site this event Date of inspection:	1	nance			•°J ·	
FINAL STATUS Number of new drum(s) left on site this event	1	nance			•° (7 -	