Appendix B, Table B.1 - Summary of Groundwater Analytical Data - Total Petroleum Hydrocarbons

2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	TPH		
				Analyte	GRO	DRO	DRO - EP
				CAS	TPH-GRO	TPH-DRO	TPH-DRO
				Units	mg/L	mg/L	mg/L
				CGWSL	0.0101	0.0858	0.0167
				CGWSL Source	NMED TPH		
Area	Well ID	Date	Dup				
Cross-Gradient	KWB-13	Apr-21			**0.0527** J	
	KWB-13	Apr-22			**<0.0247**	
	KWB-13	Mar-23			**0.0486** JB	
	KWB-13	Apr-24			**<0.0247**	
	MW-136	Apr-22		<0.0314	**0.0485** J	
	MW-136	Oct-22		**0.0314** J	**0.124**	
	MW-136	Mar-23		**0.0334** JB	**0.181** B	
	MW-136	Oct-23		<0.0314	**<0.0247**	
	MW-136	Oct-24		<0.0314	**0.159** B	
	MW-149	Oct-23			**0.0999** J	
	MW-149	Apr-24			**0.0687** J	
	MW-149	Oct-24			**0.0634** JB	
	MW-150	Oct-23			**0.0971** J	
	MW-150	Apr-24		<0.0314	**0.205**	
	MW-150	Oct-24			**0.0965** JB	
	NP-5	Apr-17			**<0.0247**	
	NP-5	Apr-19			**<0.0247**	
	NP-5	Apr-21			**0.0663** J	
	NP-5	Mar-23			**0.207** B	
	RA-3156	Apr-19				
	RA-3156	Jun-20				
	RA-3156	Apr-21				
	RA-3156	Apr-22				
Evaporation Ponds	MW-1R	Apr-21				**0.124**
	MW-1R	Apr-22				**0.0957** J
	MW-1R	Mar-23				**0.0483** J
	MW-1R	Apr-24				**0.0979** J
	MW-2A	Apr-22		**0.0387** JB		**0.0837** JB
	MW-2A	Oct-22		<0.0314		**0.151**
	MW-2A	Mar-23		**0.115** B		**8.94**
	MW-2A	Oct-23		<0.0314		**0.112** B
	MW-2A	Apr-24		<0.0314		**0.0827** J
	MW-2A	Oct-24		<0.0314		**0.127**
	MW-3	Apr-22		**0.446**		**6.46**
	MW-3	Apr-22	FD	<0.157		**6.38**
	MW-3	Oct-22		**0.394** B		**8.39**
	MW-3	Oct-22	FD	**0.398**		**8.21**
	MW-3	Mar-23		**1.00** JB		**5.02**
	MW-3	Mar-23	FD	**1.30** JB		**4.95**
	MW-3	Oct-23		**0.302**		**6.85**
	MW-3	Oct-23	FD	**0.401**		**7.24**
	MW-3	Apr-24		**0.241**		**8.64**
	MW-3	Apr-24	FD	**0.247**		**8.59**
	MW-3	Oct-24		**0.567**		**8.53**
	MW-3	Oct-24	FD	**0.536** B		**8.22**
	MW-4A	Apr-22		**0.605**		**5.86**
	MW-4A	Oct-22		**0.507** Q		**6.46**
	MW-4A	Mar-23		**1.58** JB		**5.62**
	MW-4A	Oct-23		**0.726** J		**5.80**
	MW-4A	Apr-24		**0.874** J		**8.32** J3
	MW-4A	Oct-24		**0.311** Q		**7.87**
	MW-4B	Apr-17		**0.318**		**1.21**
	MW-4B	Apr-19		**0.181**		**1.13**
	MW-4B	Apr-21		**0.176** B		**0.970**
	MW-4B	Mar-23		**0.159** B		**1.66**
	MW-5A	Apr-22		**1.75**		**5.82**
	MW-5A	Oct-22		**0.887**		**1.92**
	MW-5A	Mar-23		**1.60**		**0.145** B
	MW-5A	Oct-23		**1.34**		**5.28**
	MW-5A	Apr-24		**1.73**		**5.99** J3
	MW-5A	Oct-24		**1.79**		**5.89**
	MW-5B	Apr-17		**2.08**		**11.2**
	MW-5B	Apr-19		**1.82**		**11.5**
	MW-5B	Apr-21		**0.0371** JB		**0.389**
	MW-5B	Mar-23		**1.67**		**1.13**
	MW-5C	Apr-17		<0.0314		**0.500**
	MW-5C	Apr-19		**0.0423** JB		**0.442**
	MW-5C	Apr-21		**1.98**		**11.3**
	MW-5C	Mar-23		**0.109** B		**0.281**
	MW-6A	Apr-21		**0.356** B		**6.04**
	MW-6A	Apr-22		**0.421**		**8.03**
	MW-6A	Mar-23		**0.599** B		**0.167** B
	MW-6A	Apr-24		**0.218**		**6.68**
	MW-6B	Apr-17		<0.0314		**0.276**
	MW-6B	Apr-19		**0.0356** J		**0.427**
	MW-6B	Apr-21		**0.0463** JB		**0.346**
	MW-6B	Mar-23		**0.0964** JB		**0.301** B
	MW-7A	Apr-22		**0.263**		**0.870**
	MW-7A	Apr-22	FD	**0.254**		**0.873**
	MW-7A	Oct-22		**0.285**		**0.842**
	MW-7A	Oct-22	FD	**0.280**		**1.39**
	MW-7A	Mar-23		**0.325** B		**0.702**
	MW-7A	Mar-23	FD	**0.242**		**0.734**
	MW-7A	Oct-23		**0.279**		**0.904**
	MW-7A	Oct-23	FD	**0.299**		**0.735**
	MW-7A	Apr-24		**0.264**		**0.937** J3
	MW-7A	Apr-24	FD	**0.297**		**0.920** J3
	MW-7A	Oct-24		**0.333** B		**0.862**
	MW-7A	Oct-24	FD	**0.344** B		**0.872**
	MW-7B	Apr-17		<0.0314		**0.0845** J
	MW-7B	Apr-19		**0.0647** JB		**0.0676** J
	MW-7B	Apr-21		**0.0342** J		**0.0850** J
	MW-7B	Mar-23		**0.0911** JB		**<0.0247**
	MW-10	Apr-22		**0.426**		**1.67**
	MW-10	Oct-22		**1.11**		**1.73**
	MW-10	Mar-23		**1.43** JB		**1.27**
	MW-10	Oct-23		**0.342**		**1.88**
	MW-10	Apr-24		<0.628		**1.52** J3
	MW-10	Oct-24		**0.670** J		**1.39**
	MW-11A	Apr-22		<0.0314		**0.0464** J
	MW-11A	Oct-22				
	MW-11A	Mar-23		<0.0314		**0.108**
	MW-11A	Oct-23				
	MW-11A	Apr-24		<0.0314		**0.0527** JBJ3
	MW-11A	Oct-24				
	MW-11B	Apr-17		<0.0314		**<0.0247**
	MW-11B	Apr-19		**0.0345** JB		**<0.0247**
	MW-11B	Apr-21		<0.0314		**0.0402** J
	MW-11B	Mar-23		<0.0314		**0.0926** J

				Analyte Group	TPH		
				Analyte	GRO	DRO	DRO - EP
				CAS	TPH-GRO	TPH-DRO	TPH-DRO
				Units	mg/L	mg/L	mg/L
				CGWSL	0.0101	0.0858	0.0167
				CGWSL Source	NMED TPH		
Area	Well ID	Date	Dup				
Evaporation Ponds	MW-15	Apr-21		**0.0455** J		**0.358**	
	MW-15	Apr-22		**0.0437** J		**0.719**	
	MW-15	Mar-23		<0.0314		**0.377**	
	MW-15	Apr-24		**0.0324** J		**0.459**	
	MW-18A	Apr-22				**0.495**	
	MW-18A	Oct-22				**0.417**	
	MW-18A	Mar-23				**0.331**	
	MW-18A	Oct-23				**0.382**	
	MW-18A	Apr-24				**0.442**	
	MW-18A	Oct-24				**0.449**	
	MW-18B	Apr-17		**0.0932** J		**0.287**	
	MW-18B	Apr-19		**0.105** B		**0.230**	
	MW-18B	Apr-21		**0.0456** J		**0.335**	
	MW-18B	Mar-23		<0.0314		**0.310**	
	MW-22A	Apr-22		**0.955**		**3.11**	
	MW-22A	Apr-22	FD	**0.989**		**3.11**	
	MW-22A	Oct-22		**0.824**		**1.36**	
	MW-22A	Oct-22	FD	**0.750** Q		**0.839**	
	MW-22A	Mar-23		**2.45** B		**1.50**	
	MW-22A	Mar-23	FD	**3.11** B		**1.42**	
	MW-22A	Oct-23		**2.11**		**4.34**	
	MW-22A	Oct-23	FD	**2.13**		**3.99**	
	MW-22A	Apr-24		**1.13**		**4.45**	
	MW-22A	Apr-24	FD	**1.18**		**4.38**	
	MW-22A	Oct-24		**1.69**		**4.15**	
	MW-22A	Oct-24	FD	**1.77**		**4.14**	
	MW-22B	Apr-17		**1.76**		**5.25**	
	MW-22B	Apr-19		**2.58**		**4.77**	
	MW-22B	Apr-21		**1.97**		**5.69**	
	MW-22B	Mar-23		**2.97** B		**4.57**	
	MW-70	Apr-22		**1.18**		**1.10**	
	MW-70	Oct-22		**2.10**		**1.04**	
	MW-70	Mar-23		**1.54**		**0.816**	
	MW-70	Oct-23		**2.47**		**0.857**	
	MW-70	Apr-24		**1.03**		**1.09**	
	MW-70	Oct-24		**2.41**		**0.816**	
	MW-72	Apr-21		**0.0371** JB		**0.362**	
	MW-72	Apr-22		**0.0505** JB		**0.281** B	
	MW-72	Mar-23		**0.149** B		**0.110** B	
	MW-72	Apr-24		**0.0827** J		**0.183**	
	MW-73	Apr-21		**0.426**		**3.48**	
	MW-73	Apr-22		**0.363** B		**2.17**	
	MW-73	Mar-23		**1.39** JB		**2.39**	
	MW-73	Apr-24		<0.628		**1.84**	
	MW-74	Apr-22		**1.66**		**17.4**	
	MW-74	Oct-22		**2.16**		**15.6**	
	MW-74	Mar-23		**0.603**		**13.4**	
	MW-74	Oct-23		**2.13**		**9.63**	
	MW-74	Apr-24		**1.19**		**8.58**	
	MW-74	Oct-24		**2.05**		**10.6**	
	MW-75	Apr-22		**1.07**		**14.6**	
	MW-75	Oct-22		**3.34**		**18.8**	
	MW-75	Mar-23		**2.39** B		**12.9**	
	MW-75	Oct-23		**3.31**		**13.7**	
	MW-75	Apr-24		**1.59**		**9.52**	
	MW-75	Oct-24		**3.61**		**16.7**	
	MW-76	Apr-22		**0.890**		**8.17**	
	MW-76	Oct-22		**0.537**		**7.14**	
	MW-76	Mar-23		**1.69** JB		**7.16**	
	MW-76	Oct-23		**0.663**		**8.79**	
	MW-76	Apr-24		**0.426**		**8.58**	
	MW-76	Oct-24		**0.793**		**8.64**	
	MW-77	Apr-21		**0.649**		**68.5**	
	MW-77	Apr-22		**0.193**		**69.0**	
	MW-77	Mar-23		**1.73** JB		**40.9**	
	MW-77	Apr-24		**0.212**		**61.3**	
	MW-78	Apr-21		**0.0950** J		**385**	
	MW-78	Apr-22		<0.157		**32.5**	
	MW-78	Mar-23		<0.628		**29.1**	
	MW-78	Apr-24		**0.0669** J		**29.1**	
	MW-79	Apr-22		**0.0515** JB		**0.351**	
	MW-79	Oct-22		<0.0314		**0.333**	
	MW-79	Mar-23		**0.0550** JB		**0.177**	
	MW-79	Oct-23		<0.0314		**0.415**	
	MW-79	Apr-24		<0.0314		**0.400**	
	MW-79	Oct-24		**0.0436** J		**0.427**	
	MW-80	Apr-21		<0.0314		**0.254** B	
	MW-80	Apr-22		**0.0418** JB		**0.0947** JB	
	MW-80	Mar-23		**0.0461** JB		**0.0890** J	
	MW-80	Apr-24		<0.0314		**0.0867** J	
	MW-81	Apr-21		<0.0314		**0.866** B	
	MW-81	Apr-22		**0.0517** JB		**0.596**	
	MW-81	Mar-23		**0.0464** JB		**0.606**	
	MW-81	Apr-24		<0.0314		**0.722**	
	MW-82	Apr-21		**0.216**		**1.75**	
	MW-82	Apr-22		**0.257** B		**3.71**	
	MW-82	Mar-23		**0.211** B		**3.95**	
	MW-82	Apr-24		**0.147**		**1.90**	
	MW-83	Apr-22		**0.312**		**13.7**	
	MW-83	Oct-22		**0.149**		**16.6**	
	MW-83	Mar-23		**0.683** JB		**13.2**	
	MW-83	Oct-23		**0.447**		**12.9**	
	MW-83	Apr-24		**0.517**		**8.61**	
	MW-83	Oct-24		**0.935**		**13.0**	
	MW-84	Apr-22		**0.279**		**79.4**	
	MW-84	Oct-22		**0.855**		**42.2**	
	MW-84	Mar-23		**1.07** JB		**70.5**	
	MW-84	Oct-23		**1.05**		**66.8**	
	MW-84	Apr-24		**0.397**		**54.9**	
	MW-84	Oct-24		**0.997**		**78.0**	
	MW-86	Jun-20		**1.77** J		**93.9**	
	MW-86	Oct-20		<6.28		**80.2**	
	MW-87	Apr-22		<0.0314		**0.386**	
	MW-87	Oct-22		<0.0314		**0.282**	
	MW-87	Mar-23		<0.0314		**0.363**	
	MW-87	Oct-23		**0.0389** J		**0.328**	
	MW-87	Apr-24		<0.0314		**0.294**	
	MW-87	Oct-24		**0.0477** JB		**0.365**	

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Appendix B, Table B.1 - Summary of Groundwater Analytical Data - Total Petroleum Hydrocarbons

2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	TPH		
				Analyte	GRO	DRO	DRO - EP
				CAS	TPH-GRO	TPH-DRO	TPH-DRO
				Units	mg/L	mg/L	mg/L
				CGWSL	0.0101	0.0858	0.0167
				CGWSL Source	NMED TPH		
Area	Well ID	Date	Dup				
Evaporation Ponds	MW-88	Apr-22		<0.0314		0.458	
	MW-88	Oct-22		0.0489 J		0.460	
	MW-88	Mar-23		0.115 B		0.421	
	MW-88	Oct-23		0.109		0.292 Q	
	MW-88	Apr-24		0.0880 J		0.728	
	MW-88	Oct-24		0.164 B		0.545	
	MW-120	Apr-22		0.0765 JB		0.240	
	MW-120	Oct-22		0.0449 J		0.640	
	MW-120	Mar-23		0.106 B		0.274 B	
	MW-120	Oct-23		<0.0314		0.353	
	MW-120	Apr-24		<0.0314		0.302	
	MW-120	Oct-24		0.0474 J		0.264	
	MW-121	Apr-22		<0.0314		0.115	
	MW-121	Oct-22		<0.0314		0.245	
	MW-121	Mar-23		0.0790 JB		0.706	
	MW-121	Oct-23		<0.0314		0.182	
	MW-121	Apr-24		<0.0314		0.163	
	MW-121	Oct-24		<0.0314		0.178	
	MW-122	Apr-22		0.0541 JB		0.202 B	
	MW-122	Oct-22		<0.0314		0.165	
	MW-122	Mar-23		0.0871 JB		0.282 B	
	MW-122	Oct-23		<0.0314		0.0858 J	
	MW-122	Apr-24		<0.0314		0.101	
	MW-122	Oct-24		0.0662 J		0.107	
	MW-123	Apr-22		0.956		2.14	
	MW-123	Oct-22		0.793		2.09	
	MW-123	Mar-23		0.858		1.82	
	MW-123	Oct-23		0.536		1.60	
	MW-123	Apr-24		0.234		1.84 J3	
	MW-123	Oct-24		0.350		1.69	
	MW-124	Apr-22		<0.0314		0.0566 J	
	MW-124	Oct-22		<0.0314		0.0283 J	
	MW-124	Mar-23		<0.0314		0.0813 J	
	MW-124	Oct-23		<0.0314		<0.0247	
	MW-124	Apr-24		<0.0314		0.205	
	MW-124	Oct-24		0.0493 JB		0.0388 JB	
	OCD-1R	Apr-22		0.0387 JB		0.176	
	OCD-1R	Oct-22		<0.0314		0.227	
	OCD-1R	Mar-23		0.0680 JB		0.283	
	OCD-1R	Oct-23		0.0441 J		<0.0247	
	OCD-1R	Apr-24		<0.0314		0.159 JB3	
	OCD-1R	Oct-24		0.0556 JB		0.125 B	
	OCD-2A	Apr-22		0.0328 JB		0.0656 J	
	OCD-2A	Oct-22		<0.0314		0.0796 J	
	OCD-2A	Mar-23		0.0579 JB		0.166	
	OCD-2A	Oct-23		<0.0314		<0.0247	
	OCD-2A	Apr-24		<0.0314		0.109 JB3	
	OCD-2A	Oct-24		0.0376 JB		0.0535 JB	
	OCD-3	Apr-22		<0.0314		0.0720 J	
	OCD-3	Oct-22		<0.0314		<0.0247	
	OCD-3	Mar-23		<0.0314		0.126	
	OCD-3	Oct-23		<0.0314		<0.0247	
	OCD-3	Apr-24		<0.0314		0.0861 JBJ3	
	OCD-3	Oct-24		0.0453 JB		0.0933 JB	
	OCD-4	Apr-22		<0.0314		0.0558 J	
	OCD-4	Oct-22		<0.0314		<0.0247	
	OCD-4	Mar-23		<0.0314		0.113	
	OCD-4	Oct-23		<0.0314		<0.0247	
	OCD-4	Apr-24		<0.0314		0.0717 JBJ3	
	OCD-4	Oct-24		0.0407 JB		0.0783 JB	
	OCD-5	Apr-22		0.428		0.954	
	OCD-5	Oct-22		0.794		1.03	
	OCD-5	Mar-23		<0.628		0.988	
	OCD-5	Oct-23		0.535		0.625	
	OCD-5	Apr-24		0.412		4.36	
	OCD-5	Oct-24		0.621		0.767	
	OCD-6	Apr-22		0.256 B		0.686	
	OCD-6	Oct-22		0.230		0.744	
	OCD-6	Mar-23		0.294 B		0.0767 JB	
	OCD-6	Oct-23		0.350		0.788	
	OCD-6	Apr-24		0.141		0.653	
	OCD-6	Oct-24		0.240		0.839	
	OCD-7AR	Apr-22		1.43		3.79	
	OCD-7AR	Oct-22		1.24		4.06	
	OCD-7AR	Mar-23		1.16 B		0.137 B	
	OCD-7AR	Oct-23		1.56 J		3.08	
	OCD-7AR	Apr-24		0.934		3.53	
	OCD-7AR	Oct-24		0.741		3.68	
	OCD-7B	Apr-17		<0.0314		0.0746 J	
	OCD-7B	Apr-19		<0.0314		0.0638 J	
	OCD-7B	Apr-21		0.0516 JB		0.128	
	OCD-7B	Mar-23		0.119 B		5.46	
	OCD-8A	Apr-22		0.524		1.75	
	OCD-8A	Oct-22		0.255 B		0.816	
	OCD-8A	Mar-23		0.274		1.33	
	OCD-8A	Oct-23		1.40		2.60	
	OCD-8A	Apr-24		1.08		3.16 J3	
	OCD-8A	Oct-24		1.33		3.37	
	OCD-8B	Apr-17		<0.0314		0.585	
	OCD-8B	Apr-19		0.0648 JB		0.612	
	OCD-8B	Apr-21		0.0690 J		0.632	
	OCD-8B	Mar-23		<0.0314		0.581	
Field East of Refinery	KWB-1A	Oct-22			0.182		
	KWB-1A	Mar-23			0.356 B		
	KWB-1A	Oct-23			0.109		
	KWB-1A	Apr-24			0.363		
	KWB-1A	Oct-24			0.355		
	KWB-1C	Apr-17			0.140		
	KWB-1C	Apr-19			0.0921 J		
	KWB-1C	Apr-21			0.0847 J		
	KWB-1C	Mar-23			0.143 B		
	KWB-7	Apr-22			1.07		
	KWB-7	Oct-22			2.14		
	KWB-7	Mar-23			1.27		
	KWB-7	Oct-23			0.605		
	KWB-7	Apr-24			1.13		
	KWB-7	Oct-24			1.32		

				Analyte Group	TPH		
				Analyte	GRO	DRO	DRO - EP
				CAS	TPH-GRO	TPH-DRO	TPH-DRO
				Units	mg/L	mg/L	mg/L
				CGWSL	0.0101	0.0858	0.0167
				CGWSL Source	NMED TPH		
Area	Well ID	Date	Dup				
Field East of Refinery	KWB-8	Apr-17				3.41	
	KWB-8	Oct-17				3.30	
	KWB-8	Oct-20				6.80	
	KWB-10R	Apr-17				4.01	
	KWB-10R	Oct-17				5.18	
	KWB-10R	Apr-18				3.23	
	KWB-10R	Oct-18				3.35	
	KWB-11A	Oct-22			0.153	0.341	
	KWB-11A	Mar-23			0.335 B	1.70	
	KWB-11A	Oct-23			0.0683 J	<0.0247	
	KWB-11A	Apr-24			0.0987 J	0.872	
	KWB-11A	Oct-24			0.0758 JB	0.103 B	
	KWB-11B	Apr-22			<0.0314	0.0827 J	
	KWB-11B	Oct-22			<0.0314	0.0733 J	
	KWB-11B	Mar-23			<0.0314	0.109 B	
	KWB-11B	Oct-23			<0.0314	<0.0247	
	KWB-11B	Apr-24			<0.0314	0.0949 J	
	KWB-11B	Oct-24			0.0479 JB	0.0829 JB	
	KWB-12A	Sep-21			<0.0314	<0.0247	
	KWB-12A	Oct-22			<0.0314	0.0451 J	
	KWB-12A	Oct-23			<0.0314	<0.0247	
	KWB-12A	Oct-24			<0.0314	0.416	
	KWB-12B	Apr-22			<0.0314	<0.0247	
	KWB-12B	Apr-22	FD		<0.0314	<0.0247	
	KWB-12B	Oct-22			<0.0314	<0.0247	
	KWB-12B	Oct-22	FD		<0.0314	<0.0247	
	KWB-12B	Mar-23			<0.0314	0.0702 JB	
	KWB-12B	Mar-23	FD		<0.0314	0.129 B	
	KWB-12B	Oct-23			<0.0314	<0.0247	
	KWB-12B	Oct-23	FD		<0.0314	<0.0247	
	KWB-12B	Apr-24			<0.0314	0.0767 J	
	KWB-12B	Apr-24	FD		<0.0314	0.0523 J	
	KWB-12B	Oct-24			<0.0314	<0.0247	
	KWB-12B	Oct-24	FD		<0.0314	<0.0247	
	KWB-P4	Apr-17				0.0526 J	
	KWB-P4	Apr-19				0.0361 J	
	KWB-P4	Apr-21				0.0330 J	
	KWB-P4	Mar-23				0.0962 J	
	MW-57	Oct-20			0.0579 J	0.0475 JB	
	MW-57	Apr-21			<0.0314	0.117	
	MW-57	Sep-21			<0.0314	<0.0247	
	MW-57	Apr-22			<0.0314	0.0636 J	
	MW-58	Oct-17				9.77	
	MW-58	Apr-18				5.73	
	MW-58	Oct-18				4.86	
	MW-58	Oct-19				12.1	
	MW-111	Oct-18			1.36	2.63	
	MW-111	Apr-19			1.88	1.54	
	MW-111	Oct-19			1.37	1.80	
	MW-111	Jun-20			3.86	1.77	
	MW-112	Nov-14			28.0	2.20	
	MW-113	Apr-22			1.30	0.328	
	MW-113	Apr-22	FD		1.24	0.334	
	MW-113	Oct-22			22.1	4.82	
	MW-113	Oct-22	FD		24.1	3.86	
	MW-113	Mar-23			1.92	0.612	
	MW-113	Mar-23	FD		1.85	0.729	
	MW-113	Oct-23			25.1	3.81	
	MW-113	Oct-23	FD		24.5	3.88	
	MW-113	Apr-24			2.58	0.281	
	MW-113	Apr-24	FD		1.33	0.283	
	MW-113	Oct-24			11.3	2.01	
	MW-113	Oct-24	FD		11.7	3.24	
	MW-125	Apr-22			<0.0314	0.122	
	MW-125	Oct-22			<0.0314	0.0624 J	
	MW-125	Mar-23			<0.0314	0.135 B	
	MW-125	Oct-23			<0.0314	0.0847 J	
	MW-125	Apr-24			<0.0314	0.0452 J	
	MW-125	Oct-24			<0.0314	0.171 B	
	MW-126A	Apr-19			0.124 B	0.370	
	MW-126A	Oct-19			0.903	0.583	
	MW-126A	Jun-20			0.0319 J	0.461	
	MW-126A	Oct-20			0.0669 J	0.451 B	
	MW-126B	Apr-22			<0.0314	0.214	
	MW-126B	Oct-22			0.0325 JB	0.338	
	MW-126B	Mar-23			<0.0314	0.528 B	
	MW-126B	Oct-23			<0.0314	0.173	
	MW-126B	Apr-24			<0.0314	0.464	
	MW-126B	Oct-24			<0.0314	0.311	
	MW-127	Oct-17			1.68	1.41	
	MW-127	Apr-18			5.15	1.06	
	MW-127	Oct-18			3.13	1.30	
	MW-127	Apr-19			5.94	1.11	
	MW-128	Oct-17			1.14	2.37	
	MW-128	Apr-18			0.932	1.58	
	MW-128	Oct-18			2.76	2.04	
	MW-128	Apr-19			3.13	1.81	
	MW-129	Apr-15			3.29	2.45	
	MW-129	Oct-15			4.11 J	1.31	
	MW-129	Apr-17			1.79	2.13	
	MW-129	Apr-18			4.33	1.40	
	MW-130	Apr-22			0.0341 JB	0.653	
	MW-130	Oct-22			<0.0314	0.657	
	MW-130	Mar-23			0.0775 JB	0.564	
	MW-130	Oct-23			<0.0314	0.713	
	MW-130	Apr-24			<0.0314	0.651	
	MW-130	Oct-24			<0.0314	0.311	
	MW-131	Apr-17			6.81	1.77	
	MW-131	Oct-17			4.95	1.58	
	MW-131	Oct-19			8.71	1.46	
	MW-131	Jun-20			8.68	1.83	
	MW-133	Nov-14			9.40	2.80	
	MW-133	Apr-15			11.3	3.10	

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Appendix B, Table B.1 - Summary of Groundwater Analytical Data - Total Petroleum Hydrocarbons

2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	TPH		
				Analyte	GRO	DRO	DRO - EP
				CAS	TPH-GRO	TPH-DRO	TPH-DRO
				Units	mg/L	mg/L	mg/L
				CGWSL	0.0101	0.0858	0.0167
				CGWSL Source	NMED TPH		
Area	Well ID	Date	Dup				
Field East of Refinery	MW-134	Apr-22		<0.0314	**0.0989 J**		
	MW-134	Apr-22	FD	<0.0314	**0.104**		
	MW-134	Oct-22		<0.0314	**0.108**		
	MW-134	Oct-22	FD	<0.0314	**0.117**		
	MW-134	Mar-23		<0.0314	**0.132 B**		
	MW-134	Mar-23	FD	<0.0314	**0.137 B**		
	MW-134	Oct-23		**0.0370 J**	**<0.0247**		
	MW-134	Oct-23	FD	<0.0314	**<0.0247**		
	MW-134	Apr-24		<0.0314	**0.0522** J		
	MW-134	Apr-24	FD	<0.0314	**0.0543** J		
	MW-134	Oct-24		<0.0314	**0.109**		
	MW-134	Oct-24	FD	<0.0314	**0.0555** J		
	MW-135	Apr-22		<0.0314	**<0.0247**		
	MW-135	Oct-22		<0.0314	**0.0437** J		
	MW-135	Mar-23		**0.0336 JB**	**0.0386** JB		
	MW-135	Oct-23		<0.0314	**<0.0247**		
	MW-135	Apr-24		<0.0314	**0.0697** J		
	MW-135	Oct-24		<0.0314	**<0.0247**		
	MW-145	Apr-22		<0.0314	**0.133**		
	MW-145	Oct-22		<0.0314	**0.225**		
	MW-145	Mar-23		**0.0334 JB**	**0.274 B**		
	MW-145	Oct-23		<0.0314	**0.403**		
	MW-145	Apr-24		**0.0365 JB**	**0.139**		
	MW-145	Oct-24		<0.0314	**0.166 B**		
	MW-146	Apr-22		<0.0314	**<0.0247**		
	MW-146	Apr-22	FD	<0.0314	**0.0918 J**		
	MW-146	Oct-22		<0.0314	**0.0433** J		
	MW-146	Oct-22	FD	<0.0314	**0.0341** J		
	MW-146	Mar-23		**0.0328 JB**	**0.0756** JB		
	MW-146	Mar-23	FD	**0.0321 JB**	**0.0456** JB		
	MW-146	Oct-23		<0.0314	**0.0247** J		
	MW-146	Oct-23	FD	<0.0314	**<0.0247**		
	MW-146	Apr-24		<0.0314	**0.0422** J		
	MW-146	Apr-24	FD	<0.0314	**0.0252** J		
	MW-146	Oct-24		<0.0314	**0.0531** JB		
	MW-146	Oct-24	FD	<0.0314	**0.0446** J		
	MW-147	Apr-22		<0.0314	**<0.0247**		
	MW-147	Oct-22		<0.0314	**0.0355** J		
	MW-147	Mar-23		**0.0317 JB**	**0.0446** JB		
	MW-147	Oct-23		<0.0314	**<0.0247**		
	MW-147	Apr-24		<0.0314	**0.0599** J		
	MW-147	Oct-24		<0.0314	**<0.0247**		
	MW-148	Apr-22		<0.0314	**<0.0247**		
	MW-148	Oct-22		<0.0314	**0.0760** J		
	MW-148	Mar-23		<0.0314	**0.0846** JB		
	MW-148	Oct-23		<0.0314	**0.0397** J		
	MW-148	Apr-24		<0.0314	**0.0677** J		
	MW-148	Oct-24		<0.0314	**<0.0247**		
	MW-151	Oct-24		**0.413**	**0.676**		
	MW-160	Oct-24		**0.601**	**0.253**		
	MW-161	Oct-24		**0.0437 J**	**0.270 B**		
	RA-4196	Oct-19					
	RA-4196	Jun-20					
	RA-4196	Oct-20					
	RA-4196	Mar-23					
	RA-4196R	Oct-23					
	RA-4196R	Apr-24					
	RA-4196R	Oct-24					
	RA-4798	Oct-20					
	RA-4798	Apr-21					
	RA-4798	Sep-21					
	RA-4798	Apr-22					
	RW-12R	Apr-17			**1.61**		
	RW-12R	Apr-18			**0.514 B**		
	RW-12R	Apr-19			**0.822**		
	RW-12R	Jun-20			**0.633**		
	RW-13R	Apr-18			**0.526 B**		
	RW-13R	Mar-23			**4.45**		
	RW-18A	Apr-18					
	RW-18A	Apr-19					
	RW-18A	Jun-20					
	RW-18A	Mar-23					
	RW-20	Apr-15			**2.10**		
	RW-22	Apr-15			**5.40**		
NCL	MW-18	Apr-21			**1.59**		
	MW-18	Apr-22			**1.54**		
	MW-18	Mar-23			**1.18**		
	MW-18	Apr-24			**1.41**		
	MW-45	Apr-22			**1.37**		
	MW-45	Oct-22			**1.20**		
	MW-45	Mar-23			**1.11**		
	MW-45	Oct-23			**0.807**		
	MW-45	Apr-24			**1.21**		
	MW-45	Oct-24			**0.841**		
	MW-53	Apr-15			**0.296**		
	MW-53	Apr-17			**0.258**		
	MW-53	Apr-18			**0.158**		
	MW-53	Apr-19			**0.229**		
	MW-53R	Apr-21			**0.123**		
	MW-53R	Apr-22			**0.136**		
	MW-53R	Mar-23			**0.179 B**		
	MW-53R	Apr-24			**0.125**		
	MW-54A	Apr-22			**3.72**		
	MW-54A	Oct-22			**5.32**		
	MW-54A	Mar-23			**2.57**		
	MW-54A	Oct-23			**3.18**		
	MW-54A	Apr-24			**4.22**		
	MW-54A	Oct-24			**4.58**		
	MW-54B	Apr-17		<0.0314	**0.881**		
	MW-54B	Apr-19		<0.0314	**1.84**		
	MW-54B	Apr-21		<0.0314	**2.02**		
	MW-54B	Mar-23		<0.0314	**1.09**		
	MW-55	Apr-22		**0.190**	**1.48**		
	MW-55	Oct-22		**0.0658 J**	**0.661**		
	MW-55	Mar-23		**0.479**	**1.05**		
	MW-55	Oct-23		**0.386**	**0.866**		
	MW-55	Apr-24		**0.0326 J**	**1.34**		
	MW-55	Oct-24		**0.237**	**1.29**		
	MW-56	Apr-22			**0.197**		
	MW-56	Mar-23			**0.102**		
	MW-56	Apr-24			**0.129**		
	MW-56	Oct-24					

				Analyte Group	TPH		
				Analyte	GRO	DRO	DRO - EP
				CAS	TPH-GRO	TPH-DRO	TPH-DRO
				Units	mg/L	mg/L	mg/L
				CGWSL	0.0101	0.0858	0.0167
				CGWSL Source	NMED TPH		
Area	Well ID	Date	Dup				
NCL	MW-108	Apr-22			**2.83**		
	MW-108	Oct-22			**3.10**		
	MW-108	Mar-23			**2.39**		
	MW-108	Oct-23			**1.67**		
	MW-108	Apr-24			**2.23**		
	MW-108	Oct-24			**2.48**		
	NCL-31	Apr-22			**0.469**		
	NCL-31	Oct-22			**0.457**		
	NCL-31	Mar-23			**0.337 B**		
	NCL-31	Oct-23			**0.299**		
	NCL-31	Apr-24			**0.549**		
	NCL-31	Oct-24			**0.540**		
	NCL-32	Apr-22			**0.962**		
	NCL-32	Oct-22			**3.46**		
	NCL-32	Mar-23			**2.58**		
	NCL-32	Oct-23			**10.2**		
	NCL-32	Apr-24			**3.64**		
	NCL-32	Oct-24			**1.69**		
	NCL-33	Apr-22			**12.6**		
	NCL-33	Oct-22			**13.0**		
	NCL-33	Mar-23			**8.82**		
	NCL-33	Oct-23			**8.48**		
	NCL-33	Apr-24			**7.86**		
	NCL-33	Oct-24			**11.8**		
	NCL-34A	Oct-18			**7.41**		
	NCL-34A	Apr-19			**6.59**		
	NCL-34A	Oct-19			**5.90**		
	NCL-34A	Jun-20			**6.58**		
	NCL-44	Apr-22			**3.70**		
	NCL-44	Oct-22			**3.07**		
	NCL-44	Mar-23			**3.39**		
	NCL-44	Oct-23			**4.30**		
	NCL-44	Apr-24			**4.70**		
	NCL-44	Oct-24			**2.18**		
	NCL-49	Apr-22			**0.0474** J		
	NCL-49	Apr-22	FD		**0.0337** J		
	NCL-49	Oct-22			**0.0734** J		
	NCL-49	Oct-22	FD		**0.0464** J		
	NCL-49	Mar-23			**0.0256** J		
	NCL-49	Mar-23	FD		**<0.0247**		
	NCL-49	Oct-23			**<0.0247**		
	NCL-49	Oct-23	FD		**<0.0247**		
	NCL-49	Apr-24			**0.0510** J		
	NCL-49	Apr-24	FD		**0.0671** J		
	NCL-49	Oct-24			**0.0841** J		
	NCL-49	Oct-24	FD		**0.0671** J		
North Refinery	MW-23	Apr-19		**15.0**	**13.4**		
	MW-23	Oct-19		**4.70 B**	**20.1**		
	MW-23	Jun-20		**8.73**	**13.0**		
	MW-23	Oct-20		**2.93**	**17.9**		
	MW-29	Apr-22		<0.0314	**4.53**		
	MW-29	Oct-22		**0.0889 J**	**4.28**		
	MW-29	Mar-23		**0.108**	**3.96**		
	MW-29	Oct-23		**0.335**	**4.17**		
	MW-29	Apr-24		**0.190**	**5.17**		
	MW-39	Apr-19		**0.785**	**6.54**		
	MW-39	Oct-19		**0.736 B**	**5.64**		
	MW-39	Jun-20		**0.740**	**7.00**		
	MW-39	Oct-20		**0.412**	**6.28**		
	MW-40	Apr-17		**1.29**	**4.15**		
	MW-40	Apr-18		**1.18**	**2.45**		
	MW-40	Apr-19		**0.769**	**3.38**		
	MW-40	Jun-20		**0.500**	**2.45**		
	MW-41	Apr-18		**0.111**	**3.30**		
	MW-41	Apr-19		**0.229**	**6.47**		
	MW-41	Jun-20		**0.309 B**	**3.53**		
	MW-41	Apr-21		**0.245**	**2.32**		
	MW-42	Apr-19		**0.822**	**5.48**		
	MW-42	Jun-20		**1.26 J**	**4.95**		
	MW-42	Apr-21		**0.433**	**4.92**		
	MW-42	Apr-22		**0.323**	**3.00**		
	MW-43	Apr-19		**2.12**	**7.90**		
	MW-43	Oct-19		**32.6 B**	**13.5**		
	MW-43	Jun-20		**14.1**	**6.55**		
	MW-43	Oct-20		**34.2**	**7.74**		
	MW-59	Apr-17		**0.163**	**0.835**		
	MW-59	Apr-18		**0.232**	**0.576**		
	MW-59	Apr-19		**0.0605 JB**	**1.08**		
	MW-59	Jun-20		**0.302 B**	**2.97**		
	MW-60	Jun-20		**0.466**	**0.754**		
	MW-60	Jun-20	FD	**0.337**	**0.707**		
	MW-60	Oct-20		**0.528**	**1.03**		
	MW-60	Oct-20	FD	**0.587**	**0.930**		
	MW-61	Apr-22		**9.90**	**5.57**		
	MW-61	Oct-22		**9.03**	**4.44**		
	MW-61	Mar-23		**7.36**	**3.77**		
	MW-61	Oct-23		**9.33**	**4.63**		
	MW-61	Apr-24		**8.73**	**6.18**		
	MW-61	Oct-24		**8.34**	**4.41**		
	MW-62	Oct-20		**7.35**	**7.46**		
	MW-62	Sep-21		**21.8**	**11.3**		
	MW-62	Apr-22		**14.9**	**7.53**		
	MW-62	Oct-22		**11.5**	**7.71**		
	MW-62R	Apr-21		**2.40**	**9.88**		
	MW-62R	Apr-22		**9.56**	**9.22**		
	MW-62R	Mar-23		**15.1**	**5.95**		
	MW-62R	Apr-24		**9.23**	**7.65**		
	MW-67	Oct-17		**0.649**	**8.48 J3J4**		
	MW-67	Apr-18		**1.53**	**4.25**		
	MW-67	Oct-18		**0.562**	**7.73**		
	MW-67	Apr-19		**0.868**	**9.31**		
	MW-90	Apr-22		**0.399**	**3.92**		
	MW-90	Oct-22		**0.396**	**4.23**		
	MW-90	Mar-23		**0.299**	**3.04**		
	MW-90	Oct-23		**0.278**	**3.36**		
	MW-90	Apr-24		**0.545**	**3.61**		
	MW-90	Oct-24		**0.552**	**3.35**		
	MW-91	Oct-18		**16.7**	**11.8**		
	MW-91	Apr-19		**13.8**	**15.8**		
	MW-91	Oct-19		**34.8 B**	**10.8**		
	MW-91	Jun-20		**36.2**	**11.5**		

Appendix B, Table B.1 - Summary of Groundwater Analytical Data - Total Petroleum Hydrocarbons

2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	TPH		
				Analyte	GRO	DRO	DRO - EP
				CAS	TPH-GRO	TPH-DRO	TPH-DRO
				Units	mg/L	mg/L	mg/L
				CGWSL	0.0101	0.0858	0.0167
				CGWSL Source	NMED TPH		
Area	Well ID	Date	Dup				
North Refinery	MW-93	Apr-17		3.73	7.89		
	MW-93	Apr-18		3.59	5.05		
	MW-93	Apr-19		2.82	7.92		
	MW-93	Jun-20		6.28	8.54		
	MW-94	Nov-14		5.50	9.40		
	MW-94	Oct-15		6.12	25.6		
	MW-94	Apr-17		10.2	9.96		
	MW-95	Apr-17		0.0826 J	6.96		
	MW-95	Apr-18		<0.0314	3.68		
	MW-95	Apr-19		<0.0314	7.34		
	MW-95	Jun-20		0.162 B	6.29		
	MW-96	Apr-22		13.8	7.75		
	MW-96	Oct-22		24.9	8.20		
	MW-96	Mar-23		34.7	4.59		
	MW-96	Oct-23		27.6	6.69		
	MW-96	Apr-24		25.2	7.18		
	MW-96	Oct-24		32.6	6.87		
	MW-98	Apr-22		16.5	5.19		
	MW-98	Oct-22		7.46	5.13		
	MW-98	Mar-23		20.4	4.50		
	MW-98	Oct-23		11.8	5.30		
	MW-98	Apr-24		11.5	5.33		
	MW-98	Oct-24		7.97	4.19		
	MW-137	Oct-17		33.1	11.3		
	MW-137	Apr-18		26.6	9.60		
	MW-137	Oct-18		32.6	8.76		
	MW-137	Apr-19		33.2	9.76		
	MW-138	Oct-17		2.20	15.0		
	MW-138	Apr-18		2.44	6.05		
	MW-138	Oct-18		4.06	6.00		
	MW-138	Apr-19		4.17	6.67		
	MW-157	Oct-24		9.17	0.335 Q		
	RW-1	Apr-15		2.95 J	12.0		
	RW-1	Apr-17		2.20	21.5		
	RW-1	Apr-18		6.05	8.92		
	RW-1	Apr-19		5.13	16.1		
	RW-2	Apr-15		18.3	19.7		
	RW-2	Apr-17		17.2	11.6		
	RW-2	Apr-18		20.5	8.31		
	RW-2	Mar-23		5.56 B	5.76		
	RW-7	Apr-17		<0.0314	1.15		
	RW-7	Apr-18		0.177	11.3		
	RW-7	Apr-19		0.230	19.1		
	RW-7	Jun-20		0.334 JB	7.54		
	RW-8	Apr-15			7.30		
	RW-8	Apr-17			11.6		
	RW-9	Apr-21		0.903	3.37		
	RW-9	Apr-22		1.16	3.63		
	RW-9	Mar-23		0.921	5.19		
	RW-9	Apr-24		0.769	7.57		
	RW-10	Apr-18		0.380	2.81		
	RW-10	Apr-19		0.195	3.06		
	RW-10	Jun-20		0.219	3.33		
	RW-10	Apr-21		0.532	6.96		
	RW-16B	Apr-18			0.350		
	RW-16B	Apr-19			0.744		
	RW-16B	Jun-20			2.12		
	RW-16B	Mar-23			1.43		
	RW-17A	Apr-18		0.0927 J	1.57		
	RW-17A	Apr-19		<0.0314	1.45		
	RW-17A	Jun-20		0.0426 J	1.44		
	RW-17A	Mar-23		<0.0314	1.59		
North RO Field	MW-117	Apr-22		<0.0314	0.247		
	MW-117	Oct-22		<0.0314	0.248		
	MW-117	Mar-23		0.0572 JB	0.359 B		
	MW-117	Oct-23		0.0607 JB	0.325		
	MW-117	Apr-24		0.0935 J	0.286		
	MW-117	Oct-24		0.0476 J	0.550		
	MW-118	Apr-22		<0.0314	<0.0247		
	MW-118	Oct-22		<0.0314	<0.0247		
	MW-118	Mar-23		0.0319 JB	0.0763 JB		
	MW-118	Oct-23		<0.0314	0.0313 J		
	MW-118	Apr-24		<0.0314	<0.0247		
	MW-118	Oct-24		<0.0314	0.0531 JB		
	MW-119	Apr-22		<0.0314	<0.0247		
	MW-119	Oct-22		<0.0314	0.0534 J		
	MW-119	Mar-23		<0.0314	0.0922 JB		
	MW-119	Oct-23		<0.0314	0.106		
	MW-119	Apr-24		<0.0314	0.0867 J		
	MW-119	Oct-24		<0.0314	0.0592 JB		
	MW-140	Mar-23					
	MW-140	Oct-23					
	MW-140	Apr-24					
	MW-140	Oct-24					
	MW-141	Mar-23					
	MW-141	Oct-23					
	MW-141	Apr-24					
	MW-141	Oct-24					
	MW-142	Mar-23					
	MW-142	Oct-23					
	MW-142	Apr-24					
	MW-142	Oct-24					
	MW-143	Mar-23					
	MW-143	Oct-23					
	MW-143	Apr-24					
	MW-143	Oct-24					
	MW-162	Oct-24					
South Refinery	KWB-2R	Oct-19			4.64		
	KWB-2R	Mar-23			6.39		
	KWB-2R	Oct-23			1.65		
	KWB-2R	Apr-24			1.07		
	KWB-5	Oct-17			1.55		
	KWB-5	Apr-18			1.70		
	KWB-5	Oct-18			1.62		
	KWB-5	Apr-19			1.73		
	KWB-6	Apr-17			2.04		
	KWB-6	Oct-17			2.16		
	KWB-6	Apr-18			1.77		
	KWB-6	Oct-18			1.52		

				Analyte Group	TPH		
				Analyte	GRO	DRO	DRO - EP
				CAS	TPH-GRO	TPH-DRO	TPH-DRO
				Units	mg/L	mg/L	mg/L
				CGWSL	0.0101	0.0858	0.0167
				CGWSL Source	NMED TPH		
Area	Well ID	Date	Dup				
South Refinery	MW-28	Apr-19		5.37	8.80		
	MW-28	Oct-19		10.4 B	11.6		
	MW-28	Jun-20		3.94	3.91		
	MW-28	Oct-20		1.65	5.28		
	MW-48	Apr-18		45.6	6.50		
	MW-48	Oct-18		21.8	5.56		
	MW-48	Apr-19		17.7	6.53		
	MW-48	Oct-19		31.9 B	6.48		
	MW-50	Apr-22			0.506		
	MW-50	Oct-22			0.373		
	MW-50	Mar-23			0.265		
	MW-50	Oct-23			0.320		
	MW-50	Apr-24			0.352		
	MW-50	Oct-24			0.323		
	MW-52	Apr-22		<0.0314	0.332		
	MW-52	Oct-22		<0.0314	0.328		
	MW-52	Mar-23		<0.0314	0.614		
	MW-52	Oct-23		0.0739 J	0.589		
	MW-52	Apr-24		<0.0314	0.638		
	MW-52	Oct-24		<0.0314	0.273		
	MW-64	Apr-22		110	5.63		
	MW-64	Oct-22		88.0	6.84		
	MW-64	Mar-23		139	5.90		
	MW-64	Oct-23		108	7.08		
	MW-64	Apr-24		79.8	7.06		
	MW-64	Oct-24		45.9	4.45		
	MW-65	Oct-19		21.4 B	3.59		
	MW-65	Mar-23		3.90	15.7		
	MW-65	Oct-23		3.40	3.23		
	MW-65	Apr-24		3.23	4.86		
	MW-66	Oct-19		7.15 B	2.77		
	MW-66	Jun-20		8.44	2.19		
	MW-66	Oct-20		4.41	3.36		
	MW-66	Apr-21		5.16	3.52		
	MW-99	Oct-18		11.9	2.23		
	MW-99	Apr-19		14.9	2.93		
	MW-99	Oct-19		5.02	2.30		
	MW-99	Jun-20		3.97	4.19		
	MW-101	Apr-22		1.08	6.81		
	MW-101	Oct-22		2.54	6.12		
	MW-101	Mar-23		13.1	9.58		
	MW-101	Oct-23		0.565	3.36		
	MW-101	Apr-24		0.478	3.42		
	MW-101	Oct-24		16.6 Q	3.54		
	MW-102	Apr-22		43.0	6.24		
	MW-102	Apr-22	FD	41.3	8.66		
	MW-102	Oct-22		44.6	4.12		
	MW-102	Oct-22	FD	41.4	4.66		
	MW-102	Mar-23		51.6	4.96		
	MW-102	Mar-23	FD	46.3	5.22		
	MW-102	Oct-23		38.3	3.49		
	MW-102	Oct-23	FD	47.6	3.94		
	MW-102	Apr-24		32.8	6.41		
	MW-102	Apr-24	FD	29.8	8.78		
	MW-102	Oct-24		19.4	3.64		
	MW-102	Oct-24	FD	22.0	5.55		
	MW-103	Apr-21		4.84	6.58		
	MW-103	Apr-22		5.10	5.37		
	MW-103	Mar-23		5.56	4.00		
	MW-103	Apr-24		4.25	4.21		
	MW-104	Apr-22		0.813	0.888		
	MW-104	Oct-22		0.999	1.12		
	MW-104	Mar-23		0.740	0.855		
	MW-104	Oct-23		0.654	1.39		
	MW-104	Apr-24		0.729	1.36		
	MW-104	Oct-24		1.21	1.09		
	MW-105	Apr-22		16.4	14.6		
	MW-105	Oct-22		5.46	2.36		
	MW-105	Mar-23		12.8	8.45		
	MW-105	Oct-23		4.27	1.27		
	MW-105	Apr-24		9.07	13.5		
	MW-105	Oct-24		7.79	4.75		
	MW-106	Apr-21		24.4	26.3		
	MW-106	Oct-23		4.37	1.50		
	MW-106	Apr-24		22.8	10.5		
	MW-106	Oct-24		11.4	3.78		
	MW-107	Oct-15		14.9 J	4.72		
	MW-107	Apr-17		6.67	7.91		
	MW-107	Apr-18		21.6	4.50		
	MW-107	Apr-19		23.3	7.93		
	MW-109	Apr-22		3.31	2.47		
	MW-109	Oct-22		3.03	2.43		
	MW-109	Mar-23		3.72	2.06		
	MW-109	Oct-23		5.34	2.48		
	MW-109	Apr-24		5.81	1.52		
	MW-109	Oct-24		4.54	0.851		
	MW-110	Apr-22		1.89	1.91		
	MW-110	Oct-22		0.554	1.06		
	MW-110	Mar-23		0.534	1.41		
	MW-110	Oct-23		0.419	0.862		
	MW-110	Apr-24		0.617	0.696		
	MW-110	Oct-24		0.491	0.369		
	MW-139	Apr-22		0.313	0.880		
	MW-139	Oct-22		0.311	1.39		
	MW-139	Mar-23		0.224	0.792		
	MW-139	Oct-23		0.344	0.962		
	MW-139	Apr-24		0.242	1.15		
	MW-139	Oct-24		0.314	1.20		
	MW-158	Oct-24		0.0640 JB	0.0413 J		
	MW-159	Oct-24		0.393	0.177		
	RA-313	Apr-21					
	RA-313	Apr-22					
	RA-313	Mar-23					
	RA-313	Apr-24					
	RW-4	Jun-20			1.63		
	RW-4	Apr-22			1.42		
	RW-4	Mar-23			1.41		
	RW-4	Apr-24			1.43		
	RW-5R	Apr-15			6.42		

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Appendix B, Table B.1 - Summary of Groundwater Analytical Data - Total Petroleum Hydrocarbons

2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

Analyte Group				TPH		
Analyte				GRO	DRO	DRO - EP
CAS				TPH-GRO	TPH-DRO	TPH-DRO
Units				mg/L	mg/L	mg/L
CGWSL				0.0101	0.0858	0.0167
CGWSL Source				NMED TPH		
Area	**Well ID**	**Date**	**Dup**			
South Refinery	RW-6	Apr-18			**3.04**	
	RW-6	Apr-19			**3.23**	
	RW-6	Mar-23			**7.34**	
	RW-6	Apr-24			**1.23**	
	RW-15C	Apr-17			**9.74**	
	RW-15C	Apr-18			**9.27**	
	RW-15C	Apr-19			**11.7**	
	RW-19	Apr-24			**18.2**	
South RO Field	MW-114	Apr-22		<0.0314	**0.756**	
	MW-114	Oct-22		**0.0652 J**	**1.85**	
	MW-114	Mar-23		<0.0314	**0.335 B**	
	MW-114	Oct-23		**0.0417 JB**	**0.773**	
	MW-114	Apr-24		<0.0314	**0.208**	
	MW-114	Oct-24		<0.0314	**0.603**	
	MW-115	Apr-22		**0.0420 J**	**0.460**	
	MW-115	Oct-22		<0.0314	**0.621**	
	MW-115	Mar-23		<0.628	**0.760**	
	MW-115	Oct-23		**0.0609 JB**	**0.811**	
	MW-115	Apr-24		**0.0317 J**	**0.578**	
	MW-115	Oct-24		**0.0585 JB**	**0.852**	
	MW-116	Apr-22		<0.0314	**0.0610 J**	
	MW-116	Oct-22		<0.0314	**0.219**	
	MW-116	Mar-23		<0.0314	**0.161**	
	MW-116	Apr-24		**0.106**	**0.103**	
	MW-116	Oct-24		<0.0314	**1.72**	
	MW-144	Mar-23				
	MW-144	Oct-23				
	MW-144	Apr-24				
	MW-144	Oct-24				
	MW-163	Oct-24				
TEL	MW-49	Apr-22		**4.35**	**6.29**	
	MW-49	Oct-22		**2.84**	**4.55**	
	MW-49	Mar-23		**4.68**	**4.60**	
	MW-49	Oct-23		**6.54**	**5.90**	
	MW-49	Apr-24		**6.79**	**6.53**	
	MW-49	Oct-24		**3.15**	**4.03**	
	TEL-1	Oct-18		**0.381**	**8.36**	
	TEL-1	Apr-19		**0.357**	**8.30**	
	TEL-1	Oct-19		**0.736 JB**	**8.74**	
	TEL-1	Jun-20		**0.366 J**	**5.74**	
	TEL-2	Oct-18		**5.19**	**14.8**	
	TEL-2	Apr-19		**4.27**	**15.8**	
	TEL-2	Oct-19		**3.00 B**	**13.5**	
	TEL-2	Jun-20		**1.89**	**8.16**	
	TEL-3	Apr-18		**2.05**	**7.42**	
	TEL-3	Apr-19		**0.999**	**4.14**	
	TEL-3	Oct-19		**1.54 B**	**4.82**	
	TEL-3	Oct-20		**2.28**	**6.36**	
	TEL-4	Apr-22		**0.540**	**2.74**	
	TEL-4	Apr-22	FD	**0.292**	**3.82**	
	TEL-4	Oct-22		**0.479**	**3.45**	
	TEL-4	Oct-22	FD	**0.512**	**4.52**	
	TEL-4	Mar-23		**0.964 J**	**3.83**	
	TEL-4	Mar-23	FD	**0.883 J**	**7.46**	
	TEL-4	Oct-23		**0.472**	**2.88**	
	TEL-4	Oct-23	FD	**0.563**	**3.20**	
	TEL-4	Apr-24		**0.581**	**3.35**	
	TEL-4	Apr-24	FD	**0.548**	**2.16**	
	TEL-4	Oct-24		**0.426 Q**	**2.20**	
	TEL-4	Oct-24	FD	**0.653**	**2.19**	
Three Mile Ditch	MW-8	Apr-21		**0.107**	**0.0902 J**	
	MW-8	Apr-22		**0.0546 J**	**0.155**	
	MW-8	Mar-23		**0.246**	**0.190 B**	
	MW-8	Apr-24		**0.281**	**0.0513** J	
	MW-16	Apr-21			**0.138**	
	MW-16	Apr-22			**0.0724** J	
	MW-16	Mar-23			**0.221**	
	MW-16	Apr-24			**0.148**	
	MW-20	Apr-21			**0.141**	
	MW-20	Apr-22			**0.0979 J**	
	MW-20	Mar-23			**0.130 B**	
	MW-20	Apr-24			**<0.0247**	
	MW-21	Apr-22		<0.0314	**0.305**	
	MW-21	Oct-22		**0.180**	**0.0743** J	
	MW-21	Mar-23		**0.0551 J**	**0.320 B**	
	MW-21	Oct-23		**0.340**	**<0.0247**	
	MW-21	Apr-24		**0.110**	**0.249**	
	MW-21	Oct-24		**0.183**	**0.0964 J**	

Analyte Group				TPH		
Analyte				GRO	DRO	DRO - EP
CAS				TPH-GRO	TPH-DRO	TPH-DRO
Units				mg/L	mg/L	mg/L
CGWSL				0.0101	0.0858	0.0167
CGWSL Source				NMED TPH		
Area	**Well ID**	**Date**	**Dup**			
Three Mile Ditch	MW-25	Apr-21			**0.0537** J	
	MW-25	Apr-22			**0.233**	
	MW-25	Mar-23			**0.223**	
	MW-25	Apr-24			**0.0721** J	
	MW-26	Apr-21			**0.0537** J	
	MW-26	Apr-22			**<0.0247**	
	MW-26	Mar-23			**0.200 B**	
	MW-26	Apr-24			**0.105**	
	MW-27	Apr-21			**0.0659** J	
	MW-27	Apr-22			**0.0950 J**	
	MW-27	Mar-23			**0.0433** J	
	MW-27	Apr-24			**0.0895 J**	
	MW-46R	Apr-22			**0.0424** J	
	MW-46R	Oct-22			**0.157**	
	MW-46R	Mar-23			**0.0420** J	
	MW-46R	Oct-23			**<0.0247**	
	MW-46R	Apr-24			**0.171 JB3**	
	MW-46R	Oct-24			**0.0853** J	
	MW-68	Apr-21			**0.0962 J**	
	MW-68	Apr-22			**0.0940 J**	
	MW-68	Mar-23			**0.0533** J	
	MW-68	Apr-24			**<0.0247**	
	MW-71	Apr-21			**0.0936 J**	
	MW-71	Apr-22			**0.0860 J**	
	MW-71	Mar-23			**0.107 B**	
	MW-71	Apr-24			**<0.0247**	
	MW-89	Apr-21			**0.175**	
	MW-89	Apr-22			**0.248**	
	MW-89	Mar-23			**0.139**	
	MW-89	Apr-24			**0.374**	
	MW-152	Oct-24		**0.207**	**0.212**	
	MW-153	Oct-24		**0.216**	**0.189**	
	MW-154	Oct-24		**0.0547 J**	**0.182**	
	MW-155	Oct-24		<0.0314	**0.0523** J	
	MW-156	Oct-24		<0.0314	**0.0306** J	
	NP-1	Apr-22				
	NP-1	Oct-22				
	NP-1	Mar-23				
	NP-1	Oct-23				
	NP-1	Apr-24				
	NP-1	Oct-24				
	NP-6	Apr-17				
	NP-6	Apr-19				
	NP-6	Apr-21				
	NP-6	Mar-23				
Upgradient	UG-1	Apr-21		<0.0314	**0.0579** J	
	UG-1	Apr-22		<0.0314	**<0.0247**	
	UG-1	Mar-23		**0.0326 JB**	**<0.0247**	
	UG-1	Apr-24		<0.0314	**<0.0247**	
	UG-2	Apr-21		<0.0314	**0.0316** J	
	UG-2	Apr-22		<0.0314	**<0.0247**	
	UG-2	Mar-23		<0.0314	**<0.0247**	
	UG-2	Apr-24		<0.0314	**<0.0247**	
	UG-3R	Apr-21		<0.0314	**0.0931 J**	
	UG-3R	Apr-22		<0.0314	**0.0857** J	
	UG-3R	Mar-23		<0.0314	**0.0306** JB	
	UG-3R	Apr-24		<0.0314	**0.0416** JB	
	UG-4	Apr-21		<0.0314	**0.0643** J	
	UG-4	Apr-22		<0.0314	**<0.0247**	
	UG-4	Mar-23		<0.0314	**0.0826** JB	
	UG-4	Apr-24		<0.0314	**0.0800** J	

Definitions

X	Reported concentration, X, exceeds the CGWSL.
X	Analyte detected above the detection limit at a concentration equal to X.
<x	Analyte not detected at detection limit equal to x.
<x	Analyte not detected at detection limit equal to x, but x exceeds the CGWSL.
	Blank cell indicates a sample was collected from the well during the indicated sampling event, but the analyte was not analyzed.
---	No applicable CGWSL.

Abbreviations

CGWSL	Critical Groundwater Screening Level (see Table 3)
CGWSL Source	Source for CGWSL value (see Table 3)
DRO	Diesel Range Organics
DRO-EP	Diesel Range Organics data from wells located in the Evaporation Ponds area
Dup	Duplicate sample
FD	Field duplicate sample
GRO	Gasoline Range Organics
mg/L	Milligrams per Liter
TPH	Total Petroleum Hydrocarbons
NMED TPH	NMED Risk Assessment Guidance for Site Investigations and Remediation, November 2022, Table 6-4 TPH Groundwater Screening Level

Lab Footnote

B	Analyte was also detected in the associated method blank.
J	Indicates an estimated value.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
Q	Sample was prepared and/or analyzed past recommended holding time.
V3	Internal standard exhibited poor recovery due to sample matrix interference; analytical result biased high.

Note - Irrigation well RA-4196R was installed in June 2022 to replace both irrigation wells RA-4196 and RA-4798 which were plugged and abandoned in April 2023.

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Appendix B, Table B.2 - Summary of Groundwater Analytical Data - Total Metals

2024 Annual Groundwater Monitoring Report

HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Total Metals													
				Analyte	Arsenic	Barium	Boron	Cadmium	Cobalt	Chromium	Iron	Lead	Manganese	Mercury	Nickel	Selenium	Uranium	Vanadium
				CAS	7440-38-2	7440-39-3	7440-42-8	7440-43-9	7440-48-4	7440-47-3	7439-89-6	7439-92-1	7439-96-5	7439-97-6	7440-02-0	7782-49-2	7440-61-1	7440-62-2
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	0.0100	2.00	0.750	0.00500	0.0500	0.0500	1.00	0.0150	0.200	0.00200	0.200	0.0500	0.0300	0.0631
				CGWSL Source	WQCC HH	WQCC HH	WQCClrr	WQCClrr	WQCC HH	WQCC HH	WQCC Dom	WQCC HH	WQCC Dom	WQCC HH	WQCClrr	WQCC HH	WQCC HH	NMED TW
Area	**Well ID**	**Date**	**Dup**															
Cross-Gradient	KWB-13	Apr-21		0.00822	0.0713	0.287	0.000652 J	0.00279	0.0152	**10.8**	0.00870	0.179	<0.000100	0.0107	0.0115	0.0196 J	0.0446
	KWB-13	Apr-22		0.00263	0.0198	0.308	<0.000150	0.000227 J	0.00217	0.933	0.000921 J	0.0195	<0.000100	<0.000816	0.0109	0.0223	0.0210
	KWB-13	Mar-23		0.00364	0.0195	0.316	0.000163 J	0.000512 J	0.00295	**1.14**	0.00257	0.0466	<0.000100	0.00184 J	0.00982	0.0222	0.0244
	KWB-13	Apr-24		0.00298	0.0202	0.268	<0.000150	0.000485 J	0.00250	0.967	0.00172 J	0.0378	<0.000100	0.00150 J	0.00901	0.0199	0.0216
	MW-136	Apr-22		0.00250	0.0118	0.486	<0.000150	0.000959 J	0.00402	0.112	<0.000849	0.0166	<0.000100	<0.000816	0.00657	**0.0380**	0.0156
	MW-136	Oct-22		0.00262	0.0111	0.505	<0.000150	0.000968 J	<0.00124	0.0480 J	<0.000849	0.0184	<0.000100	0.00280	0.00649	**0.0368**	0.0155
	MW-136	Mar-23		0.00255	0.0108	0.523	<0.000150	0.000673 J	<0.00124	0.0294 J	<0.000849	0.00709	<0.000100	0.00223	0.00655	**0.0347**	0.0148
	MW-136	Oct-23		0.00243	0.0102	0.538	<0.000150	0.000626 J	<0.00124	<0.0281	<0.000849	0.00636	<0.000100	0.00192 J	0.00689	**0.0325**	0.0143
	MW-136	Oct-24		0.00262	0.0125	0.485	<0.000150	0.000754 J	<0.00124	0.144	<0.000849	0.00909	<0.0000700	0.00213	0.00701	**0.0340**	0.0155
	MW-149	Oct-23		0.00230	0.0212				0.00227	0.340	<0.000849	0.0174			0.0172		
	MW-149	Apr-24		0.00284	0.0172				<0.00124	0.0601 J	<0.000849	0.00423 J			0.00712		
	MW-149	Oct-24		0.00538	0.0512				0.0100	**2.95 J5O1**	**0.0153**	0.0979			0.00899		
	MW-150	Oct-23		0.00186 J	0.0154				0.00137 J	0.290	0.00137 J	0.0649			0.00201		
	MW-150	Apr-24		0.00181 J	0.0133				<0.00124	0.0485 J	<0.000849	0.0159			0.00261		
	MW-150	Oct-24		0.00164 J	0.0124				<0.00124	0.108	<0.000849	0.0231			0.00318		
	NP-5	Apr-17		0.00305	0.00938				<0.000540	0.0632 J	<0.000240	0.000586 J			0.0124		
	NP-5	Apr-19		0.00313	0.00844				<0.000540	0.0278 J	0.000709 J	0.000563 J			0.0119		
	NP-5	Apr-21		0.00331	0.00873 J				<0.00124	0.0551 J	<0.000849	0.00154 J			0.00904		
	NP-5	Mar-23		0.00376	0.00974				<0.00124	0.108	<0.000849	0.00577			0.00777		
	RA-3156	Apr-19															
	RA-3156	Jun-20															
	RA-3156	Apr-21															
	RA-3156	Apr-22															
Evaporation Ponds	MW-1R	Apr-21		0.00120 J	0.0204				<0.00124	**1.67**	<0.000849	**0.996**			<0.000300		
	MW-1R	Apr-22		0.00220	0.0203				<0.00124	**2.95**	<0.000849	**1.26**			<0.000300		
	MW-1R	Mar-23		0.00133 J	0.0184				0.00146 JB	**1.62**	<0.000849	**1.12**			<0.000300		
	MW-1R	Apr-24		0.00120 J	0.0241				<0.00124	**2.21**	<0.000849	**1.60**			<0.000300		
	MW-2A	Apr-22		0.00698	0.0228				0.00163 J	0.185	<0.000849	**0.579**			0.00412		
	MW-2A	Oct-22		**0.0145 J**	0.0295				<0.0124	**1.76**	<0.00849	**0.777**			0.00356 J		
	MW-2A	Mar-23		0.00664	0.0191				<0.00124	**1.29**	<0.000849	**0.557**			0.00490		
	MW-2A	Oct-23		0.00772	0.0347				**0.280**	**1.81**	0.00100 J	**2.17**			0.00275		
	MW-2A	Apr-24		0.00545	0.0255				<0.00124	0.195	<0.000849	**0.640**			0.00606		
	MW-2A	Oct-24		0.00800	0.0292				<0.00124	0.372	<0.000849	**0.354**			0.00382		
	MW-3	Apr-22		**0.0505**	0.0151				<0.00124	0.552	<0.000849	**1.96**			0.00370		
	MW-3	Apr-22	FD	**0.0497**	0.0122				<0.00124	0.569	<0.000849	**1.91**			0.00398		
	MW-3	Oct-22		**0.0286**	0.0138				<0.00620	0.191 J	<0.00424	**0.860**			0.0112		
	MW-3	Oct-22	FD	**0.0282**	0.0146				0.0135	0.235 J	<0.00424	**0.856**			0.0108		
	MW-3	Mar-23		**0.0257**	0.0128				<0.00124	0.0422 J	<0.000849	**0.886**			0.0340		
	MW-3	Mar-23	FD	**0.0265**	0.0128				<0.00124	0.0433 J	<0.000849	**0.893**			0.0356		
	MW-3	Oct-23		**0.0378**	0.0157				0.00318	0.291	<0.000849	**1.47**			0.00902		
	MW-3	Oct-23	FD	**0.0360**	0.0154				0.00284	0.236	<0.000849	**1.44**			0.00878		
	MW-3	Apr-24		**0.0311**	0.0127				<0.00124	0.107	<0.000849	**0.851**			0.00373		
	MW-3	Apr-24	FD	**0.0231**	0.0103				<0.00124	0.0790 J	<0.000849	**0.360**			0.00165 J		
	MW-3	Oct-24		**0.0330**	0.0141				<0.00124	0.605	<0.000849	**1.03**			0.00332		
	MW-3	Oct-24	FD	**0.0330**	0.0135				0.00144 J	0.647	<0.000849	**1.04**			0.00285		
	MW-4A	Apr-22		**0.108**	0.0111				<0.00124	**2.06**	<0.000849	**1.64**			0.000494 J		
	MW-4A	Oct-22		**0.0601**	0.0126				<0.00620	**1.43**	<0.00424	**1.71**			<0.00150		
	MW-4A	Mar-23		**0.138**	0.0114				<0.00124	**2.30**	<0.000849	**1.71**			0.00151 J		
	MW-4A	Oct-23		**0.100**	0.0131				<0.00124	**1.60**	<0.000849	**1.80**			0.000616 J		
	MW-4A	Apr-24		**0.152**	0.0121				<0.00124	**2.29**	<0.000849	**1.64**			0.000434 J		
	MW-4A	Oct-24		**0.0615**	0.0124				<0.00124	**1.35**	<0.000849	**1.65**			0.000422 J		
	MW-4B	Apr-17		**0.0371**	0.0182				<0.000540	**3.42**	<0.000240	**7.35**			<0.000380		
	MW-4B	Apr-19		**0.0699**	0.0165				0.000725 J	**1.54**	0.000544 JB	**11.1**			<0.000380		
	MW-4B	Apr-21		**0.0515**	0.0169 J				<0.00124	**2.05**	<0.000849	**8.88**			<0.000300		
	MW-4B	Mar-23		**0.0332**	0.0195				<0.00124	**4.39**	<0.000849	**3.30**			<0.000300		
	MW-5A	Apr-22		**0.153**	0.0128				<0.00124	**4.54**	<0.000849	**1.03**			0.000863 J		
	MW-5A	Oct-22		**0.0712**	0.0112 J				<0.0124	**4.13**	<0.00849	**1.63**			<0.00300		
	MW-5A	Mar-23		**0.0925**	0.0120				<0.00124	**4.86**	<0.000849	**1.28**			0.000551 J		
	MW-5A	Oct-23		**0.212**	0.0162				<0.00124	**6.43**	<0.000849	**0.855**			0.000984 J		
	MW-5A	Apr-24		**0.170**	0.0149				<0.00620	**6.21**	<0.00424	**0.995**			<0.00150		
	MW-5A	Oct-24		**0.191**	0.0157				<0.00124	**7.28**	<0.000849	**0.863**			0.000920 J		
	MW-5B	Apr-17		**0.154**	0.0115				<0.000540	**4.61**	<0.000240	**3.32**			0.00139 J		
	MW-5B	Apr-19		**0.169**	0.0105				0.000773 J	**4.70**	<0.000240	**3.10**			0.00244		
	MW-5B	Apr-21		**0.0117**	0.0132 J				0.00390	0.828	<0.000849	**1.01**			<0.000300		
	MW-5B	Mar-23		**0.145**	0.0101				<0.00124	**4.41**	<0.000849	**2.75**			0.00141 J		
	MW-5C	Apr-17		**0.0113**	0.0237				<0.000540	**1.09**	0.000287 J	**0.918**			<0.000380		
	MW-5C	Apr-19		**0.0114**	0.0127				<0.000540	0.858	0.000611 JB	**0.971**			<0.000380		
	MW-5C	Apr-21		**0.178**	0.0114 J				0.00149 J	**4.87**	<0.000849	**3.00**			0.00162 J		
	MW-5C	Mar-23		0.00949	0.0138				<0.00124	0.677	<0.000849	**0.938**			<0.000300		
	MW-6A	Apr-21		0.00554	0.0129 J				0.00184 J	0.478	0.000966 J	**0.282**			0.000382 J		
	MW-6A	Apr-22		0.00483	0.0137				<0.00124	0.585	<0.000849	**0.266**			0.000475 J		
	MW-6A	Mar-23		0.00591	0.0131				<0.00124	0.914	<0.000849	**0.643**			0.00134 J		
	MW-6A	Apr-24		0.00434	0.0124				<0.00124	0.603	<0.000849	**0.265**			0.000457 J		
	MW-6B	Apr-17		**0.0115**	0.0134				<0.000540	0.149	<0.000240	**0.889**			<0.000380		
	MW-6B	Apr-19		**0.0421 O1**	0.0154				<0.000540	**1.48 O1**	0.00132 JB	**2.34 O1V**			0.000416 J		
	MW-6B	Apr-21		**0.0462**	0.0141 J				0.00209	**1.59**	<0.000849	**2.24**			<0.000300		
	MW-6B	Mar-23		**0.0367**	0.0149				<0.00124	**1.59**	<0.000849	**2.57**			<0.000300		
	MW-7A	Apr-22		**0.0149**	0.0162				0.00180 J	**2.38**	<0.000849	**0.428**			<0.000300		
	MW-7A	Apr-22	FD	**0.0159**	0.0182				0.00414	**2.59**	0.000952 J	**0.444**			0.000360 J		
	MW-7A	Oct-22		**0.0121 J**	0.0178 J				<0.0124	0.864 J	<0.00849	**0.549**			<0.00300		
	MW-7A	Oct-22	FD	**0.0123 J**	0.0182 J				<0.0124	0.884 J	<0.00849	**0.528**			<0.00300		
	MW-7A	Mar-23		**0.0160**	0.0153				<0.00124	**2.73**	<0.000849	**0.373**			0.000338 J		
	MW-7A	Mar-23	FD	**0.0257**	0.0153				<0.00124	**5.93**	<0.000849	**0.393**			0.000828 J		
	MW-7A	Oct-23		**0.0162**	0.0164				<0.00124	**2.30**	<0.000849	**0.451**			<0.000300		
	MW-7A	Oct-23	FD	**0.0159**	0.0167				<0.00124	**2.23**	<0.000849	**0.443**			<0.000300		
	MW-7A	Apr-24		**0.0147**	0.0152				<0.00124	**2.38**	<0.000849	**0.454**			<0.000300		
	MW-7A	Apr-24	FD	**0.0152**	0.0148				<0.00124	**2.53**	<0.000849	**0.478**			<0.000300		
	MW-7A	Oct-24		**0.0187**	0.0156				<0.00124	**3.06**	<0.000849	**0.484**			<0.000300		
	MW-7A	Oct-24	FD	**0.0181**	0.0168				<0.00124	**3.04**	<0.000849	**0.482**			0.000478 J		
	MW-7B	Apr-17		0.00397	0.0111				<0.000540	0.146	<0.000240	**0.472**			<0.000380		
	MW-7B	Apr-19		0.00400	0.0114				<0.000540	0.0885 J	0.000403 JB	**0.488**			<0.000380		
	MW-7B	Apr-21		0.00427	0.0112 J				<0.00124	0.121 B	<0.000849	**0.570**			0.000437 J		
	MW-7B	Mar-23		0.00441	0.0106				<0.00124	0.150	<0.000849	**0.584**			<0.000300		
	MW-10	Apr-22		**0.0429**	0.0176				0.00209	**5.85**	0.00189 J	**2.41**			<0.000300		
	MW-10	Oct-22		**0.0204**	0.0219				<0.0124	**1.17**	<0.00849	**2.27**			<0.00300		
	MW-10	Mar-23		**0.0145**	0.0141				<0.00124	0.338	<0.000849	**1.93**			0.000864 J		
	MW-10	Oct-23		**0.0124**	0.0125				<0.00124	0.204	<0.000849	**2.51**			<0.000300		
	MW-10	Apr-24		**0.0123**	0.0138				<0.00124	0.253	<0.000849	**2.60**			<0.000300		
	MW-10	Oct-24		**0.0137**	0.0129				<0.00124	0.428 B	<0.000849	**2.93**			<0.000300		

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Appendix B, Table B.2 - Summary of Groundwater Analytical Data - Total Metals

2024 Annual Groundwater Monitoring Report

HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Total Metals													
				Analyte	Arsenic	Barium	Boron	Cadmium	Cobalt	Chromium	Iron	Lead	Manganese	Mercury	Nickel	Selenium	Uranium	Vanadium
				CAS	7440-38-2	7440-39-3	7440-42-8	7440-43-9	7440-48-4	7440-47-3	7439-89-6	7439-92-1	7439-96-5	7439-97-6	7440-02-0	7782-49-2	7440-61-1	7440-62-2
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	0.0100	2.00	0.750	0.00500	0.0500	0.0500	1.00	0.0150	0.200	0.00200	0.200	0.0500	0.0300	0.0631
				CGWSL Source	WQCC HH	WQCC HH	WQCClrr	WQCClrr	WQCC HH	WQCC HH	WQCC Dom	WQCC HH	WQCC Dom	WQCC HH	WQCClrr	WQCC HH	WQCC HH	NMED TW
Area	**Well ID**	**Date**	**Dup**															
Evaporation Ponds	MW-11A	Apr-22			0.000586 J	0.0240				0.0183	**1.36**	<0.000849	**0.201**			<0.000300		
	MW-11A	Oct-22																
	MW-11A	Mar-23			<0.00180	0.0244				<0.0124	**1.12**	<0.00849	0.123			<0.00300		
	MW-11A	Oct-23																
	MW-11A	Apr-24			0.000413 J	0.0204				0.00607	**1.32**	<0.000849	0.0330			<0.000300		
	MW-11A	Oct-24																
	MW-11B	Apr-17			0.00420	0.0189				<0.000540	**4.59**	<0.000240	**0.374**			<0.000380		
	MW-11B	Apr-19			0.00336	0.0160				<0.000540	**3.67**	<0.000240	**0.367**			<0.000380		
	MW-11B	Apr-21			0.00370 J	0.0203 J				<0.00620	**3.96**	<0.00424	**0.403**			<0.00150		
	MW-11B	Mar-23			0.00352 J	0.0155 J				<0.0124	**3.82**	<0.00849	**0.362**			<0.00300		
	MW-15	Apr-21			**0.0192**	0.0168 J				<0.00124	0.0483 J	<0.000849	**0.206**			0.000799 J		
	MW-15	Apr-22			**0.0249**	0.0149				<0.00124	<0.0281	<0.000849	0.0627			0.000468 J		
	MW-15	Mar-23			**0.0246**	0.0162				<0.00124	0.0656 J	<0.000849	0.0453			0.000963 J		
	MW-15	Apr-24			**0.0180**	0.0182				0.00272	0.0314 J	<0.000849	0.0705			0.000710 J		
	MW-18A	Apr-22			0.00572	0.0169	**1.87**	<0.000150	0.00446	0.00154 J	0.864	<0.000849	**0.477**	<0.000100	0.0115	0.000709 J	0.0247	0.00196 JB
	MW-18A	Oct-22			0.00472 J	0.0175 J	**2.04**	<0.00150	<0.000596	<0.0124	0.623 J	<0.00849	**1.54**	<0.000100	0.00820 J	<0.00300	0.0222	<0.00664
	MW-18A	Mar-23			0.00461	0.0160	**1.96**	<0.000150	0.000424 J	0.00135 JB	0.0362 J	<0.000849	0.0594	<0.000100	0.00995	0.000796 J	0.0244	<0.000664
	MW-18A	Oct-23			0.00410 J	0.0185	**2.36**	<0.000750	0.000405 J	<0.00620	0.500 JB	<0.00424	**1.34**	<0.000100	0.00907 J	<0.00150	0.0224	<0.00332
	MW-18A	Apr-24			0.00448	0.0169	**2.08**	<0.000150	0.000279 J	<0.00124	<0.0281	<0.000849	0.0482	<0.000100 J6O1	0.00980	0.000532 J	0.0263	<0.000664
	MW-18A	Oct-24			0.00441 J	0.0196	**2.17**	<0.000750	0.00245 J	<0.00620	0.402 J	<0.00424	**1.63**	<0.0000700	0.0102	<0.00150	0.0227	<0.00332
	MW-18B	Apr-17			0.00883	0.0137				<0.000540	0.0793 J	0.00104 J	**0.803**			<0.000380		
	MW-18B	Apr-19			**0.0115**	0.0168				<0.000540	0.138	0.000778 J	**1.26**			<0.000380		
	MW-18B	Apr-21			0.00806	0.0137 J				<0.00124	0.0497 JB	<0.000849	**1.09**			<0.000300		
	MW-18B	Mar-23			0.00844	0.0114				<0.00124	0.0449 J	<0.000849	**1.02**			<0.000300		
	MW-22A	Apr-22			**0.0274**	0.0156				<0.00124	0.268	<0.000849	**0.670**			0.00292		
	MW-22A	Apr-22	FD		**0.0264**	0.0136				<0.00124	0.254	<0.000849	**0.657**			0.00304		
	MW-22A	Oct-22			**0.0334**	0.0256				<0.0124	<0.281	<0.00849	**0.311**			0.0274		
	MW-22A	Oct-22	FD		**0.0331**	0.0227				<0.0124	<0.281	<0.00849	**0.326**			0.0319		
	MW-22A	Mar-23			**0.0328**	0.0170				0.00843	0.0686 J	<0.000849	0.116			0.0247		
	MW-22A	Mar-23	FD		**0.0326**	0.0169				0.00760	0.0615 J	<0.000849	0.106			0.0254		
	MW-22A	Oct-23			**0.0240**	0.0160				<0.00124	0.283	<0.000849	**5.87**			0.00153 J		
	MW-22A	Oct-23	FD		**0.0233**	0.0156				<0.00124	0.284	<0.000849	**5.77**			0.00138 J		
	MW-22A	Apr-24			0.00942	0.0114				<0.00124	0.104	<0.000849	**1.09**			0.000367 J		
	MW-22A	Apr-24	FD		**0.0237**	0.0112				<0.00124	0.0805 J	<0.000849	**0.365**			0.00169 J		
	MW-22A	Oct-24			**0.0368**	0.0169				0.00489	**4.27**	<0.000849	**4.50**			0.000893 J		
	MW-22A	Oct-24	FD		**0.0368**	0.0167				<0.00124	**4.23**	<0.000849	**4.49**			0.00106 J		
	MW-22B	Apr-17			**0.0255**	0.0116				<0.000540	**1.03**	0.000313 J	**3.35**			0.000603 J		
	MW-22B	Apr-19			**0.0316**	0.0134				0.00173 J	**1.99**	<0.000240	**4.31**			0.000766 J		
	MW-22B	Apr-21			**0.0298**	0.0150 J				<0.00124	**2.04**	<0.000849	**5.02**			0.000614 J		
	MW-22B	Mar-23			**0.0273**	0.0126				<0.00124	**1.75**	<0.000849	**4.88**			0.00143 J		
	MW-70	Apr-22			**0.0148**	0.0127				<0.00124	**1.05**	<0.000849	0.189			<0.000300		
	MW-70	Oct-22			**0.0196**	0.0167				0.00158 J	**7.56**	<0.000849	**0.317**			<0.000300		
	MW-70	Mar-23			**0.0169**	0.0139				0.00155 JB	**3.19**	<0.000849	0.157			0.000306 J		
	MW-70	Oct-23			**0.0208**	0.0169				<0.00124	**8.51**	<0.000849	**0.385**			0.000476 J		
	MW-70	Apr-24			**0.0168**	0.0146				<0.00124	**4.74**	<0.000849	0.0644			<0.000300		
	MW-70	Oct-24			**0.0186**	0.0165				<0.00124	**7.05**	<0.000849	**0.219**			0.000316 J		
	MW-72	Apr-21			0.00548	0.0114 J				0.00175 J	0.730	<0.00424	**0.952**			0.00102 J		
	MW-72	Apr-22			0.00435	0.0112				0.00134 J	0.313	<0.000849	**0.493**			0.00171 J		
	MW-72	Mar-23			0.00428	0.00985				0.00125 J	0.286	<0.000849	**0.536**			0.00221		
	MW-72	Apr-24			0.00475	0.0108				<0.00124	0.369	<0.000849	**0.413**			0.00193 J		
	MW-73	Apr-21			**0.0440**	0.00786 J				0.00337	**1.45**	<0.00424	**0.337**			0.00136 J		
	MW-73	Apr-22			**0.0424**	0.00967				0.00158 J	**2.35**	<0.000849	**0.597**			0.00114 J		
	MW-73	Mar-23			**0.0408**	0.00870				<0.00124	0.930	<0.000849	**0.269**			0.00158 J		
	MW-73	Apr-24			**0.0391**	0.0104				<0.00620	**2.61**	<0.00424	**0.525**			0.00179 J		
	MW-74	Apr-22			**0.107**	0.0145				0.00295	0.121	<0.000849	**2.13**			0.0137		
	MW-74	Oct-22			**0.107**	0.0163 J				<0.0124	0.468 J	<0.00849	**2.13**			0.0111 J		
	MW-74	Mar-23			**0.0917**	0.0141				<0.00124	0.0308 J	<0.000849	**2.04**			0.0122		
	MW-74	Oct-23			**0.115**	0.0147				0.00157 J	0.999	<0.000849	**2.24**			0.00773		
	MW-74	Apr-24			**0.0902**	0.0138				<0.00124	0.0507 J	<0.000849	**1.95 V**			0.00528		
	MW-74	Oct-24			**0.117**	0.0464				0.00216	**12.7 V**	0.00144 J	**2.33 V**			0.00595		
	MW-75	Apr-22			**0.106**	0.0168				0.00172 J	0.409	<0.000849	**1.11**			0.00218		
	MW-75	Oct-22			**0.277**	0.0124 J				<0.0124	**4.89**	<0.00849	**1.10**			<0.00300		
	MW-75	Mar-23			**0.102**	0.0146				0.00162 J	0.252	<0.000849	**1.25**			0.00293		
	MW-75	Oct-23			**0.298**	0.0146				0.00181 J	**5.04**	<0.000849	**1.07**			0.00236		
	MW-75	Apr-24			**0.0863**	0.0143				<0.00124	0.198	<0.000849	**1.08**			0.00152 J		
	MW-75	Oct-24			**0.389**	0.0145				0.00139 J	**7.04**	<0.000849	**0.984**			0.00192 J		
	MW-76	Apr-22			**0.0287**	0.0128				<0.00124	**2.54**	<0.000849	**0.719**			0.00149 J		
	MW-76	Oct-22			**0.0273**	0.0159				<0.00124	**3.05**	<0.000849	**0.879**			0.00270		
	MW-76	Mar-23			**0.0225**	0.0126				<0.00124	**2.95**	<0.000849	**0.721**			0.00174 J		
	MW-76	Oct-23			**0.0226**	0.0149				0.00126 J	**2.71**	<0.000849	**0.754**			0.00144 J		
	MW-76	Apr-24			**0.0134**	0.0152				<0.00124	**1.27**	<0.000849	**0.692**			0.00102 J		
	MW-76	Oct-24			**0.0241**	0.0156				<0.00124	**3.44**	<0.000849	**0.718**			0.000884 J		
	MW-77	Apr-21			**0.0281**	0.0115 J				0.0138	**2.35**	<0.000849	**0.637**			0.00866		
	MW-77	Apr-22			**0.0196**	0.0158				0.0438	0.610	<0.000849	**0.506**			0.0131		
	MW-77	Mar-23			**0.0261**	0.0157				0.0296	**1.37**	<0.000849	**0.576**			0.0128		
	MW-77	Apr-24			**0.0184**	0.0148				0.0329	0.217	<0.000849	**0.497**			0.0121		
	MW-78	Apr-21			0.00985	0.0433				**0.215**	0.436	<0.000849	**0.372**			0.0120		
	MW-78	Apr-22			0.00692	0.0549				**0.147**	0.120	<0.000849	**0.236**			0.00963		
	MW-78	Mar-23			0.00747	0.0441				**0.109**	0.0969 J	<0.000849	0.180			0.0103		
	MW-78	Apr-24			0.00642	0.0423				**0.103**	0.0285 J	<0.000849	**0.275**			0.00710		
	MW-79	Apr-22			0.00473	0.0141				**0.0709 J6O1**	0.357	<0.000849	**0.393 O1V**			0.000925 J		
	MW-79	Oct-22			0.00278 J	0.0130				<0.00620	<0.140	<0.00424	**2.23**			<0.00150		
	MW-79	Mar-23			0.00377	0.0142				<0.00124	0.0453 J	<0.000849	**0.240**			0.00135 J		
	MW-79	Oct-23			0.00483	0.0161				<0.00124	0.0935 J	<0.000849	**0.891**			0.0145		
	MW-79	Apr-24			0.00491	0.0139				<0.00124	0.0607 J	<0.000849	0.175			0.0132		
	MW-79	Oct-24			0.00455	0.0159				<0.00124	0.0538 J	<0.000849	**0.488**			0.0188		
	MW-80	Apr-21			0.00170 J	0.0130 J				<0.00124	0.0443 J	<0.000849	0.0589			0.000549 J		
	MW-80	Apr-22			0.00820	0.0139				0.00365	**2.51**	<0.000849	**0.447**			0.000860 J		
	MW-80	Mar-23			0.00225	0.0133				<0.00124	0.0854 J	<0.000849	0.0841			0.000687 J		
	MW-80	Apr-24			0.00152 J	0.0134				<0.00124	0.0908 J	<0.000849	0.0749			0.000429 J		
	MW-81	Apr-21			0.00614	0.0144 J				<0.00124	<0.0281	<0.000849	0.0251			0.00699		
	MW-81	Apr-22			0.00621	0.0141				<0.00124	0.0450 J	<0.000849	0.0213			0.0120		
	MW-81	Mar-23			0.00648	0.0151				0.00532	0.0847 J	<0.000849	0.115			0.0113		
	MW-81	Apr-24			0.00645	0.0131				<0.00124	<0.0281	<0.000849	0.0267			0.00995		
	MW-82	Apr-21			**0.0153**	0.0230				<0.00124	0.156	<0.000849	**2.70**			0.000571 J		
	MW-82	Apr-22			**0.0235**	0.0257				<0.00124	0.235	<0.000849	**2.55**			0.00103 J		
	MW-82	Mar-23			**0.0225**	0.0239				0.00228	0.269	<0.000849	**2.84**			0.00115 J		
	MW-82	Apr-24			**0.0167**	0.0216				<0.00124	0.194	<0.000849	**2.66**			0.000674 J		

Appendix B, Table B.2 - Summary of Groundwater Analytical Data - Total Metals

2024 Annual Groundwater Monitoring Report

HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Total Metals													
				Analyte	Arsenic	Barium	Boron	Cadmium	Cobalt	Chromium	Iron	Lead	Manganese	Mercury	Nickel	Selenium	Uranium	Vanadium
				CAS	7440-38-2	7440-39-3	7440-42-8	7440-43-9	7440-48-4	7440-47-3	7439-89-6	7439-92-1	7439-96-5	7439-97-6	7440-02-0	7782-49-2	7440-61-1	7440-62-2
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	0.0100	2.00	0.750	0.00500	0.0500	0.0500	1.00	0.0150	0.200	0.00200	0.200	0.0500	0.0300	0.0631
				CGWSL Source	WQCC HH	WQCC HH	WQCClrr	WQCClrr	WQCC HH	WQCC HH	WQCC Dom	WQCC HH	WQCC Dom	WQCC HH	WQCClrr	WQCC HH	WQCC HH	NMED TW
Area	**Well ID**	**Date**	**Dup**															
Evaporation Ponds	MW-83	Apr-22		**0.0440**	0.0299				0.00546	0.586	0.00103 J	**0.469**				0.00577		
	MW-83	Oct-22		**0.0379**	0.0219				0.00419	**6.02**	<0.000849	**0.482**				0.0105		
	MW-83	Mar-23		**0.0503**	0.0205				0.00601	0.423	0.00120 J	**0.426**				0.0107		
	MW-83	Oct-23		**0.0466**	0.0208				0.00443	**4.25**	<0.000849	**0.516**				0.00924		
	MW-83	Apr-24		**0.0261**	0.0222				0.00276	0.236	<0.000849	**0.243**				0.00312		
	MW-83	Oct-24		**0.0519**	0.0284				0.00661	0.911	0.00117 J	**0.206**				0.00967		
	MW-84	Apr-22		**0.110**	0.0135				0.00551	**1.93**	<0.000849	**2.81**				0.00766		
	MW-84	Oct-22		**0.184**	0.0123				<0.00620	**11.6**	<0.00424	**2.68**				0.00870 J		
	MW-84	Mar-23		**0.112**	0.0132				0.00648	**1.45**	<0.000849	**2.69**				0.00836		
	MW-84	Oct-23		**0.157**	0.0125				0.00525	**9.11**	<0.000849	**2.69**				0.00630		
	MW-84	Apr-24		**0.140**	0.0111				0.00392	**4.12**	<0.000849	**2.38**				0.00571		
	MW-84	Oct-24		**0.164**	0.0125				0.00358	**9.68**	<0.000849	**2.65**				0.00555		
	MW-86	Jun-20		**0.104**	0.0255	0.626	<0.000478		0.000506 J	**0.0552**	**4.20**	<0.00249	0.158	<0.000100	0.00828	0.00715	<0.00754	0.0220
	MW-86	Oct-20		**0.0948**	0.0184 J	0.671	<0.000478		<0.000477	0.0388	0.210	0.00356 J	0.170	<0.000100	0.00447	0.00443	<0.00754	0.0209
	MW-87	Apr-22		0.00467	0.0139					0.00209	0.181	<0.000849	0.0806			0.000323 J		
	MW-87	Oct-22		0.00536 J	0.0162 J					<0.0124	<0.281	<0.00849	**1.37**			<0.00300		
	MW-87	Mar-23		0.00439	0.0137					<0.00124	<0.0281	<0.000849	0.0301			<0.000300		
	MW-87	Oct-23		0.00499 J	0.0169					<0.00620	0.162 JB	<0.00424	**0.726**			<0.00150		
	MW-87	Apr-24		0.00457	0.0132					<0.00124	0.0869 J	<0.000849	0.0499			<0.000300		
	MW-87	Oct-24		0.00597	0.0163					<0.00124	0.289	<0.000849	**1.06**			<0.000300		
	MW-88	Apr-22		0.00732	0.0116					<0.00124	0.0285 J	<0.000849	**0.937**			<0.000300		
	MW-88	Oct-22		0.00715 J	0.0110					<0.00620	<0.140	<0.00424	**0.750**			<0.00150		
	MW-88	Mar-23		0.00915	0.0103					<0.00124	0.0806 J	<0.000849	**1.06**			0.000710 J		
	MW-88	Oct-23		0.00839 J	0.0120					<0.00620	<0.140	<0.00424	**0.935**			<0.00150		
	MW-88	Apr-24		0.00201	0.0115					0.00298	<0.0281	<0.000849	**0.321**			0.00160 J		
	MW-88	Oct-24		0.00958	0.0133					<0.00124	0.196	<0.000849	**1.36**			<0.000300		
	MW-120	Apr-22		0.00541	0.0106					<0.00124	**4.34**	<0.000849	**1.27**			0.00110 J		
	MW-120	Oct-22		0.00257 J	0.0124 J					<0.0124	**4.24**	<0.00849	**1.41** V			<0.00300		
	MW-120	Mar-23		0.00317	0.0112					<0.00124	**2.87**	<0.000849	**1.11**			0.0140		
	MW-120	Oct-23		0.00414	0.0121					<0.00124	**11.6**	<0.000849	**1.28**			0.00569		
	MW-120	Apr-24		0.00336	0.00933					<0.00124	0.779	<0.000849	**0.764**			0.00798		
	MW-120	Oct-24		0.00916	0.0184					<0.00124	**50.6**	<0.000849	**1.18**			0.00413		
	MW-121	Apr-22		**0.0461**	0.0121					<0.00124	0.552	<0.000849	**1.70**			0.00509		
	MW-121	Oct-22		**0.0566**	0.0146					<0.00124	0.823	<0.000849	**2.00**			0.00898		
	MW-121	Mar-23		**0.0283**	0.0116					<0.00124	0.224	<0.000849	**1.65**			0.00629		
	MW-121	Oct-23		**0.0343**	0.0124					<0.00124	0.260	<0.000849	**1.55**			0.00685		
	MW-121	Apr-24		**0.0222**	0.0101					<0.00124	<0.0281	<0.000849	**1.25**			0.00312		
	MW-121	Oct-24		**0.205**	0.0172					<0.00124	**5.33**	<0.000849	**2.20**			0.00276		
	MW-122	Apr-22		0.00179 J	0.0204					0.00182 J	**1.18**	<0.000849	**0.451**			<0.000300		
	MW-122	Oct-22		0.00387	0.0224					<0.00124	**4.51**	<0.000849	**1.11**			<0.000300		
	MW-122	Mar-23		0.00319	0.0315					<0.00124	**2.43**	<0.000849	**1.21**			<0.000300		
	MW-122	Oct-23		0.00414	0.0244					<0.00124	**6.51**	<0.000849	**1.28**			<0.000300		
	MW-122	Apr-24		0.00104 J	0.0228					<0.00124	0.555	<0.000849	0.183			<0.000300		
	MW-122	Oct-24		0.00299	0.0260					<0.00124	**5.80**	<0.000849	**1.30**			<0.000300		
	MW-123	Apr-22		**0.0182**	0.0379					<0.00124	0.0518 J	<0.000849	**3.47**			<0.000300		
	MW-123	Oct-22		**0.0194** JO1	0.0317					<0.0124	<0.281	<0.00849	**3.28** V			<0.00300		
	MW-123	Mar-23		**0.0178**	0.0300					<0.00124	<0.0281	<0.000849	**3.27**			0.000738 J		
	MW-123	Oct-23		**0.0169**	0.0290					<0.00124	0.0377 J	<0.000849	**3.45**			<0.000300		
	MW-123	Apr-24		**0.0189**	0.0282					0.00124 J	0.783	0.00164 J	**3.15**			0.000453 J		
	MW-123	Oct-24		**0.0157**	0.0293 O1					<0.00124	0.0624 JB	<0.000849	**3.99** O1			<0.000300		
	MW-124	Apr-22		0.00150 J	0.0185					<0.00124	**3.33**	<0.000849	**0.671**			<0.000300		
	MW-124	Oct-22		<0.00180	0.0193 J					<0.0124	**4.75**	<0.00849	**0.540**			<0.00300		
	MW-124	Mar-23		0.00111 J	0.0153					<0.00124	**1.61**	<0.000849	**0.321**			<0.000300		
	MW-124	Oct-23		0.00154 J	0.0163					<0.00620	**5.06**	<0.00424	**0.435**			<0.00150		
	MW-124	Apr-24		0.000933 J	0.0156					<0.00124	**1.99**	<0.000849	**0.293**			<0.000300		
	MW-124	Oct-24		0.00312 J	0.0190					<0.00620	**7.70**	<0.00424	**0.508**			<0.00150		
	OCD-1R	Apr-22		0.00235	0.0181					0.00532	0.224	<0.000849	**0.205**			0.000402 J		
	OCD-1R	Oct-22		**0.0307**	0.0388					<0.0124	**14.7**	<0.00849	**5.93**			<0.00300		
	OCD-1R	Mar-23		**0.0224**	0.0231					<0.00124	**8.74**	<0.000849	**2.79**			0.00115 J		
	OCD-1R	Oct-23		**0.0249**	0.0306					<0.00124	**9.76**	<0.000849	**3.16**			<0.000300		
	OCD-1R	Apr-24		**0.0118**	0.0205					<0.00124	**4.53**	<0.000849	**1.50**			<0.000300		
	OCD-1R	Oct-24		**0.0104**	0.0255					<0.00124	**4.20**	<0.000849	**1.53**			0.000328 J		
	OCD-2A	Apr-22		0.00129 J	0.0208					0.00128 J	0.752	<0.000849	**0.414**			<0.000300		
	OCD-2A	Oct-22		0.00184 J	0.0220					<0.00620	**3.59**	<0.00424	**1.21**			<0.00150		
	OCD-2A	Mar-23		0.00171 J	0.0227					<0.00124	**1.31**	<0.000849	**0.676**			0.00110 J		
	OCD-2A	Oct-23		0.00252	0.0267					<0.00124	**5.26**	<0.000849	**1.42**			0.000428 J		
	OCD-2A	Apr-24		0.00227	0.0196					<0.00124	**3.66**	<0.000849	**1.41**			<0.000300		
	OCD-2A	Oct-24		0.00173 J	0.0416					<0.00124	**4.32**	<0.000849	**0.944**			<0.000300		
	OCD-3	Apr-22		0.000875 J	0.0174					0.00147 J	0.0805 J	<0.000849	0.110			<0.000300		
	OCD-3	Oct-22		0.000856 J	0.0231					<0.00124	0.211	<0.000849	**0.311**			0.000643 J		
	OCD-3	Mar-23		0.000930 J	0.0212					<0.00124	0.161	<0.000849	**0.226**			0.000551 J		
	OCD-3	Oct-23		0.00162 J	0.0248					**0.656**	**3.29**	<0.000849	**0.968**			<0.000300		
	OCD-3	Apr-24		0.000910 J	0.0234					<0.00124	0.296	<0.000849	**0.277**			<0.000300		
	OCD-3	Oct-24		0.000894 J	0.0157					<0.00124	0.408	<0.000849	**0.283**			<0.000300		
	OCD-4	Apr-22		0.00216	0.0212					0.00249	**1.41**	<0.000849	0.0678			<0.000300		
	OCD-4	Oct-22		0.00653 J	0.0217					<0.0124	**4.91**	<0.00849	**0.350**			<0.00300		
	OCD-4	Mar-23		0.00279	0.0216					<0.00124	**1.75**	<0.000849	0.0540			0.000637 J		
	OCD-4	Oct-23		0.00659	0.0244					<0.00124	**6.16**	<0.000849	**0.453**			<0.000300		
	OCD-4	Apr-24		0.00398	0.0176					<0.00124	**3.24**	<0.000849	0.0762			<0.000300		
	OCD-4	Oct-24		0.00680	0.0200					<0.00124	**6.14**	<0.000849	0.173			<0.000300		
	OCD-5	Apr-22		**0.0149**	0.0237					0.00180 J	**13.5**	<0.000849	0.171			<0.000300		
	OCD-5	Oct-22		**0.0159** J	0.0270 O1					<0.0124	**12.2**	<0.00849	**0.436**			<0.00300		
	OCD-5	Mar-23		**0.0105** J	0.0236					<0.0124	**7.22**	<0.00849	0.158			<0.00300		
	OCD-5	Oct-23		**0.0253**	0.0284					<0.00124	**27.7**	<0.000849	**0.392**			<0.000300		
	OCD-5	Apr-24		0.00767	0.0221					<0.00124	**3.91**	<0.000849	0.155			<0.000300		
	OCD-5	Oct-24		**0.0107**	0.0271					<0.00124	**8.87**	<0.000849	**0.417**			<0.000300		
	OCD-6	Apr-22		0.00637	0.0219					<0.00124	0.543	<0.000849	**2.06**			0.00122 J		
	OCD-6	Oct-22		0.00876	0.0241					<0.00124	**3.32**	<0.000849	**1.82** V			0.000730 J		
	OCD-6	Mar-23		0.00659	0.0225					<0.00124	**1.52**	<0.000849	**1.91**			0.000944 J		
	OCD-6	Oct-23		0.00978	0.0268					<0.00124	**6.44**	<0.000849	**2.39**			0.000737 J		
	OCD-6	Apr-24		0.00656	0.0222					<0.00124	0.522	<0.000849	**2.03**			0.000335 J		
	OCD-6	Oct-24		0.00994	0.0267					<0.00124	**8.29**	<0.000849	**2.35**			0.000522 J		
	OCD-7AR	Apr-22		**0.0953**	0.0142					0.00201	**11.8**	<0.000849	**2.76**			0.00126 J		
	OCD-7AR	Oct-22		**0.0927**	0.0171					<0.00124	**11.9**	<0.000849	**3.27**			0.00145 J		
	OCD-7AR	Mar-23		**0.0478**	0.0133					<0.00124	**3.45**	<0.000849	**2.43**			0.00140 J		
	OCD-7AR	Oct-23		**0.103**	0.0152					<0.00124	**11.2**	<0.000849	**2.86** V			0.00120 J		
	OCD-7AR	Apr-24		**0.0582**	0.0144					<0.00124	**5.51**	<0.000849	**2.97**			0.00107 J		
	OCD-7AR	Oct-24		**0.0764**	0.0162					<0.00124	**11.0**	<0.000849	**3.33**			0.00128 J		
	OCD-7B	Apr-17		0.00194 J	0.0179					<0.000540	**2.73**	<0.000240	**0.621**			<0.000380		
	OCD-7B	Apr-19		0.00184 J	0.0163					0.000918 J	**4.81**	0.000715 JB	**0.564**			<0.000380		
	OCD-7B	Apr-21		0.00169 J	0.0151 J					<0.00124	**4.34**	<0.000849	**0.669**			<0.000300		
	OCD-7B	Mar-23		0.00226	0.0152					<0.00124	**3.95**	<0.000849	**0.655**			<0.000300		

Appendix B, Table B.2 - Summary of Groundwater Analytical Data - Total Metals

2024 Annual Groundwater Monitoring Report

HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Total Metals													
				Analyte	Arsenic	Barium	Boron	Cadmium	Cobalt	Chromium	Iron	Lead	Manganese	Mercury	Nickel	Selenium	Uranium	Vanadium
				CAS	7440-38-2	7440-39-3	7440-42-8	7440-43-9	7440-48-4	7440-47-3	7439-89-6	7439-92-1	7439-96-5	7439-97-6	7440-02-0	7782-49-2	7440-61-1	7440-62-2
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	0.0100	2.00	0.750	0.00500	0.0500	0.0500	1.00	0.0150	0.200	0.00200	0.200	0.0500	0.0300	0.0631
				CGWSL Source	WQCC HH	WQCC HH	WQCClrr	WQCClrr	WQCC HH	WQCC HH	WQCC Dom	WQCC HH	WQCC Dom	WQCC HH	WQCClrr	WQCC HH	WQCC HH	NMED TW
Area	**Well ID**	**Date**	**Dup**															
Evaporation Ponds	OCD-8A	Apr-22		**0.0436**	0.0163	**1.02**	<0.000150	0.00277	<0.00124	**2.49**	<0.000849	**2.23**	<0.000100	0.0322	0.00108 J	0.00485	0.00224 JB
	OCD-8A	Oct-22		**0.0333**	0.0269	**1.25**	<0.00150	0.00329 J	<0.0124	**1.13**	<0.00849	**3.16**	<0.000100	0.0199 J	<0.00300	0.00686 J	<0.00664
	OCD-8A	Mar-23		**0.0272**	0.0153	**0.957**	<0.000150	0.00140 J	<0.00124	**1.17**	<0.000849	**1.06**	<0.000100	0.0312	0.00136 J	0.00551	<0.000664
	OCD-8A	Oct-23		**0.0644**	0.0166	**1.02**	<0.000750	0.00143 J	<0.00620	**3.60**	<0.00424	**2.61**	<0.000100	0.0209	<0.00150	0.00302 J	<0.00332
	OCD-8A	Apr-24		**0.0674**	0.0171	**0.833**	<0.000750	0.00131 J	<0.00620	**4.82**	<0.00424	**3.00**	<0.000100	0.0212	0.00224 J	0.00233 J	<0.00332
	OCD-8A	Oct-24		**0.0755**	0.0148	**0.866**	<0.000150	0.00160 J	<0.00124	**5.78**	<0.000849	**3.18**	<0.0000700	0.0214	0.00152 J	0.00186	0.000751 J
	OCD-8B	Apr-17		0.00912	0.0124				<0.000540	0.266	0.000256 J	**6.36**			<0.000380		
	OCD-8B	Apr-19		0.0100	0.0135				<0.000540	0.240	0.000392 J	**7.21** V			0.000541 J		
	OCD-8B	Apr-21		0.00986	0.0128 J				<0.00124	0.198 B	<0.000849	**6.01**			0.000465 J		
	OCD-8B	Mar-23		0.00916	0.0117				<0.00124	0.143	<0.000849	**6.52**			<0.000300		
	KWB-1A	Oct-22		0.00361	0.00822	0.700	<0.000150	0.00658	<0.00124	0.0287 J	<0.000849	**0.430**	<0.000100	0.00788	<0.000300	0.0106	0.0203
	KWB-1A	Mar-23		0.00344	0.00974	0.745	<0.000150	0.00605	<0.00124	0.295	0.00331	**0.401**	<0.000100	0.00799	<0.000300	0.0102	0.0174
	KWB-1A	Oct-23		0.00332	0.00888	0.723	<0.000150	0.00590	<0.00124	0.0754 J	<0.000849	**0.376**	<0.000100	0.00718	<0.000300	0.00862	0.0173
	KWB-1A	Apr-24		0.00327	0.00866	0.695	<0.000150	0.00531	<0.00124	0.0984 J	<0.000849	**0.328**	<0.000100	0.00625	<0.000300	0.00811	0.0170
	KWB-1A	Oct-24		0.00359	0.00969	0.681	<0.000150	0.00564	<0.00124	0.0615 J	0.00142 J	**0.314**	<0.0000700	0.00700	<0.000300	0.00793	0.0201
	KWB-1C	Apr-17		0.00303	0.00955				<0.000540	<0.0150	<0.000240	**0.501**			<0.000380		
	KWB-1C	Apr-19		0.00347	0.00925				0.00162 JB	0.0269 J	0.000292 JB	**0.482**			<0.000380		
	KWB-1C	Apr-21		0.00331	0.00957 J				<0.00124	0.0295 J	<0.000849	**0.420**			0.000303 J		
	KWB-1C	Mar-23		0.00366	0.00902				<0.00124	<0.0281	<0.000849	**0.426**			<0.000300		
	KWB-7	Apr-22		0.00198 J	0.0642	0.449	<0.000150	0.00121 J	<0.00124	**1.43**	0.00124 J	**1.42**	<0.000100	0.00374	<0.000300	0.000367 J	0.00362 JB
	KWB-7	Oct-22		0.000673 J	0.0583	0.441	<0.000150	0.000173 J	<0.00124	0.243	<0.000849	**2.31**	<0.000100	0.000968 J	<0.000300	0.000476 J	0.00288 J
	KWB-7	Mar-23		0.000379 J	0.0665	0.470	<0.000150	0.0000869 J	<0.00124	0.0649 J	<0.000849	**1.78**	<0.000100	<0.000816	<0.000300	0.000428 J	0.00173 J
	KWB-7	Oct-23		0.000292 J	0.0449	0.425	<0.000150	0.0000963 J	0.00221	0.105	<0.000849	**2.35**	<0.000100	0.00160 J	<0.000300	0.000433 J	0.000824 J
	KWB-7	Apr-24		0.000268 J	0.0388	0.445	<0.000150	<0.0000596	<0.00124	0.0511 J	<0.000849	**1.73**	<0.000100	<0.000816	<0.000300	0.000463 J	0.00135 J
	KWB-7	Oct-24		0.000310 J	0.0418	0.403	<0.000150	<0.0000596	<0.00124	0.0606 J	<0.000849	**2.33**	<0.0000700	<0.000816	<0.000300	0.000569 J	0.00123 J
	KWB-8	Apr-17		0.00129 J	0.106	0.632	<0.000160	0.000264 J	0.000851 J	**1.07**	0.00495	**1.83**	<0.0000490	0.00120 J	<0.000380	<0.000330	0.00157 J
	KWB-8	Oct-17		0.00135 J	0.130	**0.769**	<0.000160	<0.000260	0.00153 J	0.0804 J	0.00296	**0.510**	<0.0000490	0.000997 J	0.0463	<0.000330	0.00112 J
	KWB-8	Oct-20		0.00348	0.0706	0.661	<0.000478	0.000490 J	0.00626	**1.32**	0.00678	0.0432	<0.000100	0.00306	<0.000657	<0.00754	0.00115 J
	KWB-10R	Apr-17		**0.0157**	**3.82**				<0.000540	**5.21**	0.000971 J	0.157			<0.000380		
	KWB-10R	Oct-17		**0.0170**	**3.85**				<0.000540	**5.24**	0.000996 J	0.163			<0.000380		
	KWB-10R	Apr-18		**0.0169**	**3.91**				<0.000540	**4.57**	0.00320	0.170			<0.000380		
	KWB-10R	Oct-18		**0.0164**	**3.93**				<0.00270	**4.24**	0.00124 J	0.168			<0.00190		
	KWB-11A	Oct-22		0.00238	0.0219	0.360	<0.000150	0.000703 J	<0.00124	0.732	<0.000849	**0.336**	<0.000100	0.00270	<0.000300	0.0142	0.00792
	KWB-11A	Mar-23		0.00575	0.0301	0.374	<0.000150	0.000244 J	<0.00124	**8.12**	<0.000849	**0.910**	<0.000100	0.00119 J	<0.000300	0.00558	0.00285 J
	KWB-11A	Oct-23		0.00224	0.0168	0.363	<0.000150	0.000694 J	<0.00124	0.390	<0.000849	**0.314**	<0.000100	0.00326	<0.000300	0.0136	0.00942
	KWB-11A	Apr-24		0.00105 J	0.0268	0.364	<0.000150	0.0000840 J	<0.00124	**8.05**	<0.000849	**0.945**	<0.000100	<0.000816	<0.000300	0.00472	0.00319 J
	KWB-11A	Oct-24		0.00226	0.0168	0.338	<0.000150	0.000479 J	<0.00124	**1.07**	<0.000849	**0.341**	<0.0000700	0.00314	<0.000300	0.0132	0.00205 J
	KWB-11B	Apr-22		0.000340 J	0.0119	0.0973 J	<0.000150	<0.0000596	<0.00124	0.0306 J	<0.000849	0.000734 J	<0.000100	<0.000816	0.00694	0.00777	0.00241 J
	KWB-11B	Oct-22		0.00157 J	0.0142	0.116 J	<0.000150	<0.0000596	<0.00124	<0.0281	<0.000849	0.00167 J	0.000160 J	<0.000816	0.00605	0.0141	0.00953
	KWB-11B	Mar-23		0.00149 J	0.0145	0.122 J	<0.000150	<0.0000596	<0.00124	<0.0281	<0.000849	0.00371 J	<0.000100	<0.000816	0.00638	0.0145	0.00929
	KWB-11B	Oct-23		0.00149 J	0.0141	0.128 J	<0.000150	<0.0000596	<0.00124	<0.0281	<0.000849	0.00194 J	<0.000100	<0.000816	0.00540	0.0144	0.00906
	KWB-11B	Apr-24		0.00151 J	0.0146	0.121 J	<0.000150	<0.0000596	<0.00124	<0.0281	<0.000849	0.00330 J	<0.000100	<0.000816	0.00470	0.0158	0.00930
	KWB-11B	Oct-24		0.00154 J	0.0147	0.125 J	<0.000150	<0.0000596	<0.00124	<0.0281	<0.000849	0.00245 J	<0.0000700	<0.000816	0.00503	0.0153	0.00972
	KWB-12A	Sep-21		0.00158 J	0.0194	0.503	<0.000150	0.0000641 J	0.00124 J	0.0498 J	<0.000849	0.00144 J	<0.000100	0.000944 J	0.00549	0.0260	0.0135
	KWB-12A	Oct-22		0.00180 J	0.0174	0.556	<0.000150	0.0000698 J	<0.00124	<0.0281	<0.000849	0.000810 J	<0.000100	0.000856 J	0.00368	0.0259	0.0156
	KWB-12A	Oct-23		0.00182 J	0.0163	0.512	<0.000150	0.0000671 J	<0.00124	<0.0281	<0.000849	0.000943 J	<0.000100	<0.000816	0.00301	0.0229	0.0150
	KWB-12A	Oct-24		0.00238	0.0221	0.507	<0.000150	0.000384 J	<0.00124	0.129	<0.000849	0.0732	<0.0000700	0.00198 J	0.00292	0.0256	0.0127
	KWB-12B	Apr-22		0.00176 J	0.00962	0.625	<0.000150	<0.0000596	<0.00124	<0.0281	<0.000849	<0.000704	<0.000100	<0.000816	0.00203	**0.0304**	0.0132
	KWB-12B	Apr-22	FD	0.00175 J	0.00978				<0.00124	<0.0281	<0.000849	<0.000704			0.00262		
	KWB-12B	Oct-22		0.00210	0.0150	0.637	<0.000150	0.0000735 J	<0.00124	0.0329 J	<0.000849	0.00162 J	0.000107 J	<0.000816	0.00469	**0.0309**	0.0159
	KWB-12B	Oct-22	FD	0.00213	0.0147	0.641	<0.000150	0.0000788 J	<0.00124	0.0308 J	<0.000849	0.00109 J	<0.000100	<0.000816	0.00498	**0.0309**	0.0161
	KWB-12B	Mar-23		0.00161 J	0.00840	0.676	<0.000150	<0.0000596	<0.00124	0.0294 J	<0.000849	<0.000704	<0.000100	<0.000816	0.00263	0.0295	0.0129
	KWB-12B	Mar-23	FD	0.00181 J	0.00942	0.686	<0.000150	0.000113 J	<0.00124	<0.0281	<0.000849	<0.000704	<0.000100	<0.000816	0.00230	0.0299	0.0129
	KWB-12B	Oct-23		0.00196 J	0.0155	0.633	<0.000150	<0.0000596	<0.00124	<0.0281	<0.000849	<0.000704	<0.000100	<0.000816	0.00364	0.0277	0.0146
	KWB-12B	Oct-23	FD	0.00196 J	0.0150	0.615	<0.000150	0.0000655 J	<0.00124	<0.0281	<0.000849	<0.000704	<0.000100	<0.000816	0.00338	0.0279	0.0147
	KWB-12B	Apr-24		0.00178 J	0.0111	0.657	<0.000150	0.0000640 J	<0.00124	0.0439 J	<0.000849	0.00272 J	<0.000100	0.000833 J	0.00208	**0.0301**	0.0136
	KWB-12B	Apr-24	FD	0.00167 J	0.00980	0.671	<0.000150	<0.0000596	<0.00124	<0.0281	<0.000849	<0.000704	<0.000100	<0.000816	0.00229	0.0291	0.0127
	KWB-12B	Oct-24		0.00170 J	0.00902	0.646	<0.000150	<0.0000596	0.00154 JB	<0.0281	<0.000849	<0.000704	<0.0000700	<0.000816	0.00176 J	**0.0322**	0.0135
	KWB-12B	Oct-24	FD	0.00175 J	0.00858	0.652	<0.000150	0.0000689 J	0.00186 JB	<0.0281	<0.000849	0.00100 J	<0.0000700	0.000828 J	0.00184 J	**0.0324**	0.0139
	KWB-P4	Apr-17															
	KWB-P4	Apr-19															
	KWB-P4	Apr-21															
	KWB-P4	Mar-23															
	MW-57	Oct-20		**0.0157**	0.136				0.00879	**6.56**	0.0100	**0.333**			0.0120		
	MW-57	Apr-21		0.00954	0.0573				0.00558	**2.15**	0.00445	0.195			0.0145		
	MW-57	Sep-21		0.00799	0.0374				0.00249	**1.38**	0.00718	0.0587			0.0193		
	MW-57	Apr-22		0.00825	0.0460				0.00354	**1.80**	0.00776	**0.527**			0.0104		
	MW-58	Oct-17		0.00648	1.15	0.471	<0.000160	<0.000260	<0.000540	0.385	0.00204	**0.319**	<0.0000490	0.00129 J	<0.000380	<0.00165	0.00422 J
	MW-58	Apr-18		0.00453	1.35	0.511	<0.000160	<0.000260	<0.000540	**1.54**	0.00185 J	**0.210**	<0.0000490	0.00105 J	<0.000380	<0.000330	0.00270 J
	MW-58	Oct-18		0.00336	1.29	0.348	<0.000160	<0.000260	0.000567 J	0.721	0.00167 J	**0.335**	<0.0000490	0.000975 J	<0.000380	0.000458 J	0.00305 J
	MW-58	Oct-19		0.00549	0.988	0.736	<0.000160	0.000479 J	0.000715 J	0.767	0.00437	0.0912	0.0000567 JB	0.00160 J	<0.000380	<0.000330	0.00441 J
	MW-111	Oct-18		0.00849 J	0.0674				<0.00270	**6.39**	<0.00120	**1.42**			<0.00190		
	MW-111	Apr-19		**0.0199**	0.364				0.0112	**13.1**	0.00704	**1.79**			0.000631 J		
	MW-111	Oct-19		0.00909	0.0915				0.00109 J	**6.90**	0.000687 JB	**1.37**			<0.000380		
	MW-111	Jun-20		**0.0183**	0.285				0.00596	**9.23**	0.00469 J	**1.61**			<0.000657		
	MW-112	Nov-14		0.00500	**7.60**				0.00210	**5.80**	0.00130 J	**0.310**			0.00180 J		
	MW-113	Apr-22		0.000661 J	0.0336				<0.00124	**1.01**	<0.000849	**1.19**			<0.000300		
	MW-113	Apr-22	FD	0.000677 J	0.0331				<0.00124	0.998	<0.000849	**1.16**			<0.000300		
	MW-113	Oct-22		0.00111 J	0.276				<0.00124	<0.0281	0.00230	**0.259**			<0.000300		
	MW-113	Oct-22	FD	0.000976 J	0.285				0.00158 J	<0.0281	0.00222	**0.252**			<0.000300		
	MW-113	Mar-23		0.000425 J	0.130				<0.00124	0.482	<0.000849	**0.911**			<0.000300		
	MW-113	Mar-23	FD	0.000320 J	0.0484				<0.00124	0.455	<0.000849	**0.875**			<0.000300		
	MW-113	Oct-23		0.00111 J	0.333				<0.00124	0.0283 JB	0.00218	0.194			<0.000300		
	MW-113	Oct-23	FD	0.00113 J	0.325				<0.00124	0.0327 JB	0.00231	0.200			<0.000300		
	MW-113	Apr-24		0.000279 J	0.0689				<0.00124	0.178	<0.000849	**0.753**			<0.000300		
	MW-113	Apr-24	FD	0.000322 J	0.0721				<0.00124	0.199	<0.000849	**0.819**			<0.000300		
	MW-113	Oct-24		0.000837 J	0.300				<0.00124	0.0660 J	0.00191 J	**0.206**			<0.000300		
	MW-113	Oct-24	FD	0.000969 J	0.301				<0.00124	0.0366 J	0.00189 J	**0.201**			<0.000300		
	MW-125	Apr-22		0.00343	0.00848				<0.00124	<0.0281	<0.000849	**0.387**			0.000565 J		
	MW-125	Oct-22		0.00348	0.00960				<0.00124	<0.0281	<0.000849	**0.408**			0.00102 J		
	MW-125	Mar-23		0.00342	0.00890	0.425	<0.000150	0.00595	<0.00124	<0.0281	<0.000849	**0.381**	<0.000100	0.00773	0.000702 J	**0.0314 O1**	0.0172
	MW-125	Oct-23		0.00360	0.00958	0.475	<0.000150	0.00872	<0.00124	0.0414 JB	<0.000849	**0.410**	<0.000100	0.00843	<0.000300	**0.0336**	0.0172
	MW-125	Apr-24		0.00327	0.00862	0.417	<0.000150	0.00645	<0.00124	<0.0281	<0.000849	**0.371**	<0.000100	0.00826	0.000479 J	**0.0323**	0.0169
	MW-125	Oct-24		0.00347	0.00959	0.400	<0.000150	0.00722	<0.00124	<0.0281	<0.000849	**0.364**	<0.0000700	0.00860	0.000982 J	**0.0318**	0.0177
	MW-126A	Apr-19		0.00122 J	0.0151				0.00136 JB	0.431	<0.000240	**0.776**			<0.000380		
	MW-126A	Oct-19		0.00261	0.0205				0.00105 J	**2.05**	0.000799 J	**0.649**			<0.000380		
	MW-126A	Jun-20		0.00110 J	0.0157 J				<0.00149	0.437	<0.00249	**0.617**			<0.000657		
	MW-126A	Oct-20		0.00225	0.0158 J				<0.00149	**1.78**	<0.00249	**0.707**			<0.000657		

Field East of Refinery

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Appendix B, Table B.2 - Summary of Groundwater Analytical Data - Total Metals

2024 Annual Groundwater Monitoring Report

HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Total Metals													
				Analyte	Arsenic	Barium	Boron	Cadmium	Cobalt	Chromium	Iron	Lead	Manganese	Mercury	Nickel	Selenium	Uranium	Vanadium
				CAS	7440-38-2	7440-39-3	7440-42-8	7440-43-9	7440-48-4	7440-47-3	7439-89-6	7439-92-1	7439-96-5	7439-97-6	7440-02-0	7782-49-2	7440-61-1	7440-62-2
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	0.0100	2.00	0.750	0.00500	0.0500	0.0500	1.00	0.0150	0.200	0.00200	0.200	0.0500	0.0300	0.0631
				CGWSL Source	WQCC HH	WQCC HH	WQCClrr	WQCClrr	WQCC HH	WQCC HH	WQCC Dom	WQCC HH	WQCC Dom	WQCC HH	WQCClrr	WQCC HH	WQCC HH	NMED TW
Area	**Well ID**	**Date**	**Dup**															
Field East of Refinery	MW-126B	Apr-22			0.00399	0.0108				<0.00124	0.135	<0.000849	0.0613			0.00271		
	MW-126B	Oct-22			0.00404	0.00883				<0.00124	<0.0281	<0.000849	0.0527			0.00307		
	MW-126B	Mar-23			0.00393	0.00866				<0.00124	<0.0281	<0.000849	0.0504			0.00254		
	MW-126B	Oct-23			0.00371	0.00887				<0.00124	<0.0281	<0.000849	0.0425			0.00283		
	MW-126B	Apr-24			0.00391	0.00979				<0.00124	<0.0281	<0.000849	0.0343			0.00324		
	MW-126B	Oct-24			0.00412	0.00927				<0.00124	<0.0281	<0.000849	0.0380			0.00317		
	MW-127	Oct-17			**0.0114**	0.212				0.00109 J	**1.39**	0.000965 J	0.135			<0.000380		
	MW-127	Apr-18			0.00381	0.0682				0.00370 B	0.144 B	<0.000240	0.106			<0.000380		
	MW-127	Oct-18			0.00439	0.0589				<0.00108	0.0981 J	<0.000480	0.121			<0.000760		
	MW-127	Apr-19			0.00451	0.0960				0.000909 JB	0.0634 J	0.000461 JB	0.113			<0.000380		
	MW-128	Oct-17			**0.0554**	0.0610				0.000618 J	**3.07**	0.000404 J	**2.09**			0.00122 J		
	MW-128	Apr-18			**0.0566**	0.0728				0.00278	**4.19**	0.00257 B	**2.04**			0.000436 JB		
	MW-128	Oct-18			**0.0447**	0.0604				<0.000540	**2.40**	0.000261 J	**1.78** O1V			<0.000380		
	MW-128	Apr-19			**0.0546**	0.0910				0.00303 B	**4.19**	0.00535	**2.01**			0.000397 J		
	MW-129	Apr-15			**0.0338**	0.498				0.00227	**6.42**	0.00277	**1.21**			<0.000380		
	MW-129	Oct-15			**0.0271**	0.546				<0.000540	**5.07**	0.000292 J	**1.09**			<0.000380		
	MW-129	Apr-17			**0.0226**	0.627				<0.000540	**5.10**	<0.000240	**0.987**			<0.000380		
	MW-129	Apr-18			**0.0252**	0.516				<0.000540	**5.42**	<0.000240	**1.01**			<0.000380		
	MW-130	Apr-22			0.00390	0.0209				0.00179 J	0.712	0.00252	0.106			0.00315		
	MW-130	Oct-22			0.00405	0.0272				0.00324	**1.74**	0.00241	0.111			0.00242		
	MW-130	Mar-23			0.00397	0.0232				0.00449	**1.70**	0.00482	0.113			0.00268		
	MW-130	Oct-23			0.00360	0.0172				0.00130 J	0.245 B	0.00151 J	0.0944			0.00181 J		
	MW-130	Apr-24			0.00345	0.0161				<0.00124	0.137	0.000914 J	0.0934			0.00197 J		
	MW-130	Oct-24			0.00367	0.0172				0.00230 B	0.434	0.00235	0.0962			0.00179 J		
	MW-131	Apr-17			**0.0214**	**2.75**				<0.000540	**1.29**	<0.000240	**0.294**			<0.000380		
	MW-131	Oct-17			**0.0223**	1.98				<0.000540	**1.56**	<0.000240	**0.283**			<0.000380		
	MW-131	Oct-19			**0.0261**	1.65				<0.000540	**1.55**	0.000845 JB	**0.293**			<0.000380		
	MW-131	Jun-20			**0.0241**	**2.39**				<0.00149	**1.35**	<0.00249	**0.294**			<0.000657		
	MW-133	Nov-14			**0.0190**	0.130				0.000600 J	**3.50**	0.000800 J	**0.380**			<0.000380		
	MW-133	Apr-15			0.00897	0.157				<0.000540	**5.53**	0.00145 J	**0.312**			0.00124 J		
	MW-134	Apr-22			0.00350	0.00866				<0.00124	0.0424 J	<0.000849	0.00706			0.00416		
	MW-134	Apr-22	FD		0.00334	0.00859				0.00192 J	0.0328 J	<0.000849	0.00566			0.00441		
	MW-134	Oct-22			0.00961	0.0104				0.00144 J	0.542	<0.000849	0.0910			0.00478		
	MW-134	Oct-22	FD		0.00898	0.0103				0.00191 J	0.500	<0.000849	0.0927			0.00464		
	MW-134	Mar-23			0.00479	0.00990				<0.00124	0.0988 J	<0.000849	0.191			0.00384		
	MW-134	Mar-23	FD		0.00473	0.00914				<0.00124	0.0867 J	<0.000849	0.176			0.00369		
	MW-134	Oct-23			0.00532	0.00989	**0.776**	<0.000150	0.00108 J	<0.00124	0.195	<0.000849	0.111	<0.000100	0.00317	0.00362	**0.0383**	0.0152
	MW-134	Oct-23	FD		0.00620	0.0105				<0.00124	0.237	<0.000849	0.114			0.00428		
	MW-134	Apr-24			0.00798	0.00877	0.718	<0.000150	0.000115 J	0.00136 J	0.401	<0.000849	0.00976	<0.000100	0.00224	0.00424	**0.0372**	0.0200
	MW-134	Apr-24	FD		**0.0127**	0.00848	0.717	<0.000150	0.000118 J	<0.00124	0.782	<0.000849	0.0113	<0.000100	0.00185 J	0.00512	**0.0431**	0.0253
	MW-134	Oct-24			**0.0102**	0.00983	0.692	<0.000150	0.000126 J	0.00159 JB	0.546	<0.000849	0.0143	<0.0000700	0.00248	0.00440	**0.0428**	0.0242
	MW-134	Oct-24	FD		0.00873	0.00928	0.724	0.000155 J	0.000259 J	<0.00124	0.424 B	<0.000849	0.0134 B	<0.0000700	0.00235 B	0.00444	**0.0415**	0.0227
	MW-135	Apr-22			0.00294	0.0176				<0.00124	0.208	<0.000849	0.0131			0.0221		
	MW-135	Oct-22			0.00324	0.00895				<0.00124	0.0470 J	<0.000849	0.00340 J			0.0224		
	MW-135	Mar-23			0.00341	0.0129				<0.00124	0.219	<0.000849	0.0140			0.0226		
	MW-135	Oct-23			0.00328	0.00892				<0.00124	0.117	<0.000849	0.0177			0.0229		
	MW-135	Apr-24			0.00329	0.00981				<0.00124	0.196	<0.000849	0.0281			0.0176		
	MW-135	Oct-24			0.00278	0.00768				<0.00124	0.0750 J	<0.000849	0.00930			0.0111		
	MW-145	Apr-22			0.00448	0.0217				0.00210	0.765	0.000995 J	0.0395			0.00271		
	MW-145	Oct-22			0.00371	0.00879				<0.00124	0.0285 J	<0.000849	0.0261			0.00239		
	MW-145	Mar-23			0.00376	0.00899				<0.00124	<0.0281	<0.000849	0.0268			0.00297		
	MW-145	Oct-23			0.00362	0.00918				<0.00124	0.0333 J	<0.000849	0.0286			0.00216		
	MW-145	Apr-24			0.00368	0.00894				<0.00124	<0.0281	<0.000849	0.0283			0.00231		
	MW-145	Oct-24			0.00336	0.0101				<0.00124	0.0627 J	<0.000849	0.0295			0.00189 J		
	MW-146	Apr-22			0.00407	0.00863				0.00181 J	0.0430 J	<0.000849	0.00195 J			0.00591		
	MW-146	Apr-22	FD		0.00407	0.0102				<0.00124	0.0764 J	<0.000849	0.00329 J			0.00699		
	MW-146	Oct-22			0.00438	0.00856				<0.00124	<0.0281	<0.000849	<0.000704			0.0107		
	MW-146	Oct-22	FD		0.00426	0.00800				<0.00124	<0.0281	<0.000849	<0.000704			0.0104		
	MW-146	Mar-23			0.00438	0.00846				<0.00124	<0.0281	<0.000849	0.00109 JB			0.00675		
	MW-146	Mar-23	FD		0.00449	0.00873				<0.00124	<0.0281	<0.000849	<0.000704			0.00639		
	MW-146	Oct-23			0.00426	0.00885				<0.00124	<0.0281	<0.000849	<0.000704			0.00821		
	MW-146	Oct-23	FD		0.00428	0.00870				<0.00124	<0.0281	<0.000849	<0.000704			0.00786		
	MW-146	Apr-24			0.00469	0.00859				<0.00124	<0.0281	<0.000849	<0.000704			0.00516		
	MW-146	Apr-24	FD		0.00455	0.00897				<0.00124	<0.0281	<0.000849	<0.000704			0.00470		
	MW-146	Oct-24			0.00399	0.00884				<0.00124	<0.0281	<0.000849	0.000855 J			0.00520		
	MW-146	Oct-24	FD		0.00396	0.00812				<0.00124	<0.0281	<0.000849	0.000929 J			0.00521		
	MW-147	Apr-22			0.00286	0.0577				<0.00124	0.571	0.00417	0.0482			0.0177		
	MW-147	Oct-22			0.00307	0.00746				<0.00124	0.0731 J	0.00130 J	0.00866			0.0229		
	MW-147	Mar-23			0.00314	0.0210				<0.00124	0.289	0.00410	0.0334			0.0171		
	MW-147	Oct-23			0.00300	0.00772				<0.00124	0.0527 J	<0.000849	0.00808			0.0159		
	MW-147	Apr-24			0.00284	0.00838				0.00292	0.0975 J	0.00137 J	0.0164			0.0132		
	MW-147	Oct-24			0.00244	0.00996				<0.00124	0.204	0.00205	0.0499			0.0109		
	MW-148	Apr-22			0.00302	0.0844				0.00281	**2.10**	0.00392	**0.400**			0.0101		
	MW-148	Oct-22			0.00279	0.00989				0.00126 J	0.0903 J	0.00392	0.0253			0.00933		
	MW-148	Mar-23			0.00315	0.0113				<0.00124	0.0603 J	0.00138 J	0.0122			0.0127		
	MW-148	Oct-23			0.00282	0.00996				<0.00124	0.0554 J	0.00151 J	0.0107			0.0111		
	MW-148	Apr-24			0.00271	0.00860				<0.00124	<0.0281	0.00155 J	0.00202 J			0.0109		
	MW-148	Oct-24			0.00237	0.00900				<0.00124	<0.0281	<0.000849	0.00526			0.00850		
	MW-151	Oct-24																
	MW-160	Oct-24																
	MW-161	Oct-24																
	RA-4196	Oct-19																
	RA-4196	Jun-20																
	RA-4196	Oct-20																
	RA-4196	Mar-23																
	RA-4196R	Oct-23																
	RA-4196R	Apr-24																
	RA-4196R	Oct-24																
	RA-4798	Oct-20																
	RA-4798	Apr-21																
	RA-4798	Sep-21																
	RA-4798	Apr-22																
	RW-12R	Apr-17			0.000503 J	0.0409				0.0359	0.241	0.00193 J	**0.398**			<0.000380		
	RW-12R	Apr-18			0.000291 J	0.0387				0.00973	0.0459 J	0.00104 J	**0.718**			0.000554 J		
	RW-12R	Apr-19			0.00109 J	0.0354				0.00771 B	0.0800 J	0.00177 JB	**1.28**			0.000508 J		
	RW-12R	Jun-20			<0.000735	0.0342				**0.0557**	0.150	<0.00249	**1.39**			<0.000657		
	RW-13R	Apr-18			0.000839 J	0.0475				0.00357	0.349	0.000602 J	**0.985**			0.00161 J		
	RW-13R	Mar-23			0.00125 J	0.187				0.00199 J	0.0484 J	0.00318	**0.841**			<0.000300		
	RW-18A	Apr-18			0.00278	0.0105				<0.000540	<0.0150	<0.000240	0.00299 J			0.00321		
	RW-18A	Apr-19			0.00293	0.0117				0.00130 JB	0.0191 J	0.000246 JB	0.000480 J			0.00449		
	RW-18A	Jun-20			0.00451	0.0243				0.00223	**3.06**	0.00276 J	0.0307			0.00475		
	RW-18A	Mar-23			0.00354	0.0172	0.700	<0.000150	0.000357 J	<0.00124	0.675	<0.000849	0.00817 B	<0.000100	0.00138 J	0.00684	**0.0595**	0.0256
	RW-20	Apr-15			0.00375 J	0.527				<0.00270	**1.75**	0.00354 J	**0.872**			<0.00190		
	RW-22	Apr-15			0.00248	0.816				0.00320	0.140	0.00397	**0.845**			0.00234		

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Appendix B, Table B.2 - Summary of Groundwater Analytical Data - Total Metals

2024 Annual Groundwater Monitoring Report

HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Total Metals													
				Analyte	Arsenic	Barium	Boron	Cadmium	Cobalt	Chromium	Iron	Lead	Manganese	Mercury	Nickel	Selenium	Uranium	Vanadium
				CAS	7440-38-2	7440-39-3	7440-42-8	7440-43-9	7440-48-4	7440-47-3	7439-89-6	7439-92-1	7439-96-5	7439-97-6	7440-02-0	7782-49-2	7440-61-1	7440-62-2
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	0.0100	2.00	0.750	0.00500	0.0500	0.0500	1.00	0.0150	0.200	0.00200	0.200	0.0500	0.0300	0.0631
				CGWSL Source	WQCC HH	WQCC HH	WQCClrr	WQCClrr	WQCC HH	WQCC HH	WQCC Dom	WQCC HH	WQCC Dom	WQCC HH	WQCClrr	WQCC HH	WQCC HH	NMED TW
Area	**Well ID**	**Date**	**Dup**															
NCL	MW-18	Apr-21		0.00283	0.0126 J	**2.29**	<0.000150	0.000160 J	<0.00124	<0.0281	<0.000849	0.0190	<0.000100	0.00226	0.00494	**0.0484**	0.0189
	MW-18	Apr-22		0.00279	0.0125	**2.17**	<0.000150	<0.0000596	<0.00124	<0.0281	<0.000849	0.0200	<0.000100	<0.000816	0.00480	**0.0460**	0.0185
	MW-18	Mar-23		0.00298	0.0137	**1.91**	<0.000150	0.0000634 J	0.00139 J	<0.0281	<0.000849	0.00419 J	<0.000100	0.00144 J	0.00506	**0.0419**	0.0181
	MW-18	Apr-24		0.00288	0.0142	**1.48**	<0.000150	0.0000912 J	<0.00124	<0.0281	<0.000849	0.0232	<0.000100	0.00208	0.00521	**0.0434**	0.0185
	MW-45	Apr-22		0.00394	0.0135	0.568	<0.000150	0.000186 J	<0.00124	**1.08**	0.00168 J	**0.639**	<0.000100	0.00549	0.000481 J	0.000763 J	0.00116 J
	MW-45	Oct-22		0.00693	0.0154	0.642	<0.000150	0.0000902 J	0.00136 J	**3.87**	0.00706	**0.633**	<0.000100	0.00565	<0.000300	0.000467 J	0.00119 J
	MW-45	Mar-23		0.00678	0.0137	0.594	<0.000150	0.000160 J	0.00733 B	**4.39**	0.00500	**0.612**	<0.000100	0.00743	0.000698 J	0.000526 J	0.00146 J
	MW-45	Oct-23		0.00739	0.0147	0.681	<0.000150	0.000460 J	<0.00124	**1.68**	0.00447	**0.632**	<0.000100	0.00528	0.000327 J	0.000530 J	0.000996 J
	MW-45	Apr-24		0.00622	0.0156	0.550	<0.000150	0.000423 J	<0.00124	**1.32**	0.00143 J	**0.619**	<0.000100	0.00985	0.000329 J	0.000667 J	0.00109 J
	MW-45	Oct-24		0.00776	0.0141	0.591	<0.000150	0.000127 J	<0.00124	**3.70**	<0.000849	**0.636**	<0.0000700	0.00575	0.000609 J	0.000826 J	0.000824 J
	MW-53	Apr-15		0.00179 J	0.0256				<0.000540	0.0338 J	0.000252 J	**1.20**			0.00566		
	MW-53	Apr-17		0.00166 J	0.0201				<0.000540	<0.0150	<0.000240	**1.60**			0.00281		
	MW-53	Apr-18		0.00259	0.0423				0.000742 JJ3J4	0.0922 J	0.000794 J	**2.34**			0.000729 J		
	MW-53	Apr-19		0.00161 J	0.0190				<0.000540	0.0333 J	0.000346 J	**0.799**			<0.000380		
	MW-53R	Apr-21		0.00191 J	0.0278				<0.00124	0.135 B	<0.000849	**0.663**			<0.000300		
	MW-53R	Apr-22		0.00227	0.0200				<0.00124	0.0446 J	<0.000849	**0.701**			0.00560		
	MW-53R	Mar-23		0.00165 J	0.0179				<0.00124	0.0304 J	<0.000849	**0.411**			<0.000300		
	MW-53R	Apr-24		0.00157 J	0.0180				<0.00124	<0.0281	<0.000849	**0.456**			0.000557 J		
	MW-54A	Apr-22		0.00451	0.0152				<0.00124	0.0730 J	<0.000849	**0.777**			0.000497 J		
	MW-54A	Oct-22		0.00465	0.0175				<0.00124	0.125	<0.000849	**0.760**			0.00877		
	MW-54A	Mar-23		0.00303	0.0170				<0.00124	<0.0281	<0.000849	**0.561**			0.000746 J		
	MW-54A	Oct-23		0.00324	0.0175				<0.00124	<0.0281	<0.000849	**0.940**			<0.000300		
	MW-54A	Apr-24		0.00454	0.0175				<0.00124	0.102	<0.000849	**1.03**			0.000370 J		
	MW-54A	Oct-24		0.00343	0.0167				<0.00124	0.0721 J	<0.000849	**1.19**			0.000444 J		
	MW-54B	Apr-17		0.00181 J	0.0158				<0.000540	<0.0150	<0.000240	**0.253**			0.000720 J		
	MW-54B	Apr-19		0.00251	0.0161				<0.000540	0.116	0.000628 J	0.197			0.000402 J		
	MW-54B	Apr-21		0.00222	0.0193 J				<0.00124	0.977	<0.000849	**0.582**			<0.000300		
	MW-54B	Mar-23		0.00220	0.0239				<0.00124	<0.0281	<0.000849	**1.16**			0.00117 J		
	MW-55	Apr-22		0.00633	0.0151	0.550	<0.000150	0.000316 J	<0.00124	<0.0281	<0.000849	**0.211**	<0.000100	0.00383	0.00131 J	0.0201	0.0174
	MW-55	Oct-22		0.00550	0.0153	0.449	<0.000150	0.00341	<0.00124	<0.0281	<0.000849	**0.350**	0.000113 J	0.00967	0.0130	0.0215	0.0140
	MW-55	Mar-23		0.00642	0.0152	0.586	<0.000150	0.000325 J	0.00135 J	<0.0281	<0.000849	**0.212**	<0.000100	0.00636	0.00160 J	0.0211	0.0179
	MW-55	Oct-23		0.00626	0.0158	0.635	<0.000150	0.000458 J	<0.00124	<0.0281	<0.000849	**0.255**	<0.000100	0.00566	0.00125 J	0.0209	0.0174
	MW-55	Apr-24		0.00575	0.0157	0.590	<0.000150	0.000703 J	<0.00124	0.168	<0.000849	**0.245**	<0.000100	0.0134	0.00148 J	0.0207	0.0170
	MW-55	Oct-24		0.00585	0.0160	0.545	<0.000150	0.00154 J	<0.00124	<0.0281	<0.000849	**0.506**	<0.0000700	0.0109	0.00151 J	0.0202	0.0186
	MW-56	Apr-22		0.00501	0.0104				<0.00124	0.0459 J	<0.000849	**0.219**			0.00177 J		
	MW-56	Mar-23		0.00483	0.00934	0.175 J	<0.000150	0.00437	<0.00124	<0.0281	<0.000849	0.164	<0.000100	0.00503	0.00530	0.00803	0.0186
	MW-56	Apr-24		0.00534	0.0105	0.162 J	<0.000150	0.00487	<0.00124	0.0856 J	<0.000849	0.170	<0.000100	0.00796	0.00366	0.00953	0.0197
	MW-56	Oct-24															
	MW-108	Apr-22		0.000526 J	0.0461				<0.00124	0.0411 J	<0.000849	0.0392			<0.000300		
	MW-108	Oct-22		0.000445 J	0.0442				<0.00124	0.700	<0.000849	0.0573			**0.0638**		
	MW-108	Mar-23		0.00179 J	0.0459				0.00188 J	**1.07**	0.00117 J	0.0457			0.000325 J		
	MW-108	Oct-23		0.000413 J	0.0469				0.00179 J	0.203	<0.000849	0.0469			<0.000300		
	MW-108	Apr-24		0.000446 J	0.0448				<0.00124	0.332	<0.000849	0.0565			<0.000300		
	MW-108	Oct-24		0.000456 J	0.0386				0.00177 J	0.590	<0.000849	0.0458			<0.000300		
	NCL-31	Apr-22		**0.0115**	0.0143				<0.00124	0.476	<0.000849	**1.55**			<0.000300		
	NCL-31	Oct-22		**0.0134**	0.0258				<0.00124	0.616	<0.000849	**1.69**			0.00374		
	NCL-31	Mar-23		**0.0110**	0.0206				0.00303	0.552	<0.000849	**1.50**			<0.000300		
	NCL-31	Oct-23		**0.0106**	0.0224				<0.00124	0.453	<0.000849	**1.35**			<0.000300		
	NCL-31	Apr-24		**0.0313**	0.240				0.0165	**1.46**	**0.0534**	**2.59**			0.000465 J		
	NCL-31	Oct-24		**0.0119**	0.0174				<0.00124	0.563	<0.000849	**1.56**			<0.000300		
	NCL-32	Apr-22		0.00232	0.0219				0.00544	0.353	0.00255	**1.33**			0.00239		
	NCL-32	Oct-22		0.00276	0.0199				<0.00124	0.0726 J	<0.000849	**2.00**			0.00501		
	NCL-32	Mar-23		0.00287	0.0210				0.00341	0.304	0.00242	**2.02**			0.00144 J		
	NCL-32	Oct-23		0.00249	0.0164				<0.00124	<0.0281	<0.000849	**1.99**			0.00211		
	NCL-32	Apr-24		0.00269	0.0177				<0.00124	<0.0281	<0.000849	**2.12**			0.00250		
	NCL-32	Oct-24		0.00228	0.0160				<0.00124	<0.0281	<0.000849	**1.96**			0.00204		
	NCL-33	Apr-22		0.00652	0.0224				0.00146 J	**3.76**	<0.000849	0.165			0.00158 J		
	NCL-33	Oct-22		0.00573	0.0202				<0.00124	**2.72**	<0.000849	0.155			0.00809		
	NCL-33	Mar-23		**0.0170**	0.0195				0.00133 J	**10.2**	0.000949 J	0.152			0.00175 J		
	NCL-33	Oct-23		0.00679	0.0181				<0.00124	**2.81**	<0.000849	0.141			0.00121 J		
	NCL-33	Apr-24		0.00918	0.0179				<0.00124	**4.83**	<0.000849	0.139			0.00121 J		
	NCL-33	Oct-24		0.00593	0.0193				<0.00124	**2.56**	<0.000849	0.146			0.00114 J		
	NCL-34A	Oct-18		0.000692 J	0.376				<0.000540	<0.0150	<0.000240	0.0191			0.000423 J		
	NCL-34A	Apr-19		0.000663 JJ6	0.966 V				<0.000540	0.0216 J	<0.000240	0.0158 O1			**0.101** J3J6O1		
	NCL-34A	Oct-19		0.000719 J	0.293				0.000842 JB	0.0403 JB	0.000906 JB	0.0318			0.000403 J		
	NCL-34A	Jun-20		0.000811 J	0.242				<0.00149	<0.0489	<0.00249	0.0416			<0.000657		
	NCL-44	Apr-22		**0.0149**	0.0186				0.00237	0.611	0.00107 J	**0.777**			0.000418 J		
	NCL-44	Oct-22		**0.0155**	0.0179				<0.00124	0.591	<0.000849	**0.770**			0.0205		
	NCL-44	Mar-23		0.00847	0.0169				0.00139 J	0.392	<0.000849	**0.733**			0.000376 J		
	NCL-44	Oct-23		0.00838	0.0165				<0.00124	0.402	<0.000849	**0.793**			<0.000300		
	NCL-44	Apr-24		0.00983	0.0159				<0.00124	0.530	<0.000849	**0.744**			<0.000300		
	NCL-44	Oct-24		0.00973	0.0167				<0.00124	0.537	<0.000849	**0.677**			<0.000300		
	NCL-49	Apr-22		0.00168 J	0.0130				<0.00124	<0.0281	<0.000849	<0.000704			0.0116		
	NCL-49	Apr-22	FD	0.00160 J	0.0123				<0.00124	<0.0281	<0.000849	<0.000704			0.0105		
	NCL-49	Oct-22		0.00159 J	0.0133				<0.00124	<0.0281	<0.000849	<0.000704			0.0125		
	NCL-49	Oct-22	FD	0.00150 J	0.0122				<0.00124	<0.0281	<0.000849	<0.000704			0.0193		
	NCL-49	Mar-23		0.00180 J	0.0140				<0.00124	<0.0281	<0.000849	0.000707 J			0.0140		
	NCL-49	Mar-23	FD	0.00164 J	0.0133				<0.00124	<0.0281	<0.000849	<0.000704			0.0135		
	NCL-49	Oct-23		0.00160 J	0.0134				<0.00124	<0.0281	<0.000849	<0.000704			0.0143		
	NCL-49	Oct-23	FD	0.00161 J	0.0137				<0.00124	<0.0281	<0.000849	<0.000704			0.0155		
	NCL-49	Apr-24		0.00153 J	0.0135				<0.00124	<0.0281	<0.000849	<0.000704			0.0125		
	NCL-49	Apr-24	FD	0.00161 J	0.0145				<0.00124	<0.0281	<0.000849	<0.000704			0.0115		
	NCL-49	Oct-24		0.00154 J	0.0143				<0.00124	<0.0281	<0.000849	<0.000704			0.0104		
	NCL-49	Oct-24	FD	0.00150 J	0.0140				<0.00124	<0.0281	<0.000849	<0.000704			0.0112		
North Refinery	MW-23	Apr-19		0.00499	**9.47**				0.000969 JB	0.0226 J	0.00230	0.0709			0.00135 J		
	MW-23	Oct-19		0.00587	**9.44**				<0.000540	0.0573 J	0.0150	0.0696			0.000501 J		
	MW-23	Jun-20		0.00595	**9.81** V				<0.00149	0.0693 J	0.00484 J	0.0692			<0.000657		
	MW-23	Oct-20		0.00627	**12.3**				<0.00149	0.0501 J	0.00712	0.0769			<0.000657		
	MW-29	Apr-22		**0.0110**	0.0179				<0.00124	0.801	<0.000849	**0.385**			0.00481		
	MW-29	Oct-22		**0.103**	0.0227				<0.00124	**12.9**	0.00265	**1.16**			0.00301		
	MW-29	Mar-23		**0.0370**	0.0177	**0.811**	<0.000150	0.000853 J	<0.00124	**10.9**	<0.000849	**0.767**	<0.000100	0.00721	0.00785	0.00700	0.00767
	MW-29	Oct-23		**0.0218**	0.0228	**0.826**	<0.000150	0.000638 J	<0.00124	**6.05**	<0.000849	**0.487**	<0.000100	0.00953	0.00113 J	0.00246	0.00710
	MW-29	Apr-24		**0.0222**	0.0211	**0.796**	<0.000150	0.00478	<0.00124	**1.67**	<0.000849	**0.303**	<0.000100	0.0161	0.00298	0.00964	0.00722
	MW-39	Apr-19		0.00933	0.0590				<0.000540	0.0175 J	0.000354 J	0.0267			0.000668 J		
	MW-39	Oct-19		0.00690	0.0118				<0.000540	<0.0150	<0.000240	0.0282			<0.000380		
	MW-39	Jun-20		0.00757	0.0145 J				<0.00149	<0.0489	<0.00249	0.0410			<0.000657		
	MW-39	Oct-20		0.00755	0.0130 J				<0.00149	<0.0489	<0.00249	0.0546			<0.000657		
	MW-40	Apr-17		0.000786 J	0.0249				<0.000540	0.0151 J	0.000660 J	0.0241			**0.0704**		
	MW-40	Apr-18		0.000656 J	0.0227				0.000593 JB	0.0289 J	0.000415 J	0.0161			<0.000380		
	MW-40	Apr-19		0.000873 J	0.0234				<0.000540	0.0848 J	0.000467 JB	0.0166			<0.000380		
	MW-40	Jun-20		<0.000735	0.0218				<0.00149	0.181	<0.00249	0.0270			<0.000657		

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Appendix B, Table B.2 - Summary of Groundwater Analytical Data - Total Metals

2024 Annual Groundwater Monitoring Report

HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Total Metals													
				Analyte	Arsenic	Barium	Boron	Cadmium	Cobalt	Chromium	Iron	Lead	Manganese	Mercury	Nickel	Selenium	Uranium	Vanadium
				CAS	7440-38-2	7440-39-3	7440-42-8	7440-43-9	7440-48-4	7440-47-3	7439-89-6	7439-92-1	7439-96-5	7439-97-6	7440-02-0	7782-49-2	7440-61-1	7440-62-2
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	0.0100	2.00	0.750	0.00500	0.0500	0.0500	1.00	0.0150	0.200	0.00200	0.200	0.0500	0.0300	0.0631
				CGWSL Source	WQCC HH	WQCC HH	WQCClrr	WQCClrr	WQCC HH	WQCC HH	WQCC Dom	WQCC HH	WQCC Dom	WQCC HH	WQCClrr	WQCC HH	WQCC HH	NMED TW
Area	**Well ID**	**Date**	**Dup**															
North Refinery	MW-41	Apr-18		0.00729	0.0206				<0.000540	0.0230 J	0.000304 J	**1.03**			0.000470 J		
	MW-41	Apr-19		0.00673	0.0370				<0.000540	0.0802 JB	0.000601 J	**0.570**			0.000498 J		
	MW-41	Jun-20		**0.0107**	0.0183 J				<0.00149	<0.0489	<0.00249	**0.857**			<0.000657		
	MW-41	Apr-21		**0.0240**	0.0205				<0.00124	0.0987 J	<0.000849	**0.758**			0.000626 J		
	MW-42	Apr-19		0.00516	0.0196				0.000790 J	0.0282 JB	0.000332 J	0.120			<0.000380		
	MW-42	Jun-20		0.00520	0.0191 J				<0.00149	0.233	<0.00249	0.144			<0.000657		
	MW-42	Apr-21		0.00948	0.0200				<0.00124	0.715	<0.000849	**0.335**			<0.000300		
	MW-42	Apr-22		0.00733	0.0195				<0.00124	0.116	<0.000849	0.143			0.000333 J		
	MW-43	Apr-19		0.00725	0.449	**1.14**	<0.000160	<0.000260	0.00113 JB	0.0770 J	0.00106 J	0.184	<0.0000490	0.00695	0.00568	<0.000330	0.00197 J
	MW-43	Oct-19		**0.0101**	0.171	**0.964**	<0.000160	<0.000260	0.00120 J	0.285	0.000752 J	**0.361**	0.0000655 JB	0.00654	0.00140 J	0.00403 J	0.0127
	MW-43	Jun-20		0.00612	0.443	**0.781**	<0.000478	<0.000477	<0.00149	0.375	<0.00249	**0.297**	<0.000100	0.00536	<0.000657	<0.00754	0.00385 J
	MW-43	Oct-20		0.00541	0.801	**0.770**	<0.000478	<0.000477	0.00150 J	0.106	<0.00249	**0.252**	<0.000100	0.00410	<0.000657	<0.00754	0.00249 J
	MW-59	Apr-17		**0.0234**	0.0202				<0.000540	0.123	<0.000240	**0.440**			<0.000380		
	MW-59	Apr-18		**0.0240**	0.0236				<0.000540	0.102 B	<0.000240	**0.448**			<0.000380		
	MW-59	Apr-19		**0.0213**	0.0293				0.000709 JB	0.0987 J	0.000432 J	**0.409**			<0.000380		
	MW-59	Jun-20		**0.0360**	0.0184 J				<0.00149	0.0703 J	<0.00249	**0.369**			<0.000657		
	MW-60	Jun-20		0.00590	0.0194 J	0.447	<0.000478	<0.000477	<0.00149	<0.0489	<0.00249	**0.237**	<0.000100	0.00132 J	<0.000657	<0.00754	<0.000986
	MW-60	Jun-20	FD	0.00559	0.0188 J	0.432	<0.000478	<0.000477	<0.00149	<0.0489	<0.00249	**0.229**	<0.000100	0.00121 J	<0.000657	<0.00754	<0.000986
	MW-60	Oct-20		0.00621	0.0203	0.465	<0.000478	<0.000477	<0.00149	<0.0489	<0.00249	**0.227**	<0.000100	0.00161 J	<0.000657	<0.00754	<0.000986
	MW-60	Oct-20	FD	0.00634	0.0193 J	0.461	<0.000478	<0.000477	<0.00149	<0.0489	0.00319 J	**0.222**	<0.000100	0.00110 J	<0.000657	<0.00754	<0.000986
	MW-61	Apr-22		0.00244	0.0532				<0.00124	0.0625 J	0.00376	0.0265			<0.000300		
	MW-61	Oct-22		0.00196 J	0.0521				<0.00124	<0.0281	0.00358	0.0234			<0.000300		
	MW-61	Mar-23		0.00191 J	0.0518				<0.00124	<0.0281	0.00342	0.0293			<0.000300		
	MW-61	Oct-23		0.00182 J	0.0460				<0.00124	0.0342 J	0.00411	0.0282			<0.000300		
	MW-61	Apr-24		0.00154 J	0.0457				<0.00124	0.0449 J	0.00432	0.0317			<0.000300		
	MW-61	Oct-24		0.00156 J	0.0453				<0.00124	0.0695 J	0.00437	0.0189			<0.000300		
	MW-62	Oct-20		**0.0451**	0.0535				<0.00149	<0.0489	<0.00249	0.00657 B			<0.000657		
	MW-62	Sep-21		**0.0901**	0.0578				<0.00124	<0.0281	<0.000849	0.00840			<0.000300		
	MW-62	Apr-22		**0.0504**	0.0827				0.00125 J	0.219	<0.000849	0.00771			0.000378 J		
	MW-62	Oct-22		**0.0825**	0.0635				0.00236	<0.0281	<0.000849	0.0115			0.000484 J		
	MW-62R	Apr-21		**0.0449**	**3.61**				<0.00124	**4.03**	<0.000849	**0.245**			<0.000300		
	MW-62R	Apr-22		**0.0692**	0.611				<0.00124	<0.0281	<0.000849	0.0118			0.000401 J		
	MW-62R	Mar-23		**0.0470**	0.354				<0.00124	<0.0281	<0.000849	0.00666			0.000567 J		
	MW-62R	Apr-24		0.00778	0.959				<0.00124	<0.0281	<0.000849	0.0103			0.000445 J		
	MW-67	Oct-17		**0.0103**	0.0906	0.464	<0.000160	<0.000260	0.000639 J	0.0172 J	0.00112 J	0.0986	<0.0000490	0.000648 J	<0.000380	<0.000330	0.000547 J
	MW-67	Apr-18		**0.0107**	0.120	0.456	<0.000160	<0.000260	0.000927 JJ3J4	0.0743 J	0.00171 J	0.0943	<0.0000490	0.000828 J	0.000518 J	<0.000330	0.000584 J
	MW-67	Oct-18		0.00516	0.0745	0.401	0.000220 JB	<0.000260	0.000568 J	0.0289 J	0.00192 JB	0.126	0.000120 J	0.000595 J	<0.000380	<0.000330	0.000634 J
	MW-67	Apr-19		0.00750	0.0933	0.457	<0.000160	<0.000260	<0.000540	0.0253 J	0.000626 JB	0.0866	<0.0000490	0.000703 J	<0.000380	<0.000330	0.000405 J
	MW-90	Apr-22		0.00603	0.0259				0.00450	0.129	<0.000849	0.0463			0.000543 J		
	MW-90	Oct-22		0.00358	0.0212				<0.00124	0.0355 J	<0.000849	0.0781			**0.0724**		
	MW-90	Mar-23		0.00523	0.0200				<0.00124	<0.0281	<0.000849	0.0630			0.000548 J		
	MW-90	Oct-23		0.00636	0.0188				<0.00124	0.704	<0.000849	0.151			0.000972 J		
	MW-90	Apr-24		0.00544	0.0169				<0.00124	0.0336 J	<0.000849	0.149			0.000513 J		
	MW-90	Oct-24		0.00838	0.0182				<0.00124	0.120	<0.000849	**0.244**			0.00158 J		
	MW-91	Oct-18		0.00772	0.0484				0.000738 J	0.0472 J	0.00440 B	0.00539			0.000542 J		
	MW-91	Apr-19		0.00693	0.0460				<0.000540	0.0388 J	0.00412 B	0.00762			0.00460		
	MW-91	Oct-19		0.00392	0.0552				<0.000540	0.0186 J	0.00475	0.00710 B			0.0214		
	MW-91	Jun-20		0.00524 B	0.0561				<0.00149	0.197	0.00610	0.00381 J			<0.000657		
	MW-93	Apr-17		0.00456	0.0228				0.00367	0.278	0.00116 J	0.0258			0.00683		
	MW-93	Apr-18		0.00706	0.0304				0.00945	0.145 B	0.00152 JB	0.0325			0.00377 B		
	MW-93	Apr-19		0.00456	0.0394				0.00174 JB	0.110	0.00105 J	0.0615			0.0144		
	MW-93	Jun-20		0.00827	0.0351				0.00257	0.181	<0.00249	**0.208**			0.00412		
	MW-94	Nov-14		**0.0170**	0.780				0.00140	0.0810 J	<0.000240	0.00650			0.00120 J		
	MW-94	Oct-15		**0.0215**	1.57				0.00144 J	<0.0150	<0.000240	0.00194 J			0.000935 J		
	MW-94	Apr-17		**0.0170**	0.873				0.00141 J	0.134	0.000298 J	0.00382 J			0.00304		
	MW-95	Apr-17		0.00173 J	0.0612				<0.000540	<0.0150	<0.000240	0.0330			0.000407 J		
	MW-95	Apr-18		0.00154 J	0.0691				<0.000540	0.0155 J	<0.000240	0.0556			<0.000380		
	MW-95	Apr-19		0.00141 J	0.0597				<0.000540	<0.0150	0.000528 JB	0.0904			<0.000380		
	MW-95	Jun-20		0.00135 JB	0.0431				<0.00149	0.0879 J	<0.00249	0.156			<0.000657		
	MW-96	Apr-22		0.00198 J	0.289				<0.00124	<0.0281	<0.000849	0.00153 J			0.000743 J		
	MW-96	Oct-22		0.00172 J	0.226				<0.00124	0.156	<0.000849	0.000793 J			0.0425		
	MW-96	Mar-23		0.00211	0.322				<0.00124	**1.06**	<0.000849	0.00301 J			0.000591 J		
	MW-96	Oct-23		0.00176 J	0.242				<0.00124	<0.0281	<0.000849	0.00221 J			0.000464 J		
	MW-96	Apr-24		0.00159 J	0.178				<0.00124	0.104	<0.000849	<0.000704			0.000478 J		
	MW-96	Oct-24		0.00150 J	0.112				<0.00124	0.0793 J	<0.000849	0.0119			<0.000300		
	MW-98	Apr-22		0.00131 J	0.0162				<0.00124	<0.0281	0.00563	0.0149			<0.000300		
	MW-98	Oct-22		0.00132 J	0.0172				<0.00124	<0.0281	0.00659	0.0165			<0.000300		
	MW-98	Mar-23		0.000781 J	0.0148				<0.00124	<0.0281	0.00570	0.0126			0.0272		
	MW-98	Oct-23		0.000878 J	0.0169				<0.00124	<0.0281	0.00551	0.0148			0.000369 J		
	MW-98	Apr-24		0.000551 J	0.0159				<0.00124	<0.0281	0.00479	0.0105			<0.000300		
	MW-98	Oct-24		0.000774 J	0.0162				<0.00124	<0.0281	0.00382	0.0100			<0.000300		
	MW-137	Oct-17		**0.0156**	0.0756	**1.03**	<0.000160	<0.000260	0.00109 J	0.260	0.00338	**0.209**	<0.0000490	0.0198	0.0393	<0.000330	0.00771
	MW-137	Apr-18		**0.0512**	0.0711	**0.997**	<0.000160	<0.000260	0.00132 J	0.0740 JB	0.00433	0.154	<0.0000490	0.0134	0.00240 B	<0.000330	0.00718
	MW-137	Oct-18		**0.0129**	0.0942	**0.989**	<0.000160	<0.000260	0.000586 J	0.0553 J	0.00318	0.183	<0.0000490	0.0126	**0.341**	<0.000330	0.00844
	MW-137	Apr-19		**0.0285**	0.103	**1.02**	<0.000160	<0.000260	0.000596 JB	0.0240 J	0.00268	0.157	<0.0000490	0.0133	0.00601	<0.000330	0.00838
	MW-138	Oct-17		0.00507	0.103	**1.11**	<0.000160	<0.000260	0.000747 J	0.0334 J	0.000271 J	0.0931	<0.0000490	0.00619	0.00945	<0.000330	0.00195 J
	MW-138	Apr-18		0.00514	0.124	**0.984**	<0.000160	<0.000260	0.000785 J	0.160 B	<0.000240	0.103	<0.0000490	0.00977	0.000667 JB	<0.000330	0.00169 J
	MW-138	Oct-18		0.00464	0.108	**0.927**	<0.000160	<0.000260	<0.000540	0.0235 J	0.000249 J	0.111	<0.0000490	0.00490	**0.0973**	<0.000330	0.00120 J
	MW-138	Apr-19		0.00560	0.141	**0.951**	<0.000160	<0.000260	0.000855 JB	0.0228 J	0.000353 J	0.128	<0.0000490	0.00504	0.00102 J	<0.000330	0.00121 J
	MW-157	Oct-24															
	RW-1	Apr-15		0.00607	0.0305				0.00290	0.216	0.000495 J	0.126			0.00302 J		
	RW-1	Apr-17		**0.0359**	0.0243				0.00254	**4.88**	0.00492	**0.240**			0.00573 B		
	RW-1	Apr-18		**0.0204**	0.0328				0.000826 JJ3J4	**1.50**	0.00156 J	0.0237			0.00213		
	RW-1	Apr-19		**0.0172**	0.0357				0.00100 JB	**1.14**	0.00100 JB	0.0173			0.00211		
	RW-2	Apr-15		**0.0264**	0.0245 J				0.00553 J	0.381 J	0.00233 J	**0.313**			**0.0705**		
	RW-2	Apr-17		0.00504	0.0566				0.00173 J	0.264	0.000960 J	0.0161			0.0100		
	RW-2	Apr-18		0.00374	0.139				0.00362	0.123 B	0.00163 JB	0.0215			0.00128 JB		
	RW-2	Mar-23		**0.0200**	0.0845				0.00205	0.294	0.000897 J	**0.866**			0.00162 J		
	RW-7	Apr-17		0.00332	0.0198				<0.000540	0.183	<0.000240	**1.13**			<0.000380		
	RW-7	Apr-18		**0.0174**	0.144				0.00434 B	**2.92**	0.000599 J	0.106			<0.000380		
	RW-7	Apr-19		**0.0246**	0.122				0.00234 B	**7.78**	0.000979 JB	0.173			0.000381 J		
	RW-7	Jun-20		0.00738	0.176				<0.00149	**2.57**	<0.00249	0.108			<0.000657		
	RW-8	Apr-15		0.00556 J	0.0889				<0.00270	0.427 J	<0.00120	0.0556			0.00200 J		
	RW-8	Apr-17		**0.0343**	0.0593				0.00135 J	**9.50**	0.00169 J	**1.12**			<0.000380		
	RW-9	Apr-21		0.00432	0.0373				<0.00124	<0.0281	<0.000849	**0.320**			0.000308 J		
	RW-9	Apr-22		0.00503	0.0327				0.00174 J	0.0498 J	<0.000849	**0.318**			<0.000300		
	RW-9	Mar-23		0.00504	0.0316				<0.00124	<0.0281	<0.000849	**0.295**			0.0232		
	RW-9	Apr-24		0.00541	0.0408				<0.00124	<0.0281	<0.000849	**0.263**			0.000334 J		

Appendix B, Table B.2 - Summary of Groundwater Analytical Data - Total Metals

2024 Annual Groundwater Monitoring Report

HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Total Metals													
				Analyte	Arsenic	Barium	Boron	Cadmium	Cobalt	Chromium	Iron	Lead	Manganese	Mercury	Nickel	Selenium	Uranium	Vanadium
				CAS	7440-38-2	7440-39-3	7440-42-8	7440-43-9	7440-48-4	7440-47-3	7439-89-6	7439-92-1	7439-96-5	7439-97-6	7440-02-0	7782-49-2	7440-61-1	7440-62-2
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	0.0100	2.00	0.750	0.00500	0.0500	0.0500	1.00	0.0150	0.200	0.00200	0.200	0.0500	0.0300	0.0631
				CGWSL Source	WQCC HH	WQCC HH	WQCClrr	WQCClrr	WQCC HH	WQCC HH	WQCC Dom	WQCC HH	WQCC Dom	WQCC HH	WQCClrr	WQCC HH	WQCC HH	NMED TW
Area	**Well ID**	**Date**	**Dup**															
North Refinery	RW-10	Apr-18		0.00234	0.0224				<0.000540	<0.0150	0.000469 J	0.189			<0.000380			
	RW-10	Apr-19		0.00158 J	0.0207				<0.000540	<0.0150	<0.000240	0.199			0.000555 J			
	RW-10	Jun-20		0.00405	0.0187 J				0.00188 J	<0.0489	<0.00249	0.182			<0.000657			
	RW-10	Apr-21		0.00573	0.0209				<0.00124	0.0380 J	<0.000849	0.157			0.000422 J			
	RW-16B	Apr-18		0.00922	0.0130				0.000754 JB	0.0239 J	0.000343 J	**0.201**			0.00643			
	RW-16B	Apr-19		**0.0135**	0.0158				<0.000540	0.0160 JB	0.000494 J	**0.508**			0.00933			
	RW-16B	Jun-20		**0.0267**	0.0591				0.00287	**1.10**	0.00385 J	0.0348			**0.0922**			
	RW-16B	Mar-23		**0.0253**	0.0303				<0.00124	0.144	0.00217	**0.774**			0.00912			
	RW-17A	Apr-18		**0.0106**	0.0232				<0.000540 J3J4	0.0346 J	0.00975	**0.767**			0.00322			
	RW-17A	Apr-19		**0.0151**	0.0205				0.000799 J	0.140	0.0138	**0.751**			0.000700 J			
	RW-17A	Jun-20		**0.0163**	0.0206				0.00178 J	0.232	0.0104	0.105			0.0154			
	RW-17A	Mar-23		0.00844	0.0224				<0.00124	0.0889 J	0.0120	**2.08** O1V			0.00442			
North RO Field	MW-117	Apr-22		0.00285	0.00960				<0.00124	<0.0281	<0.000849	0.00412 J			0.00714			
	MW-117	Oct-22		0.00265	0.00999				<0.00124	0.0455 J	<0.000849	0.00419 J			0.00371			
	MW-117	Mar-23		0.00290	0.00984	0.333 B	<0.000150		0.000883 J	0.00156 JB	0.0535 J	<0.000849	0.00446 J	<0.000100 J6	0.00397	0.00448	0.0109	0.0149
	MW-117	Oct-23		0.00289	0.0101	0.421	<0.000150		0.00109 J	<0.00124	<0.0281	<0.000849	0.00652	<0.000100	0.00367	0.00472	0.0115	0.0150
	MW-117	Apr-24		0.00294	0.0117	0.407	<0.000150		0.00145 J	<0.00124	0.0554 J	<0.000849	0.0105	<0.000100	0.00345	0.00421	0.0125	0.0152
	MW-117	Oct-24		0.00318	0.0121	0.434	<0.000150		0.00176 J	<0.00124	0.136	<0.000849	0.0126	<0.0000700	0.00403	0.00268	0.0122	0.0158
	MW-118	Apr-22		0.00634	0.0121					0.00321	0.117	<0.000849	0.00124 J			0.0143		
	MW-118	Oct-22		0.00621	0.0104					<0.00124	0.0611 J	<0.000849	0.00142 J			0.0162		
	MW-118	Mar-23		0.00603	0.0131	0.656	<0.000150		0.000241 J	0.00231 B	0.0684 J	<0.000849	0.0535	<0.000100	0.00297	0.0106	**0.0490**	0.0298
	MW-118	Oct-23		0.00587	0.0115	**0.776**	<0.000150		0.000290 J	<0.00124	0.121	<0.000849	0.0145	<0.000100	0.00220	0.0162	**0.0526**	0.0328
	MW-118	Apr-24		0.00616	0.0127	0.721	<0.000150		0.000415 J	<0.00124	0.901	<0.000849	0.0105	<0.000100	0.0404	0.0166	**0.0494**	0.0353
	MW-118	Oct-24		0.00647	0.0166	**0.757**	<0.000150		0.00195 J	0.00365	**1.18**	0.00167 J	0.0789	<0.0000700	0.00294	0.0165	**0.0513**	0.0374
	MW-119	Apr-22		0.00442	0.0137					<0.00124	0.206	<0.000849	0.0144			0.00467		
	MW-119	Oct-22		0.00414	0.00941					<0.00124	0.0524 J	<0.000849	0.00497 J			0.00554		
	MW-119	Mar-23		0.00429	0.0107	0.525	<0.000150		0.0000919 J	0.00135 JB	0.0917 J	<0.000849	0.00669	<0.000100	0.00133 J	0.00504	**0.0471**	0.0179
	MW-119	Oct-23		0.00390	0.00898	0.536	<0.000150		0.0000829 J	<0.00124	<0.0281	<0.000849	0.0128	<0.000100	0.00155 J	0.00429	**0.0473**	0.0181
	MW-119	Apr-24		0.00403	0.0107	0.497	<0.000150		0.000678 J	<0.00124	0.102	<0.000849	0.0102	<0.000100	0.00129 J	0.00490	**0.0451**	0.0184
	MW-119	Oct-24		0.00420	0.0101	0.491	<0.000150		0.000145 J	<0.00124	0.0343 J	<0.000849	0.00602	<0.0000700	0.00138 J	0.00430	**0.0468**	0.0195
	MW-140	Mar-23		0.00358	0.0118	0.524	<0.000150		0.000187 J	<0.00124	<0.0281	<0.000849	0.0479	<0.000100	0.00435	0.00541	**0.0357**	0.0148
	MW-140	Oct-23		0.00327	0.0130	0.663	<0.000150		0.000194 J	<0.00124	<0.0281	<0.000849	0.0290	<0.000100	0.00192 J	0.00634	**0.0389**	0.0146
	MW-140	Apr-24		0.00302	0.0108	0.576	<0.000150		0.000239 J	<0.00124	<0.0281	<0.000849	0.0381	<0.000100	0.00174 J	0.00574	**0.0301**	0.0131
	MW-140	Oct-24		0.00315	0.0130	0.618	<0.000150		0.000279 J	<0.00124	0.0780 JB	<0.000849	0.0676	<0.0000700	0.00212	0.00654	**0.0393**	0.0136
	MW-141	Mar-23		0.00219	0.0112	0.203 B	<0.000150		0.000386 J	<0.00124	0.0496 JB	<0.000849	0.00765	0.000129 J	0.00123 J	0.00368	0.0224	0.0127
	MW-141	Oct-23		0.00201	0.0104	0.233	<0.000150		0.000342 J	<0.00124	<0.0281	<0.000849	0.00785	<0.000100	0.00107 J	0.00300	0.0233	0.0117
	MW-141	Apr-24		0.00179 J	0.0103	0.208	<0.000150		0.000322 J	<0.00124	<0.0281	<0.000849	0.00810	<0.000100	0.000863 J	0.00466	0.0192	0.0107
	MW-141	Oct-24		0.00205	0.00996	0.207	<0.000150		0.000321 J	<0.00124	<0.0281	<0.000849	0.00938 B	<0.0000700	0.000983 JB	0.00671	0.0227	0.0121
	MW-142	Mar-23		0.00394	0.00917	0.435 B	<0.000150		0.000264 J	<0.00124	<0.0281	<0.000849	0.0209	<0.000100	0.00306	0.00503	**0.0436**	0.0206
	MW-142	Oct-23		0.00336	0.00871	0.520	<0.000150		0.000204 J	<0.00124	<0.0281	<0.000849	0.0215	<0.000100	0.00274	0.00494	**0.0438**	0.0199
	MW-142	Apr-24		0.00389	0.00975	0.433	<0.000150		0.000737 J	<0.00124	0.0531 J	<0.000849	0.0282	<0.000100	0.00341	0.00527	**0.0468**	0.0215
	MW-142	Oct-24		0.00341	0.00949	0.450	<0.000150		0.000520 J	<0.00124	0.0667 J	<0.000849	0.0263	<0.0000700	0.00437	0.00492	**0.0404**	0.0199
	MW-143	Mar-23		0.00420	0.00810	**0.778**	<0.000150		0.000959 J	<0.00124	0.0332 J	<0.000849	0.0409	<0.000100	0.00675	0.00121 J	**0.0482**	0.0236
	MW-143	Oct-23		0.00328	0.00784	**0.902**	<0.000150		0.000588 J	<0.00124	0.0415 J	<0.000849	0.0371	<0.000100	0.00352	0.00152 J	**0.0471**	0.0187
	MW-143	Apr-24		0.00432	0.00788	**0.789**	<0.000150		0.000965 J	<0.00124	0.0365 J	<0.000849	0.0376	<0.000100	0.00446	0.00116 J	**0.0522**	0.0241
	MW-143	Oct-24		0.00372	0.00795	**0.764**	<0.000150		0.00108 J	<0.00124	0.0374 J	<0.000849	0.0748	<0.0000700	0.00436	0.000734 J	**0.0449**	0.0185
	MW-162	Oct-24																
South Refinery	KWB-2R	Oct-19		0.00126 J	0.290				<0.000540	<0.0150	0.00467	0.171			<0.000380			
	KWB-2R	Mar-23		0.00299	0.0474				0.00223	1.00	0.00990	**0.649**			<0.000300			
	KWB-2R	Oct-23		0.00273	0.0373				<0.00124	0.391	0.00158 J	**0.692**			<0.000300			
	KWB-2R	Apr-24		0.00210	0.0256				<0.00124	0.229	0.00102 J	**0.656**			<0.000300			
	KWB-5	Oct-17		**0.0202**	**5.06**				<0.000540	**2.11**	0.000287 J	**1.64**			<0.000380			
	KWB-5	Apr-18		**0.0201**	**5.09**				<0.000540	**1.21**	0.000758 JB	**1.29**			<0.000380			
	KWB-5	Oct-18		**0.0166**	**3.75**				<0.00270	**2.13**	<0.00120	**1.55**			<0.00190			
	KWB-5	Apr-19		**0.0226**	**3.72**				0.00131 JB	**2.66**	0.00178 JB	**1.50**			<0.000380			
	KWB-6	Apr-17		0.00406	0.152				<0.000540	0.152	0.000533 J	**1.91**			<0.000380			
	KWB-6	Oct-17		0.00898	0.0998				<0.000540	0.250	0.000661 J	**2.15**			<0.000380			
	KWB-6	Apr-18		**0.0251**	0.120				0.00170 J	**4.68**	0.00564	**2.03**			<0.000380			
	KWB-6	Oct-18		0.00813	0.0699				<0.000540	0.149	<0.000240	**1.91**			0.000421 J			
	MW-28	Apr-19		0.00422	0.0660	**1.48**	<0.000160		<0.000260	0.00131 JB	0.0910 J	0.00990	0.0749	<0.0000490	0.00465	<0.000380	<0.000330	0.00270 J
	MW-28	Oct-19		0.00396	0.0522	**1.53**	<0.000160		<0.000260	0.000933 J	0.0502 JB	0.00717	0.0261	0.0000582 JB	0.00275	0.00329	<0.000330	0.00228 J
	MW-28	Jun-20		0.00705	0.0449	**1.32**	<0.000478		0.000802 J	<0.00149	0.122	0.0117	**0.708**	<0.000100 J6	0.00624	<0.000657	<0.00754	0.00364 J
	MW-28	Oct-20		0.00538	0.0371	**1.32**	<0.000478		<0.000477	<0.00149	0.0940 J	0.00540	**0.389**	<0.000100	0.00504	<0.000657	<0.00754	0.00375 JB
	MW-48	Apr-18		0.00554	1.82					<0.000540	0.105	0.00142 J	0.136			**0.247**		
	MW-48	Oct-18		0.00561	1.13 V					0.00119 J	0.231	0.00268	**0.347**			0.00132 J		
	MW-48	Apr-19		0.00395	1.04					0.000613 JB	0.195	0.00297	**0.481**			0.0405		
	MW-48	Oct-19		0.00646	1.04					0.00117 J	0.234	0.00232	**0.604**			0.000428 J		
	MW-50	Apr-22		0.00338	0.0112					<0.00124	0.164	<0.000849	**0.473**			0.0132		
	MW-50	Oct-22		0.00373	0.0151					<0.00124	0.126	<0.000849	**0.507**			**0.0551**		
	MW-50	Mar-23		0.00521	0.0122					0.00163 J	0.396	<0.000849	**0.655**			0.0298		
	MW-50	Oct-23		0.00458	0.0148					<0.00124	0.627	<0.000849	**0.663**			0.0203		
	MW-50	Apr-24		0.00495	0.0149					<0.00124	0.379	<0.000849	**0.245**			0.0294		
	MW-50	Oct-24		0.00490	0.0158					<0.00124	0.135	<0.000849	**0.426**			0.00926		
	MW-52	Apr-22		0.00384	0.0113	**0.762**	<0.000150		0.000818 J	<0.00124	<0.0281	<0.000849	0.0673	<0.000100	0.0446	0.00355	0.00937	0.0266
	MW-52	Oct-22		0.00384	0.0126	**0.761**	<0.000150		0.00101 J	<0.00124	0.0543 J	<0.000849	0.0783	<0.000100	0.0436	0.00363	0.0120	0.0247
	MW-52	Mar-23		0.00376	0.0129	**0.805**	<0.000150		0.00100 J	<0.00124	<0.0281	<0.000849	0.0669	<0.000100	0.0357	0.00368	0.0116	0.0258
	MW-52	Oct-23		0.00411	0.0115	**0.857**	<0.000150		0.00103 J	<0.00124	0.0712 JB	<0.000849	0.0679	<0.000100	0.0325	0.00158 J	0.00999	0.0255
	MW-52	Apr-24		0.00317	0.0102	**0.757**	<0.000150		0.000809 J	<0.00124	<0.0281	<0.000849	0.0530	<0.000100	0.0220	0.00132 J	0.00718	0.0222
	MW-52	Oct-24		0.00354	0.0121	0.729	<0.000150		0.000839 J	<0.00124	<0.0281	<0.000849	0.0643	<0.0000700	0.0223	0.00174 J	0.0101	0.0256
	MW-64	Apr-22		**0.0231**	**2.13**					<0.00124	0.0716 J	<0.000849	0.0566			0.000401 J		
	MW-64	Oct-22		**0.0248**	**2.12**					<0.00124	0.0336 J	<0.000849	0.0610			0.000550 J		
	MW-64	Mar-23		**0.0265**	**2.13**					<0.00124	0.0411 J	<0.000849	0.0588			0.000706 J		
	MW-64	Oct-23		**0.0271**	1.96					<0.00124	<0.0281	<0.000849	0.0575			0.000306 J		
	MW-64	Apr-24		**0.0262**	1.94					<0.00124	<0.0281	<0.000849	0.0473			0.000402 J		
	MW-64	Oct-24		**0.0265**	1.97					<0.00124	<0.0281	<0.000849	0.0609			<0.000300		
	MW-65	Oct-19		0.00653	1.58					<0.000540	0.265	0.000311 JB	**0.405**			<0.000380		
	MW-65	Mar-23		**0.0511**	1.37					<0.00124	0.510	0.00224	**0.549**			0.000945 J		
	MW-65	Oct-23		0.00535	1.58					<0.00124	0.941	<0.000849	**0.346**			<0.000300		
	MW-65	Apr-24		0.00624	1.76					<0.00124	0.893	<0.000849	**0.363**			<0.000300		
	MW-66	Oct-19		0.00236	1.44	0.206	<0.000160		<0.000260	0.000717 J	0.426 B	0.00104 JB	**0.283**	0.0000567 JB	0.0131	0.00393	<0.000330	0.00180 J
	MW-66	Jun-20		0.00235	1.99	0.250	<0.000478		<0.000477	<0.00149	0.748	<0.00249	**0.306**	<0.000100	0.00565	<0.000657	<0.00754	<0.000986
	MW-66	Oct-20		0.00267	1.68	0.229	<0.000478		<0.000477	<0.00149	0.704	<0.00249	**0.339**	<0.000100	0.00675	<0.000657	<0.00754	0.00212 JB
	MW-66	Apr-21		0.00481	**2.28**	0.294	0.000184 J		0.00135 J	0.00745	**3.81**	**0.0176**	**0.412**	<0.000100	0.0133	0.000342 J	0.000188 J	0.00606
	MW-99	Oct-18		0.00821	0.452					0.000542 J	0.163	0.000718 J	**0.224**			0.00169 J		
	MW-99	Apr-19		0.00789	0.404					0.00207 B	0.346	0.00319	**0.225**			0.000538 J		
	MW-99	Oct-19		0.00338	0.200					0.00124 J	0.465 B	0.00301	0.193			0.00451		
	MW-99	Jun-20		0.00301	0.209					0.00275	0.168	<0.00249	**0.229**			<0.000657		

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Appendix B, Table B.2 - Summary of Groundwater Analytical Data - Total Metals

2024 Annual Groundwater Monitoring Report

HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Total Metals													
				Analyte	Arsenic	Barium	Boron	Cadmium	Cobalt	Chromium	Iron	Lead	Manganese	Mercury	Nickel	Selenium	Uranium	Vanadium
				CAS	7440-38-2	7440-39-3	7440-42-8	7440-43-9	7440-48-4	7440-47-3	7439-89-6	7439-92-1	7439-96-5	7439-97-6	7440-02-0	7782-49-2	7440-61-1	7440-62-2
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	0.0100	2.00	0.750	0.00500	0.0500	0.0500	1.00	0.0150	0.200	0.00200	0.200	0.0500	0.0300	0.0631
				CGWSL Source	WQCC HH	WQCC HH	WQCClrr	WQCClrr	WQCC HH	WQCC HH	WQCC Dom	WQCC HH	WQCC Dom	WQCC HH	WQCClrr	WQCC HH	WQCC HH	NMED TW
Area	**Well ID**	**Date**	**Dup**															
South Refinery	MW-101	Apr-22			0.00428	0.126				<0.00124	0.133	<0.000849	**0.665**			<0.000300		
	MW-101	Oct-22			0.00450	0.117				<0.00124	0.622	<0.000849	**0.747**			<0.000300		
	MW-101	Mar-23			**0.0117**	0.176				<0.00124	0.0923 J	0.00128 J	**0.476**			<0.000300		
	MW-101	Oct-23			**0.0338**	0.0685				<0.00124	**1.17**	<0.000849	**0.735**			<0.000300		
	MW-101	Apr-24			**0.0353**	0.0575				<0.00124	**1.20**	<0.000849	**0.745**			<0.000300		
	MW-101	Oct-24			**0.0260**	0.185				<0.00124	0.125	<0.000849	**0.719**			<0.000300		
	MW-102	Apr-22			**0.0138**	**2.16**				<0.00124	0.136	0.00403	0.0412			<0.000300		
	MW-102	Apr-22	FD		**0.0140**	**2.17**				<0.00124	0.0541 J	0.00356	0.0396			<0.000300		
	MW-102	Oct-22			0.00931	0.360				0.00133 J	0.0871 J	0.00517	0.0354			<0.000300		
	MW-102	Oct-22	FD		0.00997	0.363				<0.00124	0.0281 J	0.00558	0.0356			0.000325 J		
	MW-102	Mar-23			**0.0120**	0.200				<0.00124	0.0383 J	0.00251	0.0156			**0.0857**		
	MW-102	Mar-23	FD		**0.0113**	0.207				<0.00124	0.0342 J	0.00267	0.0164			0.0435		
	MW-102	Oct-23			**0.0115**	0.422				<0.00124	0.110	0.00411	0.0234			<0.000300		
	MW-102	Oct-23	FD		**0.0114**	0.428				<0.00124	0.112	0.00385	0.0229			<0.000300		
	MW-102	Apr-24			0.00855	1.56				0.00134 J	0.502	0.00419	0.0255			<0.000300		
	MW-102	Apr-24	FD		0.00861	1.33				0.00147 J	0.867	0.00382	0.0264			0.000373 J		
	MW-102	Oct-24			0.0100	**5.01**				<0.00124	0.0804 J	0.00476	0.0275			0.000341 J		
	MW-102	Oct-24	FD		0.00990	**6.21**				0.00168 JB	0.110	0.00417	0.0263			<0.000300		
	MW-103	Apr-21			0.00139 J	1.26				0.00127 J	0.0716 J	0.00123 J	0.00923			<0.000300		
	MW-103	Apr-22			0.00192 J	1.51				0.00278	0.0607 J	<0.000849	0.00535			<0.000300		
	MW-103	Mar-23			0.00216	0.420				<0.00124	0.0407 J	0.00106 J	0.00181 J			0.000384 J		
	MW-103	Apr-24			0.00226	0.283				<0.00124	<0.0281	<0.000849	0.00164 J			<0.000300		
	MW-104	Apr-22			0.00185 J	0.0180				0.00174 J	0.0432 J	<0.000849	0.0173			<0.000300		
	MW-104	Oct-22			0.000998 J	0.0257				<0.00124	<0.0281	<0.000849	0.0190			<0.000300		
	MW-104	Mar-23			0.00207	0.0232				<0.00124	<0.0281	<0.000849	0.0128			<0.000300		
	MW-104	Oct-23			0.00292	0.0287				<0.00124	<0.0281	<0.000849	0.0229			<0.000300		
	MW-104	Apr-24			0.00401	0.0302				<0.00124	<0.0281	<0.000849	0.0176			<0.000300		
	MW-104	Oct-24			0.00597	0.0314				<0.00124	<0.0281	<0.000849	0.0153			0.000378 J		
	MW-105	Apr-22			**0.0133**	0.0755				0.00317	0.298	<0.000849	0.0553			<0.000300		
	MW-105	Oct-22			0.00757	0.103				0.00164 J	**3.26**	0.00383	0.166			0.00133 J		
	MW-105	Mar-23			0.00751	0.220				0.00176 J	0.167	<0.000849	0.144			<0.000300		
	MW-105	Oct-23			0.00546	0.120				0.00193 J	0.714	0.00274	0.0579			0.00155 J		
	MW-105	Apr-24			0.00615	0.634				0.00137 J	0.214	<0.000849	**0.223**			0.000432 J		
	MW-105	Oct-24			0.00298	0.188				0.00185 J	0.590	0.00107 J	**0.314**			0.00106 J		
	MW-106	Apr-21			**0.0209**	0.0281				0.00210	0.279	0.00341	0.0323			0.000651 J		
	MW-106	Oct-23			0.00377	0.0468				0.00272	0.708	0.00148 J	0.0193			0.00640		
	MW-106	Apr-24			**0.0148**	0.0451				0.00125 J	0.667	0.00620	0.00448 J			0.000452 J		
	MW-106	Oct-24			0.00687	0.0794				0.00267 B	0.217	0.00424	0.00816			<0.000300		
	MW-107	Oct-15			0.00883	1.55				0.000625 J	0.368	0.000259 J	0.178			<0.000380		
	MW-107	Apr-17			0.00143 J	1.99				<0.000540	**5.17**	0.000437 J	0.105			0.0145		
	MW-107	Apr-18			0.00157 J	**2.32**				<0.000540	**4.54**	0.000427 JB	0.146			<0.000380		
	MW-107	Apr-19			0.00174 J	**2.64**				0.00139 JB	**2.77**	0.000542 J	0.185			<0.000380		
	MW-109	Apr-22			0.00178 J	0.0893				<0.00124	<0.0281	<0.000849	0.0494			<0.000300		
	MW-109	Oct-22			0.00411	1.33				0.00470	**3.39**	0.00254	0.149			<0.000300		
	MW-109	Mar-23			0.00491	0.0800				<0.00124	0.0531 J	<0.000849	0.126			0.000303 J		
	MW-109	Oct-23			0.00223	0.103				<0.00124	0.0441 JB	<0.000849	0.0657			<0.000300		
	MW-109	Apr-24			0.00302	0.0731				<0.00124	0.0371 J	<0.000849	0.0917			<0.000300		
	MW-109	Oct-24			0.00195 J	0.116				<0.00124	0.0319 JB	<0.000849	0.0979			<0.000300		
	MW-110	Apr-22			0.00429	0.0615				<0.00124	0.414	<0.000849	**0.566**			<0.000300		
	MW-110	Oct-22			**0.0388**	0.0483				<0.00124	**1.19**	<0.000849	**2.00**			<0.000300		
	MW-110	Mar-23			**0.0383**	0.0528				0.00141 J	**1.15**	<0.000849	**2.23**			<0.000300		
	MW-110	Oct-23			**0.0281**	0.0713				<0.00124	0.961	<0.000849	**2.25**			<0.000300		
	MW-110	Apr-24			**0.0313**	0.0501				<0.00124	**1.10**	<0.000849	**2.27**			<0.000300		
	MW-110	Oct-24			**0.0255**	0.0708				<0.00124	0.984	<0.000849	**2.27**			<0.000300		
	MW-139	Apr-22			0.00650	0.0298				<0.00124	0.485	<0.000849	**1.44**			<0.000300		
	MW-139	Oct-22			0.00563	0.0298				<0.00124	0.302	<0.000849	**1.50**			**0.145**		
	MW-139	Mar-23			**0.0110**	0.0264				<0.00124	0.558	<0.000849	**1.72**			<0.000300		
	MW-139	Oct-23			0.00429	0.0289				<0.00124	0.160	<0.000849	**1.17**			<0.000300		
	MW-139	Apr-24			0.00885	0.0278				<0.00124	0.329	<0.000849	**1.48**			<0.000300		
	MW-139	Oct-24			0.00766	0.0309				<0.00124	0.269	<0.000849	**1.49**			<0.000300		
	MW-158	Oct-24																
	MW-159	Oct-24																
	RA-313	Apr-21																
	RA-313	Apr-22																
	RA-313	Mar-23																
	RA-313	Apr-24																
	RW-4	Jun-20			0.00356	0.0676				<0.00149	0.238	<0.00249	0.133			<0.000657		
	RW-4	Apr-22			0.00552	0.0742				<0.00124	0.0784 J	<0.000849	0.181			<0.000300		
	RW-4	Mar-23			0.00486	0.0655				<0.00124	0.0475 J	0.000881 J	0.187			<0.000300		
	RW-4	Apr-24			0.00420	0.128				0.00194 J	0.0386 J	0.000898 J	0.171			<0.000300		
	RW-5R	Apr-15			0.00136 J	0.0259				<0.000540	0.0952 J	0.000336 J	0.0177			<0.000380		
	RW-6	Apr-18			**0.0170**	1.94				0.00106 J	**1.59**	0.000764 JB	**0.298**			<0.000380		
	RW-6	Apr-19			0.00630	**6.89**				0.000826 JB	0.173	0.000482 J	0.156			<0.000380		
	RW-6	Mar-23			**0.0423**	0.633				0.00443	**1.19**	0.00577	0.195			0.000538 J		
	RW-6	Apr-24			**0.0976**	0.106				<0.00124	**3.10**	<0.000849	**0.953** V			<0.000300		
	RW-15C	Apr-17			**0.0274**	0.885				<0.000540	0.316	0.0116	**0.358**			0.000461 JB		
	RW-15C	Apr-18			**0.0239**	1.19				0.000699 J	0.264	0.000822 J	**0.372**			0.000836 J		
	RW-15C	Apr-19			**0.0135**	1.70				0.00534 B	0.473	0.00106 JB	**0.457**			0.00895		
	RW-19	Apr-24			**0.0417**	0.0612				<0.00124	**3.42**	0.00559	**1.74**			<0.000300		
South RO Field	MW-114	Apr-22			0.00377	0.0120				<0.00124	<0.0281	<0.000849	**0.695**			0.000752 J		
	MW-114	Oct-22			0.00529	0.0181				<0.00124	<0.0281	<0.000849	**0.890**			0.00182 J		
	MW-114	Mar-23			0.00220	0.0122	0.0472 J	<0.000150	0.00168 J	<0.00124	<0.0281	<0.000849	**0.359**	<0.000100	0.00164 J	0.00243	0.00338	0.00551
	MW-114	Oct-23			0.00388	0.0146	0.138 J	<0.000150	0.00180 J	<0.00124	<0.0281	<0.000849	**0.358**	<0.000100	0.00474	0.00175 J	0.00457	0.00995
	MW-114	Apr-24			0.00256	0.0111	0.135 J	<0.000150	0.00146 J	<0.00124	<0.0281	<0.000849	**0.280**	<0.000100	0.00473	0.000891 J	0.00251	0.00782
	MW-114	Oct-24			0.00342	0.0139	0.152 J	<0.000150	0.00178 J	<0.00124	<0.0281	<0.000849	**0.385**	<0.0000700	0.00468	0.00139 J	0.00311	0.0106
	MW-115	Apr-22			0.00444	0.00893				0.00296	<0.0281	<0.000849	0.0593			0.00576		
	MW-115	Oct-22			0.00533	0.0106				<0.00124	<0.0281	<0.000849	0.0465			0.00406		
	MW-115	Mar-23			0.00533	0.0184	0.697	<0.000150	0.00235	0.00147 J	0.358	<0.000849	0.152	<0.000100	0.00576	0.00356	**0.0525**	0.0280
	MW-115	Oct-23			0.00524	0.0111	**0.821**	<0.000150	0.00157 J	<0.00124	0.0848 JB	<0.000849	0.165	<0.000100	0.00600	0.00226	**0.0522**	0.0268
	MW-115	Apr-24			0.00437	0.0112	0.721	<0.000150	0.00133 J	<0.00124	0.185	<0.000849	0.133	<0.000100	0.00661	0.00206	**0.0370**	0.0221
	MW-115	Oct-24			0.00460	0.0104	0.720	<0.000150	0.00118 J	<0.00124	<0.0281	<0.000849	0.175	<0.0000700	0.00642	0.00149 J	**0.0438**	0.0268
	MW-116	Apr-22			0.00296	0.00856				<0.00124	0.0323 J	<0.000849	0.0366			0.00656		
	MW-116	Oct-22			0.00373	0.00971				<0.00124	0.0502 J	<0.000849	0.0916			0.00573		
	MW-116	Mar-23			0.00325	0.00874	0.233	<0.000150	0.00271	<0.00124	0.0772 J	<0.000849	0.0963	<0.000100	0.00237	0.0293	0.0291	0.0135
	MW-116	Apr-24			0.00271	0.00909	0.234	<0.000150	0.00262	<0.00124	<0.0281	<0.000849	0.0341	<0.000100	0.00239	0.00437	**0.0318**	0.0133
	MW-116	Oct-24			0.00388	0.00923	0.247	<0.000150	0.00254	<0.00124	0.136 B	<0.000849	0.0410	<0.0000700 J6O1	0.00228	0.00394	**0.0364**	0.0159
	MW-144	Mar-23			0.00447	0.0106	0.394	<0.000150	0.000559 J	<0.00124	<0.0281	<0.000849	0.0129	<0.000100	0.00117 J	0.00855	**0.0340**	0.0167
	MW-144	Oct-23			0.00470	0.0111	0.423	<0.000150	0.000593 J	<0.00124	<0.0281	<0.000849	0.0181	<0.000100	0.00282	0.0118	**0.0376**	0.0151
	MW-144	Apr-24			0.00431	0.0106	0.434	<0.000150	0.000600 J	<0.00124	<0.0281	<0.000849	0.0205	<0.000100	0.00149 J	0.00986	**0.0412**	0.0165
	MW-144	Oct-24			0.00434	0.0113	0.427	<0.000150	0.000477 J	<0.00124	<0.0281	<0.000849	0.0163	<0.0000700	0.00118 J	0.00984	**0.0384**	0.0156
	MW-163	Oct-24																

Appendix B, Table B.2 - Summary of Groundwater Analytical Data - Total Metals

2024 Annual Groundwater Monitoring Report

HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

	Analyte Group			Total Metals													
	Analyte			Arsenic	Barium	Boron	Cadmium	Cobalt	Chromium	Iron	Lead	Manganese	Mercury	Nickel	Selenium	Uranium	Vanadium
	CAS			7440-38-2	7440-39-3	7440-42-8	7440-43-9	7440-48-4	7440-47-3	7439-89-6	7439-92-1	7439-96-5	7439-97-6	7440-02-0	7782-49-2	7440-61-1	7440-62-2
	Units			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	CGWSL			0.0100	2.00	0.750	0.00500	0.0500	0.0500	1.00	0.0150	0.200	0.00200	0.200	0.0500	0.0300	0.0631
	CGWSL Source			WQCC HH	WQCC HH	WQCClrr	WQCClrr	WQCC HH	WQCC HH	WQCC Dom	WQCC HH	WQCC Dom	WQCC HH	WQCClrr	WQCC HH	WQCC HH	NMED TW
Area	**Well ID**	**Date**	**Dup**														
TEL	MW-49	Apr-22		0.00488	0.0505	0.701	<0.000150	0.0000771 J	<0.00124	0.0693 J	<0.000849	0.188 J6	<0.000100	0.00944	<0.000300	<0.0000789	0.000690 J
	MW-49	Oct-22		0.00430	0.0665	0.728	<0.000150	<0.0000596	<0.00124	0.0800 J	0.00135 J	0.173	<0.000100	0.00935	<0.000300	<0.0000789	0.000728 J
	MW-49	Mar-23		0.00434	0.0681	**0.777**	<0.000150	<0.0000596	<0.00124	<0.0281	<0.000849	0.145	<0.000100	0.00833	<0.000300	<0.0000789	<0.000664
	MW-49	Oct-23		0.00413	0.0820	**0.796**	<0.000150	0.000217 J	<0.00124	0.304	0.00132 J	0.117	<0.000100	0.00817	<0.000300	<0.0000789	0.000916 J
	MW-49	Apr-24		0.00447	0.0686	**0.766**	<0.000150	0.0000683 J	<0.00124	0.0508 J	0.000953 J	0.0901	<0.000100	0.00838	0.000331 J	<0.0000789	<0.000664
	MW-49	Oct-24		0.00351	0.0761	0.739	<0.000150	0.000136 J	<0.00124	0.142	<0.000849	0.148	<0.0000700	0.00909	<0.000300	<0.0000789	<0.000664
	TEL-1	Oct-18		**0.0173**	0.0171				0.00240	0.0675 J	<0.000240	0.0419			<0.000380		
	TEL-1	Apr-19		**0.0142**	0.0203				0.00480	0.158	0.000325 J	0.0425			<0.000380		
	TEL-1	Oct-19		**0.0136**	0.0158				0.00444 B	0.0598 JB	0.000418 JB	0.0365			<0.000380		
	TEL-1	Jun-20		**0.0116**	0.0152 J				0.00273	0.120	<0.00249	0.0315			<0.000657		
	TEL-2	Oct-18		**0.0152**	0.101				0.00151 J	0.0287 J	0.000727 J	0.0273			0.000520 J		
	TEL-2	Apr-19		**0.0117**	0.111				0.00208	0.0688 J	0.00130 J	0.0190			0.00137 J		
	TEL-2	Oct-19		**0.0115**	0.0914				0.00295 B	0.0484 JB	0.000814 JB	0.0281			0.000498 J		
	TEL-2	Jun-20		0.00826	0.131				0.00193 J	0.0517 J	<0.00249	0.0341			<0.000657		
	TEL-3	Apr-18		**0.0109**	0.0248				**0.334**	**1.47**	0.000726 J	0.0114			<0.000380		
	TEL-3	Apr-19		0.00228	0.0214				**0.0851**	0.336	0.00111 J	0.0142			0.000982 J		
	TEL-3	Oct-19		0.00161 J	0.0182				0.0248	0.112 B	0.000803 JB	0.0205			<0.000380		
	TEL-3	Oct-20		0.00434	0.0158 J				0.0275	0.158	<0.00249	0.0170			<0.000657		
	TEL-4	Apr-22		0.00436	0.0129				**0.0570**	0.244	<0.000849	**0.731**			0.000375 J		
	TEL-4	Apr-22	FD	0.00437	0.0118				**0.111**	0.423	<0.000849	**0.746**			<0.000300		
	TEL-4	Oct-22		0.00574	0.0200				**0.303**	0.322	0.000873 J	**1.03**			<0.000300		
	TEL-4	Oct-22	FD	0.00540	0.0206				**0.191**	0.223	0.00113 J	**1.01**			0.000321 J		
	TEL-4	Mar-23		0.00383	0.0163				**0.463**	0.844	<0.000849	**0.913**			0.0285		
	TEL-4	Mar-23	FD	0.00361	0.0176				**0.461**	0.905	<0.000849	**0.918**			0.0125		
	TEL-4	Oct-23		**0.0356**	0.0197				**0.287**	**2.43**	0.00199 J	**0.721**			<0.000300		
	TEL-4	Oct-23	FD	**0.0451**	0.0207				**0.543**	**5.48**	0.00349	**0.776**			0.000494 J		
	TEL-4	Apr-24		**0.0292**	0.0235				**0.110**	0.149	<0.000849	**0.520**			<0.000300		
	TEL-4	Apr-24	FD	**0.0386**	0.0231				**0.144**	**1.20**	0.00133 J	**0.529**			<0.000300		
	TEL-4	Oct-24		**0.0285**	0.0384				**0.143**	0.247	<0.000849	**0.538**			<0.000300		
	TEL-4	Oct-24	FD	**0.0327**	0.0407				**0.113**	0.226	<0.000849	**0.562**			<0.000300		
Three Mile Ditch	MW-8	Apr-21		0.00685	0.0155 J				0.0140	0.0819 J	<0.000849	**0.371**			**0.0543**		
	MW-8	Apr-22		0.00617	0.0138				0.0118	0.0779 J	<0.000849	**0.359**			**0.0783**		
	MW-8	Mar-23		0.00708	0.0130				0.00998	0.0784 J	<0.000849	**0.339**			**0.0663**		
	MW-8	Apr-24		0.00738	0.0113				0.0262	0.184	<0.000849	**0.430**			0.0427		
	MW-16	Apr-21		0.00528	0.0186 J				<0.00124	0.0632 J	<0.000849	**0.215**			0.00859		
	MW-16	Apr-22		0.00498	0.0158				<0.00124	<0.0281	<0.000849	**0.254**			0.00853		
	MW-16	Mar-23		0.00559	0.0130				<0.00124	0.0286 J	<0.000849	0.0121			0.0280		
	MW-16	Apr-24		0.00493	0.0140				<0.00124	0.0372 J	<0.000849	0.110 J5			0.0193		
	MW-20	Apr-21		0.00531	0.0109 J				<0.00124	<0.0281	<0.000849	0.0237			0.00615		
	MW-20	Apr-22		0.00495	0.00958				<0.00124	<0.0281	<0.000849	0.00169 J			0.00953		
	MW-20	Mar-23		0.00520	0.0122				<0.00124	<0.0281	<0.000849	0.00401 J			0.0193		
	MW-20	Apr-24		0.00429	0.0100				<0.00124	<0.0281	<0.000849	0.00170 J			0.0182		
	MW-21	Apr-22		0.00534	0.00993				<0.00124	0.0618 J	<0.000849	0.113			**0.0524**		
	MW-21	Oct-22		0.00587	0.00936				<0.00124	<0.0281	<0.000849	**0.637**			**0.0549**		
	MW-21	Mar-23		0.00562	0.00891				<0.00124	<0.0281	<0.000849	**0.203**			0.0416		
	MW-21	Oct-23		0.00559	0.00963				<0.00124	<0.0281	<0.000849	**0.670**			**0.0502**		
	MW-21	Apr-24		0.00531	0.0104				<0.00124	<0.0281	<0.000849	0.127			0.0301		
	MW-21	Oct-24		0.00528	0.00853				<0.00124	<0.0281	<0.000849	**0.419**			0.0382		
	MW-25	Apr-21		0.00178 J	0.0189 J				<0.00124	<0.0281	<0.000849	**2.16**			0.00249		
	MW-25	Apr-22		0.00347	0.0451				<0.00124	<0.0281	<0.000849	**2.51**			0.000351 J		
	MW-25	Mar-23		0.00368	0.0390				0.00171 JB	<0.0281	<0.000849	**0.741** V			0.000407 J		
	MW-25	Apr-24		**0.0301**	0.0139				<0.00124	0.0929 J	<0.000849	**0.867**			0.00395		
	MW-26	Apr-21		0.00310	0.0101 J				<0.00124	<0.0281	<0.000849	0.0517			0.0201		
	MW-26	Apr-22		0.00317	0.00780				<0.00124	<0.0281	<0.000849	**0.267**			0.0171		
	MW-26	Mar-23		0.00304	0.00836				<0.00124	<0.0281	<0.000849	0.0779			0.0164		
	MW-26	Apr-24		0.00292	0.00682				<0.00124	<0.0281	<0.000849	0.193			0.0151		
	MW-27	Apr-21		0.00223	0.0179 J				<0.00124	<0.0281	<0.000849	0.0143			0.0173		
	MW-27	Apr-22		0.00231	0.0187				<0.00124	<0.0281	<0.000849	0.0229			0.0158		
	MW-27	Mar-23		0.00219	0.0168				<0.00124	<0.0281	<0.000849	0.00484 J			0.0203		
	MW-27	Apr-24		0.00198 J	0.0174				<0.00124	<0.0281	<0.000849	0.0236			0.0144		
	MW-46R	Apr-22		0.00256	0.0109				0.00171 J	0.0768 J	<0.000849	0.0475			0.0351		
	MW-46R	Oct-22		0.00463	0.0274				0.00420	**1.71**	0.00493	0.0905			0.0181		
	MW-46R	Mar-23		0.00264	0.0124				<0.00124	0.0529 J	<0.000849	0.0150			0.0295		
	MW-46R	Oct-23		0.00548	0.0264				0.00729	**1.40**	0.0140	0.0975			0.00889		
	MW-46R	Apr-24		0.00241	0.0147				<0.00124	0.0799 J	<0.000849	0.0386			0.00499		
	MW-46R	Oct-24		0.00250	0.0168				<0.00124	0.157 B	<0.000849	0.0236			0.00439		
	MW-68	Apr-21		0.00276	0.0134 J				<0.00124	0.0401 J	<0.000849	0.00543			0.0224		
	MW-68	Apr-22		0.00246	0.0127				<0.00124	0.102	0.00175 J	0.00437 J			0.0259		
	MW-68	Mar-23		0.00266	0.0117				<0.00124	<0.0281	<0.000849	<0.000704			0.0233		
	MW-68	Apr-24		0.00259	0.0116				<0.00124	<0.0281	<0.000849	0.00208 J			0.0258		
	MW-71	Apr-21		0.00385	0.00911 J	0.655	<0.000150	0.000147 J	<0.00124	<0.0281	<0.000849	0.00147 J	0.000261	0.00115 J	0.0264	**0.0666**	0.0242
	MW-71	Apr-22		0.00397	0.00728	0.654	<0.000150	<0.0000596	<0.00124	<0.0281	<0.000849	<0.000704	<0.000100	<0.000816	0.0270	**0.0693**	0.0246
	MW-71	Mar-23		0.00391	0.00845	0.626	<0.000150	0.000125 J	0.00151 J	<0.0281	<0.000849	0.000845 J	<0.000100	0.00110 J	0.0252	**0.0672**	0.0249
	MW-71	Apr-24		0.00333	0.00719	0.648	<0.000150	0.0000891 J	<0.00124	<0.0281	<0.000849	<0.000704	<0.000100	0.000864 J	0.0217	**0.0551**	0.0207
	MW-89	Apr-21		**0.0132**	0.0139 J				0.00131 J	0.305	<0.000849	**0.663** V			0.00303		
	MW-89	Apr-22		**0.0105**	0.0122				<0.00124	0.0409 J	<0.000849	0.191			0.00485		
	MW-89	Mar-23		0.00817	0.0126				<0.00124	<0.0281	<0.000849	**0.426**			0.00338		
	MW-89	Apr-24		0.00973	0.0132				<0.00124	0.424	<0.000849	**0.532**			0.00471		
	MW-152	Oct-24															
	MW-153	Oct-24															
	MW-154	Oct-24															
	MW-155	Oct-24															
	MW-156	Oct-24															
	NP-1	Apr-22															
	NP-1	Oct-22															
	NP-1	Mar-23															
	NP-1	Oct-23															
	NP-1	Apr-24															
	NP-1	Oct-24															
	NP-6	Apr-17															
	NP-6	Apr-19															
	NP-6	Apr-21															
	NP-6	Mar-23															
Upgradient	UG-1	Apr-21		0.00134 J	0.0137 J	0.741	<0.000150	0.000148 J	0.00204 B	<0.0281	<0.000849	0.00184 J	<0.000100	0.00238	0.0167	**0.0388**	0.0140
	UG-1	Apr-22		0.00162 J	0.0132	0.733	<0.000150	0.0000957 J	<0.00124	<0.0281	<0.000849	<0.000704	<0.000100	<0.000816	0.0130	**0.0431**	0.0140
	UG-1	Mar-23		0.00142 J	0.0129	0.728	<0.000150	0.0000741 J	<0.00124	<0.0281	<0.000849	<0.000704	<0.000100	<0.000816	0.0128	**0.0373**	0.0144
	UG-1	Apr-24		0.00125 J	0.0102	0.532	<0.000150	0.000228 J	<0.00124	<0.0281	<0.000849	<0.000704	<0.000100	<0.000816	0.00573	0.0263	0.0116
	UG-2	Apr-21		0.00224	0.0160 J	0.265	<0.000150	0.000107 J	0.00271 B	0.0303 J	<0.000849	0.00420 J	<0.000100	0.00295	0.00599	0.0161 J	0.0200
	UG-2	Apr-22		0.00238	0.0152	0.267	<0.000150	0.0000828 J	<0.00124	<0.0281	<0.000849	0.00569 B	<0.000100	0.00183 J	0.00570	0.0156	0.0198
	UG-2	Mar-23		0.00245	0.0146	0.264	<0.000150	<0.0000596	<0.00124	<0.0281	<0.000849	<0.000704	<0.000100	0.00162 J	0.00531	0.0143	0.0228
	UG-2	Apr-24		0.00213	0.0150	0.247	<0.000150	0.000128 J	<0.00124	<0.0281	<0.000849	0.00148 J	<0.000100	0.00182 J	0.00471	0.0115	0.0217

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Appendix B, Table B.2 - Summary of Groundwater Analytical Data - Total Metals

2024 Annual Groundwater Monitoring Report

HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Total Metals													
				Analyte	Arsenic	Barium	Boron	Cadmium	Cobalt	Chromium	Iron	Lead	Manganese	Mercury	Nickel	Selenium	Uranium	Vanadium
				CAS	7440-38-2	7440-39-3	7440-42-8	7440-43-9	7440-48-4	7440-47-3	7439-89-6	7439-92-1	7439-96-5	7439-97-6	7440-02-0	7782-49-2	7440-61-1	7440-62-2
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	0.0100	2.00	0.750	0.00500	0.0500	0.0500	1.00	0.0150	0.200	0.00200	0.200	0.0500	0.0300	0.0631
				CGWSL Source	WQCC HH	WQCC HH	WQCClrr	WQCClrr	WQCC HH	WQCC HH	WQCC Dom	WQCC HH	WQCC Dom	WQCC HH	WQCClrr	WQCC HH	WQCC HH	NMED TW
Area	**Well ID**	**Date**	**Dup**															
Upgradient	UG-3R	Apr-21		0.00140 J	0.0221	0.169 J	<0.000150	0.000113 J	0.00429 B	0.0430 J	0.000853 J	0.00180 J	<0.000100	0.00108 J	0.00420	0.0181 J	0.00939
	UG-3R	Apr-22		0.00149 J	0.0191	0.183 J	<0.000150	0.0000759 J	<0.00124	<0.0281	<0.000849	0.000775 JB	<0.000100	<0.000816	0.00472	0.0273	0.00900
	UG-3R	Mar-23		0.00141 J	0.0250	0.162 J	<0.000150	0.0000610 J	<0.00124	<0.0281	<0.000849	0.000918 JB	<0.000100	0.00131 J	0.00566	0.0189	0.00964
	UG-3R	Apr-24		0.00151 J	0.0231	0.162 J	<0.000150	<0.0000596	<0.00124	<0.0281	<0.000849	0.00121 J	<0.000100	0.000916 J	0.00951	0.0230	0.00950
	UG-4	Apr-21		0.00146 J	0.0150 J	**0.983**	<0.000150	0.000184 J	<0.00124	0.0350 J	<0.000849	0.00426 J	<0.000100	<0.000816	0.00959	**0.0356**	0.00929
	UG-4	Apr-22		0.00147 J	0.0229	0.749	<0.000150	0.000862 J	0.00295	0.200	<0.000849	0.0492	<0.000100	0.00120 J	0.0119	**0.0334**	0.00923
	UG-4	Mar-23		0.00150 J	0.0196	**1.22**	<0.000150	0.000340 J	<0.00124	0.235	<0.000849	0.0347	<0.000100	0.00228	0.00789	**0.0421**	0.00876
	UG-4	Apr-24		0.00194 J	0.0256	**1.32**	<0.000150	0.00104 J	0.00166 J	0.524	<0.000849	0.161	<0.000100	0.00228	0.00783	**0.0464**	0.0104

Definitions

X	Reported concentration, X, exceeds the CGWSL.
X	Analyte detected above the detection limit at a concentration equal to X.
<x	Analyte not detected at detection limit equal to x.
<x	Analyte not detected at detection limit equal to x, but x exceeds the CGWSL.
	Blank cell indicates a sample was collected from the well during the indicated sampling event, but the analyte was not analyzed.

Abbreviations

CGWSL	Critical Groundwater Screening Level (see Table 3)
CGWSL Source	Source for CGWSL value (see Table 3)
Dup	Duplicate sample
FD	Field duplicate sample
mg/L	Milligrams per Liter
NMED TW	NMED Risk Assessment Guidance for Site Investigations and Remediation, November 2022, Table A-1, Tap Water Screening Level
WQCC Dom	NMED Groundwater standard for domestic exposure, 20.6.2.3103.B NMAC
WQCC HH	NMED Groundwater standard for human health exposure, 20.6.2.3103.A NMAC
WQCC Irr	NMED Groundwater standard for irrigation exposure, 20.6.2.3103.C NMAC

Lab Footnote

B	Analyte was also detected in the associated method blank.
J	Indicates an estimated value.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
V	The sample concentration is too high to evaluate accurate spike recoveries.

Note - Irrigation well RA-4196R was installed in June 2022 to replace both irrigation wells RA-4196 and RA-4798 which were plugged and abandoned in April 2023.

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Appendix B, Table B.3 - Summary of Groundwater Analytical Data - Dissolved Metals

2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Total Metals													
				Analyte	Arsenic	Barium	Boron	Cadmium	Chromium	Cobalt	Iron	Lead	Manganese	Mercury	Nickel	Selenium	Uranium	Vanadium
				CAS	7440-38-2	7440-39-3	7440-42-8	7440-43-9	7440-47-3	7440-48-4	7439-89-6	7439-92-1	7439-96-5	7439-97-6	7440-02-0	7782-49-2	7440-61-1	7440-62-2
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	0.0100	2.00	0.750	0.00500	0.0500	0.0500	1.00	0.0150	0.200	0.00200	0.200	0.0500	0.0300	0.0631
				CGWSL Source	WQCC HH	WQCC HH	WQCCIrr	WQCCIrr	WQCC HH	WQCC HH	WQCC Dom	WQCC HH	WQCC Dom	WQCC HH	WQCCIrr	WQCC HH	WQCC HH	NMED TW
Area	**Well ID**	**Date**	**Dup**															
Cross-Gradient	KWB-13	Apr-21		0.00217	0.0142 J	0.291	<0.000150	0.00124 J	0.000138 J	<0.0281	<0.000849	0.00336 J	<0.000100	0.00114 J	0.0126	0.0220	0.0174	
	KWB-13	Apr-22		0.00251	0.0137	0.311	<0.000150	0.00135 J	0.000143 J	<0.0281	<0.000849	<0.000704	<0.000100	0.000948 JB	0.0116	0.0199	0.0193	
	KWB-13	Mar-23		0.00263 B	0.0141	0.296	<0.000150	<0.00124 J4	<0.0000596	<0.0281	<0.000849	0.000863 J	<0.000100	<0.000816	0.00991	0.0220	0.0209	
	KWB-13	Apr-24		0.00259	0.0149	0.261	<0.000150	0.00183 J	0.000146 J	<0.0281	<0.000849	0.000796 J	<0.000100	<0.000816	0.00896	0.0195	0.0180	
	MW-136	Apr-22		0.00223	0.0110	0.487	<0.000150	<0.00124	0.000887 J	<0.0281	<0.000849	0.00142 J	<0.000100	0.00287	0.00879	**0.0338**	0.0140	
	MW-136	Oct-22																
	MW-136	Mar-23		0.00261 B	0.0164	0.517	<0.000150	<0.00124 J4	0.000664 J	<0.0281	<0.000849	0.00133 J	<0.000100	0.00235	0.00670	**0.0369**	0.0163 B	
	MW-136	Oct-23																
	MW-136	Oct-24																
	MW-149	Oct-23																
	MW-149	Apr-24		0.00299	0.0179			<0.00124		<0.0281	<0.000849	0.00377 J			0.00821			
	MW-149	Oct-24																
	MW-150	Oct-23																
	MW-150	Apr-24		0.00169 J	0.0119			<0.00124		0.0542 J	<0.000849	0.00580			0.00243			
	MW-150	Oct-24																
	NP-5	Apr-17		0.00315	0.00738			<0.000540		<0.0150	<0.000240	<0.000250			0.0125			
	NP-5	Apr-19		0.00303	0.00741			<0.000540		<0.0150	0.000353 J	0.000297 J			0.0126			
	NP-5	Apr-21		0.00345	0.00814 J			<0.00124		<0.0281	<0.000849	0.000958 J			0.00956			
	NP-5	Mar-23		0.00348 B	0.00893			<0.00124 J4		<0.0281	<0.000849	0.00469 J			0.00781			
	RA-3156	Apr-19																
	RA-3156	Jun-20																
	RA-3156	Apr-21																
	RA-3156	Apr-22																
Evaporation Ponds	MW-1R	Apr-21		0.000654 J	0.0194 J			<0.00124		<0.0281	<0.000849	**0.971**			0.000505 J			
	MW-1R	Apr-22		0.00132 J	0.0189			<0.00124		**1.81**	<0.000849	**1.23**			<0.000300			
	MW-1R	Mar-23		0.00138 J	0.0188			<0.00124		**1.71**	<0.000849	**1.21**			<0.000300			
	MW-1R	Apr-24		0.00216	0.0122			<0.00124		<0.0281	<0.000849	**0.378**			0.00150 J			
	MW-2A	Apr-22		0.00667	0.0230			<0.00124		0.135	<0.000849	**0.632**			0.00344			
	MW-2A	Oct-22																
	MW-2A	Mar-23		0.00613	0.0194			<0.00124		0.972	<0.00424	**0.606**			0.00541			
	MW-2A	Oct-23																
	MW-2A	Apr-24		0.00571	0.0260			<0.00124		0.205	<0.000849	**0.642**			0.00615			
	MW-2A	Oct-24																
	MW-3	Apr-22		**0.0399**	0.0131			<0.00124		0.391	<0.000849	**1.84**			0.00407			
	MW-3	Apr-22	FD	**0.0434**	0.0130			<0.00124		0.398	<0.000849	**1.91**			0.00350			
	MW-3	Oct-22																
	MW-3	Oct-22	FD															
	MW-3	Mar-23		**0.0234**	**2.58**			0.0413		0.186 B	<0.000849	**0.844**			0.0279			
	MW-3	Mar-23	FD	**0.0238**	0.0144			<0.00124		<0.0281	<0.000849	**0.897**			0.0300			
	MW-3	Oct-23																
	MW-3	Oct-23	FD															
	MW-3	Apr-24		**0.0331**	0.0145			<0.00124		0.117	<0.000849	**0.882**			0.00409			
	MW-3	Apr-24	FD	**0.0326**	0.0143			<0.00124		0.0914 J	<0.000849	**0.893**			0.00324			
	MW-3	Oct-24																
	MW-3	Oct-24	FD															
	MW-4A	Apr-22		**0.101**	0.0124			<0.00124		**1.94**	<0.000849	**1.68**			0.000483 J			
	MW-4A	Oct-22																
	MW-4A	Mar-23		**0.119**	0.0116			<0.00124		**1.92**	<0.000849	**1.75**			0.000492 J			
	MW-4A	Oct-23																
	MW-4A	Apr-24		**0.0939**	0.0102			0.00159 J		**1.22**	<0.000849	**1.37**			0.000505 J			
	MW-4A	Oct-24																
	MW-4B	Apr-17		**0.0471**	0.0188			<0.000540		0.0449 J	<0.000240	**9.32**			<0.000380			
	MW-4B	Apr-19		**0.0455**	0.0169			0.000548 JB		<0.0150	0.000686 J	**9.36**			<0.000380			
	MW-4B	Apr-21		**0.0660**	0.0160 J			0.0113		0.0572 J	0.00225	**10.1**			<0.000300			
	MW-4B	Mar-23		**0.0465**	0.0183			<0.00124		**2.81**	<0.000849	**7.09**			<0.000300			
	MW-5A	Apr-22		**0.152**	0.0150			<0.00124		**4.67**	<0.000849	**1.10**			0.000815 J			
	MW-5A	Oct-22																
	MW-5A	Mar-23		**0.0875**	0.0118			<0.00124		**4.80**	<0.000849	**1.48**			0.000738 J			
	MW-5A	Oct-23																
	MW-5A	Apr-24		**0.172**	0.0134			<0.00620		**6.23**	<0.00424	**1.05**			<0.00150			
	MW-5A	Oct-24																
	MW-5B	Apr-17		**0.127**	0.0111			<0.000540		0.0226 J	<0.000240	**3.51**			0.00155 J			
	MW-5B	Apr-19		**0.131**	0.0118			0.000965 JB		0.0237 JB	0.000840 J	**3.16**			0.00217			
	MW-5B	Apr-21		0.00944	0.0140 J			0.00205		<0.0281	<0.000849	**1.04**			<0.000300			
	MW-5B	Mar-23		**0.144**	0.0106			0.00786		**4.03**	<0.000849	**3.13**			0.00134 J			
	MW-5C	Apr-17		0.00981	0.0140			<0.000540		<0.0150	<0.000240	**0.906**			<0.000380			
	MW-5C	Apr-19		0.00761	0.0128			0.000815 JB		<0.0150	<0.000240	**0.956**			<0.000380			
	MW-5C	Apr-21		**0.133**	0.0105 J			<0.00124		0.0358 J	<0.000849	**3.21**			0.00134 J			
	MW-5C	Mar-23		**0.0104**	0.0143			0.00248		0.687	<0.000849	**1.03**			<0.000300			
	MW-6A	Apr-21		0.00481	0.0134 J			0.00141 JB		0.0319 J	<0.000849	**0.285**			0.000402 J			
	MW-6A	Apr-22		0.00490	0.0125			0.00158 J		0.493	<0.000849	**0.280**			0.000882 J			
	MW-6A	Mar-23		0.00635	0.0152			<0.00124		0.958	<0.000849	**0.701**			0.000597 J			
	MW-6A	Apr-24		0.00429	0.0132			<0.00124		0.620	<0.000849	**0.269**			0.000715 J			
	MW-6B	Apr-17		0.00863	0.0141			<0.000540		<0.0150	<0.000240	**1.01**			<0.000380			
	MW-6B	Apr-19		**0.0303**	0.0141			<0.000540		<0.0150	0.000822 J	**2.38**			<0.000380			
	MW-6B	Apr-21		**0.0344**	0.0147 J			<0.00124		<0.0281	0.00128 J	**2.31**			<0.000300			
	MW-6B	Mar-23		**0.0394**	0.0151			<0.00124		**1.70**	<0.000849	**3.05**			<0.000300			
	MW-7A	Apr-22		**0.0152**	0.0159			<0.00124		**2.37**	<0.000849	**0.426**			<0.000300			
	MW-7A	Apr-22	FD	**0.0153**	0.0148			<0.00124		**2.29**	<0.000849	**0.439**			<0.000300			
	MW-7A	Oct-22																
	MW-7A	Oct-22	FD															
	MW-7A	Mar-23		**0.0124**	0.0157			0.00157 J		**1.59**	<0.000849	**0.407**			0.000357 J			
	MW-7A	Mar-23	FD	**0.0128**	0.0157			<0.00124		**1.67**	<0.000849	**0.396**			0.000375 J			
	MW-7A	Oct-23																
	MW-7A	Oct-23	FD															
	MW-7A	Apr-24		**0.0129**	0.0126			<0.00124		**1.98**	<0.000849	**0.383**			0.000366 J			
	MW-7A	Apr-24	FD	**0.0144**	0.0154			<0.00124		**2.32**	<0.000849	**0.442**			0.000419 J			
	MW-7A	Oct-24																
	MW-7A	Oct-24	FD															
	MW-7B	Apr-17		0.00373	0.0118			<0.000540		<0.0150	<0.000240	**0.493**			<0.000380			
	MW-7B	Apr-19		0.00346	0.0107			<0.000540		<0.0150	0.000722 J	**0.486**			<0.000380			
	MW-7B	Apr-21		0.00383	0.0122 J			<0.00124		<0.0281	<0.000849	**0.594**			<0.000300			
	MW-7B	Mar-23		0.00464	0.0128			<0.00124		0.141	<0.000849	**0.659**			<0.000300			
	MW-10	Apr-22		**0.0129**	0.0129			<0.00124		0.171	<0.000849	**2.20**			<0.000300			
	MW-10	Oct-22																
	MW-10	Mar-23		**0.0136**	0.0139			<0.00124		0.284 B	<0.000849	**1.86**			0.000461 J			
	MW-10	Oct-23																
	MW-10	Apr-24		**0.0126**	0.0132			<0.00124		0.187	<0.000849	**2.70**			<0.000300			
	MW-10	Oct-24																
	MW-11A	Apr-22		0.000399 J	0.0241			<0.00124		0.329	<0.000849	**0.256**			<0.000300			
	MW-11A	Oct-22																
	MW-11A	Mar-23		0.000490 J	0.0270			<0.00124		0.286	<0.00424	0.139			<0.000300			
	MW-11A	Oct-23																
	MW-11A	Apr-24		<0.000900	0.0286			<0.00620		0.219 J	<0.00424	0.0714			<0.00150			
	MW-11A	Oct-24																

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HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Total Metals													
				Analyte	Arsenic	Barium	Boron	Cadmium	Chromium	Cobalt	Iron	Lead	Manganese	Mercury	Nickel	Selenium	Uranium	Vanadium
				CAS	7440-38-2	7440-39-3	7440-42-8	7440-43-9	7440-47-3	7440-48-4	7439-89-6	7439-92-1	7439-96-5	7439-97-6	7440-02-0	7782-49-2	7440-61-1	7440-62-2
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	0.0100	2.00	0.750	0.00500	0.0500	0.0500	1.00	0.0150	0.200	0.00200	0.200	0.0500	0.0300	0.0631
				CGWSL Source	WQCC HH	WQCC HH	WQCClrr	WQCClrr	WQCC HH	WQCC HH	WQCC Dom	WQCC HH	WQCC Dom	WQCC HH	WQCClrr	WQCC HH	WQCC HH	NMED TW
Area	Well ID	Date	Dup															
Evaporation Ponds	MW-11B	Apr-17		0.00103 J	0.0188			<0.000540		0.0826 J	<0.000240	**0.370**			<0.000380		
	MW-11B	Apr-19		0.00108 J	0.0185			<0.000540		<0.0150	0.000794 JB	**0.372**			<0.000380		
	MW-11B	Apr-21		0.00133 J	0.0172 J			<0.00124		<0.0281	<0.00424	**0.385**			0.000363 J		
	MW-11B	Mar-23		0.00376	0.0182			<0.00124		**3.78**	<0.000849	**0.381**			<0.000300		
	MW-15	Apr-21		**0.0180**	0.0164 J			<0.00124		<0.0281	<0.000849	0.154			0.00106 J		
	MW-15	Apr-22		**0.0234**	0.0150			<0.00124		<0.0281	<0.000849	0.0321			0.000731 J		
	MW-15	Mar-23		**0.0239**	0.0165			<0.00124		<0.0281	<0.000849	0.0325			0.000955 J		
	MW-15	Apr-24		**0.0171**	0.0190			<0.00124		<0.0281	<0.000849	0.0487			0.000736 J		
	MW-18A	Apr-22		0.00470	0.0149	**1.87**	<0.000150	<0.00124	0.000273 J	<0.0281	<0.000849	0.0515	<0.000100	0.00907	0.000809 J	0.0232	0.000714 J
	MW-18A	Oct-22															
	MW-18A	Mar-23		0.00481	0.0164	**1.86**	<0.000150	<0.00124	0.000453 J	<0.0281	<0.00424	0.0680	<0.000100	0.0101	0.000690 J	0.0237	0.00121 J
	MW-18A	Oct-23															
	MW-18A	Apr-24		0.00420	0.0164	**2.01**	<0.000150	<0.00124	0.000302 J	<0.0281	<0.000849	0.0569	<0.000100	0.0104 B	0.000613 J	0.0262	<0.000664
	MW-18A	Oct-24															
	MW-18B	Apr-17		0.00962	0.0130			<0.000540		<0.0150	<0.000240	**0.897**			<0.000380		
	MW-18B	Apr-19		**0.0105**	0.0136			0.00157 J		0.0189 J	<0.000240	**0.896**			0.000617 J		
	MW-18B	Apr-21		0.00878	0.0146 J			<0.00124		<0.0281	0.00464	**1.09**			<0.000300		
	MW-18B	Mar-23		0.00912	0.0126			<0.00124		0.0380 J	<0.000849	**1.16**			<0.000300		
	MW-22A	Apr-22		**0.0254**	0.0134			<0.00124		0.0552 J	<0.000849	**0.660**			0.00266		
	MW-22A	Apr-22	FD	**0.0253**	0.0138			<0.00124		0.0584 J	<0.000849	**0.655**			0.00261		
	MW-22A	Oct-22															
	MW-22A	Oct-22	FD														
	MW-22A	Mar-23		**0.0316**	0.0172			0.00479		<0.0281	<0.000849	0.0875			0.0239		
	MW-22A	Mar-23	FD	**0.0307**	0.0169			0.00492		<0.0281	<0.00424	0.0893			0.0233		
	MW-22A	Oct-23															
	MW-22A	Oct-23	FD														
	MW-22A	Apr-24		**0.0241**	0.0116			<0.00124		0.0839 J	<0.000849	**0.357**			0.00150 J		
	MW-22A	Apr-24	FD	**0.0232**	0.0111			<0.00124		0.0858 J	<0.000849	**0.365**			0.00195 J		
	MW-22A	Oct-24															
	MW-22A	Oct-24	FD														
	MW-22B	Apr-17		**0.0242**	0.0109			<0.000540		<0.0150	<0.000240	**3.53**			0.000555 J		
	MW-22B	Apr-19		**0.0270**	0.0130			0.00147 J		0.0304 J	<0.000240	**4.13**			0.000414 J		
	MW-22B	Apr-21		**0.0236**	0.0125 J			<0.00124		<0.0281	<0.000849	**4.79**			0.00110 J		
	MW-22B	Mar-23		**0.0259**	0.0121			<0.00124		**1.56**	<0.000849	**4.58**			0.000763 J		
	MW-70	Apr-22		**0.0147**	0.0138			<0.00124		0.482	<0.000849	0.190			<0.000300		
	MW-70	Oct-22															
	MW-70	Mar-23		**0.0153**	0.0150			<0.00124		0.202	<0.000849	0.0978			<0.000300		
	MW-70	Oct-23															
	MW-70	Apr-24		**0.0149**	0.0146			<0.00124		0.457	<0.000849	0.0480			<0.000300		
	MW-70	Oct-24															
	MW-72	Apr-21		0.00445	0.0151 J			<0.00124		<0.0281	<0.000849	**1.02**			0.00151 J		
	MW-72	Apr-22		0.00474	0.0120			<0.00124		0.522	<0.000849	**0.760**			0.00151 J		
	MW-72	Mar-23		0.00448	0.00995			<0.00124		0.368	<0.000849	**0.747**			0.00232		
	MW-72	Apr-24		0.00507	0.0107			<0.00124		0.379	<0.000849	**0.420**			0.00179 J		
	MW-73	Apr-21		**0.0410**	0.00843 J			<0.00124		0.0430 J	<0.000849	**0.437**			0.00142 J		
	MW-73	Apr-22		**0.0376**	0.00947			<0.00124		0.858	<0.000849	**0.341**			0.00126 J		
	MW-73	Mar-23		**0.0380**	0.00765			<0.00124		0.632 B	<0.000849	**0.312**			0.00143 J		
	MW-73	Apr-24		**0.0343**	0.00892			<0.00124		**1.05**	<0.000849	**0.590**			0.00107 J		
	MW-74	Apr-22		**0.105**	0.0129			0.00127 J		<0.0281	<0.000849	**2.14**			0.0118		
	MW-74	Oct-22															
	MW-74	Mar-23		**0.0915**	0.0123			<0.00124		<0.0281	<0.000849	**1.88**			0.0105		
	MW-74	Oct-23															
	MW-74	Apr-24		**0.0962**	0.0138			<0.00124		0.0335 J	<0.000849	**2.21**			0.00626		
	MW-74	Oct-24															
	MW-75	Apr-22		**0.0930**	0.0143			<0.00124		0.289	<0.000849	**1.04**			0.00223		
	MW-75	Oct-22															
	MW-75	Mar-23		**0.101**	0.0148			0.00205		0.301 B	<0.000849	**1.20**			0.00243		
	MW-75	Oct-23															
	MW-75	Apr-24		<0.000180	0.000898 J			0.00224		<0.0281	<0.000849	0.00571			<0.000300		
	MW-75	Oct-24															
	MW-76	Apr-22		**0.0252**	0.0131			<0.00124		**2.24**	<0.000849	**0.742**			0.00109 J		
	MW-76	Oct-22															
	MW-76	Mar-23		**0.0152**	0.0130			<0.00124		**1.17**	<0.000849	**0.709**			0.00102 J		
	MW-76	Oct-23															
	MW-76	Apr-24		**0.0143**	0.0153			<0.00124		**1.30**	<0.000849	**0.684**			0.00123 J		
	MW-76	Oct-24															
	MW-77	Apr-21		**0.0247**	0.0114 J			0.0106		0.110	<0.000849	**0.656**			0.00814		
	MW-77	Apr-22		**0.0230**	0.0166			0.0416		**1.07**	<0.000849	**0.557**			0.0238		
	MW-77	Mar-23		**0.0257**	0.0166			0.0260		**1.50**	<0.000849	**0.590**			0.00967		
	MW-77	Apr-24		**0.0187**	0.0148			0.0329		0.198	<0.000849	**0.480**			0.0144		
	MW-78	Apr-21		0.00912	0.0456			**0.193**		0.0721 J	<0.000849	**0.388**			0.0126		
	MW-78	Apr-22		0.00710	0.0483			**0.143**		0.0706 J	<0.000849	**0.257**			0.00818		
	MW-78	Mar-23		0.00668	0.0454			**0.0994**		0.0379 JB	0.00120 J	0.171			0.00988		
	MW-78	Apr-24		0.00666	0.0424			**0.105**		0.0737 J	<0.000849	**0.269**			0.00797		
	MW-79	Apr-22		0.00410	0.0133			<0.00124		<0.0281	<0.000849	**0.380**			0.00118 J		
	MW-79	Oct-22															
	MW-79	Mar-23		0.00350	0.0140			<0.00124		0.0441 JB	<0.000849	**0.273**			0.00128 J		
	MW-79	Oct-23															
	MW-79	Apr-24		0.00460	0.0142			<0.00124		<0.0281	<0.000849	**0.259**			0.0118		
	MW-79	Oct-24															
	MW-80	Apr-21		0.00176 J	0.0135 J			<0.00124		<0.0281	<0.000849	0.0444			0.000623 J		
	MW-80	Apr-22		0.00174 J	0.0120			<0.00124		0.0560 J	<0.000849	0.125			0.000603 J		
	MW-80	Mar-23		0.00198 J	0.0133			<0.00124		<0.0281	<0.000849	0.0552			0.000996 J		
	MW-80	Apr-24		0.00120 J	0.0143			<0.00124		<0.0281	<0.000849	0.0124			0.000431 J		
	MW-81	Apr-21		0.00633	0.0145 J			0.00142 J		<0.0281	<0.000849	0.0265			0.00757		
	MW-81	Apr-22		0.00596	0.0134			<0.00124		<0.0281	<0.000849	0.0526			0.0116		
	MW-81	Mar-23		0.00652	0.0133			<0.00124		<0.0281	0.00108 J	0.0208			0.0114		
	MW-81	Apr-24		0.00627	0.0132			<0.00124		<0.0281	<0.000849	0.0121			0.0101		
	MW-82	Apr-21		**0.0130**	0.0248			<0.00124		0.0371 J	<0.00424	**2.79**			0.000542 J		
	MW-82	Apr-22		**0.0190**	0.0233			<0.00124		0.103	<0.000849	**2.60**			0.00103 J		
	MW-82	Mar-23		**0.0198**	0.0228			<0.00124		0.122 B	<0.000849	**2.55**			0.000990 J		
	MW-82	Apr-24		**0.0151**	0.0219			<0.00124		0.0473 J	<0.000849	**2.81**			0.000642 J		
	MW-83	Apr-22		**0.0399**	0.0269			0.00336		0.344	<0.000849	**0.450**			0.00490		
	MW-83	Oct-22															
	MW-83	Mar-23		**0.0488**	0.0203			0.00173 J		<0.0281	<0.000849	**0.414**			0.00875		
	MW-83	Oct-23															
	MW-83	Apr-24		**0.0270**	0.0217			0.00264		0.214	<0.000849	**0.242**			0.00306		
	MW-83	Oct-24															
	MW-84	Apr-22		**0.0947**	0.0106 B			<0.00620		**1.25**	<0.00424	**2.79**			0.00735 J		
	MW-84	Oct-22															
	MW-84	Mar-23		**0.0907**	0.0122			0.00492		0.513 B	<0.000849	**2.39**			0.00768		
	MW-84	Oct-23															
	MW-84	Apr-24		**0.0864**	0.0109			0.00631 J		0.898	<0.00424	**2.23**			0.00571 J		
	MW-84	Oct-24															
	MW-86	Jun-20		**0.102**	0.0223	0.617	<0.000478	**0.0508**	<0.000477	0.944	<0.00249	0.155	0.000109 J	0.00699	0.00794	<0.00754	0.0206
	MW-86	Oct-20															

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Appendix B, Table B.3 - Summary of Groundwater Analytical Data - Dissolved Metals

2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Total Metals													
				Analyte	Arsenic	Barium	Boron	Cadmium	Chromium	Cobalt	Iron	Lead	Manganese	Mercury	Nickel	Selenium	Uranium	Vanadium
				CAS	7440-38-2	7440-39-3	7440-42-8	7440-43-9	7440-47-3	7440-48-4	7439-89-6	7439-92-1	7439-96-5	7439-97-6	7440-02-0	7782-49-2	7440-61-1	7440-62-2
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	0.0100	2.00	0.750	0.00500	0.0500	0.0500	1.00	0.0150	0.200	0.00200	0.200	0.0500	0.0300	0.0631
				CGWSL Source	WQCC HH	WQCC HH	WQCCIrr	WQCCIrr	WQCC HH	WQCC HH	WQCC Dom	WQCC HH	WQCC Dom	WQCC HH	WQCCIrr	WQCC HH	WQCC HH	NMED TW
Area	Well ID	Date	Dup															
Evaporation Ponds	MW-87	Apr-22		0.00430	0.0123			<0.00124		0.0295 J	<0.000849	0.0431			<0.000300		
	MW-87	Oct-22															
	MW-87	Mar-23		0.00458	0.0151			<0.00124		0.0502 J	<0.000849	0.0285			0.000384 J		
	MW-87	Oct-23															
	MW-87	Apr-24		0.00441	0.0141			<0.00124		<0.0281	<0.000849	0.0293			0.000498 J		
	MW-87	Oct-24															
	MW-88	Apr-22		0.00661	0.0108			<0.00124		<0.0281	<0.000849	**0.875**			<0.000300		
	MW-88	Oct-22															
	MW-88	Mar-23		0.00823	0.00971			<0.00124		0.0763 JB	<0.000849	**0.913**			<0.000300		
	MW-88	Oct-23															
	MW-88	Apr-24		0.00916	0.0118			<0.00124		0.0933 J	<0.000849	**1.03**			<0.000300		
	MW-88	Oct-24															
	MW-120	Apr-22		0.00461	0.0112			<0.00124		**4.04**	<0.000849	**1.22**			0.00119 J		
	MW-120	Oct-22															
	MW-120	Mar-23		**0.0181**	0.0115			<0.00124		**2.66**	<0.000849	**1.21**			0.00261		
	MW-120	Oct-23															
	MW-120	Apr-24		0.00453	0.0136			<0.00124		0.703	<0.000849	**0.284**			0.000582 J		
	MW-120	Oct-24															
	MW-121	Apr-22		**0.0251**	0.00987			<0.00124		0.0354 J	<0.000849	**1.80**			0.00472		
	MW-121	Oct-22															
	MW-121	Mar-23		**0.0241**	0.0152			<0.00124		0.0902 J	<0.000849	**1.97**			0.00513		
	MW-121	Oct-23															
	MW-121	Apr-24		**0.0228**	0.0108			<0.00124		<0.0281	<0.000849	**1.29**			0.00333		
	MW-121	Oct-24															
	MW-122	Apr-22		0.00158 J	0.0192			<0.00124		0.941	<0.000849	**0.423**			<0.000300		
	MW-122	Oct-22															
	MW-122	Mar-23		0.00211	0.0332			<0.00124		0.697	<0.000849	**1.41**			<0.000300		
	MW-122	Oct-23															
	MW-122	Apr-24		0.00100 J	0.0206			<0.00124		0.362	<0.000849	0.183			<0.000300		
	MW-122	Oct-24															
	MW-123	Apr-22		**0.0171**	0.0317			<0.00124		<0.0281	<0.000849	**3.26**			0.000320 J		
	MW-123	Oct-22															
	MW-123	Mar-23		**0.0172**	0.0290			<0.00124		<0.0281	<0.000849	**3.19 V**			<0.000300		
	MW-123	Oct-23															
	MW-123	Apr-24		**0.0166**	0.0268			<0.00124		0.0492 J	<0.000849	**3.45**			<0.000300		
	MW-123	Oct-24															
	MW-124	Apr-22		0.000872 J	0.0170			<0.00124		**2.29**	<0.000849	**0.553**			<0.000300		
	MW-124	Oct-22															
	MW-124	Mar-23		0.000635 J	0.0164			<0.00124		0.222	<0.000849	**0.298**			<0.000300		
	MW-124	Oct-23															
	MW-124	Apr-24		0.000744 J	0.0163			<0.00124		**1.74**	<0.000849	**0.272**			<0.000300		
	MW-124	Oct-24															
	OCD-1R	Apr-22		0.00215	0.0163			<0.00124		0.114	<0.000849	**0.346**			0.000659 J		
	OCD-1R	Oct-22															
	OCD-1R	Mar-23		**0.0209**	0.0259			<0.00124		**8.02**	<0.000849	**2.98**			0.000329 J		
	OCD-1R	Oct-23															
	OCD-1R	Apr-24		**0.0141**	0.0238			<0.00124		**5.72**	<0.000849	**1.87**			<0.000300		
	OCD-1R	Oct-24															
	OCD-2A	Apr-22		0.00113 J	0.0191			<0.00124		0.866	<0.000849	**0.743**			<0.000300		
	OCD-2A	Oct-22															
	OCD-2A	Mar-23		0.00127 J	0.0240			<0.00124		**1.31**	<0.000849	**0.971**			0.000351 J		
	OCD-2A	Oct-23															
	OCD-2A	Apr-24		0.00207	0.0231			<0.00124		**4.34**	<0.000849	**1.80**			<0.000300		
	OCD-2A	Oct-24															
	OCD-3	Apr-22		0.000735 J	0.0174			<0.00124		<0.0281	<0.000849	0.123			<0.000300		
	OCD-3	Oct-22															
	OCD-3	Mar-23		0.000867 J	0.0224			<0.00124		0.118	<0.000849	**0.365**			<0.000300		
	OCD-3	Oct-23															
	OCD-3	Apr-24		0.000852 J	0.0245			<0.00124		0.400	<0.000849	**0.484**			<0.000300		
	OCD-3	Oct-24															
	OCD-4	Apr-22		0.00128 J	0.0214			<0.00124		0.801	<0.000849	0.0890			<0.000300		
	OCD-4	Oct-22															
	OCD-4	Mar-23		0.00120 J	0.0236			<0.00124		0.468	<0.000849	0.0747			<0.000300		
	OCD-4	Oct-23															
	OCD-4	Apr-24		0.00189 J	0.0207			<0.00620		**1.28**	<0.00424	0.141			<0.00150		
	OCD-4	Oct-24															
	OCD-5	Apr-22		0.00672	0.0204 O1			<0.00124		**1.02**	<0.000849	0.152			<0.000300		
	OCD-5	Oct-22															
	OCD-5	Mar-23		0.00759	0.0235			<0.00124		**1.16**	<0.000849	0.183			<0.000300		
	OCD-5	Oct-23															
	OCD-5	Apr-24		0.00641 J	0.0207			<0.00620		**1.57**	<0.00424	0.195			<0.00150		
	OCD-5	Oct-24															
	OCD-6	Apr-22		0.00553	0.0233			<0.00124		0.224	<0.000849	**2.05**			0.000675 J		
	OCD-6	Oct-22															
	OCD-6	Mar-23		0.00592	0.0230			<0.00124		0.715	<0.00424	**2.30**			0.000795 J		
	OCD-6	Oct-23															
	OCD-6	Apr-24		0.00485	0.0114			<0.00124		0.293	<0.000849	**0.260**			0.00237		
	OCD-6	Oct-24															
	OCD-7AR	Apr-22		**0.0639**	0.0140			<0.00124		**5.05**	<0.000849	**2.87**			0.00120 J		
	OCD-7AR	Oct-22															
	OCD-7AR	Mar-23		**0.0384**	0.0128			<0.00124		0.113	<0.00424	**2.80**			0.00126 J		
	OCD-7AR	Oct-23															
	OCD-7AR	Apr-24		0.00791	0.0228			<0.00124		0.905	<0.000849	**2.11**			0.000745 J		
	OCD-7AR	Oct-24															
	OCD-7B	Apr-17		0.00131 J	0.0195			<0.000540		<0.0150	<0.000240	**0.667**			<0.000380		
	OCD-7B	Apr-19		0.000838 J	0.0163			<0.000540		<0.0150	<0.000240	**0.561**			0.000672 J		
	OCD-7B	Apr-21		0.00122 J	0.0161 J			<0.00124		<0.0281	<0.000849	**0.706**			<0.000300		
	OCD-7B	Mar-23		0.00222	0.0159			<0.00124		**4.26**	<0.000849	**0.702**			<0.000300		
	OCD-8A	Apr-22		**0.0400**	0.0169	**1.04**	<0.000150	<0.00124	0.00274	**2.14**	<0.000849	**2.21**	<0.000100	0.0337	0.00118 J	0.00473	0.00287 JB
	OCD-8A	Oct-22															
	OCD-8A	Mar-23		**0.0290**	0.0174	**0.878**	<0.000150	<0.00124	0.00140 J	**1.02**	<0.00424	**1.19**	<0.000100	0.0328	0.00122 J	0.00471 J	0.000846 J
	OCD-8A	Oct-23															
	OCD-8A	Apr-24		**0.0676 O1**	0.0157 J5	**0.846**	<0.000750	0.0160 J6	0.00144 J	**4.17 O1**	<0.00424	**3.10 V**	<0.00100	0.0225	<0.00150	0.00220 JJ4	<0.00332
	OCD-8A	Oct-24															
	OCD-8B	Apr-17		0.00910	0.0127			<0.000540		0.0155 J	<0.000240	**6.46**			<0.000380		
	OCD-8B	Apr-19		0.00878	0.0133			0.000655 J		<0.0150	0.000266 JB	**6.75 V**			0.00108 J		
	OCD-8B	Apr-21		0.00956	0.0129 J			<0.00124		<0.0281	<0.000849	**6.32**			<0.000300		
	OCD-8B	Mar-23		0.00975	0.0137			<0.00124		0.148	<0.000849	**7.48**			0.000345 J		

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Appendix B, Table B.3 - Summary of Groundwater Analytical Data - Dissolved Metals

2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Total Metals													
				Analyte	Arsenic	Barium	Boron	Cadmium	Chromium	Cobalt	Iron	Lead	Manganese	Mercury	Nickel	Selenium	Uranium	Vanadium
				CAS	7440-38-2	7440-39-3	7440-42-8	7440-43-9	7440-47-3	7440-48-4	7439-89-6	7439-92-1	7439-96-5	7439-97-6	7440-02-0	7782-49-2	7440-61-1	7440-62-2
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	0.0100	2.00	0.750	0.00500	0.0500	0.0500	1.00	0.0150	0.200	0.00200	0.200	0.0500	0.0300	0.0631
				CGWSL Source	WQCC HH	WQCC HH	WQCCIrr	WQCCIrr	WQCC HH	WQCC HH	WQCC Dom	WQCC HH	WQCC Dom	WQCC HH	WQCCIrr	WQCC HH	WQCC HH	NMED TW
Area	Well ID	Date	Dup															
Field East of Refinery	KWB-1A	Oct-22																
	KWB-1A	Mar-23		0.00367	0.00914	0.712	<0.000150	<0.00124 J4	0.00644	0.0355 JB	<0.000849	**0.414**	<0.000100	0.00776	<0.000300	0.0103	0.0197	
	KWB-1A	Oct-23																
	KWB-1A	Apr-24		0.00339	0.00909	0.686	<0.000150	<0.00124	0.00598	0.0481 J	<0.000849	**0.372**	<0.000100 J6(	0.00739 B	<0.000300	0.00823	0.0179	
	KWB-1A	Oct-24																
	KWB-1C	Apr-17		0.00303	0.00839			<0.000540		<0.0150	<0.000240	**0.472**			<0.000380			
	KWB-1C	Apr-19		0.00331	0.00878			0.000616 J		<0.0150	0.000282 J	**0.461**			0.000518 J			
	KWB-1C	Apr-21		0.00315	0.0100 J			<0.00124		<0.0281	<0.000849	**0.400**			<0.000300			
	KWB-1C	Mar-23		0.00374	0.00964			<0.00124 J4		<0.0281	<0.000849	**0.435**			<0.000300			
	KWB-7	Apr-22		0.000458 J	0.0583	0.453	<0.000150	0.00138 J	<0.0000596	0.0382 J	<0.000849	**1.55**	<0.000100	<0.000816	<0.000300	0.000531 J	0.00356 JB	
	KWB-7	Oct-22																
	KWB-7	Mar-23		0.000301 J	0.0644	0.445	<0.000150	<0.00124	<0.0000596	<0.0281	<0.000849	**1.74**	<0.000100	<0.000816	<0.000300	0.000391 J	0.00180 J	
	KWB-7	Oct-23																
	KWB-7	Apr-24		0.000186 J	0.0340	0.442	<0.000150	<0.00124	<0.0000596	0.0284 J	<0.000849	**1.58**	<0.000100	<0.000816	<0.000300	0.000447 J	0.00104 J	
	KWB-7	Oct-24																
	KWB-8	Apr-17		0.000904 J	0.0870	0.600	<0.000160	<0.000540	<0.000260	0.0772 J	0.000556 J	**1.77**	<0.0000490	0.000663 J	<0.000380	<0.000330	0.00112 J	
	KWB-8	Oct-17																
	KWB-8	Oct-20																
	KWB-10R	Apr-17		**0.0115**	**3.39**			<0.000540		0.281	0.000478 J	0.145			<0.000380			
	KWB-10R	Oct-17																
	KWB-10R	Apr-18		**0.0178**	**4.22**			0.00201		**4.73**	0.00295	0.182			<0.000380			
	KWB-10R	Oct-18																
	KWB-11A	Oct-22																
	KWB-11A	Mar-23		0.00589	0.0321	0.384	<0.000150	<0.00124	0.000265 J	**8.53**	<0.000849	**0.975**	<0.000100	0.00105 J	0.000343 J	0.00560	0.00400 J	
	KWB-11A	Oct-23																
	KWB-11A	Apr-24		0.00124 J	0.0247	0.380	<0.000150	<0.00124	0.0000919 J	**8.19**	<0.000849	**0.905**	<0.000100	<0.000816	<0.000300	0.00484	0.00275 J	
	KWB-11A	Oct-24																
	KWB-11B	Apr-22		0.000509 J	0.0119	0.0918 J	<0.000150	0.00353	<0.0000596	0.0300 J	<0.000849	0.00142 J	<0.000100	<0.000816	0.00786	0.00908	0.00491 JB	
	KWB-11B	Oct-22																
	KWB-11B	Mar-23		0.00147 J	0.0145	0.120 J	<0.000150	<0.00124	<0.0000596	<0.0281	<0.000849	0.00220 J	<0.000100	<0.000816	0.00636	0.0145	0.00937	
	KWB-11B	Oct-23																
	KWB-11B	Apr-24		0.00161 J	0.0128	0.133 J	<0.000150	<0.00124	<0.0000596	<0.0281	<0.000849	0.00280 J	<0.000100	<0.000816	0.00491	0.0152	0.00932	
	KWB-11B	Oct-24																
	KWB-12A	Sep-21																
	KWB-12A	Oct-22																
	KWB-12A	Oct-23																
	KWB-12A	Oct-24																
	KWB-12B	Apr-22		0.00166 J	0.00886	0.640	<0.000150	0.00183 JB	0.000112 J	<0.0281	<0.000849	<0.000704	<0.000100	0.000903 JB	0.00255	0.0263	0.0130	
	KWB-12B	Apr-22	FD	0.00169 J	0.00935			<0.00124		<0.0281	<0.000849	<0.000704			0.00248			
	KWB-12B	Oct-22																
	KWB-12B	Oct-22	FD															
	KWB-12B	Mar-23		0.00192 JB	0.0102	0.639	<0.000150	<0.00124 J4	<0.0000596	<0.0281	<0.000849	<0.000704	<0.000100	<0.000816	0.00260	0.0300	0.0148 B	
	KWB-12B	Mar-23	FD	0.00183 JB	0.0103	0.628	<0.000150	<0.00124 J4	<0.0000596	<0.0281	<0.000849	<0.000704	<0.000100	<0.000816	0.00268	0.0293	0.0146 B	
	KWB-12B	Oct-23																
	KWB-12B	Oct-23	FD															
	KWB-12B	Apr-24		0.00179 J	0.0103	0.650	<0.000150	<0.00124	0.000103 J	<0.0281	<0.000849	<0.000704	<0.000100	<0.000816	0.00207	**0.0308**	0.0134	
	KWB-12B	Apr-24	FD	0.00162 J	0.0104	0.696	<0.000150	<0.00124	<0.0000596	<0.0281	<0.000849	<0.000704	<0.000100	<0.000816	0.00193 J	0.0286	0.0132	
	KWB-12B	Oct-24																
	KWB-12B	Oct-24	FD															
	KWB-P4	Apr-17																
	KWB-P4	Apr-19																
	KWB-P4	Apr-21																
	KWB-P4	Mar-23																
	MW-57	Oct-20																
	MW-57	Apr-21		0.00345	0.0226			<0.00124		<0.0281	<0.000849	0.158			0.0143			
	MW-57	Sep-21																
	MW-57	Apr-22		0.00602	0.0148			<0.00124		0.0715 J	<0.000849	**0.500**			0.00952			
	MW-58	Oct-17																
	MW-58	Apr-18		0.00405	1.47	0.517	<0.000160	<0.000540	<0.000260	0.160 B	0.000816 J	**0.219**	<0.0000490	0.000927 J	0.000412 J	<0.000330	0.00108 J	
	MW-58	Oct-18																
	MW-58	Oct-19																
	MW-111	Oct-18																
	MW-111	Apr-19		0.00770	0.205			<0.000540		<0.0150	0.000380 JB	**1.39**			0.000475 J			
	MW-111	Oct-19																
	MW-111	Jun-20		**0.0170**	0.167			<0.00149		**5.34**	<0.00249	**1.62**			<0.000657			
	MW-112	Nov-14																
	MW-113	Apr-22		0.000670 J	0.0353			<0.00124		**1.17**	<0.000849	**1.41**			<0.000300			
	MW-113	Apr-22	FD	0.000770 J	0.0350			<0.00124		**1.13**	<0.000849	**1.36**			<0.000300			
	MW-113	Oct-22																
	MW-113	Oct-22	FD															
	MW-113	Mar-23		0.000375 J	0.0521			<0.00124		0.466	<0.000849	**0.928**			<0.000300			
	MW-113	Mar-23	FD	0.000252 J	0.0500			<0.00124		0.450	<0.000849	**0.897**			0.000560 J			
	MW-113	Oct-23																
	MW-113	Oct-23	FD															
	MW-113	Apr-24		0.000342 J	0.0845			<0.00124		0.212	<0.000849	**0.937**			<0.000300			
	MW-113	Apr-24	FD	0.000422 J	0.0752			<0.00124		0.173	<0.000849	**0.769**			<0.000300			
	MW-113	Oct-24																
	MW-113	Oct-24	FD															
	MW-125	Apr-22		0.00371	0.00942			0.00129 J		<0.0281	<0.000849	**0.411**			0.000765 J			
	MW-125	Oct-22																
	MW-125	Mar-23		0.00348	0.00912	0.450	<0.000150	<0.00124	0.00552	<0.0281	<0.000849	**0.377**	<0.000100	0.00811	0.000817 J	**0.0343**	0.0174	
	MW-125	Oct-23																
	MW-125	Apr-24		0.00348	0.00885	0.417	<0.000150	<0.00124	0.00522	<0.0281	<0.000849	**0.365**	<0.000100	0.00880	0.000403 J	**0.0306**	0.0167	
	MW-125	Oct-24		0.00337		0.416				<0.0281		**0.348**				**0.0313**		
	MW-126A	Apr-19		0.00116 J	0.0167			0.00243		0.0168 J	<0.000240	**0.701**			<0.000380			
	MW-126A	Oct-19																
	MW-126A	Jun-20		0.00101 J	0.0135 J			<0.00149		0.350	<0.00249	**0.620**			<0.000657			
	MW-126A	Oct-20																
	MW-126B	Apr-22		0.00382	0.0107			<0.00124		0.119	<0.000849	0.0590			0.00291			
	MW-126B	Oct-22																
	MW-126B	Mar-23		0.00416	0.00929			<0.00124 J4		<0.0281	<0.000849	0.0538			0.00281			
	MW-126B	Oct-23																
	MW-126B	Apr-24		0.00434	0.0132			0.00184 J		0.898	<0.000849	0.0504			0.00316			
	MW-126B	Oct-24																
	MW-127	Oct-17																
	MW-127	Apr-18		0.00350	0.0793			<0.000540		0.0507 JB	<0.000240	0.108			<0.000380			
	MW-127	Oct-18																
	MW-127	Apr-19		0.00422	0.0905			<0.000540		<0.0150	<0.000240	0.110			0.000503 J			
	MW-128	Oct-17																
	MW-128	Apr-18		**0.0530**	0.0634			<0.000540		**2.60**	0.000403 JB	**1.93**			<0.000380			
	MW-128	Oct-18																
	MW-128	Apr-19		**0.0239**	0.0554			<0.000540		<0.0150	<0.000240	**1.74**			<0.000380			

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Appendix B, Table B.3 - Summary of Groundwater Analytical Data - Dissolved Metals

2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Total Metals													
				Analyte	Arsenic	Barium	Boron	Cadmium	Chromium	Cobalt	Iron	Lead	Manganese	Mercury	Nickel	Selenium	Uranium	Vanadium
				CAS	7440-38-2	7440-39-3	7440-42-8	7440-43-9	7440-47-3	7440-48-4	7439-89-6	7439-92-1	7439-96-5	7439-97-6	7440-02-0	7782-49-2	7440-61-1	7440-62-2
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	0.0100	2.00	0.750	0.00500	0.0500	0.0500	1.00	0.0150	0.200	0.00200	0.200	0.0500	0.0300	0.0631
				CGWSL Source	WQCC HH	WQCC HH	WQCCIrr	WQCCIrr	WQCC HH	WQCC HH	WQCC Dom	WQCC HH	WQCC Dom	WQCC HH	WQCCIrr	WQCC HH	WQCC HH	NMED TW
Area	Well ID	Date	Dup															
Field East of Refinery	MW-129	Apr-15		**0.0279**	0.536			<0.000540		**4.93**	<0.000240	**1.11**			<0.000380		
	MW-129	Oct-15															
	MW-129	Apr-17		**0.0152**	0.585			<0.000540		<0.0150	<0.000240	**1.03**			0.000611 JB		
	MW-129	Apr-18		**0.0244**	0.558			<0.000540		**5.17**	<0.000240	**1.08**			<0.000380		
	MW-130	Apr-22		0.00381	0.0152			<0.00124		0.0540 J	<0.000849	0.101			0.00305		
	MW-130	Oct-22															
	MW-130	Mar-23		0.00375	0.0173			<0.00124		<0.0281	<0.000849	0.0935			0.00289		
	MW-130	Oct-23															
	MW-130	Apr-24		0.00344	0.0158			<0.00124		<0.0281	<0.000849	0.0911			0.00159 J		
	MW-130	Oct-24															
	MW-131	Apr-17		**0.0183**	**2.48**			<0.000540		<0.0150	<0.000240	**0.309**			0.000632 JB		
	MW-131	Oct-17															
	MW-131	Oct-19															
	MW-131	Jun-20		**0.0237**	**2.32**			<0.00149		**1.30**	<0.00249	**0.300**			<0.000657		
	MW-133	Nov-14															
	MW-133	Apr-15		**0.0102**	0.138			<0.000540		**2.59**	0.000513 J	**0.290**			0.00325		
	MW-134	Apr-22		0.00367	0.00894			0.00178 J		<0.0281	<0.000849	0.00782			0.00507		
	MW-134	Apr-22	FD	0.00353	0.00932			<0.00124		<0.0281	<0.000849	0.00713			0.00512		
	MW-134	Oct-22															
	MW-134	Oct-22	FD														
	MW-134	Mar-23		0.00403	0.00986			<0.00124		0.0469 J	<0.000849	0.192			0.00387		
	MW-134	Mar-23	FD	0.00404	0.0100			<0.00124		0.0493 J	<0.000849	0.196			0.00352		
	MW-134	Oct-23															
	MW-134	Oct-23	FD														
	MW-134	Apr-24		0.00399	0.0106	0.719	<0.000150	0.00207	0.000149 J	<0.0281	<0.000849	0.0133	<0.000100	0.00197 J	0.00672	**0.0481 J4**	0.0218
	MW-134	Apr-24	FD	0.00334	0.00869	0.715	<0.000150	<0.00124	0.000118 J	<0.0281	<0.000849	0.0101	<0.000100	0.00224	0.00448	**0.0396**	0.0174
	MW-134	Oct-24															
	MW-134	Oct-24	FD														
	MW-135	Apr-22		0.00281	0.00744			<0.00124		<0.0281	<0.000849	<0.000704			0.0221		
	MW-135	Oct-22															
	MW-135	Mar-23		0.00288	0.00664			<0.00124		<0.0281	<0.000849	<0.000704			0.0231		
	MW-135	Oct-23															
	MW-135	Apr-24		0.00330	0.00793			<0.00124		<0.0281	<0.000849	<0.000704			0.0189		
	MW-135	Oct-24															
	MW-145	Apr-22		0.00361	0.00989			<0.00124		0.0557 J	<0.000849	0.0245			0.00284		
	MW-145	Oct-22															
	MW-145	Mar-23		0.00342	0.00861			<0.00124		<0.0281	0.00113 J	0.0250			0.00243		
	MW-145	Oct-23															
	MW-145	Apr-24		0.00365	0.00918			<0.00124		<0.0281	<0.000849	0.0286			0.00258		
	MW-145	Oct-24															
	MW-146	Apr-22		0.00407	0.00859			0.00155 JB		0.0468 J	<0.000849	<0.000704			0.00674		
	MW-146	Apr-22	FD	0.00400	0.00990			<0.00124		0.0893 J	<0.000849	0.00175 J			0.00645		
	MW-146	Oct-22															
	MW-146	Oct-22	FD														
	MW-146	Mar-23		0.00428	0.00776			<0.00124		<0.0281	<0.000849	0.000794 J			0.00670		
	MW-146	Mar-23	FD	0.00420	0.00804			<0.00124		<0.0281	<0.000849	<0.000704			0.00637		
	MW-146	Oct-23															
	MW-146	Oct-23	FD														
	MW-146	Apr-24		0.00458	0.00917			<0.00124		<0.0281	<0.000849	<0.000704			0.00532		
	MW-146	Apr-24	FD	0.00449	0.00839			<0.00124		<0.0281	<0.000849	0.000737 J			0.00513		
	MW-146	Oct-24															
	MW-146	Oct-24	FD														
	MW-147	Apr-22		0.00256	0.00814			<0.00124		<0.0281	<0.000849	0.00179 J			0.0168		
	MW-147	Oct-22															
	MW-147	Mar-23		0.00262	0.00777			<0.00124		<0.0281	<0.000849	<0.000704			0.0182		
	MW-147	Oct-23															
	MW-147	Apr-24		0.00265	0.00749			<0.00124		<0.0281	<0.000849	<0.000704			0.0130		
	MW-147	Oct-24															
	MW-148	Apr-22		0.00263	0.0108			0.00178 JB		0.0520 J	<0.000849	0.00382 J			0.0100		
	MW-148	Oct-22															
	MW-148	Mar-23		0.00297	0.0102			<0.00124		<0.0281	0.000858 J	0.000780 J			0.0134		
	MW-148	Oct-23															
	MW-148	Apr-24		0.00296	0.00920			<0.00124		<0.0281	0.00139 JB	<0.000704			0.0110		
	MW-148	Oct-24															
	MW-151	Oct-24															
	MW-160	Oct-24															
	MW-161	Oct-24															
	RA-4196	Oct-19															
	RA-4196	Jun-20															
	RA-4196	Oct-20															
	RA-4196	Mar-23															
	RA-4196R	Oct-23															
	RA-4196R	Apr-24															
	RA-4196R	Oct-24															
	RA-4798	Oct-20															
	RA-4798	Apr-21															
	RA-4798	Sep-21															
	RA-4798	Apr-22															
	RW-12R	Apr-17		0.000617 J	0.0410			0.0230		<0.0150	0.000776 J	**0.425**			0.000720 JB		
	RW-12R	Apr-18		<0.00125	0.0341			0.00339 J		<0.0750	<0.00120	**0.760**			<0.00190		
	RW-12R	Apr-19		<0.000250	0.0317 O1			0.00286		<0.0150	0.000497 JB	**1.20 O1V**			<0.000380		
	RW-12R	Jun-20		<0.000735	0.0348			0.0266		<0.0489	<0.00249	**1.41**			<0.000657		
	RW-13R	Apr-18		<0.00125	0.0490			<0.00270		0.352 J	<0.00120	**1.03**			<0.00190		
	RW-13R	Mar-23		0.00117 J	0.188			0.00150 J		0.0316 J	0.00188 J	**0.824**			<0.000300		
	RW-18A	Apr-18		0.00355	0.0118			<0.000540		<0.0150	<0.000240	0.00395 J			0.00389		
	RW-18A	Apr-19		0.00289	0.0116			<0.000540		<0.0150	<0.000240	0.00167 JB			0.00404		
	RW-18A	Jun-20		0.00253	0.0103 J			<0.00149		0.0508 J	<0.00249	0.00789			0.00517		
	RW-18A	Mar-23		0.00268	0.0127	0.581	<0.000150	<0.00124	0.000193 J	<0.0281	<0.000849	0.00355 J	<0.000100	0.00102 J	0.00770	**0.0596**	0.0189
	RW-20	Apr-15		0.00171 J	0.464			<0.000540		0.270	<0.000240	**0.717**			0.00488		
	RW-22	Apr-15		<0.00250	0.802			<0.00540		0.394 J	0.00305 J	**0.886**			0.0326		
NCL	MW-18	Apr-21		0.00270	0.0120 J	**2.32**	<0.000150	<0.00124	0.000105 J	<0.0281	<0.000849	0.0171	<0.000100	0.00237	0.00464	**0.0440**	0.0187
	MW-18	Apr-22		0.00274	0.0117	**2.17**	<0.000150	<0.00124	<0.0000596	<0.0281	<0.000849	0.0178	<0.000100	0.00189 J	0.00410	**0.0433**	0.0190
	MW-18	Mar-23		0.00287	0.0137	**1.82**	<0.000150	<0.00124	0.0000811 J	<0.0281	0.00288	0.00294 J	<0.000100	0.00141 J	0.00486	**0.0405**	0.0176
	MW-18	Apr-24		0.00270	0.0133	**1.50**	<0.000150	<0.00124	0.000125 J	<0.0281	<0.000849	0.0228	<0.000100 I6O	0.00195 J	0.00497	**0.0399**	0.0178
	MW-45	Apr-22		0.00388	0.0127	0.571	<0.000150	<0.00124	0.000303 J	0.876	<0.000849	**0.620**	<0.000100	0.00733 B	0.000368 J	0.000739 J	0.00139 JB
	MW-45	Oct-22															
	MW-45	Mar-23		0.00660	0.0135	0.584	<0.000150	<0.00124	<0.0000596	**4.21**	<0.000849	**0.607**	<0.000100	0.00491	0.000515 J	0.000476 J	<0.000664
	MW-45	Oct-23															
	MW-45	Apr-24		0.00427	0.0119	0.558	<0.000150	<0.00124	0.000171 J	0.902	<0.000849	**0.538**	<0.000100	0.00425	0.000566 J	0.000522 J	0.000909 J
	MW-45	Oct-24															
	MW-53	Apr-15		0.00167 J	0.0212			<0.000540		<0.0150	<0.000240	**0.797**			0.00627		
	MW-53	Apr-17		0.00162 J	0.0210			<0.000540		<0.0150	<0.000240	**1.50**			0.00293		
	MW-53	Apr-18		0.00144 J	0.0197			<0.000540		<0.0150	<0.000240	**0.437**			0.00109 J		
	MW-53	Apr-19		0.00170 J	0.0153			<0.000540		0.0285 JB	<0.000240	**0.380**			0.000569 J		

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Appendix B, Table B.3 - Summary of Groundwater Analytical Data - Dissolved Metals

2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Total Metals													
				Analyte	Arsenic	Barium	Boron	Cadmium	Chromium	Cobalt	Iron	Lead	Manganese	Mercury	Nickel	Selenium	Uranium	Vanadium
				CAS	7440-38-2	7440-39-3	7440-42-8	7440-43-9	7440-47-3	7440-48-4	7439-89-6	7439-92-1	7439-96-5	7439-97-6	7440-02-0	7782-49-2	7440-61-1	7440-62-2
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	0.0100	2.00	0.750	0.00500	0.0500	0.0500	1.00	0.0150	0.200	0.00200	0.200	0.0500	0.0300	0.0631
				CGWSL Source	WQCC HH	WQCC HH	WQCClrr	WQCClrr	WQCC HH	WQCC HH	WQCC Dom	WQCC HH	WQCC Dom	WQCC HH	WQCClrr	WQCC HH	WQCC HH	NMED TW
Area	**Well ID**	**Date**	**Dup**															
NCL	MW-53R	Apr-21		0.00155 J	0.0241			<0.00124		<0.0281	<0.000849	**0.430**			<0.000300		
	MW-53R	Apr-22		0.00179 J	0.0186			<0.00124		<0.0281	<0.000849	**0.455**			<0.000300		
	MW-53R	Mar-23		0.00172 J	0.0177			<0.00124		0.0985 JB	<0.000849	**0.374**			0.000312 J		
	MW-53R	Apr-24		0.00142 J	0.0163			<0.00124		<0.0281	<0.000849	**0.393**			0.000439 J		
	MW-54A	Apr-22		0.00414	0.0158			<0.00124		0.0670 J	<0.000849	**0.784**			0.000356 J		
	MW-54A	Oct-22															
	MW-54A	Mar-23		0.00259	0.0151			<0.00124		<0.0281	<0.000849	**0.576**			0.00102 J		
	MW-54A	Oct-23															
	MW-54A	Apr-24		0.00387	0.0149			<0.00124		0.0428 J	<0.000849	**0.923**			<0.000300		
	MW-54A	Oct-24															
	MW-54B	Apr-17		0.00173 J	0.0168			<0.000540		<0.0150	<0.000240	**0.246**			0.000795 J		
	MW-54B	Apr-19		0.00210	0.0158			<0.000540		<0.0150	0.000281 JB	**0.211**			0.000505 J		
	MW-54B	Apr-21		0.00185 J	0.0171 J			0.00150 J		<0.0281	<0.000849	**0.512**			0.000332 J		
	MW-54B	Mar-23		0.00175 J	0.0230			<0.00124		<0.0281	<0.000849	**1.15**			0.000985 J		
	MW-55	Apr-22		0.00679	0.0158	0.555	0.000499 J	<0.00124	0.000849 J	<0.0281	<0.000849	**0.206**	<0.000100	0.00603	0.00174 J	0.0188	0.0182
	MW-55	Oct-22															
	MW-55	Mar-23		0.00635	0.0152	0.549	<0.000150	<0.00124	0.000320 J	<0.0281	<0.000849	**0.211**	<0.000100	0.00627	0.00136 J	0.0198	0.0173
	MW-55	Oct-23															
	MW-55	Apr-24		0.00567	0.0127	0.587	<0.000150	<0.00124	0.000298 J	<0.0281	<0.000849	0.176	<0.000100	0.00452	0.000960 J	0.0166	0.0151
	MW-55	Oct-24		0.00523		0.543				<0.0281		**0.249**				0.0187	
	MW-56	Apr-22		0.00541	0.00912			0.00155 J		<0.0281	<0.000849	**0.207**			0.00135 J		
	MW-56	Mar-23		0.00483	0.00966	0.174 J	<0.000150	<0.00124	0.00428	<0.0281	<0.000849	0.167	<0.000100	0.00575	0.00367	0.00821	0.0191
	MW-56	Apr-24		0.00477	0.00978	0.161 J	<0.000150	<0.00124	0.00388	<0.0281	<0.000849	0.147	<0.000100	0.00430	0.00373	0.00790	0.0170
	MW-56	Oct-24		0.00533		0.167 J				<0.0281		0.145				0.0101	
	MW-108	Apr-22		0.000635 J	0.0451			<0.00124		<0.0281	<0.000849	0.0409			<0.000300		
	MW-108	Oct-22															
	MW-108	Mar-23		0.00110 J	0.0467			0.00143 J		<0.0281	<0.000849	0.0379			<0.000300		
	MW-108	Oct-23															
	MW-108	Apr-24		0.000316 J	0.0379			<0.00124		<0.0281	<0.000849	0.0450			<0.000300		
	MW-108	Oct-24															
	NCL-31	Apr-22		**0.0115**	0.0153			<0.00124		0.503	0.00224	**1.56**			0.000671 J		
	NCL-31	Oct-22															
	NCL-31	Mar-23		0.00781	0.0159			<0.00124		0.210 B	<0.000849	**1.49**			<0.000300		
	NCL-31	Oct-23															
	NCL-31	Apr-24		**0.0128**	0.0176			<0.00124		0.369	<0.000849	**1.37**			<0.000300		
	NCL-31	Oct-24															
	NCL-32	Apr-22		0.00284	0.0159			<0.00124		<0.0281	<0.000849	**1.35**			0.00279		
	NCL-32	Oct-22															
	NCL-32	Mar-23		0.00258	0.0160			0.00148 J		<0.0281	0.00111 J	**1.83**			0.00115 J		
	NCL-32	Oct-23															
	NCL-32	Apr-24		0.00242	0.0156			<0.00124		<0.0281	<0.000849	**2.05**			0.00234		
	NCL-32	Oct-24															
	NCL-33	Apr-22		0.00575	0.0199			<0.00124		**2.85**	<0.000849	0.157			0.00128 J		
	NCL-33	Oct-22															
	NCL-33	Mar-23		0.00463	0.0183			0.00131 J		0.506 B	<0.000849	0.147			0.00129 J		
	NCL-33	Oct-23															
	NCL-33	Apr-24		0.00666	0.0185			<0.00124		**3.47**	<0.000849	0.130			0.00122 J		
	NCL-33	Oct-24															
	NCL-34A	Oct-18															
	NCL-34A	Apr-19		0.000603 J	0.947			<0.000540		<0.0150	<0.000240	0.0159			<0.000380		
	NCL-34A	Oct-19															
	NCL-34A	Jun-20		<0.000735	0.229			<0.00149		<0.0489	<0.00249	0.0415			<0.000657		
	NCL-44	Apr-22		**0.0168**	0.0180			<0.00124		0.660	<0.000849	**0.794**			<0.000300		
	NCL-44	Oct-22															
	NCL-44	Mar-23		0.00691	0.0165			<0.00124		0.319 B	<0.000849	**0.702**			<0.000300		
	NCL-44	Oct-23															
	NCL-44	Apr-24		0.00754	0.0165			<0.00124		0.408	<0.000849	**0.714**			<0.000300		
	NCL-44	Oct-24															
	NCL-49	Apr-22		0.00149 J	0.0121			<0.00124		0.0413 J	<0.000849	0.00126 J			0.0103		
	NCL-49	Apr-22	FD	0.00146 J	0.0113			<0.00124		<0.0281	<0.000849	<0.000704			0.0108		
	NCL-49	Oct-22															
	NCL-49	Oct-22	FD														
	NCL-49	Mar-23		0.00141 J	0.0126			<0.00124		<0.0281	<0.000849	<0.000704			0.0145		
	NCL-49	Mar-23	FD	0.00154 J	0.0134			<0.00124		<0.0281	<0.000849	<0.000704			0.0162		
	NCL-49	Oct-23															
	NCL-49	Oct-23	FD														
	NCL-49	Apr-24		0.00131 J	0.0117			<0.00124		<0.0281	<0.000849	<0.000704			0.0101		
	NCL-49	Apr-24	FD	0.00135 J	0.0122			<0.00124		<0.0281	<0.000849	<0.000704			0.0106		
	NCL-49	Oct-24															
	NCL-49	Oct-24	FD														
North Refinery	MW-23	Apr-19		0.00417	**7.78**			<0.000540		<0.0150	0.000775 J	0.0646			0.000900 J		
	MW-23	Oct-19															
	MW-23	Jun-20		0.00639	**9.73**			<0.00149		<0.0489	<0.00249	0.0725			<0.000657		
	MW-23	Oct-20															
	MW-29	Apr-22		0.00923	0.0189			<0.00124		0.373	<0.000849	**0.381**			0.00397		
	MW-29	Oct-22															
	MW-29	Mar-23		**0.0344**	0.0198	**0.830**	<0.000150	<0.00124	0.000855 J	**10.9**	<0.000849	**0.773**	<0.000100	0.00689	0.00205	0.00878	0.00679
	MW-29	Oct-23															
	MW-29	Apr-24		**0.0210**	0.0210	**0.791**	<0.000150	<0.00124	0.00409	**1.48**	<0.000849	**0.270**	<0.000100	0.0138	0.00315	0.00824	0.00653
	MW-39	Apr-19		0.00759	0.0118			<0.000540		<0.0150	<0.000240	0.0227			0.000391 J		
	MW-39	Oct-19															
	MW-39	Jun-20		0.00754	0.0141 J			<0.00149		<0.0489	<0.00249	0.0417			<0.000657		
	MW-39	Oct-20															
	MW-40	Apr-17		0.00103 J	0.0255			<0.000540		<0.0150	<0.000240	0.0249			<0.000380		
	MW-40	Apr-18		0.00213	0.0247			0.0314		0.143	0.00213	0.0190			0.00164 J		
	MW-40	Apr-19		0.000780 J	0.0199			<0.000540		<0.0150	<0.000240	0.0133			<0.000380		
	MW-40	Jun-20		<0.000735	0.0204			<0.00149		<0.0489	<0.00249	0.0260			<0.000657		
	MW-41	Apr-18		0.00774	0.0206			0.00773		0.0416 J	0.000558 J	**0.996**			0.000464 J		
	MW-41	Apr-19		0.00703	0.0275			<0.000540		<0.0150	0.000393 JB	**0.819**			<0.000380		
	MW-41	Jun-20		**0.0101**	0.0175 J			<0.00149		<0.0489	<0.00249	**0.838**			<0.000657		
	MW-41	Apr-21		**0.0207**	0.0219			<0.00124		0.0325 J	<0.000849	**0.748**			0.000712 J		
	MW-42	Apr-19		0.00472	0.0201			<0.000540		<0.0150	<0.000240	0.104			<0.000380		
	MW-42	Jun-20		0.00551	0.0189 J			<0.00149		<0.0489	<0.00249	0.156			<0.000657		
	MW-42	Apr-21		0.00879	0.0186 J			<0.00124		0.0415 J	<0.000849	**0.340**			<0.000300		
	MW-42	Apr-22		0.00753	0.0194			<0.00124		0.247	<0.000849	0.195			0.000334 J		
	MW-43	Apr-19		0.00728	0.435	**1.11**	<0.000160	<0.000540	<0.000260	<0.0150	0.000341 J	0.159	<0.0000490	0.00605	0.000682 J	<0.000330	0.000959 J
	MW-43	Oct-19															
	MW-43	Jun-20		0.00613	0.413	**0.790**	<0.000478	<0.00149	<0.000477	<0.0489	<0.00249	**0.297**	<0.000100	0.00507	<0.000657	<0.00754	0.00336 J
	MW-43	Oct-20															
	MW-59	Apr-17		**0.0260**	0.0210			<0.000540		0.0343 J	<0.000240	**0.468**			0.000557 JB		
	MW-59	Apr-18		**0.0223**	0.0246			<0.000540		0.0876 JB	0.000405 JB	**0.427**			<0.000380		
	MW-59	Apr-19		**0.0215**	0.0190			<0.000540		<0.0150	<0.000240	**0.374**			<0.000380		
	MW-59	Jun-20		**0.0357**	0.0178 J			<0.00149		0.0695 J	<0.00249	**0.364**			<0.000657		

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2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Total Metals													
				Analyte	Arsenic	Barium	Boron	Cadmium	Chromium	Cobalt	Iron	Lead	Manganese	Mercury	Nickel	Selenium	Uranium	Vanadium
				CAS	7440-38-2	7440-39-3	7440-42-8	7440-43-9	7440-47-3	7440-48-4	7439-89-6	7439-92-1	7439-96-5	7439-97-6	7440-02-0	7782-49-2	7440-61-1	7440-62-2
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	0.0100	2.00	0.750	0.00500	0.0500	0.0500	1.00	0.0150	0.200	0.00200	0.200	0.0500	0.0300	0.0631
				CGWSL Source	WQCC HH	WQCC HH	WQCClrr	WQCClrr	WQCC HH	WQCC HH	WQCC Dom	WQCC HH	WQCC Dom	WQCC HH	WQCClrr	WQCC HH	WQCC HH	NMED TW
Area	Well ID	Date	Dup															
North Refinery	MW-60	Jun-20		0.00557	0.0188 J	0.454	<0.000478	<0.00149	<0.000477	<0.0489	<0.00249	**0.240**	<0.000100 J6	0.00164 J	<0.000657	<0.00754	<0.000986
	MW-60	Jun-20	FD	0.00547	0.0186 J	0.448	<0.000478	<0.00149	<0.000477	<0.0489	<0.00249	**0.241**	<0.000100	0.00123 J	<0.000657	<0.00754	<0.000986
	MW-60	Oct-20															
	MW-60	Oct-20	FD														
	MW-61	Apr-22		0.00281	0.0531			0.00253		<0.0281	0.00372	0.0270			<0.000300		
	MW-61	Oct-22															
	MW-61	Mar-23		0.00270 B	0.0900			<0.00124 J4		0.0726 JB	<0.000849	**0.867**			0.000504 J		
	MW-61	Oct-23															
	MW-61	Apr-24		0.00212	0.0451			<0.00124		<0.0281	0.00338	0.0321			<0.000300		
	MW-61	Oct-24															
	MW-62	Oct-20															
	MW-62	Sep-21															
	MW-62	Apr-22		**0.0543**	0.0386			0.00129 J		0.0360 J	<0.000849	0.00600			0.000409 J		
	MW-62	Oct-22															
	MW-62R	Apr-21		**0.0593**	**3.66**			<0.00124		0.0788 J	<0.000849	**0.232**			<0.000300		
	MW-62R	Apr-22		**0.0941**	0.793			<0.00124		<0.0281	<0.000849	0.00696			<0.000300		
	MW-62R	Mar-23		0.00231 B	0.0475			<0.00124 J4		<0.0281	0.00244	0.0302			0.000302 J		
	MW-62R	Apr-24		0.00750	0.941			<0.00124		<0.0281	<0.000849	0.00875			0.000376 J		
	MW-67	Oct-17															
	MW-67	Apr-18		0.00676	0.0921	0.470	<0.000160	0.000938 J	<0.000260	<0.0150	0.000391 J	0.0930	<0.0000490	0.000912 J	<0.000380	<0.000330	0.000590 J
	MW-67	Oct-18															
	MW-67	Apr-19		0.00778	0.0907	0.408	<0.000160	0.000857 J	<0.000260	<0.0150	0.000639 J	0.0930	<0.0000490	0.00233	<0.000380	<0.000330	0.000472 J
	MW-90	Apr-22		0.00577	0.0255			0.00128 J		0.0389 J	<0.000849	0.0451			0.000568 J		
	MW-90	Oct-22															
	MW-90	Mar-23		0.00486	0.0195			<0.00124		<0.0281	<0.000849	0.0630			0.000579 J		
	MW-90	Oct-23															
	MW-90	Apr-24		0.00596	0.0173			<0.00124		<0.0281	<0.000849	0.159			0.000494 J		
	MW-90	Oct-24															
	MW-91	Oct-18															
	MW-91	Apr-19		0.00427	0.0470			0.000589 J		<0.0150	0.00196 J	0.00753			0.0188		
	MW-91	Oct-19															
	MW-91	Jun-20		0.00555	0.0603			<0.00149		<0.0489	0.00498 J	0.00244 J			<0.000657		
	MW-93	Apr-17		0.00375	0.0210			0.00235		0.0197 J	0.000486 J	0.0255			0.0145		
	MW-93	Apr-18		0.00554	0.0288			0.00278		<0.0150	0.000746 JB	0.0282			0.00375		
	MW-93	Apr-19		0.00774	0.0326			0.00134 J		<0.0150	0.000308 J	0.0551			0.00347		
	MW-93	Jun-20		0.00919	0.0340			0.00291		<0.0489	<0.00249	**0.213**			0.00299		
	MW-94	Nov-14															
	MW-94	Oct-15															
	MW-94	Apr-17		**0.0106**	0.771			0.00124 J		<0.0150	0.000343 J	0.00235 J			0.00973		
	MW-95	Apr-17		0.00162 J	0.0592			<0.000540		<0.0150	0.000323 J	0.0285			0.00164 J		
	MW-95	Apr-18		0.00135 J	0.0690			<0.000540		<0.0150	<0.000240	0.0559			0.000786 J		
	MW-95	Apr-19		0.00113 J	0.0570			0.000653 J		<0.0150	<0.000240	0.0902			0.000845 J		
	MW-95	Jun-20		0.00135 J	0.0434			<0.00149		<0.0489	<0.00249	0.151			0.000657 J		
	MW-96	Apr-22		0.00208	0.279			<0.00124		<0.0281	<0.000849	0.00152 J			0.000351 J		
	MW-96	Oct-22															
	MW-96	Mar-23		0.00178 J	0.326			<0.00124		0.180 B	<0.000849	0.00269 J			0.000490 J		
	MW-96	Oct-23															
	MW-96	Apr-24		0.00152 J	0.180			<0.00124		<0.0281	<0.000849	0.000724 J			0.000371 J		
	MW-96	Oct-24															
	MW-98	Apr-22		0.00142 J	0.0159			0.00185 JB		<0.0281	0.00501	0.0127			0.000321 J		
	MW-98	Oct-22															
	MW-98	Mar-23		0.000773 J	0.0158			<0.00124		<0.0281	0.00489	0.0127			0.000956 J		
	MW-98	Oct-23															
	MW-98	Apr-24		0.000532 J	0.0148			<0.00124		<0.0281	0.00354	0.00990			<0.000300		
	MW-98	Oct-24															
	MW-137	Oct-17															
	MW-137	Apr-18		**0.0491**	0.0727	**0.973**	<0.000160	<0.000540	<0.000260	<0.0150	0.00404	0.147	<0.000490	0.0110	0.00248	<0.000330	0.00694
	MW-137	Oct-18															
	MW-137	Apr-19		**0.0453**	0.0818	**0.971**	<0.000160	<0.000540	<0.000260	<0.0150	0.00243	0.145	<0.0000490	0.0125	0.000905 J	<0.000330	0.00708
	MW-138	Oct-17															
	MW-138	Apr-18		0.00517	0.133	**0.955**	<0.000160	<0.000540	<0.000260	<0.0150	<0.000240	0.111	<0.0000490	0.00593	<0.000380	<0.000330	0.00128 J
	MW-138	Oct-18															
	MW-138	Apr-19		0.00428	0.121	**0.878**	<0.000160	<0.000540	<0.000260	<0.0150	<0.000240	0.124	<0.0000490	0.00524	0.000668 J	<0.000330	0.000806 J
	MW-157	Oct-24															
	RW-1	Apr-15		0.00426	0.0301			0.00131 J		0.0744 J	0.000323 J	0.118			0.00136 J		
	RW-1	Apr-17		**0.0234**	0.0229			0.00338		0.184	<0.000240	**0.218**			0.00286		
	RW-1	Apr-18		0.00532	0.0308			0.000552 J		0.0584 J	0.000322 J	0.0124			0.00122 J		
	RW-1	Apr-19		0.00919	0.0308			0.00100 J		<0.0150	0.000281 J	0.00768			0.00148 J		
	RW-2	Apr-15		**0.0194**	0.0174			0.00494		0.0471 J	0.000546 J	**0.285**			0.00133 J		
	RW-2	Apr-17		0.00230	0.0530			0.00131 J		0.0200 J	0.000647 J	0.0157			0.0364		
	RW-2	Apr-18		0.00314	0.131			0.000882 J		<0.0150	0.000739 JB	0.0203			0.000515 J		
	RW-2	Mar-23		**0.0502**	0.354			<0.00124 J4		<0.0281	<0.000849	0.0103			<0.000300		
	RW-7	Apr-17		0.00273	0.0191			<0.000540		0.0228 J	<0.000240	**1.12**			0.00142 J		
	RW-7	Apr-18		0.00798	0.138			0.00243 B		0.0450 J	<0.000240	0.0650			0.000791 J		
	RW-7	Apr-19		**0.0145**	0.120			0.00172 J		0.0780 J	<0.000240	0.161			<0.000380		
	RW-7	Jun-20		0.00695	0.174			<0.00149		<0.0489	<0.00249	0.113			<0.000657		
	RW-8	Apr-15		0.00521	0.0797			<0.000540		0.163	0.000591 J	0.0744			<0.000380		
	RW-8	Apr-17		**0.0346**	0.0661			<0.000540		**2.13**	<0.000240	**1.14**			<0.000380		
	RW-9	Apr-21		0.00464	0.0342			<0.00124		<0.0281	<0.000849	**0.327**			<0.000300		
	RW-9	Apr-22		0.00487	0.0310			<0.00124		<0.0281	<0.000849	**0.311**			0.000330 J		
	RW-9	Mar-23		0.00478	0.0365			0.00159 J		<0.0281	<0.000849	**0.301**			0.00128 J		
	RW-9	Apr-24		0.00499	0.0398			<0.00124		<0.0281	<0.000849	**0.223**			0.000356 J		
	RW-10	Apr-18		0.00191 J	0.0220			<0.000540		<0.0150	0.000521 J	0.181			<0.000380		
	RW-10	Apr-19		0.00140 J	0.0176			<0.000540		<0.0150	<0.000240	0.175			<0.000380		
	RW-10	Jun-20		0.00387	0.0192 J			<0.00149		<0.0489	<0.00249	0.175			<0.000657		
	RW-10	Apr-21		0.00529	0.0208			<0.00124		<0.0281	<0.000849	0.142			<0.000300		
	RW-16B	Apr-18		0.00858	0.0130			0.000761 JB		<0.0150	<0.000240	0.194			0.00691		
	RW-16B	Apr-19		**0.0126**	0.0153			<0.000540		<0.0150	0.000673 JB	**0.458**			0.00910		
	RW-16B	Jun-20		**0.0242**	0.0195 J			<0.00149		0.100	<0.00249	0.0546			**0.0777**		
	RW-16B	Mar-23		**0.0245**	0.0281			0.00155 J		0.0290 JB	0.000964 J	**0.768**			0.00576		
	RW-17A	Apr-18		**0.0102**	0.0217			0.000940 J		<0.0150	0.00688	**0.748**			0.00305		
	RW-17A	Apr-19		**0.0150**	0.0225			0.00152 J		<0.0150	0.00301	**0.810**			<0.000380		
	RW-17A	Jun-20		**0.0156**	0.0199 J			0.00187 J		<0.0489	0.00270 J	0.118			0.0157		
	RW-17A	Mar-23		0.00779	0.0223			<0.00124		<0.0281	0.00819	**1.72**			0.00477		

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Appendix B, Table B.3 - Summary of Groundwater Analytical Data - Dissolved Metals

2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Total Metals													
				Analyte	Arsenic	Barium	Boron	Cadmium	Chromium	Cobalt	Iron	Lead	Manganese	Mercury	Nickel	Selenium	Uranium	Vanadium
				CAS	7440-38-2	7440-39-3	7440-42-8	7440-43-9	7440-47-3	7440-48-4	7439-89-6	7439-92-1	7439-96-5	7439-97-6	7440-02-0	7782-49-2	7440-61-1	7440-62-2
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	0.0100	2.00	0.750	0.00500	0.0500	0.0500	1.00	0.0150	0.200	0.00200	0.200	0.0500	0.0300	0.0631
				CGWSL Source	WQCC HH	WQCC HH	WQCCIrr	WQCCIrr	WQCC HH	WQCC HH	WQCC Dom	WQCC HH	WQCC Dom	WQCC HH	WQCCIrr	WQCC HH	WQCC HH	NMED TW
Area	Well ID	Date	Dup															
North RO Field	MW-117	Apr-22		0.00353	0.00961			<0.00124		<0.0281	<0.000849	0.00305 J			0.00676			
	MW-117	Oct-22																
	MW-117	Mar-23		0.00298	0.0105	0.332	<0.000150	<0.00124	0.000929 J	<0.0281	<0.000849	0.00403 J	<0.000100 J6	0.00386	0.00471	0.0114	0.0162	
	MW-117	Oct-23																
	MW-117	Apr-24		0.00277	0.0102	0.404	<0.000150	<0.00124	0.00120 J	<0.0281	<0.000849	0.00595	<0.000100	0.00380	0.00426	0.0108	0.0130	
	MW-117	Oct-24		0.00314		0.452				<0.0281		0.00588				0.0121		
	MW-118	Apr-22		0.00614	0.00971			<0.00124		0.0339 J	<0.000849	<0.000704			0.0137			
	MW-118	Oct-22																
	MW-118	Mar-23		0.00622	0.0144	0.648	<0.000150	<0.00124	0.000206 J	0.0528 J	<0.000849	0.0526	<0.000100	0.00258	0.0115	**0.0506**	0.0325	
	MW-118	Oct-23																
	MW-118	Apr-24		0.00585	0.00976	0.725	<0.000150	<0.00124	0.0000810 J	<0.0281	<0.000849	<0.000704	<0.000100	0.00153 JB	0.0167	**0.0466**	0.0327	
	MW-118	Oct-24		0.00542		**0.758**				<0.0281		0.000778 J				**0.0507**		
	MW-119	Apr-22		0.00393	0.00896			<0.00124		<0.0281	<0.000849	0.00231 J			0.00532			
	MW-119	Oct-22																
	MW-119	Mar-23		0.00423	0.00937	0.507	<0.000150	<0.00124 J4	0.0000884 J	<0.0281	<0.000849	0.00280 J	<0.000100	0.00136 J	0.00510	**0.0480 O1**	0.0203	
	MW-119	Oct-23																
	MW-119	Apr-24		0.00390	0.00834	0.490	<0.000150	<0.00124	0.000116 J	<0.0281	<0.000849	0.00279 J	<0.000100	0.00112 JB	0.00431	**0.0421**	0.0169	
	MW-119	Oct-24		0.00438		0.486				<0.0281		0.00149 J				**0.0454**		
	MW-140	Mar-23		0.00335	0.0126	0.561	<0.000150	0.00132 J	0.000179 J	<0.0281	<0.000849	0.0186	<0.000100	0.00698	0.00541	**0.0403**	0.0148	
	MW-140	Oct-23																
	MW-140	Apr-24		0.00345	0.0132	0.595	<0.000150	0.00134 J	0.000256 J	<0.0281	<0.000849	0.0220	<0.000100	0.00189 J	0.00826	**0.0403 J4**	0.0160	
	MW-140	Oct-24		0.00270		0.588				<0.0281		0.0476				**0.0345**		
	MW-141	Mar-23		0.00246	0.0107	0.217	<0.000150	<0.00124	0.000332 J	<0.0281	<0.000849	0.00247 J	<0.000100	0.00141 J	0.00337	0.0240	0.0134	
	MW-141	Oct-23																
	MW-141	Apr-24		0.00230	0.0112	0.206	<0.000150	<0.00124	0.000387 J	<0.0281	<0.000849	0.00562	<0.000100	<0.000816	0.00500	0.0272 J4	0.0135	
	MW-141	Oct-24		0.00182 J		0.210				<0.0281		0.00654				0.0227		
	MW-142	Mar-23		0.00380	0.00958	0.450	<0.000150	<0.00124	0.000136 J	<0.0281	<0.000849	0.0209	<0.000100	0.00286	0.00500	**0.0460**	0.0209	
	MW-142	Oct-23																
	MW-142	Apr-24		0.00373	0.00950	0.446	<0.000150	<0.00124	0.000168 J	<0.0281	<0.000849	0.0213	<0.000100	0.00321	0.00542	**0.0399**	0.0209	
	MW-142	Oct-24		0.00330		0.453				0.0390 J		0.0223				**0.0420**		
	MW-143	Mar-23		0.00391	0.00826	**0.847**	<0.000150	<0.00124	0.000654 J	<0.0281	<0.000849	0.0225	<0.000100	0.00371	0.00133 J	**0.0490**	0.0224	
	MW-143	Oct-23																
	MW-143	Apr-24		0.00407	0.00846	**0.777**	<0.000150	0.00162 J	0.000730 J	**1.15**	<0.000849	0.0248	<0.000100	0.00536	0.000942 J	**0.0451**	0.0240	
	MW-143	Oct-24		0.00378		**0.767**				0.0340 J		0.0749				**0.0469**		
	MW-162	Oct-24		0.00299		0.680				<0.0281		0.0354				**0.0393**		
South Refinery	KWB-2R	Oct-19																
	KWB-2R	Mar-23		0.00271 B	0.0440			<0.00124 J4		0.178 B	0.00120 J	**0.625**			<0.000300			
	KWB-2R	Oct-23																
	KWB-2R	Apr-24		0.00247	0.0242			<0.00124		0.272	<0.000849	**0.659**			<0.000300			
	KWB-5	Oct-17																
	KWB-5	Apr-18		**0.0152**	**3.15**			0.00359		**1.89**	<0.000240	**1.14**			<0.000380			
	KWB-5	Oct-18																
	KWB-5	Apr-19		**0.0197**	**3.24**			<0.000540		0.0820 J	0.00106 J	**1.57**			<0.000380			
	KWB-6	Apr-17		0.00449	0.140			<0.000540		<0.0150	<0.000240	**1.98**			0.000450 J			
	KWB-6	Oct-17																
	KWB-6	Apr-18		0.00437	0.0911			<0.000540		0.103	0.000429 J	**1.51**			<0.000380			
	KWB-6	Oct-18																
	MW-28	Apr-19		0.00520	0.0488	**1.43**	<0.000160	<0.000540	<0.000260	<0.0150	0.00181 J	0.0672	<0.0000490	0.00359	0.000720 J	<0.000330	0.00104 J	
	MW-28	Oct-19																
	MW-28	Jun-20		0.00684	0.0421	**1.35**	<0.000478	<0.00149	<0.000477	0.0711 J	<0.00249	**0.743**	<0.000100	0.00559	<0.000657	<0.00754	0.00388 J	
	MW-28	Oct-20																
	MW-48	Apr-18		0.00747	1.97			<0.000540		<0.0150	0.000847 J	0.154			0.000669 J			
	MW-48	Oct-18																
	MW-48	Apr-19		0.00380	1.04			<0.000540		<0.0150	0.000304 J	**0.407**			0.000451 J			
	MW-48	Oct-19																
	MW-50	Apr-22		0.00327	0.0111			<0.00124		0.101	<0.000849	**0.516**			0.0135			
	MW-50	Oct-22																
	MW-50	Mar-23		0.00370	0.0130			<0.00124		0.0966 JB	<0.000849	**0.685**			0.0325			
	MW-50	Oct-23																
	MW-50	Apr-24		0.00321	0.0123			<0.00124		<0.0281	<0.000849	**0.295 V**			0.0232			
	MW-50	Oct-24																
	MW-52	Apr-22		0.00365	0.0110	**0.771**	<0.000150	<0.00124	0.000885 J	<0.0281	<0.000849	0.0703	<0.000100	0.0444	0.00316	0.00941	0.0280	
	MW-52	Oct-22																
	MW-52	Mar-23		0.00375	0.0122	**0.759**	<0.000150	<0.00124	0.000934 J	<0.0281	<0.000849	0.0685	<0.000100	0.0356	0.00332	0.0120	0.0257	
	MW-52	Oct-23																
	MW-52	Apr-24		0.00414	0.0125	**0.763**	<0.000150	<0.00124	0.00103 J	<0.0281	<0.000849	0.0645	<0.00100	0.0284	0.00183 J	0.00971 J4	0.0287	
	MW-52	Oct-24																
	MW-64	Apr-22		**0.0252**	**2.29**			<0.00124		<0.0281	0.000880 J	0.0616			<0.000300			
	MW-64	Oct-22																
	MW-64	Mar-23		**0.0249**	**2.37**			<0.00124 J4		<0.0281	<0.000849	0.0573			0.000436 J			
	MW-64	Oct-23																
	MW-64	Apr-24		**0.0264**	2.00			<0.00124		<0.0281	<0.000849	0.0459			0.000607 J			
	MW-64	Oct-24																
	MW-65	Oct-19																
	MW-65	Mar-23		**0.0475**	1.43			<0.00124		0.0486 J	<0.000849	**0.522**			0.000726 J			
	MW-65	Oct-23																
	MW-65	Apr-24		0.00601	1.69			<0.00124		0.684	<0.000849	**0.352**			<0.000300			
	MW-66	Oct-19																
	MW-66	Jun-20		0.00213	1.92	0.263	<0.000478	<0.00149	<0.000477	0.615	<0.00249	**0.303**	<0.000100	0.00624	<0.000657	<0.00754	0.00117 J	
	MW-66	Oct-20																
	MW-66	Apr-21		0.00298	**2.09**	0.306	<0.000150	<0.00124	0.000148 J	0.0670 J	0.00119 JB	**0.361**	<0.000100	0.0115	<0.000300	<0.0000700	0.000757 J	
	MW-99	Oct-18																
	MW-99	Apr-19		0.00720	0.375 V			<0.000540		<0.0150	<0.000240	**0.219 V**			<0.000380			
	MW-99	Oct-19																
	MW-99	Jun-20		0.00295	0.207			0.00258		0.169	<0.00249	**0.227**			0.000815 J			
	MW-101	Apr-22		0.00357	0.120			<0.00124		0.0855 JB	<0.000849	**0.634**			<0.000300			
	MW-101	Oct-22																
	MW-101	Mar-23		0.00867	0.191			<0.00124 J4		<0.0281	<0.000849	**0.474**			<0.000300			
	MW-101	Oct-23																
	MW-101	Apr-24		**0.0306**	0.0664			<0.00124		**1.14**	<0.000849	**0.711**			<0.000300			
	MW-101	Oct-24																
	MW-102	Apr-22		**0.0164**	**2.52**			0.00157 J		0.0893 J	0.00360	0.0464			<0.000300			
	MW-102	Apr-22	FD	**0.0159**	**2.52**			<0.00124		<0.0281	0.00372	0.0447			<0.000300			
	MW-102	Oct-22																
	MW-102	Oct-22	FD															
	MW-102	Mar-23		**0.0153**	0.316			<0.00124		<0.0281	0.00269	0.0179			0.00127 J			
	MW-102	Mar-23	FD	**0.0146**	0.293			0.00136 J		<0.0281	0.00305	0.0172			0.00123 J			
	MW-102	Oct-23																
	MW-102	Oct-23	FD															
	MW-102	Apr-24		**0.0103**	1.52			<0.00124		0.0745 J	0.00324	0.0239			<0.000300			
	MW-102	Apr-24	FD	**0.0109**	1.57			<0.00124		0.0534 J	0.00362	0.0256			<0.000300			
	MW-102	Oct-24																
	MW-102	Oct-24	FD															
	MW-103	Apr-21		0.00115 J	1.32			<0.00124		0.0758 J	0.00104 J	0.0273 B			<0.000300			
	MW-103	Apr-22		0.00218	1.67			0.00143 J		0.0343 J	0.000864 J	0.00373 J			<0.000300			
	MW-103	Mar-23		0.00204 B	0.440			<0.00124 J4		<0.0281	<0.000849	0.00158 J			<0.000300			
	MW-103	Apr-24		0.00245	0.284			<0.00124		<0.0281	<0.000849	0.00173 J			<0.000300			

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Appendix B, Table B.3 - Summary of Groundwater Analytical Data - Dissolved Metals

2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Total Metals													
				Analyte	Arsenic	Barium	Boron	Cadmium	Chromium	Cobalt	Iron	Lead	Manganese	Mercury	Nickel	Selenium	Uranium	Vanadium
				CAS	7440-38-2	7440-39-3	7440-42-8	7440-43-9	7440-47-3	7440-48-4	7439-89-6	7439-92-1	7439-96-5	7439-97-6	7440-02-0	7782-49-2	7440-61-1	7440-62-2
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	0.0100	2.00	0.750	0.00500	0.0500	0.0500	1.00	0.0150	0.200	0.00200	0.200	0.0500	0.0300	0.0631
				CGWSL Source	WQCC HH	WQCC HH	WQCClrr	WQCClrr	WQCC HH	WQCC HH	WQCC Dom	WQCC HH	WQCC Dom	WQCC HH	WQCClrr	WQCC HH	WQCC HH	NMED TW
Area	Well ID	Date	Dup															
South Refinery	MW-104	Apr-22		0.00208	0.0192			0.00191 J		0.0289 J	<0.000849	0.0180			<0.000300		
	MW-104	Oct-22															
	MW-104	Mar-23		0.00204 B	0.0237			<0.00124 J4		<0.0281	<0.000849	0.0127			<0.000300		
	MW-104	Oct-23															
	MW-104	Apr-24		0.00361	0.0304			<0.00124		<0.0281	<0.000849	0.0160			<0.000300		
	MW-104	Oct-24															
	MW-105	Apr-22		**0.0132**	0.0731			0.00291		0.0611 JB	<0.000849	0.0530			<0.000300		
	MW-105	Oct-22															
	MW-105	Mar-23		0.00778	0.275			0.00165 JJ4		<0.0281	<0.000849	0.151			0.000310 J		
	MW-105	Oct-23															
	MW-105	Apr-24		0.00674	0.931			<0.00124		<0.0281	<0.000849	**0.228**			0.000320 J		
	MW-105	Oct-24															
	MW-106	Apr-21		**0.0240**	0.0276			0.00156 J		<0.0281	0.00206	0.0301			0.000577 J		
	MW-106	Oct-23															
	MW-106	Apr-24		**0.0199**	0.0428			<0.00124		<0.0281	0.00525	0.00416 J			0.000545 J		
	MW-106	Oct-24															
	MW-107	Oct-15															
	MW-107	Apr-17		0.00128 J	**2.01**			<0.000540		0.0388 J	<0.000240	0.107			<0.000380		
	MW-107	Apr-18		0.00157 J	**2.34**			<0.000540		**4.47**	0.000418 JB	0.152			0.000426 J		
	MW-107	Apr-19		0.00139 J	**2.23**			<0.000540		0.0278 J	0.000378 J	0.163			<0.000380		
	MW-109	Apr-22		0.00179 J	0.0793			0.00174 J		0.0300 J	0.00116 J	0.0647			<0.000300		
	MW-109	Oct-22															
	MW-109	Mar-23		0.00413	0.0736			<0.00124		0.0728 J	<0.000849	0.147			<0.000300		
	MW-109	Oct-23															
	MW-109	Apr-24		0.00432	0.0855			0.0128		0.0591 J	<0.000849	0.136			<0.000300		
	MW-109	Oct-24															
	MW-110	Apr-22		0.00189 J	0.0610			<0.00124		0.0948 J	0.000872 J	**0.594**			<0.000300		
	MW-110	Oct-22															
	MW-110	Mar-23		**0.0360**	0.0532			<0.00124		**1.07**	<0.000849	**2.28**			<0.000300		
	MW-110	Oct-23															
	MW-110	Apr-24		**0.0402**	0.0598			<0.00124		**1.38**	<0.000849	**2.76**			<0.000300		
	MW-110	Oct-24															
	MW-139	Apr-22		0.00756	0.0278			<0.00124		0.566	<0.000849	**1.70**			<0.000300		
	MW-139	Oct-22															
	MW-139	Mar-23		**0.0107**	0.0258			<0.00124		0.625	<0.000849	**1.91**			<0.000300		
	MW-139	Oct-23															
	MW-139	Apr-24		0.00813	0.0245			<0.00124		0.288	<0.000849	**1.35**			<0.000300		
	MW-139	Oct-24															
	MW-158	Oct-24															
	MW-159	Oct-24															
	RA-313	Apr-21															
	RA-313	Apr-22															
	RA-313	Mar-23															
	RA-313	Apr-24															
	RW-4	Jun-20		0.00328	0.0680			<0.00149		<0.0489	<0.00249	0.124			<0.000657		
	RW-4	Apr-22		0.00546	0.0788			0.00358		0.0596 J	0.00174 J	0.195			<0.000300		
	RW-4	Mar-23		0.00451	0.0693			<0.00124		<0.0281	<0.000849	0.180			<0.000300		
	RW-4	Apr-24		0.00454	0.134			0.00140 J		<0.0281	<0.000849	0.162			<0.000300		
	RW-5R	Apr-15		0.00136 J	0.0275			<0.000540		0.0247 J	<0.000240	0.0167			<0.000380		
	RW-6	Apr-18		**0.0141**	1.90			<0.000540		**1.32**	0.000568 JB	**0.279**			0.000513 J		
	RW-6	Apr-19		0.00656	**6.17 V**			<0.000540		0.0878 J	0.000368 JP1	0.161			0.000690 J		
	RW-6	Mar-23		**0.0325**	0.161			0.00172 J		<0.0281	<0.000849	0.185			0.000426 J		
	RW-6	Apr-24		**0.0977**	0.102			<0.00124		**3.10**	<0.000849	**0.945**			<0.000300		
	RW-15C	Apr-17		**0.0306**	0.896			<0.000540		0.137	0.000501 J	**0.376**			<0.000380		
	RW-15C	Apr-18		**0.0264**	1.27 V			<0.000540		0.197	0.000585 J	**0.399**			0.000675 J		
	RW-15C	Apr-19		**0.0128**	1.61			0.00263		0.216	0.000416 J	**0.463**			0.000987 J		
	RW-19	Apr-24		**0.0380**	0.0557			<0.00124		**3.14**	0.000896 J	**1.74**			<0.000300		
South RO Field	MW-114	Apr-22		0.00388	0.0130			<0.00124		<0.0281	<0.000849	**0.746**			0.000549 J		
	MW-114	Oct-22															
	MW-114	Mar-23		0.00205	0.0139	0.0358 J	<0.000150	<0.00124	0.00178 J	<0.0281	<0.000849	**0.372**	<0.000100	0.00191 J	0.00239	0.00348	0.00556
	MW-114	Oct-23															
	MW-114	Apr-24		0.00317	0.0125	0.141 J	<0.000150	<0.00124	0.00172 J	<0.0281	<0.000849	**0.336**	<0.000100	0.00421	0.000916 J	0.00301	0.00949
	MW-114	Oct-24		0.00318		0.158 J				<0.0281		**0.361**				0.00310	
	MW-115	Apr-22		0.00458	0.00859			<0.00124		<0.0281	<0.000849	0.0405			0.00620		
	MW-115	Oct-22															
	MW-115	Mar-23		0.00469	0.0103	0.694	<0.000150	<0.00124	0.000155 J	<0.0281	<0.000849	0.0246	<0.000100	0.00479	0.00386	**0.0545**	0.0266
	MW-115	Oct-23															
	MW-115	Apr-24		0.00477	0.00967	0.723	<0.000150	<0.00124	0.000234 J	<0.0281	<0.000849	0.0266	<0.000100 I6O	0.00578	0.00203	**0.0420**	0.0248
	MW-115	Oct-24		0.00458		0.724				<0.0281		0.0281				**0.0428**	
	MW-116	Apr-22		0.00283	0.00882			0.00160 JB		<0.0281	<0.000849	0.0308			0.00557		
	MW-116	Oct-22															
	MW-116	Mar-23		0.00245	0.00951	0.244	<0.000150	<0.00124	0.00273	<0.0281	<0.000849	0.0832	<0.000100	0.00228	0.00509	**0.0336**	0.0133
	MW-116	Apr-24		0.00292	0.00832	0.232	<0.000150	<0.00124	0.00237	<0.0281	<0.000849	0.0311	<0.000100	0.00245	0.00414	0.0293	0.0123
	MW-116	Oct-24		0.00305		0.250				0.0579 J		0.0369				**0.0322**	
	MW-144	Mar-23		0.00426	0.0110	0.428	<0.000150	<0.00124	0.000567 J	<0.0281	<0.000849	0.0123	<0.000100	0.00120 J	0.00864	**0.0350**	0.0161
	MW-144	Oct-23															
	MW-144	Apr-24		0.00412	0.0111	0.436	<0.000150	<0.00124	0.000485 J	<0.0281	<0.000849	0.0170	<0.000100	0.00117 J	0.00908	**0.0347**	0.0162
	MW-144	Oct-24		0.00463		0.423				<0.0281		0.0160				**0.0406**	
	MW-163	Oct-24		0.00385		0.586				<0.0281		0.179				**0.0628**	
TEL	MW-49	Apr-22		0.00463	0.0480	0.714	<0.000150	0.00247	<0.0000596	0.0644 JB	<0.000849	0.189	<0.000100	0.00954 B	<0.000300	<0.0000789	0.00165 JB
	MW-49	Oct-22															
	MW-49	Mar-23		0.00414	0.0685	0.729	<0.000150	<0.00124	<0.0000596	0.0367 JB	<0.000849	0.145	<0.000100	0.00948	<0.000300	<0.0000789	0.00124 JB
	MW-49	Oct-23															
	MW-49	Apr-24		0.00419	0.0632	**0.775**	<0.000150	<0.00124	<0.0000596	<0.0281	<0.000849	0.0773	<0.000100	0.00628	0.000355 J	<0.0000789	<0.000664
	MW-49	Oct-24															
	TEL-1	Oct-18															
	TEL-1	Apr-19		**0.0128**	0.0196			0.00285		0.0400 JB	<0.000240	0.0405			<0.000380		
	TEL-1	Oct-19															
	TEL-1	Jun-20		**0.0134**	0.0162 J			0.00317		0.113	<0.00249	0.0390			<0.000657		
	TEL-2	Oct-18															
	TEL-2	Apr-19		0.00309	0.0191			0.00660		0.0268 JB	<0.000240	0.0153			<0.000380		
	TEL-2	Oct-19															
	TEL-2	Jun-20		0.00940	0.0307			<0.00149		<0.0489	<0.00249	0.0377			<0.000657		
	TEL-3	Apr-18		0.00964	0.0219			0.0263		0.0526 J	0.000337 J	0.00609			0.000457 J		
	TEL-3	Apr-19		0.00129 J	0.0138			0.00225		0.0489 JB	<0.000240	**1.09**			<0.000380		
	TEL-3	Oct-19															
	TEL-3	Oct-20															
	TEL-4	Apr-22		0.00460	0.0121			0.0149		0.0545 J	<0.000849	**0.776**			<0.000300		
	TEL-4	Apr-22	FD	0.00437	0.0129			0.0157		0.0544 J	<0.000849	**0.776**			<0.000300		
	TEL-4	Oct-22															
	TEL-4	Oct-22	FD														
	TEL-4	Mar-23		0.00359	0.0174			0.0317		0.104	<0.000849	**0.936**			0.00114 J		
	TEL-4	Mar-23	FD	0.00389	0.0177			0.0301		0.121 B	<0.000849	**0.939**			0.000440 J		
	TEL-4	Oct-23															
	TEL-4	Oct-23	FD														
	TEL-4	Apr-24		**0.0298**	0.0237			0.00466		0.0810 J	<0.000849	**0.466**			<0.000300		
	TEL-4	Apr-24	FD	**0.0288**	0.0216			0.00478		0.0817 J	<0.000849	**0.447**			<0.000300		
	TEL-4	Oct-24															
	TEL-4	Oct-24	FD														

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Appendix B, Table B.3 - Summary of Groundwater Analytical Data - Dissolved Metals

2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Total Metals													
				Analyte	Arsenic	Barium	Boron	Cadmium	Chromium	Cobalt	Iron	Lead	Manganese	Mercury	Nickel	Selenium	Uranium	Vanadium
				CAS	7440-38-2	7440-39-3	7440-42-8	7440-43-9	7440-47-3	7440-48-4	7439-89-6	7439-92-1	7439-96-5	7439-97-6	7440-02-0	7782-49-2	7440-61-1	7440-62-2
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	0.0100	2.00	0.750	0.00500	0.0500	0.0500	1.00	0.0150	0.200	0.00200	0.200	0.0500	0.0300	0.0631
				CGWSL Source	WQCC HH	WQCC HH	WQCClrr	WQCClrr	WQCC HH	WQCC HH	WQCC Dom	WQCC HH	WQCC Dom	WQCC HH	WQCClrr	WQCC HH	WQCC HH	NMED TW
Area	**Well ID**	**Date**	**Dup**															
Three Mile Ditch	MW-8	Apr-21		0.00567	0.0158 J			<0.00124		<0.0281	<0.000849	**0.350**			**0.0537**		
	MW-8	Apr-22		0.00541	0.0129			<0.00124		<0.0281	<0.000849	**0.318**			**0.0742**		
	MW-8	Mar-23		0.00624	0.0132			<0.00124		<0.0281	<0.000849	**0.283**			**0.0641**		
	MW-8	Apr-24		0.00662	0.0129			<0.00124		<0.0281	<0.000849	**0.445**			0.0456		
	MW-16	Apr-21		0.00499	0.0138 J			<0.00124		<0.0281	<0.000849	0.00771 B			0.00741		
	MW-16	Apr-22		0.00466	0.0140			<0.00124		<0.0281	<0.000849	0.00868			0.00805		
	MW-16	Mar-23		0.00570	0.0133			<0.00124		<0.0281	<0.000849	0.00835			0.0283		
	MW-16	Apr-24		0.00466	0.0124			<0.00124		0.100	<0.000849	<0.000704			0.0187		
	MW-20	Apr-21		0.00525	0.0110 J			<0.00124		<0.0281	<0.000849	0.00620			0.00663		
	MW-20	Apr-22		0.00507	0.0106			0.0106		0.0305 J	<0.000849	<0.000704			0.0105		
	MW-20	Mar-23		0.00486	0.0119			<0.00124		<0.0281	<0.000849	<0.000704			0.0174		
	MW-20	Apr-24		0.00542	0.0140			<0.00124		<0.0281	<0.000849	<0.000704			0.0201		
	MW-21	Apr-22		0.00488	0.00851			<0.00124		<0.0281	<0.000849	0.0524			0.0478		
	MW-21	Oct-22															
	MW-21	Mar-23		0.00537	0.00837			<0.00124		<0.0281	<0.000849	0.147			0.0392		
	MW-21	Oct-23															
	MW-21	Apr-24		0.00547	0.0114			<0.00124		<0.0281	<0.000849	0.0614			0.0297		
	MW-21	Oct-24															
	MW-25	Apr-21		0.00178 J	0.0127 J			<0.00124		<0.0281	<0.000849	0.167			0.00213		
	MW-25	Apr-22		0.00356	0.0309			<0.00124		<0.0281	<0.000849	**0.870**			<0.000300		
	MW-25	Mar-23		0.00399	0.0353			<0.00124		<0.0281	<0.000849	**0.786**			0.000551 J		
	MW-25	Apr-24		0.00888	0.0102			<0.00124		0.123	<0.000849	**1.02**			<0.000300		
	MW-26	Apr-21		0.00271	0.0101 J			<0.00124		<0.0281	<0.000849	0.0340			0.0187		
	MW-26	Apr-22		0.00283	0.00829			<0.00124		<0.0281	<0.000849	**0.205**			0.0159		
	MW-26	Mar-23		0.00322	0.00878			<0.00124		<0.0281	<0.000849	0.0761			0.0171		
	MW-26	Apr-24		0.00279	0.00657			<0.00124		<0.0281	<0.000849	0.170			0.0147		
	MW-27	Apr-21		0.00215	0.0170 J			<0.00124		<0.0281	<0.000849	<0.000704			0.0167		
	MW-27	Apr-22		0.00202	0.0179			<0.00124		<0.0281	<0.000849	0.00377 J			0.0160		
	MW-27	Mar-23		0.00231	0.0180			<0.00124		<0.0281	<0.000849	0.00291 J			0.0215		
	MW-27	Apr-24		0.00181 J	0.0153			<0.00124		<0.0281	<0.000849	0.00115 J			0.0132		
	MW-46R	Apr-22		0.00237	0.0109			<0.00124		0.116	0.000900 J	0.0453			0.0349		
	MW-46R	Oct-22															
	MW-46R	Mar-23		0.00257	0.0122			<0.00124		<0.0281	<0.000849	0.00525			0.0145		
	MW-46R	Oct-23															
	MW-46R	Apr-24		0.00253	0.0128			<0.00124		<0.0281	<0.000849	0.0273			0.00536		
	MW-46R	Oct-24															
	MW-68	Apr-21		0.00263	0.0138 J			<0.00124		<0.0281	<0.000849	<0.000704			0.0210		
	MW-68	Apr-22		0.00226	0.0119			<0.00124		<0.0281	<0.000849	<0.000704			0.0229		
	MW-68	Mar-23		0.00285	0.0129			<0.00124		<0.0281	<0.000849	0.000866 J			0.0234		
	MW-68	Apr-24		0.00275	0.0145			<0.00124		<0.0281	<0.000849	<0.000704			0.0305		
	MW-71	Apr-21		0.00349	0.00977 J	0.659	<0.000150	<0.00124	0.000130 J	<0.0281	<0.000849	0.00289 J	0.000100 J	0.00180 J	0.0259	**0.0629**	0.0232
	MW-71	Apr-22		0.00326	0.00808	0.643	<0.000150	<0.00124	0.0000942 J	<0.0281	<0.000849	<0.000704	<0.000100	0.00130 J	0.0241	**0.0647**	0.0229
	MW-71	Mar-23		0.00372	0.00809	0.637	<0.000150	<0.00124	0.000111 J	<0.0281	<0.000849	<0.000704	<0.000100	<0.000816	0.0230	**0.0694**	0.0248
	MW-71	Apr-24		0.00354	0.00845	0.645	<0.000150	<0.00124	0.000135 J	<0.0281	<0.000849	<0.000704	<0.000100	0.00149 J	0.0242	**0.0666**	0.0233
	MW-89	Apr-21		0.00997	0.0127 J			<0.00124		<0.0281	<0.000849	**0.678**			0.00176 J		
	MW-89	Apr-22		0.00959	0.0132			<0.00124		<0.0281	<0.000849	0.197			0.00407		
	MW-89	Mar-23		0.00848	0.0133			<0.00124		<0.0281	<0.000849	**0.464**			0.00346		
	MW-89	Apr-24		0.00429	0.0108			<0.00124		<0.0281	<0.000849	0.0357			0.00294		
	MW-152	Oct-24															
	MW-153	Oct-24															
	MW-154	Oct-24															
	MW-155	Oct-24															
	MW-156	Oct-24															
	NP-1	Apr-22															
	NP-1	Oct-22															
	NP-1	Mar-23															
	NP-1	Oct-23															
	NP-1	Apr-24															
	NP-1	Oct-24															
	NP-6	Apr-17															
	NP-6	Apr-19															
	NP-6	Apr-21															
	NP-6	Mar-23															
Upgradient	UG-1	Apr-21		0.00143 J	0.0130 J	**0.791**	<0.000150	0.00150 JB	0.000180 J	<0.0281	0.00193 J	0.00523	<0.000100	0.00323 B	0.0177	**0.0377**	0.0149
	UG-1	Apr-22		0.00151 J	0.0136	0.718	<0.000150	<0.00124	0.000110 J	<0.0281	<0.000849	<0.000704	<0.000100	0.00135 J	0.0130	**0.0442**	0.0148
	UG-1	Mar-23		0.00123 J	0.0118	0.740	<0.000150	<0.00124	0.0000764 J	<0.0281	<0.000849	<0.000704	<0.000100	<0.000816	0.0135	**0.0398**	0.0126
	UG-1	Apr-24		0.00125 J	0.0106	0.541	<0.000150	<0.00124	0.0000677 J	<0.0281	<0.000849	<0.000704	<0.000100	<0.000816	0.00613	0.0282	0.0122
	UG-2	Apr-21		0.00215	0.0147 J	0.301	<0.000150	<0.00124	0.0000955 J	0.0679 J	0.00170 J	0.0105	<0.000100	0.00440 B	0.00700	0.0157 J	0.0196
	UG-2	Apr-22		0.00253	0.0156	0.267	<0.000150	<0.00124	0.0000840 J	<0.0281	<0.000849	0.00188 J	<0.000100	0.00272	0.00581	0.0158	0.0200
	UG-2	Mar-23		0.00218	0.0137	0.264	<0.000150	<0.00124	<0.0000596	0.0616 J	<0.000849	<0.000704	<0.000100	0.00162 J	0.00523	0.0145	0.0201
	UG-2	Apr-24		0.00217	0.0154	0.244	<0.000150	<0.00124	0.0000790 J	<0.0281	<0.000849	<0.000704	<0.000100	0.00177 J	0.00454	0.0123	0.0228
	UG-3R	Apr-21		0.00138 J	0.0236	0.187 J	<0.000150	<0.00124	0.000116 J	0.0311 J	0.00106 J	0.00707	<0.000100	0.00278 B	0.00450	0.0175 J	0.00934
	UG-3R	Apr-22		0.00145 J	0.0197	0.182 J	<0.000150	<0.00124	0.000106 J	<0.0281	<0.000849	0.00149 J	<0.000100	0.00235	0.00448	0.0278	0.00995
	UG-3R	Mar-23		0.00122 J	0.0245	0.157 J	<0.000150	0.00130 J	0.000122 J	0.198	0.000862 J	0.000805 J	<0.000100	0.00134 J	0.00548	0.0192	0.00874
	UG-3R	Apr-24		0.00132 J	0.0212	0.162 J	<0.000150	<0.00124	0.0000736 J	<0.0281	<0.000849	<0.000704	<0.000100	0.000825 J	0.00906	0.0242	0.00904
	UG-4	Apr-21		0.00130 J	0.0140 J	**1.06**	<0.000150	<0.00124	0.000211 J	<0.0281	<0.000849	0.000787 J	<0.000100	0.000829 J	0.00987	**0.0358**	0.00765
	UG-4	Apr-22		0.00137 J	0.0188	0.738	<0.000150	<0.00124	0.000263 J	0.0356 J	<0.000849	0.00322 J	<0.000100	0.00137 J	0.0134	**0.0324**	0.00878
	UG-4	Mar-23		0.00114 J	0.0175	**1.21**	<0.000150	<0.00124	0.0000832 J	<0.0281	<0.000849	0.00162 J	<0.000100	0.00189 J	0.00852	**0.0420**	0.00667
	UG-4	Apr-24		0.00123 J	0.0168	**1.34**	<0.000150	<0.00124	0.000106 J	<0.0281	<0.000849	0.00112 J	<0.000100	<0.000816	0.00707	**0.0406**	0.00718

Definitions

X	Reported concentration, X, exceeds the CGWSL.
X	Analyte detected above the detection limit at a concentration equal to X.
<x	Analyte not detected at detection limit equal to x.
<x	Analyte not detected at detection limit equal to x, but x exceeds the CGWSL.
	Blank cell indicates a sample was collected from the well during the indicated sampling event, but the analyte was not analyzed.

Abbreviations

CGWSL	Critical Groundwater Screening Level (see Table 3)
CGWSL Source	Source for CGWSL value (see Table 3)
Dup	Duplicate sample
FD	Field duplicate sample
mg/L	Milligrams per Liter
NMED TW	NMED Risk Assessment Guidance for Site Investigations and Remediation, November 2022, Table A-1, Tap Water Screening Level
WQCC Dom	NMED Groundwater standard for domestic exposure, 20.6.2.3103.B NMAC
WQCC HH	NMED Groundwater standard for human health exposure, 20.6.2.3103.A NMAC
WQCC Irr	NMED Groundwater standard for irrigation exposure, 20.6.2.3103.C NMAC

Lab Footnote

B	Analyte was also detected in the associated method blank.
J	Indicates an estimated value.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
V	The sample concentration is too high to evaluate accurate spike recoveries.

Note - Irrigation well RA-4196R was installed in June 2022 to replace both irrigation wells RA-4196 and RA-4798 which were plugged and abandoned in April 2023.

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Appendix B, Table B.4 - Summary of Groundwater Analytical Data - Volatile Organic Compounds

2024 Annual Groundwater Monitoring Report

HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Volatile Organic Compounds											
				Analyte	1,1,1,2-Tetra-chloroethane	1,1,1-Tri-chloroethane	1,1,2,2-Tetra-chloroethane	1,1,2-Tri-chloroethane	1,1-Di-chloroethane	1,1-Di-chloroethene	1,2,4-Trimethyl-benzene	1,2-Dibromoethane (Ethylene dibromide) - 8011	1,2-Dibromoethane (Ethylene dibromide) - 8260	1,2-Di-chloroethane	1,2-Di-chloropropane	1,3,5-Trimethyl-benzene
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	0.000570	0.200	0.0100	0.00500	0.0250	0.00700	0.0560	0.0000500	0.0000500	0.00500	0.00500	0.0600
				CGWSL Source:	USEPA TW	WQCC HH	WQCC HH	WQCC HH	WQCC HH	WQCC HH	WQCC HH	WQCC HH	WQCC HH	WQCC HH	WQCC HH	USEPA TW
Area	**Well ID**	**Date**	**Dup**													
Cross-Gradient	KWB-13	Apr-21		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	KWB-13	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	KWB-13	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	KWB-13	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-136	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-136	Oct-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-136	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-136	Oct-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-136	Oct-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-149	Oct-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-149	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-149	Oct-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-150	Oct-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-150	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-150	Oct-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	NP-5	Apr-17		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	<0.000373		**<0.000381**	<0.000361	<0.000306	<0.000387
	NP-5	Apr-19		<0.000385 J4	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	<0.000373		**<0.000381** J4	<0.000361	<0.000306	<0.000387
	NP-5	Apr-21		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	NP-5	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	RA-3156	Apr-19		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	<0.000373		**<0.000381**	<0.000361	<0.000306	<0.000387
	RA-3156	Jun-20		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	RA-3156	Apr-21		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	RA-3156	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
Evaporation Ponds	MW-1R	Apr-21		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-1R	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-1R	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-1R	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-2A	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-2A	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-2A	Oct-22													
	MW-2A	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-2A	Oct-23													
	MW-2A	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-2A	Oct-24													
	MW-3	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-3	Apr-22	FD	<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-3	Oct-22													
	MW-3	Oct-22	FD												
	MW-3	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-3	Mar-23	FD	<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-3	Oct-23													
	MW-3	Oct-23	FD												
	MW-3	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-3	Apr-24	FD	<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-3	Oct-24													
	MW-3	Oct-24	FD												
	MW-4A	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.000345 J		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-4A	Oct-22													
	MW-4A	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-4A	Oct-23													
	MW-4A	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.000331 J		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-4A	Oct-24													
	MW-4B	Apr-17		<0.000385	<0.000319	<0.000130	<0.000383 J4	<0.000259	<0.000398	<0.000373		**<0.000381**	<0.000361	<0.000306	<0.000387
	MW-4B	Apr-19		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	<0.000373		**<0.000381**	<0.000361	<0.000306	<0.000387
	MW-4B	Apr-21		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-4B	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-5A	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-5A	Oct-22													
	MW-5A	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-5A	Oct-23													
	MW-5A	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-5A	Oct-24													
	MW-5B	Apr-17		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	0.000499 J		**<0.000381**	<0.000361	<0.000306	<0.000387
	MW-5B	Apr-19		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	0.000414 J		**<0.000381**	<0.000361	<0.000306	<0.000387
	MW-5B	Apr-21		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-5B	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	0.000144 J
	MW-5C	Apr-17		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	<0.000373		**<0.000381**	<0.000361	<0.000306	<0.000387
	MW-5C	Apr-19		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	<0.000373		**<0.000381**	<0.000361	<0.000306	<0.000387
	MW-5C	Apr-21		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.000433 J		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-5C	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-6A	Apr-21		**<0.000735**	<0.000745	<0.000665	<0.000790	<0.000500	<0.000940	<0.00161		**<0.000630**	<0.000409	<0.000745	<0.000520
	MW-6A	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-6A	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-6A	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-6B	Apr-17		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	<0.000373		**<0.000381**	<0.000361	<0.000306	<0.000387
	MW-6B	Apr-19		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	<0.000373		**<0.000381**	<0.000361	<0.000306	<0.000387
	MW-6B	Apr-21		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-6B	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-7A	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-7A	Apr-22	FD	<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-7A	Oct-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-7A	Oct-22	FD	<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-7A	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-7A	Mar-23	FD	<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-7A	Oct-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-7A	Oct-23	FD	<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-7A	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-7A	Apr-24	FD	<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-7A	Oct-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-7A	Oct-24	FD	<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-7B	Apr-17		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	<0.000373		**<0.000381**	<0.000361	<0.000306	<0.000387
	MW-7B	Apr-19		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	<0.000373		**<0.000381**	<0.000361	<0.000306	<0.000387
	MW-7B	Apr-21		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-7B	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-10	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-10	Oct-22													
	MW-10	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-10	Oct-23													
	MW-10	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-10	Oct-24													
	MW-11A	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-11A	Oct-22													
	MW-11A	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-11A	Oct-23													
	MW-11A	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-11A	Oct-24													

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Appendix B, Table B.4 - Summary of Groundwater Analytical Data - Volatile Organic Compounds

2024 Annual Groundwater Monitoring Report

HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Volatile Organic Compounds											
				Analyte	1,1,1,2-Tetra-chloroethane	1,1,1-Tri-chloroethane	1,1,2,2-Tetra-chloroethane	1,1,2-Tri-chloroethane	1,1-Di-chloroethane	1,1-Di-chloroethene	1,2,4-Trimethyl-benzene	1,2-Dibromoethane (Ethylene dibromide) - 8011	1,2-Dibromoethane (Ethylene dibromide) - 8260	1,2-Di-chloroethane	1,2-Di-chloropropane	1,3,5-Trimethyl-benzene
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	0.000570	0.200	0.0100	0.00500	0.0250	0.00700	0.0560	0.0000500	0.0000500	0.00500	0.00500	0.0600
				CGWSL Source:	USEPA TW	WQCC HH	WQCC HH	WQCC HH	WQCC HH	WQCC HH	WQCC HH	WQCC HH	WQCC HH	WQCC HH	WQCC HH	USEPA TW
Area	**Well ID**	**Date**	**Dup**													
Evaporation Ponds	MW-11B	Apr-17		<0.000385	<0.000319	<0.000130	<0.000383 J4	<0.000259	<0.000398	<0.000373		**<0.000381**	<0.000361	<0.000306	<0.000387
	MW-11B	Apr-19		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	<0.000373		**<0.000381**	<0.000361	<0.000306	<0.000387
	MW-11B	Apr-21		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-11B	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-15	Apr-21		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-15	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-15	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-15	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-18A	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	0.000327 J
	MW-18A	Oct-22													
	MW-18A	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-18A	Oct-23													
	MW-18A	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-18A	Oct-24													
	MW-18B	Apr-17		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	<0.000373		**<0.000381**	<0.000361	<0.000306	<0.000387
	MW-18B	Apr-19		<0.000385	<0.000319 J4	<0.000130	<0.000383	<0.000259	<0.000398	<0.000373		**<0.000381**	<0.000361	<0.000306	<0.000387
	MW-18B	Apr-21		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-18B	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-22A	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-22A	Apr-22	FD	<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-22A	Oct-22													
	MW-22A	Oct-22	FD												
	MW-22A	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-22A	Mar-23	FD	<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-22A	Oct-23													
	MW-22A	Oct-23	FD												
	MW-22A	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-22A	Apr-24	FD	<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-22A	Oct-24													
	MW-22A	Oct-24	FD												
	MW-22B	Apr-17		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	<0.000373		**<0.000381**	<0.000361	<0.000306	<0.000387
	MW-22B	Apr-19		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	<0.000373		**<0.000381**	<0.000361	<0.000306	<0.000387
	MW-22B	Apr-21		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-22B	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-70	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-70	Oct-22													
	MW-70	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-70	Oct-23													
	MW-70	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-70	Oct-24													
	MW-72	Apr-21		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-72	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-72	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-72	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-73	Apr-21		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.000447 J		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-73	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.000695 J		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-73	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.000348 J		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-73	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-74	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.00188		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-74	Oct-22													
	MW-74	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.00152		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-74	Oct-23													
	MW-74	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-74	Oct-24													
	MW-75	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-75	Oct-22													
	MW-75	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-75	Oct-23													
	MW-75	Apr-24		**<0.0294**	<0.0298	**<0.0266**	**<0.0316**	<0.0200	**<0.0376**	**<0.0644**		**<0.0252**	**<0.0164**	**<0.0298**	<0.0208
	MW-75	Oct-24													
	MW-76	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-76	Oct-22													
	MW-76	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-76	Oct-23													
	MW-76	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-76	Oct-24													
	MW-77	Apr-21		**<0.00368**	<0.00373	<0.00333	<0.00395	<0.00250	<0.00470	<0.00805		**<0.00315**	<0.00205	<0.00373	<0.00260
	MW-77	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-77	Mar-23		**<0.00147**	<0.00149	<0.00133	<0.00158	<0.00100	<0.00188	<0.00322		**<0.00126**	<0.000819	<0.00149	<0.00104
	MW-77	Apr-24		**<0.0294**	<0.0298	**<0.0266**	**<0.0316**	<0.0200	**<0.0376**	**<0.0644**		**<0.0252**	**<0.0164**	**<0.0298**	<0.0208
	MW-78	Apr-21		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-78	Apr-22		**<0.00147**	<0.00149	<0.00133	<0.00158	<0.00100	<0.00188	<0.00322		**<0.00126**	<0.000819	<0.00149	<0.00104
	MW-78	Mar-23		**<0.00147**	<0.00149	<0.00133	<0.00158	<0.00100	<0.00188	<0.00322		**<0.00126**	<0.000819	<0.00149	<0.00104
	MW-78	Apr-24		**<0.0294**	<0.0298	**<0.0266**	**<0.0316**	<0.0200	**<0.0376**	**<0.0644**		**<0.0252**	**<0.0164**	**<0.0298**	<0.0208
	MW-79	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-79	Oct-22													
	MW-79	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-79	Oct-23													
	MW-79	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-79	Oct-24													
	MW-80	Apr-21		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-80	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-80	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-80	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-81	Apr-21		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-81	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-81	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-81	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-82	Apr-21		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-82	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-82	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-82	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-83	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-83	Oct-22													
	MW-83	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-83	Oct-23													
	MW-83	Apr-24		**<0.0294**	<0.0298	**<0.0266**	**<0.0316**	<0.0200	**<0.0376**	**<0.0644**		**<0.0252**	**<0.0164**	**<0.0298**	<0.0208
	MW-83	Oct-24													
	MW-84	Apr-22		**<0.00294**	<0.00298	<0.00266	<0.00316	<0.00200	<0.00376	<0.00644		**<0.00252**	<0.00164	<0.00298	0.00721 J
	MW-84	Oct-22													
	MW-84	Mar-23		**<0.00147**	<0.00149	<0.00133	<0.00158	<0.00100	<0.00188	<0.00322		**<0.00126**	<0.000819	<0.00149	<0.00104
	MW-84	Oct-23													
	MW-84	Apr-24		**<0.00147**	<0.00149	<0.00133	<0.00158	<0.00100	<0.00188	<0.00322		**<0.00126**	<0.000819	<0.00149	<0.00104
	MW-84	Oct-24													

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Appendix B, Table B.4 - Summary of Groundwater Analytical Data - Volatile Organic Compounds

2024 Annual Groundwater Monitoring Report

HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Volatile Organic Compounds											
				Analyte	1,1,1,2-Tetra-chloroethane	1,1,1-Tri-chloroethane	1,1,2,2-Tetra-chloroethane	1,1,2-Tri-chloroethane	1,1-Di-chloroethane	1,1-Di-chloroethene	1,2,4-Trimethyl-benzene	1,2-Dibromoethane (Ethylene dibromide) - 8011	1,2-Dibromoethane (Ethylene dibromide) - 8260	1,2-Di-chloroethane	1,2-Di-chloropropane	1,3,5-Trimethyl-benzene
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	0.000570	0.200	0.0100	0.00500	0.0250	0.00700	0.0560	0.0000500	0.0000500	0.00500	0.00500	0.0600
				CGWSL Source:	USEPA TW	WQCC HH	WQCC HH	WQCC HH	WQCC HH	WQCC HH	WQCC HH	WQCC HH	WQCC HH	WQCC HH	WQCC HH	USEPA TW
Area	**Well ID**	**Date**	**Dup**													
Evaporation Ponds	MW-86	Jun-20		**<0.00294**	<0.00298	<0.00266	<0.00316	<0.00200	<0.00376	0.0200		**<0.00252**	<0.00164	<0.00298	0.00605 J
	MW-86	Oct-20		**<0.00294**	<0.00298	<0.00266	<0.00316	<0.00200	<0.00376	0.0223		**<0.00252**	<0.00164	<0.00298	0.00604 J
	MW-87	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-87	Oct-22													
	MW-87	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-87	Oct-23													
	MW-87	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-87	Oct-24													
	MW-88	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-88	Oct-22													
	MW-88	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-88	Oct-23													
	MW-88	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-88	Oct-24													
	MW-120	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-120	Oct-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-120	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-120	Oct-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-120	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-120	Oct-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-121	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-121	Oct-22													
	MW-121	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-121	Oct-23													
	MW-121	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-121	Oct-24													
	MW-122	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-122	Oct-22													
	MW-122	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-122	Oct-23													
	MW-122	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-122	Oct-24													
	MW-123	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-123	Oct-22													
	MW-123	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-123	Oct-23													
	MW-123	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-123	Oct-24													
	MW-124	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-124	Oct-22													
	MW-124	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-124	Oct-23													
	MW-124	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-124	Oct-24													
	OCD-1R	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	OCD-1R	Oct-22													
	OCD-1R	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	OCD-1R	Oct-23													
	OCD-1R	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	OCD-1R	Oct-24													
	OCD-2A	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	OCD-2A	Oct-22													
	OCD-2A	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	OCD-2A	Oct-23													
	OCD-2A	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	OCD-2A	Oct-24													
	OCD-3	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	OCD-3	Oct-22													
	OCD-3	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	OCD-3	Oct-23													
	OCD-3	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	OCD-3	Oct-24													
	OCD-4	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	OCD-4	Oct-22													
	OCD-4	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	OCD-4	Oct-23													
	OCD-4	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	OCD-4	Oct-24													
	OCD-5	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	OCD-5	Oct-22													
	OCD-5	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	OCD-5	Oct-23													
	OCD-5	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	OCD-5	Oct-24													
	OCD-6	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	OCD-6	Oct-22													
	OCD-6	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	OCD-6	Oct-23													
	OCD-6	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	OCD-6	Oct-24													
	OCD-7AR	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.000840 J		**<0.000126**	<0.0000819	<0.000149	<0.000104
	OCD-7AR	Oct-22													
	OCD-7AR	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	OCD-7AR	Oct-23													
	OCD-7AR	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.000343 J		**<0.000126**	<0.0000819	<0.000149	<0.000104
	OCD-7AR	Oct-24													
	OCD-7B	Apr-17		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	<0.000373		**<0.000381**	<0.000361	<0.000306	<0.000387
	OCD-7B	Apr-19		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	<0.000373		**<0.000381**	<0.000361	<0.000306	<0.000387
	OCD-7B	Apr-21		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	OCD-7B	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	OCD-8A	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	OCD-8A	Oct-22													
	OCD-8A	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	OCD-8A	Oct-23													
	OCD-8A	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	OCD-8A	Oct-24													
	OCD-8B	Apr-17		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	<0.000373		**<0.000381**	<0.000361	<0.000306	<0.000387
	OCD-8B	Apr-19		<0.000385	<0.000319 J4	<0.000130	<0.000383	<0.000259	<0.000398	<0.000373		**<0.000381**	<0.000361	<0.000306	<0.000387
	OCD-8B	Apr-21		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	OCD-8B	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104

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Appendix B, Table B.4 - Summary of Groundwater Analytical Data - Volatile Organic Compounds

2024 Annual Groundwater Monitoring Report

HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Volatile Organic Compounds											
				Analyte	1,1,1,2-Tetra-chloroethane	1,1,1-Tri-chloroethane	1,1,2,2-Tetra-chloroethane	1,1,2-Tri-chloroethane	1,1-Di-chloroethane	1,1-Di-chloroethene	1,2,4-Trimethyl-benzene	1,2-Dibromoethane (Ethylene dibromide) - 8011	1,2-Dibromoethane (Ethylene dibromide) - 8260	1,2-Di-chloroethane	1,2-Di-chloropropane	1,3,5-Trimethyl-benzene
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	0.000570	0.200	0.0100	0.00500	0.0250	0.00700	0.0560	0.0000500	0.0000500	0.00500	0.00500	0.0600
				CGWSL Source:	USEPA TW	WQCC HH	WQCC HH	WQCC HH	WQCC HH	WQCC HH	WQCC HH	WQCC HH	WQCC HH	WQCC HH	WQCC HH	USEPA TW
Area	Well ID	Date	Dup													
Field East of Refinery	KWB-1A	Oct-22		<0.000147	0.000158 J	<0.000133	0.000438 J	0.000275 J	<0.000188	0.0286		**<0.000126**	<0.0000819	<0.000149	0.00404
	KWB-1A	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.0335		**<0.000126**	<0.0000819	<0.000149	0.00461
	KWB-1A	Oct-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.0335		**<0.000126**	<0.0000819	<0.000149	0.00505
	KWB-1A	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.0416		**<0.000126**	<0.0000819	<0.000149	0.00569
	KWB-1A	Oct-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.0343		**<0.000126**	<0.0000819	<0.000149	0.00659
	KWB-1C	Apr-17		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	<0.000373		**<0.000381**	<0.000361	<0.000306	<0.000387
	KWB-1C	Apr-19		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	<0.000373		**<0.000381**	<0.000361	<0.000306	<0.000387
	KWB-1C	Apr-21		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	KWB-1C	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	KWB-7	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.00243		**<0.000126**	<0.0000819	<0.000149	<0.000104
	KWB-7	Oct-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.00146		**<0.000126**	<0.0000819	<0.000149	0.000299 JB
	KWB-7	Mar-23		**<0.00735**	<0.00745	<0.00665	**<0.00790**	<0.00500	**<0.00940**	<0.0161		**<0.00630**	<0.00409	**<0.00745**	<0.00520
	KWB-7	Oct-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.000803 J		**<0.000126**	<0.0000819	<0.000149	<0.000104
	KWB-7	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.000818 J		**<0.000126**	<0.0000819	<0.000149	0.000106 J
	KWB-7	Oct-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.00167		**<0.000126**	<0.0000819	<0.000149	<0.000104
	KWB-8	Apr-17		**<0.0385**	<0.0319	**<0.0130**	**<0.0383**	**<0.0259**	**<0.0398**	**0.380**		**<0.0381**	**<0.0361**	**<0.0306**	**0.0863 J**
	KWB-8	Oct-17		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	**0.114**		**<0.000381**	<0.000361	<0.000306	0.0225
	KWB-8	Oct-20		**<0.0294**	<0.0298	**<0.0266**	**<0.0316**	<0.0200	**<0.0376**	**0.833**		**<0.0252**	**<0.0164**	**<0.0298**	**0.191 J**
	KWB-10R	Apr-17		**<0.0192**	<0.0160	<0.00650	**<0.0192**	<0.0130	**<0.0199**	**0.360**		**<0.0190**	**<0.0180**	**<0.0153**	**0.0907**
	KWB-10R	Oct-17		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	**0.302**		**<0.000381**	<0.000361	<0.000306	**0.0759**
	KWB-10R	Apr-18		**<0.0962**	<0.0798	**<0.0325**	**<0.0958**	**<0.0648**	**<0.0995**	**0.214 J**		**<0.0952**	**<0.0902**	**<0.0765**	**<0.0968**
	KWB-10R	Oct-18		**<0.0962**	<0.0798	**<0.0325**	**<0.0958**	**<0.0648**	**<0.0995**	**0.215 J**		**<0.0952**	**<0.0902**	**<0.0765**	**<0.0968**
	KWB-11A	Oct-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.000699 J	<0.00000547	**<0.000126**	<0.0000819	<0.000149	<0.000104
	KWB-11A	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.000727 J	<0.00000579	**<0.000126**	<0.0000819	<0.000149	<0.000104
	KWB-11A	Oct-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	KWB-11A	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.000476 J		**<0.000126**	<0.0000819	<0.000149	<0.000104
	KWB-11A	Oct-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	KWB-11B	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322	<0.00000547	**<0.000126**	<0.0000819	<0.000149	<0.000104
	KWB-11B	Oct-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	0.000270 J	<0.000149	<0.000104
	KWB-11B	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	KWB-11B	Oct-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	0.000325 J	<0.000149	<0.000104
	KWB-11B	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	0.000193 J	<0.000149	<0.000104
	KWB-11B	Oct-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	KWB-12A	Sep-21		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.000476 J		**<0.000126**	<0.0000819	<0.000149	<0.000104
	KWB-12A	Oct-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	KWB-12A	Oct-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	KWB-12A	Oct-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	KWB-12B	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	KWB-12B	Apr-22	FD	<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	KWB-12B	Oct-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	KWB-12B	Oct-22	FD	<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	KWB-12B	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	KWB-12B	Mar-23	FD	<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	KWB-12B	Oct-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	KWB-12B	Oct-23	FD	<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	KWB-12B	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.000641 J		**<0.000126**	<0.0000819	<0.000149	0.000166 J
	KWB-12B	Apr-24	FD	<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.000415 J		**<0.000126**	<0.0000819	<0.000149	0.000106 J
	KWB-12B	Oct-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	KWB-12B	Oct-24	FD	<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	KWB-P4	Apr-17		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	<0.000373		**<0.000381**	<0.000361	<0.000306	<0.000387
	KWB-P4	Apr-19		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	<0.000373		**<0.000381**	<0.000361	<0.000306	<0.000387
	KWB-P4	Apr-21		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	KWB-P4	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-57	Oct-20		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-57	Apr-21		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-57	Sep-21		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-57	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-58	Oct-17		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	**0.166**		**<0.000381**	<0.000361	<0.000306	0.00130
	MW-58	Apr-18		**<0.0192**	<0.0160	<0.00650	**<0.0192**	<0.0130	**<0.0199**	**0.574**		**<0.0190**	**<0.0180**	**<0.0153**	<0.0194
	MW-58	Oct-18		**<0.0192**	<0.0160	<0.00650	**<0.0192**	<0.0130	**<0.0199**	0.0235 J		**<0.0190**	**<0.0180**	**<0.0153**	<0.0194
	MW-58	Oct-19		**<0.00385**	<0.00319	<0.00130	<0.00383 J4	<0.00259	<0.00398	**0.272**		**<0.00381** J4	<0.00361	<0.00306	0.0123
	MW-111	Oct-18		**<0.00962**	<0.00798	<0.00325	**<0.00958**	<0.00648	**<0.00995**	<0.00932		**<0.00952**	**<0.00902**	**<0.00765**	<0.00968
	MW-111	Apr-19		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	0.00243	<0.00000240	**<0.000381**	0.000871 J	<0.000306	<0.000387
	MW-111	Oct-19		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	0.00437		**<0.000381**	<0.000361	<0.000306	0.000852 J
	MW-111	Jun-20		**<0.00368**	<0.00373	<0.00333	<0.00395	<0.00250	<0.00470	0.0135 J		**<0.00315**	<0.00205	<0.00373	0.00436 J
	MW-112	Nov-14		**<0.00960**	<0.00800	<0.00320	**<0.00960**	<0.00650	**<0.0100**	**0.350**	**<0.00950**		**<0.00900**	**<0.00760**	**0.0900**
	MW-113	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	**0.0570**	<0.00000547	**<0.000126**	<0.0000819	<0.000149	0.000763 J
	MW-113	Apr-22	FD	<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.0542	<0.00000552	**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-113	Oct-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	**0.654**		**<0.000126**	<0.0000819	<0.000149	0.0131
	MW-113	Oct-22	FD	<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	**0.706**		**<0.000126**	<0.0000819	<0.000149	0.0140
	MW-113	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	**0.0732**		**<0.000126**	<0.0000819	<0.000149	0.000823 J
	MW-113	Mar-23	FD	<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	**0.100**		**<0.000126**	<0.0000819	<0.000149	0.00101
	MW-113	Oct-23		**<0.00735**	<0.00745	<0.00665	**<0.00790**	<0.00500	**<0.00940**	**0.699**		**<0.00630**	<0.00409	**<0.00745**	<0.00520
	MW-113	Oct-23	FD	**<0.00735**	<0.00745	<0.00665	**<0.00790**	<0.00500	**<0.00940**	**0.691**		**<0.00630**	<0.00409	**<0.00745**	<0.00520
	MW-113	Apr-24		**<0.000735**	<0.000745	<0.000665	<0.000790	<0.000500	<0.000940	0.0447		**<0.000630**	<0.000409	<0.000745	0.000958 J
	MW-113	Apr-24	FD	<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.0431		**<0.000126**	<0.0000819	<0.000149	0.000868 J
	MW-113	Oct-24		**<0.0147**	<0.0149	**<0.0133**	**<0.0158**	<0.0100	**<0.0188**	**0.542**		**<0.0126**	**<0.00819**	**<0.0149**	0.0109 J
	MW-113	Oct-24	FD	**<0.00294**	<0.00298	<0.00266	<0.00316	<0.00200	<0.00376	**0.485**		**<0.00252**	<0.00164	<0.00298	<0.00208
	MW-125	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-125	Oct-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-125	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-125	Oct-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-125	Apr-24		<0.000147	<0.000149 J4	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819 J4	<0.000149	<0.000104
	MW-125	Oct-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-126A	Apr-19		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	<0.000373		**<0.000381**	<0.000361	<0.000306	<0.000387
	MW-126A	Oct-19		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	<0.000373		**<0.000381**	<0.000361	<0.000306	0.00162
	MW-126A	Jun-20		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-126A	Oct-20		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-126B	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322	<0.00000541	**<0.000126**	0.0000820 J	<0.000149	<0.000104
	MW-126B	Oct-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-126B	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-126B	Oct-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-126B	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-126B	Oct-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-127	Oct-17		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	0.0327		**<0.000381**	<0.000361	<0.000306	0.00452
	MW-127	Apr-18		**<0.00770**	<0.00638	<0.00260	**<0.00766**	<0.00518	**<0.00796**	0.0375		**<0.00762**	**<0.00722**	**<0.00612**	<0.00774
	MW-127	Oct-18		**<0.00770**	<0.00638	<0.00260	**<0.00766**	<0.00518	**<0.00796**	0.0272		**<0.00762**	**<0.00722**	**<0.00612**	<0.00774
	MW-127	Apr-19		**<0.00770**	<0.00638	<0.00260	**<0.00766**	<0.00518	**<0.00796**	0.0399	<0.00000240	**<0.00762**	**<0.00722**	**<0.00612**	<0.00774
	MW-128	Oct-17		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	0.00233		**<0.000381**	<0.000361	<0.000306	<0.000387
	MW-128	Apr-18		**<0.00770**	<0.00638	<0.00260	**<0.00766**	<0.00518	**<0.00796**	<0.00746		**<0.00762**	**<0.00722**	**<0.00612**	<0.00774
	MW-128	Oct-18		**<0.00770**	<0.00638	<0.00260	**<0.00766**	<0.00518	**<0.00796**	<0.00746		**<0.00762**	**<0.00722**	**<0.00612**	<0.00774
	MW-128	Apr-19		**<0.00770**	<0.00638	<0.00260	**<0.00766** J4	<0.00518	**<0.00796**	<0.00746		**<0.00762**	**<0.00722**	**<0.00612**	<0.00774

Appendix B, Table B.4 - Summary of Groundwater Analytical Data - Volatile Organic Compounds

2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Volatile Organic Compounds											
				Analyte	1,1,1,2-Tetra-chloroethane	1,1,1-Tri-chloroethane	1,1,2,2-Tetra-chloroethane	1,1,2-Tri-chloroethane	1,1-Di-chloroethane	1,1-Di-chloroethene	1,2,4-Trimethyl-benzene	1,2-Dibromoethane (Ethylene dibromide) - 8011	1,2-Dibromoethane (Ethylene dibromide) - 8260	1,2-Di-chloroethane	1,2-Di-chloropropane	1,3,5-Trimethyl-benzene
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	0.000570	0.200	0.0100	0.00500	0.0250	0.00700	0.0560	0.0000500	0.0000500	0.00500	0.00500	0.0600
				CGWSL Source:	USEPA TW	WQCC HH	WQCC HH	WQCC HH	WQCC HH	WQCC HH	WQCC HH	WQCC HH	WQCC HH	WQCC HH	WQCC HH	USEPA TW
Area	Well ID	Date	Dup													
Field East of Refinery	MW-129	Apr-15		<0.000380	<0.000319	<0.000130	<0.000380	<0.000260	<0.000400	0.00286	**<0.000380**		<0.000360	<0.000310	0.000679 J
	MW-129	Oct-15		**<0.0385**	<0.0319	**<0.0130**	**<0.0383**	**<0.0259**	**<0.0398**	<0.0373	**<0.0381**		**<0.0361**	**<0.0306**	<0.0387
	MW-129	Apr-17		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	0.00101		**<0.000381**	<0.000361	<0.000306	<0.000387
	MW-129	Apr-18		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	0.000452 J		**<0.000381**	<0.000361	<0.000306	<0.000387
	MW-130	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-130	Oct-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-130	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-130	Oct-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-130	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-130	Oct-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-131	Apr-17		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	0.0137		**<0.000381**	<0.000361	<0.000306	0.00348
	MW-131	Oct-17		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	**<0.0932**		**<0.000381**	<0.000361	<0.000306	0.00174
	MW-131	Oct-19		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	**0.167**		**<0.000381**	<0.000361	<0.000306	0.0432
	MW-131	Jun-20		**<0.00735**	<0.00745	<0.00665	**<0.00790**	<0.00500	**<0.00940**	**0.110**		**<0.00630**	<0.00409	**<0.00745**	0.0408 J
	MW-133	Nov-14		**<0.0380**	<0.0320	**<0.0130**	**<0.0380**	**<0.0260**	**<0.0400**	**0.280**	**<0.0380**		**<0.0360**	**<0.0310**	0.0530 J
	MW-133	Apr-15		**<0.0380**	<0.0319	**<0.0130**	**<0.0380**	**<0.0260**	**<0.0400**	**0.138**	**<0.0380**		**<0.0360**	**<0.0310**	<0.0390
	MW-134	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-134	Apr-22	FD	<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-134	Oct-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-134	Oct-22	FD	<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-134	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-134	Mar-23	FD	<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-134	Oct-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-134	Oct-23	FD	<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-134	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-134	Apr-24	FD	<0.000147	<0.000149 J4	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819 J4	<0.000149	<0.000104
	MW-134	Oct-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-134	Oct-24	FD	<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-135	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-135	Oct-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-135	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-135	Oct-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-135	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-135	Oct-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-145	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-145	Oct-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-145	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-145	Oct-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-145	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-145	Oct-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-146	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-146	Apr-22	FD	<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-146	Oct-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-146	Oct-22	FD	<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-146	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-146	Mar-23	FD	<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-146	Oct-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-146	Oct-23	FD	<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-146	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-146	Apr-24	FD	<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-146	Oct-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-146	Oct-24	FD	<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-147	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-147	Oct-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-147	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-147	Oct-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-147	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-147	Oct-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-148	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-148	Oct-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-148	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-148	Oct-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-148	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-148	Oct-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-151	Oct-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-160	Oct-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-161	Oct-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	0.00137	<0.000149	<0.000104
	RA-4196	Oct-19		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	<0.000373		**<0.000381**	<0.000361	<0.000306	<0.000387
	RA-4196	Jun-20		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	RA-4196	Oct-20		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	0.000876 J	<0.000149	<0.000104
	RA-4196	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	0.000275 J	<0.000149	<0.000104
	RA-4196R	Oct-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322	<0.00000552	**<0.000126**	0.000237 J	<0.000149	<0.000104
	RA-4196R	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322	<0.00000600	**<0.000126**	<0.0000819	<0.000149	<0.000104
	RA-4196R	Oct-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	RA-4798	Oct-20		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	0.000877 J	<0.000149	<0.000104
	RA-4798	Apr-21		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	0.00128	<0.000149	<0.000104
	RA-4798	Sep-21		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322	<0.00000536	**<0.000126**	0.00209	<0.000149	<0.000104
	RA-4798	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322	<0.00000536	**<0.000126**	0.000128 J	<0.000149	<0.000104
	RW-12R	Apr-17		**<0.00192**	<0.00160	<0.000650	<0.00192	<0.00130	<0.00199	0.0338		**<0.00190**	<0.00180	<0.00153	<0.00194
	RW-12R	Apr-18		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	0.00448		**<0.000381**	<0.000361	<0.000306	<0.000387
	RW-12R	Apr-19		<0.000385	<0.000319	<0.000130	<0.000383 J4	<0.000259	<0.000398	0.0102		**<0.000381**	<0.000361	<0.000306	<0.000387
	RW-12R	Jun-20		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.00494		**<0.000126**	<0.0000819	<0.000149	<0.000104
	RW-13R	Apr-18		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	0.0443		**<0.000381**	0.000655 J	<0.000306	0.000443 J
	RW-13R	Mar-23		**<0.00735**	<0.00745	<0.00665	**<0.00790**	<0.00500	**<0.00940**	**0.534**	<0.00000547	**<0.00630**	<0.00409	**<0.00745**	**0.113**
	RW-18A	Apr-18		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	<0.000373		**<0.000381**	<0.000361	<0.000306	<0.000387
	RW-18A	Apr-19		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	<0.000373		**<0.000381**	<0.000361	<0.000306	<0.000387
	RW-18A	Jun-20		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	RW-18A	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	RW-20	Apr-15		**<0.00380**	<0.00319	<0.00130	<0.00380	<0.00260	<0.00400	**0.539**	**<0.00380**		<0.00360	<0.00310	**0.113**
	RW-22	Apr-15		**<0.00380**	<0.00319	<0.00130	<0.00380	<0.00260	<0.00400	**0.575**	**<0.00380**		<0.00360	<0.00310	**0.0853**

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Appendix B, Table B.4 - Summary of Groundwater Analytical Data - Volatile Organic Compounds

2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Volatile Organic Compounds											
				Analyte	1,1,1,2-Tetra-chloroethane	1,1,1-Tri-chloroethane	1,1,2,2-Tetra-chloroethane	1,1,2-Tri-chloroethane	1,1-Di-chloroethane	1,1-Di-chloroethene	1,2,4-Trimethyl-benzene	1,2-Dibromoethane (Ethylene dibromide) - 8011	1,2-Dibromoethane (Ethylene dibromide) - 8260	1,2-Di-chloroethane	1,2-Di-chloropropane	1,3,5-Trimethyl-benzene
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	0.000570	0.200	0.0100	0.00500	0.0250	0.00700	0.0560	0.0000500	0.0000500	0.00500	0.00500	0.0600
				CGWSL Source:	USEPA TW	WQCC HH	WQCC HH	WQCC HH	WQCC HH	WQCC HH	WQCC HH	WQCC HH	WQCC HH	WQCC HH	WQCC HH	USEPA TW
Area	**Well ID**	**Date**	**Dup**													
NCL	MW-18	Apr-21		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-18	Apr-22		<0.000147	<0.000149 J4	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-18	Mar-23		<0.000147	<0.000149	<0.000133 J3	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126** J3	<0.0000819 J3	<0.000149	<0.000104
	MW-18	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-45	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-45	Oct-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-45	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-45	Oct-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-45	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-45	Oct-24		<0.000147	<0.000149 J4	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-53	Apr-15		<0.000380	<0.000319	<0.000130	<0.000380	<0.000260	<0.000400	<0.000370	**<0.000380**		<0.000360	<0.000310	<0.000390
	MW-53	Apr-17		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	<0.000373		**<0.000381**	<0.000361	<0.000306	<0.000387
	MW-53	Apr-18		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	<0.000373		**<0.000381**	<0.000361	<0.000306	<0.000387
	MW-53	Apr-19		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	<0.000373		**<0.000381**	<0.000361	<0.000306	<0.000387
	MW-53R	Apr-21		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-53R	Apr-22		<0.000147	<0.000149 J4	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-53R	Mar-23		<0.000147	<0.000149	<0.000133 J3	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126** J3	<0.0000819 J3	<0.000149	<0.000104
	MW-53R	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-54A	Apr-22		<0.000147	<0.000149 J4	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-54A	Oct-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-54A	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-54A	Oct-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-54A	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-54A	Oct-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-54B	Apr-17		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	<0.000373		**<0.000381**	<0.000361	<0.000306	<0.000387
	MW-54B	Apr-19		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	<0.000373		**<0.000381**	<0.000361	<0.000306	<0.000387
	MW-54B	Apr-21		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-54B	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-55	Apr-22		**<0.00147**	<0.00149 J4	<0.00133	<0.00158	<0.00100	<0.00188	<0.00322		**<0.00126**	<0.000819	<0.00149	<0.00104
	MW-55	Oct-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-55	Mar-23		<0.000147	<0.000149	<0.000133 J3	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126** J3	<0.0000819 J3	<0.000149	<0.000104
	MW-55	Oct-23		**<0.00147**	<0.00149	<0.00133	<0.00158	<0.00100	<0.00188	<0.00322		**<0.00126**	<0.000819	<0.00149	<0.00104
	MW-55	Apr-24		**<0.00147**	<0.00149	<0.00133	<0.00158	<0.00100	<0.00188	<0.00322		**<0.00126**	<0.000819	<0.00149	<0.00104
	MW-55	Oct-24		**<0.00147**	<0.00149	<0.00133	<0.00158	<0.00100	<0.00188	<0.00322		**<0.00126**	<0.000819	<0.00149	<0.00104
	MW-56	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-56	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-56	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-56	Oct-24													
	MW-108	Apr-22		<0.000147	<0.000149	0.000143 J	<0.000158	<0.000100	<0.000188	0.00119	<0.00000541	**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-108	Oct-22		<0.000147	<0.000149	<0.000133	0.000652 J	0.000152 J	<0.000188	0.000811 J		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-108	Mar-23		<0.000147	<0.000149	<0.000133 J3	<0.000158	<0.000100	<0.000188	0.00272		**<0.000126** J3	<0.0000819 J3	<0.000149	<0.000104
	MW-108	Oct-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-108	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-108	Oct-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	NCL-31	Apr-22		<0.000147	<0.000149 J4	<0.000133	<0.000158	<0.000100	<0.000188	0.000623 J		**<0.000126**	<0.0000819	<0.000149	0.000135 J
	NCL-31	Oct-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.000386 J		**<0.000126**	<0.0000819	<0.000149	<0.000104
	NCL-31	Mar-23		<0.000147	<0.000149	<0.000133 J3	<0.000158	<0.000100	<0.000188	0.000380 J		**<0.000126** J3	<0.0000819 J3	<0.000149	<0.000104
	NCL-31	Oct-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	NCL-31	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	NCL-31	Oct-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	NCL-32	Apr-22		<0.000147	<0.000149 J4	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	NCL-32	Oct-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.000461 J		**<0.000126**	<0.0000819	<0.000149	0.000111 J
	NCL-32	Mar-23		<0.000147	<0.000149	<0.000133 J3	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126** J3	<0.0000819 J3	<0.000149	<0.000104
	NCL-32	Oct-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.00132		**<0.000126**	<0.0000819	<0.000149	0.000252 J
	NCL-32	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.000711 J		**<0.000126**	<0.0000819	<0.000149	<0.000104
	NCL-32	Oct-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.000773 J		**<0.000126**	<0.0000819	<0.000149	0.000158 J
	NCL-33	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	NCL-33	Oct-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	NCL-33	Mar-23		<0.000147	<0.000149	<0.000133 J3	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126** J3	<0.0000819 J3	<0.000149	<0.000104
	NCL-33	Oct-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	NCL-33	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	NCL-33	Oct-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	NCL-34A	Oct-18		**<0.00385**	<0.00319	<0.00130	<0.00383	<0.00259	<0.00398	0.00612 J		**<0.00381**	<0.00361	<0.00306	<0.00387
	NCL-34A	Apr-19		**<0.00770**	<0.00638	<0.00260	**<0.00766**	<0.00518	**<0.00796**	<0.00746		**<0.00762**	**<0.00722**	**<0.00612**	<0.00774
	NCL-34A	Oct-19		**<0.00193**	<0.00159	<0.000650 J4	<0.00192	<0.00130	<0.00199	0.00369 J		**<0.00191**	<0.00181	<0.00153	0.00207 J
	NCL-34A	Jun-20		**<0.00294**	<0.00298	<0.00266	<0.00316	<0.00200	<0.00376	0.0113 J		**<0.00252**	<0.00164	<0.00298	0.00286 J
	NCL-44	Apr-22		<0.000147	<0.000149 J4	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	NCL-44	Oct-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	NCL-44	Mar-23		<0.000147	<0.000149	<0.000133 J3	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126** J3	<0.0000819 J3	<0.000149	<0.000104
	NCL-44	Oct-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	NCL-44	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	NCL-44	Oct-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	NCL-49	Apr-22		<0.000147	<0.000149 J4	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	NCL-49	Apr-22	FD	<0.000147	<0.000149 J4	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	NCL-49	Oct-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	NCL-49	Oct-22	FD	<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	NCL-49	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	NCL-49	Mar-23	FD	<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	NCL-49	Oct-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	NCL-49	Oct-23	FD	<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	NCL-49	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	NCL-49	Apr-24	FD	<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	NCL-49	Oct-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	NCL-49	Oct-24	FD	<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
North Refinery	MW-23	Apr-19		**<0.0385**	<0.0319	**<0.0130**	**<0.0383**	**<0.0259**	**<0.0398**	<0.0373		**<0.0381**	**<0.0361**	**<0.0306**	<0.0387
	MW-23	Oct-19		**<0.00385**	<0.00319	<0.00130	<0.00383	<0.00259	<0.00398	<0.00373		**<0.00381**	<0.00361	<0.00306	<0.00387
	MW-23	Jun-20		**<0.00147**	<0.00149	<0.00133	<0.00158	<0.00100	<0.00188	<0.00322		**<0.00126**	<0.000819	<0.00149	<0.00104
	MW-23	Oct-20		**<0.00147**	<0.00149	<0.00133	<0.00158	<0.00100	<0.00188	<0.00322		**<0.00126**	<0.000819	<0.00149	<0.00104
	MW-29	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-29	Oct-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	0.000205 J	0.000511 J	<0.000104
	MW-29	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-29	Oct-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-29	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	0.000280 J	<0.000149	<0.000104
	MW-39	Apr-19		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	0.0144		**<0.000381**	<0.000361	<0.000306	0.00508
	MW-39	Oct-19		<0.000385	<0.000319	<0.000130	<0.000383 J4	<0.000259	<0.000398	0.00573		**<0.000381** J4	<0.000361	<0.000306	0.00237
	MW-39	Jun-20		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.00959		**<0.000126**	<0.0000819	<0.000149	0.00206
	MW-39	Oct-20		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.00377		**<0.000126**	<0.0000819	<0.000149	0.00119
	MW-40	Apr-17		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	0.000538 J		**<0.000381**	<0.000361	0.000706 J	<0.000387
	MW-40	Apr-18		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	<0.000373		**<0.000381**	<0.000361	<0.000306	<0.000387
	MW-40	Apr-19		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	<0.000373		**<0.000381**	<0.000361	<0.000306	<0.000387
	MW-40	Jun-20		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-41	Apr-18		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	<0.000373		**<0.000381**	<0.000361	0.00152	<0.000387
	MW-41	Apr-19		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	<0.000373		**<0.000381**	<0.000361	0.00195	<0.000387
	MW-41	Jun-20		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	0.00389	<0.000104
	MW-41	Apr-21		<0.000147 J4	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	0.00281	<0.000104

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Appendix B, Table B.4 - Summary of Groundwater Analytical Data - Volatile Organic Compounds

2024 Annual Groundwater Monitoring Report

HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Volatile Organic Compounds											
				Analyte	1,1,1,2-Tetra-chloroethane	1,1,1-Tri-chloroethane	1,1,2,2-Tetra-chloroethane	1,1,2-Tri-chloroethane	1,1-Di-chloroethane	1,1-Di-chloroethene	1,2,4-Trimethyl-benzene	1,2-Dibromoethane (Ethylene dibromide) - 8011	1,2-Dibromoethane (Ethylene dibromide) - 8260	1,2-Di-chloroethane	1,2-Di-chloropropane	1,3,5-Trimethyl-benzene
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	0.000570	0.200	0.0100	0.00500	0.0250	0.00700	0.0560	0.0000500	0.0000500	0.00500	0.00500	0.0600
				CGWSL Source:	USEPA TW	WQCC HH	WQCC HH	WQCC HH	WQCC HH	WQCC HH	WQCC HH	WQCC HH	WQCC HH	WQCC HH	WQCC HH	USEPA TW
Area	**Well ID**	**Date**	**Dup**													
North Refinery	MW-42	Apr-19		**<0.00192**	<0.00160	<0.000650	<0.00192	<0.00130	<0.00199	0.0148		**<0.00190**	<0.00180	<0.00153	<0.00194
	MW-42	Jun-20		**<0.000735**	<0.000745	<0.000665	<0.000790	<0.000500	<0.000940	0.0163		**<0.000630**	<0.000409	<0.000745	<0.000520
	MW-42	Apr-21		**<0.000735** J4	<0.000745	<0.000665	<0.000790	<0.000500	<0.000940	0.00322 J		**<0.000630**	<0.000409	0.00220 J	<0.000520
	MW-42	Apr-22		**<0.000735**	<0.000745	<0.000665	<0.000790	<0.000500	<0.000940	0.00908		**<0.000630**	0.000571 J	<0.000745	0.00238 J
	MW-43	Apr-19		**<0.0770**	<0.0638	**<0.0260**	**<0.0766**	**<0.0518**	**<0.0796**	**0.450**		**<0.0762**	**<0.0722**	**<0.0612**	**0.0997 J**
	MW-43	Oct-19		**<0.0770**	<0.0638	**<0.0260**	**<0.0766**	**<0.0518**	**<0.0796**	**0.423**		**<0.0762**	**<0.0722**	**0.0867 J**	**0.128 J**
	MW-43	Jun-20		**<0.00294**	<0.00298	<0.00266	<0.00316	<0.00200	<0.00376	**0.284**		**<0.00252**	<0.00164	<0.00298	0.00304 J
	MW-43	Oct-20		**<0.00735**	<0.00745	<0.00665	**<0.00790**	<0.00500	**<0.00940**	**0.302**		**<0.00630**	<0.00409	**<0.00745**	<0.00520
	MW-59	Apr-17		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	<0.000373		**<0.000381**	<0.000361	<0.000306	<0.000387
	MW-59	Apr-18		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	<0.000373		**<0.000381**	<0.000361	<0.000306	<0.000387
	MW-59	Apr-19		<0.000385	<0.000319	<0.000130	<0.000383 J4	<0.000259	<0.000398	<0.000373		**<0.000381**	<0.000361	<0.000306	<0.000387
	MW-59	Jun-20		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-60	Jun-20		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-60	Jun-20	FD	<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.000401 J		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-60	Oct-20		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-60	Oct-20	FD	<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-61	Apr-22		**<0.00735**	<0.00745	<0.00665	**<0.00790**	<0.00500	**<0.00940**	**0.260**		**<0.00630**	<0.00409	**<0.00745**	0.0348 J
	MW-61	Oct-22		**<0.00735**	<0.00745	<0.00665	**<0.00790**	<0.00500	**<0.00940**	**0.372**		**<0.00630**	<0.00409	**<0.00745**	0.0448 J
	MW-61	Mar-23		**<0.00735**	<0.00745	<0.00665	**<0.00790**	<0.00500	**<0.00940**	**0.230**		**<0.00630**	<0.00409	**<0.00745**	0.0280 J
	MW-61	Oct-23		**<0.00147**	<0.00149	<0.00133	<0.00158	<0.00100	<0.00188	**0.312**		**<0.00126**	<0.000819	<0.00149	0.0351
	MW-61	Apr-24		**<0.00294**	<0.00298	<0.00266	<0.00316	<0.00200	<0.00376	**0.336**		**<0.00252**	<0.00164	<0.00298	0.0399
	MW-61	Oct-24		**<0.00147**	<0.00149	<0.00133	<0.00158	<0.00100	<0.00188	**0.268**		**<0.00126**	<0.000819	<0.00149	0.0469
	MW-62	Oct-20		**<0.00294**	<0.00298	<0.00266	<0.00316	<0.00200	<0.00376	**0.347**		**<0.00252**	<0.00164	<0.00298	**0.0783**
	MW-62	Sep-21		**<0.00735**	<0.00745	<0.00665	**<0.00790**	<0.00500	**<0.00940**	**1.20**	<0.00000536	**<0.00630**	<0.00409	**<0.00745**	**0.204**
	MW-62	Apr-22		**<0.00735**	<0.00745	<0.00665	**<0.00790**	<0.00500	**<0.00940**	**1.12**	<0.00000536	**<0.00630**	<0.00409	**<0.00745**	**0.219**
	MW-62	Oct-22		**<0.00735**	<0.00745	<0.00665	**<0.00790**	<0.00500	**<0.00940**	**0.520**		**<0.00630**	<0.00409	**<0.00745**	**0.0668**
	MW-62R	Apr-21		**<0.00735**	<0.00745	<0.00665	**<0.00790**	<0.00500	**<0.00940**	0.0469 J		**<0.00630**	<0.00409	**<0.00745**	<0.00520
	MW-62R	Apr-22		**<0.00147**	<0.00149	<0.00133	<0.00158	<0.00100	<0.00188	0.0196		**<0.00126**	<0.000819	<0.00149	0.00482 J
	MW-62R	Mar-23		**<0.0147**	<0.0149	**<0.0133**	**<0.0158**	<0.0100	**<0.0188**	<0.0322		**<0.0126**	**<0.00819**	**<0.0149**	<0.0104
	MW-62R	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.00898		**<0.000126**	<0.0000819	<0.000149	0.00150
	MW-67	Oct-17		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	0.00119		**<0.000381**	<0.000361	<0.000306	<0.000387
	MW-67	Apr-18		**<0.00192**	<0.00160	<0.000650	<0.00192	<0.00130	<0.00199	0.00206 J		**<0.00190**	<0.00180	<0.00153	<0.00194
	MW-67	Oct-18		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	0.000557 J		**<0.000381**	<0.000361	<0.000306	<0.000387
	MW-67	Apr-19		**<0.00192**	<0.00160	<0.000650	<0.00192	<0.00130	<0.00199	<0.00186		**<0.00190**	<0.00180	<0.00153	<0.00194
	MW-90	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-90	Oct-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-90	Mar-23		**<0.00147**	<0.00149	<0.00133	<0.00158	<0.00100	<0.00188	<0.00322		**<0.00126**	<0.000819	<0.00149	<0.00104
	MW-90	Oct-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-90	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-90	Oct-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-91	Oct-18		**<0.0385**	<0.0319	**<0.0130**	**<0.0383**	**<0.0259**	**<0.0398**	**0.182**		**<0.0381**	**<0.0361**	**<0.0306**	0.0510 J
	MW-91	Apr-19		**<0.0385**	<0.0319	**<0.0130**	**<0.0383**	**<0.0259**	**<0.0398**	**0.216**		**<0.0381**	**<0.0361**	**<0.0306**	0.0571 J
	MW-91	Oct-19		**<0.0385**	<0.0319	**<0.0130**	**<0.0383** J4	**<0.0259**	**<0.0398**	**0.239**		**<0.0381** J4	**<0.0361**	**<0.0306**	**0.0675 J**
	MW-91	Jun-20		**<0.0147**	<0.0149	**<0.0133**	**<0.0158**	<0.0100	**<0.0188**	**0.234**		**<0.0126**	**<0.00819**	**<0.0149**	**0.0671 J**
	MW-93	Apr-17		**<0.00962**	<0.00798	<0.00325	**<0.00958**	<0.00648	**<0.00995**	**0.148**		**<0.00952**	**<0.00902**	**<0.00765**	0.0236 J
	MW-93	Apr-18		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	**0.116**		**<0.000381**	<0.000361	0.00116	0.0260
	MW-93	Apr-19		<0.000385	<0.000319	<0.000130	0.000927 J	<0.000259	<0.000398	**0.187**		**<0.000381**	<0.000361	<0.000306	0.0356
	MW-93	Jun-20		**<0.00294**	<0.00298	<0.00266	<0.00316	<0.00200	<0.00376	**0.111**		**<0.00252**	<0.00164	<0.00298	0.0243
	MW-94	Nov-14		**<0.00770**	<0.00640	<0.00260	**<0.00770**	<0.00520	**<0.00800**	**0.540**	**<0.00760**		**<0.00720**	**<0.00610**	**0.120**
	MW-94	Oct-15		**<0.00385**	<0.00319	<0.00130	<0.00383	<0.00259	<0.00398	**0.432**	**<0.00381**		<0.00361	<0.00306	**0.0857**
	MW-94	Apr-17		**<0.00962**	<0.00798	<0.00325	**<0.00958**	<0.00648	**<0.00995**	**0.398**		**<0.00952**	**<0.00902**	**<0.00765**	**0.0785**
	MW-95	Apr-17		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	<0.000373		**<0.000381**	<0.000361	<0.000306	<0.000387
	MW-95	Apr-18		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	<0.000373		**<0.000381**	<0.000361	<0.000306	<0.000387
	MW-95	Apr-19		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	<0.000373		**<0.000381**	<0.000361	<0.000306	<0.000387
	MW-95	Jun-20		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-96	Apr-22		**<0.00147**	<0.00149	<0.00133	<0.00158	<0.00100	<0.00188	0.00475 J		**<0.00126**	<0.000819	<0.00149	<0.00104
	MW-96	Oct-22		**<0.00294**	<0.00298	<0.00266	<0.00316	<0.00200	<0.00376	<0.00644		**<0.00252**	<0.00164	<0.00298	<0.00208
	MW-96	Mar-23		**<0.147**	<0.149	**<0.133** J3	**<0.158**	**<0.100**	**<0.188**	**<0.322**		**<0.126** J3	**<0.0819** J3	**<0.149**	**<0.104**
	MW-96	Oct-23		**<0.00147**	<0.00149	<0.00133	<0.00158	<0.00100	<0.00188	<0.00322		**<0.00126**	<0.000819	<0.00149	<0.00104
	MW-96	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.000489 J		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-96	Oct-24		**<0.147**	<0.149	**<0.133**	**<0.158**	**<0.100**	**<0.188**	**<0.322**		**<0.126**	**<0.0819**	**<0.149**	**<0.104**
	MW-98	Apr-22		**<0.00735**	<0.00745	<0.00665	**<0.00790**	<0.00500	**<0.00940**	**0.437**		**<0.00630**	<0.00409	**<0.00745**	**0.109**
	MW-98	Oct-22		**<0.00735**	<0.00745	<0.00665	**<0.00790**	<0.00500	**<0.00940**	**0.469**		**<0.00630**	<0.00409	**<0.00745**	**0.102**
	MW-98	Mar-23		**<0.0294**	<0.0298	**<0.0266**	**<0.0316**	<0.0200	**<0.0376**	**0.495**		**<0.0252**	**<0.0164**	**<0.0298**	**0.105 J**
	MW-98	Oct-23		**<0.00147**	<0.00149	<0.00133	<0.00158	<0.00100	<0.00188	**0.561**		**<0.00126**	<0.000819	<0.00149	**0.126**
	MW-98	Apr-24		**<0.00735**	<0.00745	<0.00665	**<0.00790**	<0.00500	**<0.00940**	**0.421**		**<0.00630**	<0.00409	**<0.00745**	**0.0966**
	MW-98	Oct-24		**<0.00735**	<0.00745	<0.00665	**<0.00790**	<0.00500	**<0.00940**	**0.480**		**<0.00630**	<0.00409	**<0.00745**	**0.115**
	MW-137	Oct-17		**<0.0770**	<0.0638	**<0.0260**	**<0.0766**	**<0.0518**	**<0.0796**	**0.559**		**<0.0762**	**<0.0722**	**<0.0612**	**0.137 J**
	MW-137	Apr-18		**<0.0770**	<0.0638	**<0.0260**	**<0.0766**	**<0.0518**	**<0.0796**	**0.531**		**<0.0762**	**<0.0722**	**<0.0612**	**0.125 J**
	MW-137	Oct-18		**<0.0770**	<0.0638	**<0.0260**	**<0.0766**	**<0.0518**	**<0.0796**	**0.342**		**<0.0762**	**<0.0722**	**<0.0612**	**<0.0774**
	MW-137	Apr-19		**<0.0770**	<0.0638	**<0.0260**	**<0.0766**	**<0.0518**	**<0.0796**	**0.426**		**<0.0762**	**<0.0722**	**<0.0612**	**0.0946 J**
	MW-138	Oct-17		**<0.00192**	<0.00160	<0.000650	<0.00192	<0.00130	<0.00199	0.00547		**<0.00190**	<0.00180	<0.00153	<0.00194
	MW-138	Apr-18		**<0.00192**	<0.00160	<0.000650	<0.00192	<0.00130	<0.00199	0.0413		**<0.00190**	<0.00180	<0.00153	0.00633
	MW-138	Oct-18		**<0.00192**	<0.00160	<0.000650	<0.00192	<0.00130	<0.00199	**0.0799**		**<0.00190**	<0.00180	<0.00153	0.0121
	MW-138	Apr-19		**<0.00192**	<0.00160	<0.000650	<0.00192	<0.00130	<0.00199	**0.126**		**<0.00190**	<0.00180	<0.00153	0.0214
	MW-157	Oct-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	RW-1	Apr-15		**<0.0190**	<0.0160	<0.00650	**<0.0190**	<0.0130	**<0.0200**	<0.0190	**<0.0190**		**<0.0180**	**<0.0150**	<0.0190
	RW-1	Apr-17		**<0.00385**	<0.00319	<0.00130	<0.00383	<0.00259	<0.00398	<0.00373		**<0.00381**	<0.00361	<0.00306	<0.00387
	RW-1	Apr-18		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	0.00110	0.0303		**<0.000381**	<0.000361	<0.000306	0.00550
	RW-1	Apr-19		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	0.00107	0.0348		**<0.000381**	<0.000361	<0.000306	0.00566
	RW-2	Apr-15		**<0.00380**	<0.00319	<0.00130	<0.00380	<0.00260	<0.00400	**0.330**	**<0.00380** UJ		<0.00360 UJ	<0.00310	**0.0772**
	RW-2	Apr-17		**<0.0192**	<0.0160	<0.00650	**<0.0192**	<0.0130	**<0.0199**	**0.271**		**<0.0190**	**<0.0180**	**<0.0153**	**0.0664**
	RW-2	Apr-18		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	0.00122	**0.329**		**<0.000381**	<0.000361	0.000959 J	**0.0783**
	RW-2	Mar-23		**<0.00294**	<0.00298	<0.00266	<0.00316	<0.00200	<0.00376	**0.0692**		**<0.00252**	<0.00164	<0.00298	0.0187 J
	RW-7	Apr-17		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	<0.000373		**<0.000381**	<0.000361	<0.000306	<0.000387
	RW-7	Apr-18		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	0.00502		**<0.000381**	<0.000361	<0.000306	0.000415 J
	RW-7	Apr-19		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	0.00114		**<0.000381**	<0.000361	<0.000306	<0.000387
	RW-7	Jun-20		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.000639 J		**<0.000126**	<0.0000819	<0.000149	<0.000104
	RW-8	Apr-15		**<0.00380**	<0.00319	<0.00130	<0.00380	<0.00260	<0.00400	0.00710 J	**<0.00380**		<0.00360	<0.00310	<0.00390
	RW-8	Apr-17		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	**0.0928**		**<0.000381**	0.00343	<0.000306	0.0249
	RW-9	Apr-21		<0.000147 J4	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.00294		**<0.000126**	<0.0000819	0.00106	0.000584 J
	RW-9	Apr-22		**<0.00147**	<0.00149	<0.00133	<0.00158	<0.00100	<0.00188	<0.00322	<0.00000557	**<0.00126**	<0.000819	<0.00149	<0.00104
	RW-9	Mar-23		**<0.00147**	<0.00149	<0.00133	<0.00158	<0.00100	<0.00188	<0.00322	<0.00000547	**<0.00126**	<0.000819	<0.00149	<0.00104
	RW-9	Apr-24		**<0.00147**	<0.00149	<0.00133	<0.00158	<0.00100	<0.00188	<0.00322		**<0.00126**	<0.000819	<0.00149	<0.00104
	RW-10	Apr-18		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	0.000631 J		**<0.000381**	<0.000361	<0.000306	<0.000387
	RW-10	Apr-19		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	0.000377 J		**<0.000381**	<0.000361	<0.000306	<0.000387
	RW-10	Jun-20		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.000959 J		**<0.000126**	<0.0000819	<0.000149	0.000180 J
	RW-10	Apr-21		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.00429		**<0.000126**	<0.0000819	<0.000149	0.000850 J
	RW-16B	Apr-18		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	<0.000373		**<0.000381**	<0.000361	<0.000306	<0.000387
	RW-16B	Apr-19		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	<0.000373		**<0.000381**	<0.000361	<0.000306	<0.000387
	RW-16B	Jun-20		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.000398 J		**<0.000126**	<0.0000819	<0.000149	0.000156 J
	RW-16B	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.000633 J		**<0.000126**	<0.0000819	<0.000149	<0.000104
	RW-17A	Apr-18		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	<0.000373		**<0.000381**	<0.000361	<0.000306	<0.000387
	RW-17A	Apr-19		<0.000385 J4	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	<0.000373		**<0.000381** J4	<0.000361	<0.000306	<0.000387
	RW-17A	Jun-20		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	RW-17A	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104

Appendix B, Table B.4 - Summary of Groundwater Analytical Data - Volatile Organic Compounds

2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Volatile Organic Compounds											
				Analyte	1,1,1,2-Tetra-chloroethane	1,1,1-Tri-chloroethane	1,1,2,2-Tetra-chloroethane	1,1,2-Tri-chloroethane	1,1-Di-chloroethane	1,1-Di-chloroethene	1,2,4-Trimethyl-benzene	1,2-Dibromoethane (Ethylene dibromide) - 8011	1,2-Dibromoethane (Ethylene dibromide) - 8260	1,2-Di-chloroethane	1,2-Di-chloropropane	1,3,5-Trimethyl-benzene
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	0.000570	0.200	0.0100	0.00500	0.0250	0.00700	0.0560	0.0000500	0.0000500	0.00500	0.00500	0.0600
				CGWSL Source:	USEPA TW	WQCC HH	WQCC HH	WQCC HH	WQCC HH	WQCC HH	WQCC HH	WQCC HH	WQCC HH	WQCC HH	WQCC HH	USEPA TW
Area	**Well ID**	**Date**	**Dup**													
North RO Field	MW-117	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-117	Oct-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-117	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-117	Oct-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-117	Apr-24		<0.000147	<0.000149 J4	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819 J4	<0.000149	<0.000104
	MW-117	Oct-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-118	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-118	Oct-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-118	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-118	Oct-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-118	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-118	Oct-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-119	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-119	Oct-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-119	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-119	Oct-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-119	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.000662 J		**<0.000126**	<0.0000819	<0.000149	0.000151 J
	MW-119	Oct-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-140	Mar-23													
	MW-140	Oct-23													
	MW-140	Apr-24													
	MW-140	Oct-24													
	MW-141	Mar-23													
	MW-141	Oct-23													
	MW-141	Apr-24													
	MW-141	Oct-24													
	MW-142	Mar-23													
	MW-142	Oct-23													
	MW-142	Apr-24													
	MW-142	Oct-24													
	MW-143	Mar-23													
	MW-143	Oct-23													
	MW-143	Apr-24													
	MW-143	Oct-24													
	MW-162	Oct-24													
South Refinery	KWB-2R	Oct-19		<0.000385	<0.000319	<0.000130	<0.000383 J4	<0.000259	<0.000398	**0.139**		**<0.000381** J4	<0.000361	<0.000306	0.00233
	KWB-2R	Mar-23		**<0.000735**	<0.000745	<0.000665	<0.000790	<0.000500	<0.000940	**0.0649**		**<0.000630**	<0.000409	<0.000745	0.0201
	KWB-2R	Oct-23		**<0.000735**	<0.000745	<0.000665	<0.000790	<0.000500	<0.000940	0.00513		**<0.000630**	<0.000409	<0.000745	0.00235 J
	KWB-2R	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.0121		**<0.000126**	<0.0000819	<0.000149	0.00331
	KWB-5	Oct-17		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	**<0.0932**		**<0.000381**	<0.000361	<0.000306	<0.000387
	KWB-5	Apr-18		**<0.0962**	<0.0798	**<0.0325**	**<0.0958**	**<0.0648**	**<0.0995**	**<0.0932**		**<0.0952**	**<0.0902**	**<0.0765**	**<0.0968**
	KWB-5	Oct-18		**<0.0962**	<0.0798	**<0.0325**	**<0.0958**	**<0.0648**	**<0.0995**	**<0.0932**		**<0.0952**	**<0.0902**	**<0.0765**	**<0.0968**
	KWB-5	Apr-19		**<0.0962**	<0.0798	**<0.0325**	**<0.0958**	**<0.0648**	**<0.0995**	**<0.0932**		**<0.0952**	**<0.0902**	**<0.0765**	**<0.0968**
	KWB-6	Apr-17		**<0.00192**	<0.00160	<0.000650	<0.00192	<0.00130	<0.00199	**0.399**		**<0.00190**	0.00451 J	<0.00153	0.0517
	KWB-6	Oct-17		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	**0.206**		**<0.000381**	<0.000361	<0.000306	0.0302
	KWB-6	Apr-18		**<0.00770**	<0.00638	<0.00260	**<0.00766**	<0.00518	**<0.00796**	**0.164**		**<0.00762**	**<0.00722**	**<0.00612**	0.0557
	KWB-6	Oct-18		**<0.00770**	<0.00638	<0.00260	**<0.00766**	<0.00518	**<0.00796**	**0.122**		**<0.00762**	**<0.00722**	**<0.00612**	**0.0611**
	MW-28	Apr-19		**<0.0192**	<0.0160	<0.00650	**<0.0192** J4	<0.0130	**<0.0199**	**0.107**		**<0.0190**	**<0.0180**	**<0.0153**	<0.0194
	MW-28	Oct-19		**<0.0193**	<0.0159	<0.00650	**<0.0192**	<0.0130	**<0.0199**	**0.213**		**<0.0191**	**<0.0181**	**<0.0153**	0.0243 J
	MW-28	Jun-20		**<0.000735**	<0.000745	<0.000665	<0.000790	<0.000500	<0.000940	0.0527		**<0.000630**	<0.000409	<0.000745	<0.000520
	MW-28	Oct-20		**<0.000735**	<0.000745	<0.000665	<0.000790	<0.000500	<0.000940	0.0430		**<0.000630**	<0.000409	<0.000745	0.00133 J
	MW-48	Apr-18		**<0.0962**	<0.0798	**<0.0325**	**<0.0958**	**<0.0648**	**<0.0995**	**0.381**		**<0.0952**	**<0.0902**	**<0.0765**	**<0.0968**
	MW-48	Oct-18		**<0.0962**	<0.0798	**<0.0325**	**<0.0958**	**<0.0648**	**<0.0995**	**0.377**		**<0.0952**	**<0.0902**	**<0.0765**	**<0.0968**
	MW-48	Apr-19		**<0.0962**	<0.0798	**<0.0325**	**<0.0958**	**<0.0648**	**<0.0995**	**0.564**		**<0.0952**	**<0.0902**	**<0.0765**	**<0.0968**
	MW-48	Oct-19		**<0.0963**	<0.0798	**<0.0325**	**<0.0958**	**<0.0648**	**<0.0995**	**0.240 J**		**<0.0953**	**<0.0903**	**<0.0765**	**<0.0967**
	MW-50	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.000435 J	<0.00000584	**<0.000126**	<0.0000819	<0.000149	0.000404 J
	MW-50	Oct-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.000450 J		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-50	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.000541 J		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-50	Oct-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.000669 J		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-50	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-50	Oct-24		<0.000147	<0.000149 J4	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-52	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-52	Oct-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-52	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-52	Oct-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.00129		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-52	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-52	Oct-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-64	Apr-22		**<0.00368**	<0.00373	<0.00333	<0.00395	<0.00250	<0.00470	**0.483**		**<0.00315**	<0.00205	<0.00373	**0.0957**
	MW-64	Oct-22		**<0.0368**	<0.0373	**<0.0333**	**<0.0395**	<0.0250	**<0.0470**	**0.438**		**<0.0315**	**<0.0205**	**<0.0373**	**0.0964 J**
	MW-64	Mar-23		**<0.0735**	<0.0745	**<0.0665**	**<0.0790**	**<0.0500**	**<0.0940**	**0.596**		**<0.0630**	**<0.0409**	**<0.0745**	**0.142 J**
	MW-64	Oct-23		**<0.0147**	<0.0149	**<0.0133**	**<0.0158**	<0.0100	**<0.0188**	**0.580**		**<0.0126**	**<0.00819**	**<0.0149**	**0.125**
	MW-64	Apr-24		**<0.0735**	<0.0745 J4	**<0.0665**	**<0.0790**	**<0.0500**	**<0.0940**	**0.792**		**<0.0630**	**<0.0409** J4	**<0.0745**	**0.194 J**
	MW-64	Oct-24		**<0.0735**	<0.0745	**<0.0665**	**<0.0790**	**<0.0500**	**<0.0940**	**0.494 J**		**<0.0630**	**<0.0409**	**<0.0745**	<0.0520
	MW-65	Oct-19		**<0.0385**	<0.0319	**<0.0130**	**<0.0383** J4	**<0.0259**	**<0.0398**	<0.0373		**<0.0381** J4	**<0.0361**	**<0.0306**	<0.0387
	MW-65	Mar-23		<0.000147	<0.000149	<0.000133 J3	<0.000158	<0.000100	<0.000188	0.00173		**<0.000126** J3	<0.0000819 J3	<0.000149	0.00101
	MW-65	Oct-23		**<0.00368**	<0.00373	<0.00333	<0.00395	<0.00250	<0.00470	<0.00805		**<0.00315**	<0.00205	<0.00373	<0.00260
	MW-65	Apr-24		**<0.00368**	<0.00373 J4	<0.00333	<0.00395	<0.00250	<0.00470	<0.00805		**<0.00315**	<0.00205 J4	<0.00373	<0.00260
	MW-66	Oct-19		**<0.00963**	<0.00797	<0.00325	**<0.00958**	<0.00648	**<0.00995**	<0.00933		**<0.00953**	**<0.00903**	**<0.00765**	<0.00968
	MW-66	Jun-20		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.000705 J		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-66	Oct-20		**<0.00147**	<0.00149	<0.00133	<0.00158	<0.00100	<0.00188	<0.00322		**<0.00126**	<0.000819	<0.00149	<0.00104
	MW-66	Apr-21		**<0.00147**	<0.00149	<0.00133	<0.00158	<0.00100	<0.00188	0.00570 J		**<0.00126**	<0.000819	<0.00149	0.00114 J
	MW-99	Oct-18		**<0.0385**	<0.0319	**<0.0130**	**<0.0383**	**<0.0259**	**<0.0398**	**0.284**		**<0.0381**	**<0.0361**	**<0.0306**	<0.0387
	MW-99	Apr-19		**<0.0385**	<0.0319	**<0.0130**	**<0.0383** J4	**<0.0259**	**<0.0398**	**0.352**		**<0.0381**	**<0.0361**	**<0.0306**	<0.0387
	MW-99	Oct-19		**<0.0385**	<0.0319	**<0.0130**	**<0.0383**	**<0.0259**	**<0.0398**	**0.234**		**<0.0381**	**<0.0361**	**<0.0306**	<0.0387
	MW-99	Jun-20		**<0.00147**	<0.00149	<0.00133	<0.00158	<0.00100	<0.00188	**0.149**		**<0.00126**	<0.000819	<0.00149	<0.00104
	MW-101	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.000845 J		**<0.000126**	<0.0000819	<0.000149	0.000556 J
	MW-101	Oct-22		<0.000147	<0.000149	0.000509 J	0.00134	<0.000100	<0.000188	0.00640		**<0.000126**	<0.0000819	0.000235 J	0.000484 J
	MW-101	Mar-23		**<0.00147**	<0.00149	<0.00133	<0.00158	<0.00100	<0.00188	**0.0707**		**<0.00126**	<0.000819	<0.00149	0.00255 J
	MW-101	Oct-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-101	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-101	Oct-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.00449		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-102	Apr-22		**<0.00735**	<0.00745	<0.00665	**<0.00790**	<0.00500	**<0.00940**	**0.119**	<0.00000552	**<0.00630**	<0.00409	**<0.00745**	0.0326 JB
	MW-102	Apr-22	FD	**<0.00368**	<0.00373	<0.00333	<0.00395	<0.00250	<0.00470	**0.123**	<0.00000557	**<0.00315**	<0.00205	<0.00373	0.0192 J
	MW-102	Oct-22		**<0.0368**	<0.0373	**<0.0333**	**<0.0395**	<0.0250	**<0.0470**	**0.171 J**		**<0.0315**	**<0.0205**	**<0.0373**	0.0398 J
	MW-102	Oct-22	FD	**<0.0368**	<0.0373	**<0.0333**	**<0.0395**	<0.0250	**<0.0470**	**0.171 J**		**<0.0315**	**<0.0205**	**<0.0373**	0.0402 J
	MW-102	Mar-23		**<0.0294**	<0.0298	**<0.0266**	**<0.0316**	<0.0200	**<0.0376**	**0.184 J**		**<0.0252**	**<0.0164**	**<0.0298**	0.0382 J
	MW-102	Mar-23	FD	**<0.0147**	<0.0149	**<0.0133**	**<0.0158**	<0.0100	**<0.0188**	**0.159**		**<0.0126**	**<0.00819**	**<0.0149**	0.0299 J
	MW-102	Oct-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	**0.190**		**<0.000126**	<0.0000819	<0.000149	0.0351
	MW-102	Oct-23	FD	**<0.0368**	<0.0373	**<0.0333**	**<0.0395**	<0.0250	**<0.0470**	**0.143 J**		**<0.0315**	**<0.0205**	**<0.0373**	0.0311 J
	MW-102	Apr-24		**<0.00147**	<0.00149	<0.00133	<0.00158	<0.00100	<0.00188	**0.257**		**<0.00126**	<0.000819	<0.00149	0.0526
	MW-102	Apr-24	FD	**<0.00147**	<0.00149	<0.00133	<0.00158	<0.00100	<0.00188	**0.210**		**<0.00126**	0.00240 J	<0.00149	0.0418
	MW-102	Oct-24		**<0.0368**	<0.0373	**<0.0333**	**<0.0395**	<0.0250	**<0.0470**	**0.113 J**		**<0.0315**	**<0.0205**	**<0.0373**	<0.0260
	MW-102	Oct-24	FD	**<0.0368**	<0.0373	**<0.0333**	**<0.0395**	<0.0250	**<0.0470**	**0.152 J**		**<0.0315**	**<0.0205**	**<0.0373**	<0.0260
	MW-103	Apr-21		**<0.00294**	<0.00298	<0.00266	<0.00316	<0.00200	<0.00376	<0.00644		**<0.00252**	<0.00164	<0.00298	<0.00208
	MW-103	Apr-22		**<0.00147**	<0.00149	<0.00133	<0.00158	<0.00100	<0.00188	<0.00322		**<0.00126**	<0.000819	<0.00149	<0.00104
	MW-103	Mar-23		**<0.00147**	<0.00149	<0.00133	<0.00158	<0.00100	<0.00188	<0.00322		**<0.00126**	<0.000819	<0.00149	<0.00104
	MW-103	Apr-24		**<0.00147**	<0.00149 J4	<0.00133	<0.00158	<0.00100	<0.00188	<0.00322		**<0.00126**	<0.000819 J4	<0.00149	<0.00104
	MW-104	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-104	Oct-22		<0.000147	<0.000149	0.000258 J	0.00474	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-104	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-104	Oct-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-104	Apr-24		<0.000147	<0.000149 J4	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819 J4	<0.000149	<0.000104
	MW-104	Oct-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104

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Appendix B, Table B.4 - Summary of Groundwater Analytical Data - Volatile Organic Compounds

2024 Annual Groundwater Monitoring Report

HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Volatile Organic Compounds											
				Analyte	1,1,1,2-Tetra-chloroethane	1,1,1-Tri-chloroethane	1,1,2,2-Tetra-chloroethane	1,1,2-Tri-chloroethane	1,1-Di-chloroethane	1,1-Di-chloroethene	1,2,4-Trimethyl-benzene	1,2-Dibromoethane (Ethylene dibromide) - 8011	1,2-Dibromoethane (Ethylene dibromide) - 8260	1,2-Di-chloroethane	1,2-Di-chloropropane	1,3,5-Trimethyl-benzene
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	0.000570	0.200	0.0100	0.00500	0.0250	0.00700	0.0560	0.0000500	0.0000500	0.00500	0.00500	0.0600
				CGWSL Source:	USEPA TW	WQCC HH	WQCC HH	WQCC HH	WQCC HH	WQCC HH	WQCC HH	WQCC HH	WQCC HH	WQCC HH	WQCC HH	USEPA TW
Area	**Well ID**	**Date**	**Dup**													
South Refinery	MW-105	Apr-22		**<0.00368**	<0.00373	<0.00333	<0.00395	<0.00250	<0.00470	0.0444		**<0.00315**	<0.00205	<0.00373	0.00611 J
	MW-105	Oct-22		**<0.0147**	<0.0149	**<0.0133**	**<0.0158**	<0.0100	**<0.0188**	0.0428 J		**<0.0126**	**<0.00819**	**<0.0149**	<0.0104
	MW-105	Mar-23		**<0.0147**	<0.0149	**<0.0133**	**<0.0158**	<0.0100	**<0.0188**	0.0363 J		**<0.0126**	**<0.00819**	**<0.0149**	<0.0104
	MW-105	Oct-23		**<0.000735**	<0.000745	<0.000665	<0.000790	<0.000500	<0.000940	0.0244		**<0.000630**	<0.000409	<0.000745	0.00336 J
	MW-105	Apr-24		**<0.00147**	<0.00149	<0.00133	<0.00158	<0.00100	<0.00188	0.0389		**<0.00126**	<0.000819	<0.00149	0.00183 J
	MW-105	Oct-24		**<0.000735**	<0.000745	<0.000665	<0.000790	<0.000500	<0.000940	0.0415		**<0.000630**	<0.000409	<0.000745	0.00548
	MW-106	Apr-21		**<0.0294**	<0.0298	**<0.0266**	**<0.0316**	<0.0200	**<0.0376**	**0.116 J**		**<0.0252**	**<0.0164**	**<0.0298**	<0.0208
	MW-106	Oct-23		**<0.00147**	<0.00149	<0.00133	<0.00158	<0.00100	<0.00188	0.0301		**<0.00126**	<0.000819	<0.00149	0.00603 J
	MW-106	Apr-24		**<0.00368**	<0.00373	<0.00333	<0.00395	<0.00250	<0.00470	**0.0953**		**<0.00315**	<0.00205	<0.00373	0.0160 J
	MW-106	Oct-24		**<0.0735**	<0.0745	**<0.0665**	**<0.0790**	**<0.0500**	**<0.0940**	**<0.161**		**<0.0630**	**<0.0409**	**<0.0745**	<0.0520
	MW-107	Oct-15		**<0.0385**	<0.0319	**<0.0130**	**<0.0383**	**<0.0259**	**<0.0398**	**0.100**	**<0.0381**		**<0.0361**	**<0.0306**	<0.0387
	MW-107	Apr-17		**<0.0192**	<0.0160	<0.00650	**<0.0192**	<0.0130	**<0.0199**	<0.0186		**<0.0190**	**<0.0180**	**<0.0153**	<0.0194
	MW-107	Apr-18		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	0.00228		**<0.000381**	<0.000361	<0.000306	0.00425
	MW-107	Apr-19		**<0.0962**	<0.0798	**<0.0325**	**<0.0958** J4	**<0.0648**	**<0.0995**	**<0.0932**		**<0.0952**	**<0.0902**	**<0.0765**	**<0.0968**
	MW-109	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.00292		**<0.000126**	<0.0000819	<0.000149	0.00130
	MW-109	Oct-22		**<0.00368**	<0.00373	<0.00333	<0.00395	<0.00250	<0.00470	<0.00805		**<0.00315**	<0.00205	<0.00373	<0.00260
	MW-109	Mar-23		**<0.00735**	<0.00745	<0.00665	**<0.00790**	<0.00500	**<0.00940**	<0.0161		**<0.00630**	<0.00409	**<0.00745**	<0.00520
	MW-109	Oct-23		**<0.00368**	<0.00373	<0.00333	<0.00395	<0.00250	<0.00470	<0.00805		**<0.00315**	<0.00205	<0.00373	<0.00260
	MW-109	Apr-24		**<0.00368**	<0.00373	<0.00333	<0.00395	<0.00250	<0.00470	<0.00805		**<0.00315**	<0.00205	<0.00373	<0.00260
	MW-109	Oct-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.00132		**<0.000126**	<0.0000819	<0.000149	0.000911 J
	MW-110	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.0316		**<0.000126**	<0.0000819	<0.000149	0.00428
	MW-110	Oct-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.00107		**<0.000126**	<0.0000819	<0.000149	0.000243 J
	MW-110	Mar-23		<0.000147	<0.000149	<0.000133	0.00287	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-110	Oct-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.000456 J		**<0.000126**	<0.0000819	<0.000149	0.000161 J
	MW-110	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	0.000107 J
	MW-110	Oct-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.000365 J		**<0.000126**	<0.0000819	<0.000149	0.000222 J
	MW-139	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-139	Oct-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-139	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-139	Oct-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-139	Apr-24		<0.000147	<0.000149	<0.000133	0.00148	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-139	Oct-24		<0.000147	<0.000149 J4	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-158	Oct-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-159	Oct-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	RA-313	Apr-21		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	RA-313	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	RA-313	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	RA-313	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	RW-4	Jun-20		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.000958 J		**<0.000126**	<0.0000819	<0.000149	0.000329 J
	RW-4	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.00184		**<0.000126**	<0.0000819	<0.000149	0.000602 JB
	RW-4	Mar-23		<0.000147	<0.000149	<0.000133	0.00194	<0.000100	<0.000188	0.00279		**<0.000126**	<0.0000819	<0.000149	0.000271 J
	RW-4	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.0101		**<0.000126**	<0.0000819	<0.000149	<0.000104
	RW-5R	Apr-15		**<0.00380**	<0.00319	<0.00130	<0.00380	<0.00260	<0.00400	**0.298**	**<0.00380**		<0.00360	<0.00310	0.0558
	RW-6	Apr-18		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	0.0143		**<0.000381**	<0.000361	<0.000306	0.00259
	RW-6	Apr-19		**<0.00770**	<0.00638	<0.00260	**<0.00766** J4	<0.00518	**<0.00796**	0.0110 J		**<0.00762**	**<0.00722**	**<0.00612**	<0.00774
	RW-6	Mar-23		**<0.00368**	<0.00373	<0.00333 J3	<0.00395	<0.00250	<0.00470	**0.225**		**<0.00315** J3	<0.00205 J3	<0.00373	0.0456
	RW-6	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.000766 J		**<0.000126**	<0.0000819	<0.000149	0.000143 J
	RW-15C	Apr-17		**<0.00962**	<0.00798	<0.00325	**<0.00958**	<0.00648	**<0.00995**	**1.46**		**<0.00952**	**<0.00902**	**<0.00765**	**0.231**
	RW-15C	Apr-18		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	**1.06**		**<0.000381**	<0.000361	<0.000306	**0.138**
	RW-15C	Apr-19		**<0.00385**	<0.00319	<0.00130	<0.00383	<0.00259	<0.00398	**0.728**		**<0.00381**	<0.00361	<0.00306	0.0476
	RW-19	Apr-24		**<0.00294**	<0.00298	<0.00266	<0.00316	<0.00200	<0.00376	**0.623**		**<0.00252**	<0.00164	<0.00298	**0.134**
South RO Field	MW-114	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322	<0.00000568	**<0.000126**	<0.0000819	<0.000149	0.000358 JB
	MW-114	Oct-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-114	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-114	Oct-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-114	Apr-24		<0.000147	<0.000149 J4	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819 J4	<0.000149	<0.000104
	MW-114	Oct-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-115	Apr-22		**<0.00147**	<0.00149	<0.00133	<0.00158	<0.00100	<0.00188	<0.00322		**<0.00126**	<0.000819	<0.00149	<0.00104
	MW-115	Oct-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-115	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-115	Oct-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-115	Apr-24		<0.000147	<0.000149 J4	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819 J4	<0.000149	<0.000104
	MW-115	Oct-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-116	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-116	Oct-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-116	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-116	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-116	Oct-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-144	Mar-23													
	MW-144	Oct-23													
	MW-144	Apr-24													
	MW-144	Oct-24													
	MW-163	Oct-24													
TEL	MW-49	Apr-22		**<0.000735**	<0.000745	<0.000665	<0.000790	<0.000500	<0.000940	**0.0603**		**<0.000630**	<0.000409	<0.000745	0.00959
	MW-49	Oct-22		<0.000147	<0.000149	0.00138	0.00140	0.00191	<0.000188	**0.0719**		**<0.000126**	0.000105 J	0.000364 J	0.00818
	MW-49	Mar-23		**<0.00147**	<0.00149	<0.00133	<0.00158	<0.00100	<0.00188	**0.0804**		**<0.00126**	<0.000819	<0.00149	0.0107
	MW-49	Oct-23		**<0.00147**	<0.00149	<0.00133	<0.00158	<0.00100	<0.00188	**0.179**		**<0.00126**	<0.000819	<0.00149	0.0228
	MW-49	Apr-24		**<0.00147**	<0.00149	<0.00133	<0.00158	<0.00100	<0.00188	**0.170**		**<0.00126**	<0.000819	<0.00149	0.0281
	MW-49	Oct-24		**<0.00147**	<0.00149	<0.00133	<0.00158	<0.00100	<0.00188	**0.107**		**<0.00126**	<0.000819	<0.00149	0.0175
	TEL-1	Oct-18		**<0.00192**	<0.00160	<0.000650	<0.00192	<0.00130	<0.00199	<0.00186		**<0.00190**	<0.00180	<0.00153	<0.00194
	TEL-1	Apr-19		<0.000385	<0.000319	<0.000130	<0.000383 J4	<0.000259	<0.000398	0.000820 J		**<0.000381**	<0.000361	<0.000306	<0.000387
	TEL-1	Oct-19		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	0.00140		**<0.000381**	<0.000361	<0.000306	<0.000387
	TEL-1	Jun-20		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.00114		**<0.000126**	<0.0000819	<0.000149	0.000302 J
	TEL-2	Oct-18		**<0.00962**	<0.00798	<0.00325	**<0.00958**	<0.00648	**<0.00995**	**0.115**		**<0.00952**	**<0.00902**	**<0.00765**	0.0165 J
	TEL-2	Apr-19		**<0.00385**	<0.00319	<0.00130	<0.00383 J4	<0.00259	<0.00398	**0.0639**		**<0.00381**	<0.00361	<0.00306	0.00655 J
	TEL-2	Oct-19		**<0.00385**	<0.00319	<0.00130	<0.00383	<0.00259	<0.00398	**0.0603**		**<0.00381**	<0.00361	<0.00306	0.00551 J
	TEL-2	Jun-20		**<0.00147**	<0.00149	<0.00133	<0.00158	<0.00100	<0.00188	0.0402		**<0.00126**	<0.000819	<0.00149	0.00377 J
	TEL-3	Apr-18		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	0.0200		**<0.000381**	<0.000361	<0.000306	0.000983 J
	TEL-3	Apr-19		<0.000385	<0.000319	<0.000130	<0.000383 J4	<0.000259	<0.000398	0.0226		**<0.000381**	<0.000361	<0.000306	<0.000387
	TEL-3	Oct-19		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	0.0379		**<0.000381**	<0.000361	<0.000306	<0.000387
	TEL-3	Oct-20		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	**0.0659**		**<0.000126**	<0.0000819	<0.000149	0.00147
	TEL-4	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.000892 J		**<0.000126**	<0.0000819	<0.000149	<0.000104
	TEL-4	Apr-22	FD	**<0.000735**	<0.000745	<0.000665	<0.000790	<0.000500	<0.000940	<0.00161		**<0.000630**	<0.000409	<0.000745	<0.000520
	TEL-4	Oct-22		<0.000147	<0.000149	0.000934 J	0.00277	<0.000100	<0.000188	0.00131		**<0.000126**	<0.0000819	<0.000149	0.000124 J
	TEL-4	Oct-22	FD	<0.000147	<0.000149	0.00102	0.00244	<0.000100	<0.000188	0.00141		**<0.000126**	<0.0000819	<0.000149	0.000120 J
	TEL-4	Mar-23		**<0.00294**	<0.00298	<0.00266	<0.00316	<0.00200	<0.00376	<0.00644		**<0.00252**	<0.00164	<0.00298	<0.00208
	TEL-4	Mar-23	FD	**<0.00294**	<0.00298	<0.00266	<0.00316	<0.00200	<0.00376	<0.00644		**<0.00252**	<0.00164	<0.00298	<0.00208
	TEL-4	Oct-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.000723 J		**<0.000126**	<0.0000819	<0.000149	<0.000104
	TEL-4	Oct-23	FD	<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.000835 J		**<0.000126**	<0.0000819	<0.000149	<0.000104
	TEL-4	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.000587 J		**<0.000126**	<0.0000819	<0.000149	<0.000104
	TEL-4	Apr-24	FD	<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	0.000603 J		**<0.000126**	<0.0000819	<0.000149	<0.000104
	TEL-4	Oct-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	TEL-4	Oct-24	FD	<0.000147	<0.000149 J4	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104

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Appendix B, Table B.4 - Summary of Groundwater Analytical Data - Volatile Organic Compounds

2024 Annual Groundwater Monitoring Report

HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Volatile Organic Compounds											
				Analyte	1,1,1,2-Tetra-chloroethane	1,1,1-Tri-chloroethane	1,1,2,2-Tetra-chloroethane	1,1,2-Tri-chloroethane	1,1-Di-chloroethane	1,1-Di-chloroethene	1,2,4-Trimethyl-benzene	1,2-Dibromoethane (Ethylene dibromide) - 8011	1,2-Dibromoethane (Ethylene dibromide) - 8260	1,2-Di-chloroethane	1,2-Di-chloropropane	1,3,5-Trimethyl-benzene
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	0.000570	0.200	0.0100	0.00500	0.0250	0.00700	0.0560	0.0000500	0.0000500	0.00500	0.00500	0.0600
				CGWSL Source:	USEPA TW	WQCC HH	WQCC HH	WQCC HH	WQCC HH	WQCC HH	WQCC HH	WQCC HH	WQCC HH	WQCC HH	WQCC HH	USEPA TW
Area	**Well ID**	**Date**	**Dup**													
Three Mile Ditch	MW-8	Apr-21		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-8	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-8	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-8	Apr-24		<0.000147	<0.000149 J4	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	0.000115 JJ4	<0.000149	<0.000104
	MW-16	Apr-21		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-16	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-16	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-16	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-20	Apr-21		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-20	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-20	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-20	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-21	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-21	Oct-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-21	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-21	Oct-23		**<0.000735**	<0.000745	<0.000665	<0.000790	<0.000500	<0.000940	<0.00161		**<0.000630**	<0.000409	<0.000745	<0.000520
	MW-21	Apr-24		<0.000147	<0.000149 J4	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	0.000146 JJ4	<0.000149	<0.000104
	MW-21	Oct-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-25	Apr-21		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-25	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-25	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-25	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-26	Apr-21		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-26	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-26	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-26	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-27	Apr-21		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-27	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-27	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-27	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-46R	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-46R	Oct-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-46R	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-46R	Oct-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-46R	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-46R	Oct-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-68	Apr-21		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-68	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-68	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-68	Apr-24		<0.000147	<0.000149 J4	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819 J4	<0.000149	<0.000104
	MW-71	Apr-21		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	0.000156 J	<0.000149	<0.000104
	MW-71	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322	<0.00000536	**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-71	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322	<0.00000579	**<0.000126**	0.000184 J	<0.000149	<0.000104
	MW-71	Apr-24		<0.000147	<0.000149 J4	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	0.000150 JJ4	<0.000149	<0.000104
	MW-89	Apr-21		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-89	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-89	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-89	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-152	Oct-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-153	Oct-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-154	Oct-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-155	Oct-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	MW-156	Oct-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	NP-1	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322	<0.00000568	**<0.000126**	<0.0000819	<0.000149	<0.000104
	NP-1	Oct-22		**<0.00294**	<0.00298	<0.00266	<0.00316	<0.00200	<0.00376	<0.00644		**<0.00252**	<0.00164	<0.00298	<0.00208
	NP-1	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	0.000121 J	<0.000149	<0.000104
	NP-1	Oct-23		**<0.00294**	<0.00298	<0.00266	<0.00316	<0.00200	<0.00376	<0.00644		**<0.00252**	<0.00164	<0.00298	<0.00208
	NP-1	Apr-24		**<0.00294**	<0.00298 J4	<0.00266	<0.00316	<0.00200	<0.00376	<0.00644		**<0.00252**	<0.00164 J4	<0.00298	<0.00208
	NP-1	Oct-24		**<0.00294**	<0.00298	<0.00266	<0.00316	<0.00200	<0.00376	<0.00644		**<0.00252**	<0.00164	<0.00298	<0.00208
	NP-6	Apr-17		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	<0.000373		**<0.000381**	<0.000361	<0.000306	<0.000387
	NP-6	Apr-19		<0.000385	<0.000319	<0.000130	<0.000383	<0.000259	<0.000398	<0.000373		**<0.000381**	<0.000361	<0.000306	<0.000387
	NP-6	Apr-21		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	NP-6	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	0.000426 J	<0.000149	<0.000104
Upgradient	UG-1	Apr-21		<0.000147	<0.000149 J4	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	UG-1	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	UG-1	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	UG-1	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	UG-2	Apr-21		<0.000147	<0.000149 J4	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	UG-2	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	UG-2	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	UG-2	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	UG-3R	Apr-21		<0.000147	<0.000149 J4	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	UG-3R	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	UG-3R	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	UG-3R	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	UG-4	Apr-21		<0.000147	<0.000149 J4	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	UG-4	Apr-22		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	UG-4	Mar-23		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104
	UG-4	Apr-24		<0.000147	<0.000149	<0.000133	<0.000158	<0.000100	<0.000188	<0.000322		**<0.000126**	<0.0000819	<0.000149	<0.000104

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Appendix B, Table B.4 - Summary of Groundwater Analytical Data - Volatile Organic Compounds

2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Volatile Organic Compounds													
				Analyte	2-Butanone (MEK)	2-Hexanone (Methyl N-Butyl Ketone)	4-Isopropyl-toluene (p-Cymene)	4-Methyl-2-pentanone	Acetone	Benzene	Bromo-dichloro-methane	Bromoform (Tribromo-methane)	Bromo-methane	Carbon disulfide	Carbon tetrachloride	Chloro-benzene	Chloroethane
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	5.56	0.0380	---	1.24	14.1	0.00500	0.0800	0.00330	0.00754	0.810	0.00500	0.100	20.9
				CGWSL Source:	NMED TW	USEPA TW	---	NMED TW	TMED TW	WQCC HH	USEPA MCL	USEPA MCL	NMED TW	NMED TW	WQCC HH	USEPA MCL	NMED TW
Area	**Well ID**	**Date**	**Dup**														
Cross-Gradient	KWB-13	Apr-21		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	0.000162 J	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	KWB-13	Apr-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	KWB-13	Mar-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.0000985 JB	<0.000128	<0.000116	<0.000192
	KWB-13	Apr-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-136	Apr-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-136	Oct-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-136	Mar-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-136	Oct-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-136	Oct-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-149	Oct-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-149	Apr-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-149	Oct-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-150	Oct-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-150	Apr-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-150	Oct-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	NP-5	Apr-17		<0.00393	<0.00382	<0.000350	<0.00214	<0.0100	<0.000331	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453
	NP-5	Apr-19		<0.00393	<0.00382	<0.000350	<0.00214	<0.0100 J4	<0.000331	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453
	NP-5	Apr-21		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	NP-5	Mar-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	RA-3156	Apr-19		<0.00393	<0.00382	<0.000350	<0.00214	<0.0100	<0.000331	<0.000380	<0.000469	<0.000866 J3	<0.000275	<0.000379	<0.000348	<0.000453
	RA-3156	Jun-20		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000520 JB	<0.000128	<0.000116	<0.000192
	RA-3156	Apr-21		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	RA-3156	Apr-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000329 J	<0.000128	<0.000116	<0.000192
Evaporation Ponds	MW-1R	Apr-21		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-1R	Apr-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-1R	Mar-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000119 J	<0.000128	<0.000116	<0.000192
	MW-1R	Apr-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-2A	Apr-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-2A	Oct-22														
	MW-2A	Mar-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000204 JB	<0.000128	<0.000116	<0.000192
	MW-2A	Oct-23														
	MW-2A	Apr-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-2A	Oct-24														
	MW-3	Apr-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000360 JB	<0.000128	<0.000116	<0.000192
	MW-3	Apr-22	FD	<0.00119	<0.000787	<0.000120	<0.000478	<0.0113 J3	<0.0000941	<0.000136	<0.000129 J4	<0.000605	<0.0000962 J4	<0.000128	<0.000116	<0.000192
	MW-3	Oct-22														
	MW-3	Oct-22	FD													
	MW-3	Mar-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-3	Mar-23	FD	<0.00119 J3	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-3	Oct-23														
	MW-3	Oct-23	FD													
	MW-3	Apr-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-3	Apr-24	FD	<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-3	Oct-24														
	MW-3	Oct-24	FD													
	MW-4A	Apr-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-4A	Oct-22														
	MW-4A	Mar-23		<0.00119 J3	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-4A	Oct-23														
	MW-4A	Apr-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-4A	Oct-24														
	MW-4B	Apr-17		<0.00393	<0.00382 J3J4	<0.000350	<0.00214	<0.0100	<0.000331	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453
	MW-4B	Apr-19		<0.00393	<0.00382	<0.000350	<0.00214	<0.0100	0.000393 J	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453
	MW-4B	Apr-21		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-4B	Mar-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000168 JB	<0.000128	<0.000116	<0.000192
	MW-5A	Apr-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-5A	Oct-22														
	MW-5A	Mar-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000169 JB	<0.000128	<0.000116	<0.000192
	MW-5A	Oct-23														
	MW-5A	Apr-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-5A	Oct-24														
	MW-5B	Apr-17		<0.00393	<0.00382	<0.000350	<0.00214	<0.0100	<0.000331	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453
	MW-5B	Apr-19		<0.00393	<0.00382	<0.000350	<0.00214	<0.0100	<0.000331	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453
	MW-5B	Apr-21		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-5B	Mar-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000166 JB	<0.000128	<0.000116	<0.000192
	MW-5C	Apr-17		<0.00393	<0.00382	<0.000350	<0.00214	<0.0100	<0.000331	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453
	MW-5C	Apr-19		<0.00393	<0.00382	<0.000350	<0.00214	<0.0100	<0.000331	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453
	MW-5C	Apr-21		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-5C	Mar-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-6A	Apr-21		<0.00595	<0.00394	<0.000600	<0.00239	<0.0565	<0.000471	<0.000680	<0.000645	<0.00303	<0.000481	<0.000640	<0.000580	<0.000960
	MW-6A	Apr-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-6A	Mar-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000567 JB	<0.000128	<0.000116	<0.000192
	MW-6A	Apr-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	0.00102	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-6B	Apr-17		<0.00393	<0.00382	<0.000350	<0.00214	<0.0100	<0.000331	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453
	MW-6B	Apr-19		<0.00393	<0.00382	<0.000350	<0.00214	<0.0100	<0.000331	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453
	MW-6B	Apr-21		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-6B	Mar-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000213 JB	<0.000128	<0.000116	<0.000192
	MW-7A	Apr-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-7A	Apr-22	FD	<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-7A	Oct-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-7A	Oct-22	FD	<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-7A	Mar-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-7A	Mar-23	FD	<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-7A	Oct-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-7A	Oct-23	FD	<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-7A	Apr-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-7A	Apr-24	FD	<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-7A	Oct-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-7A	Oct-24	FD	<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-7B	Apr-17		<0.00393	<0.00382	<0.000350	<0.00214	<0.0100	<0.000331	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453
	MW-7B	Apr-19		<0.00393	<0.00382	<0.000350	<0.00214	<0.0100	<0.000331	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453
	MW-7B	Apr-21		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-7B	Mar-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-10	Apr-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-10	Oct-22														
	MW-10	Mar-23		<0.00119 J3	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-10	Oct-23														
	MW-10	Apr-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-10	Oct-24														
	MW-11A	Apr-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-11A	Oct-22														
	MW-11A	Mar-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000300 JB	<0.000128	<0.000116	<0.000192
	MW-11A	Oct-23														
	MW-11A	Apr-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-11A	Oct-24														

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Appendix B, Table B.4 - Summary of Groundwater Analytical Data - Volatile Organic Compounds

2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Volatile Organic Compounds													
				Analyte	2-Butanone (MEK)	2-Hexanone (Methyl N-Butyl Ketone)	4-Isopropyl-toluene (p-Cymene)	4-Methyl-2-pentanone	Acetone	Benzene	Bromo-dichloro-methane	Bromoform (Tribromo-methane)	Bromo-methane	Carbon disulfide	Carbon tetrachloride	Chloro-benzene	Chloroethane
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	5.56	0.0380	---	1.24	14.1	0.00500	0.0800	0.00330	0.00754	0.810	0.00500	0.100	20.9
				CGWSL Source:	NMED TW	USEPA TW	---	NMED TW	TMED TW	WQCC HH	USEPA MCL	USEPA MCL	NMED TW	NMED TW	WQCC HH	USEPA MCL	NMED TW
Area	**Well ID**	**Date**	**Dup**														
Evaporation Ponds	MW-11B	Apr-17			<0.00393	<0.00382 J3J4	<0.000350	<0.00214	<0.0100	<0.000331	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453
	MW-11B	Apr-19			<0.00393	<0.00382	<0.000350	<0.00214	<0.0100	<0.000331	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453
	MW-11B	Apr-21			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-11B	Mar-23			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000308 JB	<0.000128	<0.000116	<0.000192
	MW-15	Apr-21			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-15	Apr-22			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-15	Mar-23			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-15	Apr-24			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-18A	Apr-22			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	0.000179 J	<0.000136	<0.000129	<0.000605	0.000567 JB	<0.000128	<0.000116	<0.000192
	MW-18A	Oct-22															
	MW-18A	Mar-23			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-18A	Oct-23															
	MW-18A	Apr-24			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-18A	Oct-24															
	MW-18B	Apr-17			<0.00393	<0.00382	<0.000350	<0.00214	<0.0100	<0.000331	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453
	MW-18B	Apr-19			<0.00393	<0.00382	<0.000350	<0.00214	<0.0100	<0.000331	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453
	MW-18B	Apr-21			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-18B	Mar-23			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-22A	Apr-22			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-22A	Apr-22	FD		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-22A	Oct-22															
	MW-22A	Oct-22	FD														
	MW-22A	Mar-23			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-22A	Mar-23	FD		<0.00119 J3	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-22A	Oct-23															
	MW-22A	Oct-23	FD														
	MW-22A	Apr-24			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-22A	Apr-24	FD		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-22A	Oct-24															
	MW-22A	Oct-24	FD														
	MW-22B	Apr-17			<0.00393	<0.00382	<0.000350	<0.00214	<0.0100	<0.000331	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453
	MW-22B	Apr-19			<0.00393	<0.00382	<0.000350	<0.00214	<0.0100	<0.000331	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453
	MW-22B	Apr-21			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-22B	Mar-23			<0.00119 J3	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-70	Apr-22			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-70	Oct-22															
	MW-70	Mar-23			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-70	Oct-23															
	MW-70	Apr-24			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-70	Oct-24															
	MW-72	Apr-21			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-72	Apr-22			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-72	Mar-23			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-72	Apr-24			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-73	Apr-21			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-73	Apr-22			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-73	Mar-23			<0.00119 J3	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-73	Apr-24			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-74	Apr-22			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-74	Oct-22															
	MW-74	Mar-23			<0.00119 J3	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-74	Oct-23															
	MW-74	Apr-24			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-74	Oct-24															
	MW-75	Apr-22			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-75	Oct-22															
	MW-75	Mar-23			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	0.000126 J	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-75	Oct-23															
	MW-75	Apr-24			<0.238	**<0.157**	<0.0240	<0.0956	<2.26	**<0.0188**	<0.0272	**<0.0258**	**<0.121**	<0.0192	**<0.0256**	<0.0232	<0.0384
	MW-75	Oct-24															
	MW-76	Apr-22			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-76	Oct-22															
	MW-76	Mar-23			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-76	Oct-23															
	MW-76	Apr-24			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-76	Oct-24															
	MW-77	Apr-21			<0.0298	<0.0197	<0.00300	<0.0120	<0.282	<0.00235	<0.00340	<0.00322	**<0.0151**	<0.00241	<0.00320	<0.00290	<0.00480
	MW-77	Apr-22			0.00144 J	<0.000787	<0.000120	<0.000478	0.0152 J	0.000174 J	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-77	Mar-23			<0.0119 J3	<0.00787	<0.00120	<0.00478	<0.113	<0.000941	<0.00136	<0.00129	<0.00605	<0.000962	<0.00128	<0.00116	<0.00192
	MW-77	Apr-24			<0.238	**<0.157**	<0.0240	<0.0956	<2.26	**<0.0188**	<0.0272	**<0.0258**	**<0.121**	<0.0192	**<0.0256**	<0.0232	<0.0384
	MW-78	Apr-21			0.00270 J	<0.000787	<0.000120	<0.000478	0.0140 J	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-78	Apr-22			<0.0119	<0.00787	<0.00120	<0.00478	<0.113	<0.000941	<0.00136	<0.00129	<0.00605	0.00661 JB	<0.00128	<0.00116	<0.00192
	MW-78	Mar-23			<0.0119 J3	<0.00787	<0.00120	<0.00478	<0.113	<0.000941	<0.00136	<0.00129	<0.00605	<0.000962	<0.00128	<0.00116	<0.00192
	MW-78	Apr-24			<0.238	**<0.157**	<0.0240	<0.0956	<2.26	**<0.0188**	<0.0272	**<0.0258**	**<0.121**	<0.0192	**<0.0256**	<0.0232	<0.0384
	MW-79	Apr-22			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-79	Oct-22															
	MW-79	Mar-23			<0.00119 J3	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-79	Oct-23															
	MW-79	Apr-24			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-79	Oct-24															
	MW-80	Apr-21			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-80	Apr-22			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-80	Mar-23			<0.00119 J3	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-80	Apr-24			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-81	Apr-21			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-81	Apr-22			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-81	Mar-23			<0.00119 J3	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-81	Apr-24			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-82	Apr-21			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-82	Apr-22			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-82	Mar-23			<0.00119 J3	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-82	Apr-24			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-83	Apr-22			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000380 JB	<0.000128	<0.000116	<0.000192
	MW-83	Oct-22															
	MW-83	Mar-23			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-83	Oct-23															
	MW-83	Apr-24			<0.238	**<0.157**	<0.0240	<0.0956	<2.26	**<0.0188**	<0.0272	**<0.0258**	**<0.121**	<0.0192	**<0.0256**	<0.0232	<0.0384
	MW-83	Oct-24															
	MW-84	Apr-22			<0.0238	<0.0157	0.00689 J	<0.00956	<0.226	0.00441 J	<0.00272	<0.00258	**<0.0121**	0.0160 JB	<0.00256	<0.00232	<0.00384
	MW-84	Oct-22															
	MW-84	Mar-23			<0.0119 J3	<0.00787	<0.00120	<0.00478	<0.113	<0.000941	<0.00136	<0.00129	<0.00605	<0.000962	<0.00128	<0.00116	<0.00192
	MW-84	Oct-23															
	MW-84	Apr-24			<0.0119	<0.00787	<0.00120	<0.00478	<0.113	<0.000941	<0.00136	<0.00129	<0.00605	<0.000962	<0.00128	<0.00116	<0.00192
	MW-84	Oct-24															

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Appendix B, Table B.4 - Summary of Groundwater Analytical Data - Volatile Organic Compounds

2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Volatile Organic Compounds												
				Analyte	2-Butanone (MEK)	2-Hexanone (Methyl N-Butyl Ketone)	4-Isopropyl-toluene (p-Cymene)	4-Methyl-2-pentanone	Acetone	Benzene	Bromo-dichloro-methane	Bromoform (Tribromo-methane)	Bromo-methane	Carbon disulfide	Carbon tetrachloride	Chloro-benzene	Chloroethane
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	5.56	0.0380	---	1.24	14.1	0.00500	0.0800	0.00330	0.00754	0.810	0.00500	0.100	20.9
				CGWSL Source:	NMED TW	USEPA TW	---	NMED TW	TMED TW	WQCC HH	USEPA MCL	USEPA MCL	NMED TW	NMED TW	WQCC HH	USEPA MCL	NMED TW
Area	**Well ID**	**Date**	**Dup**														
Evaporation Ponds	MW-86	Jun-20			<0.0238	<0.0157	<0.00240	<0.00956	<0.226	**0.0242**	<0.00272	<0.00258	**<0.0121**	0.00254 J	<0.00256	<0.00232 J4	<0.00384
	MW-86	Oct-20			<0.0238	<0.0157	<0.00240	<0.00956	<0.226	**0.0313**	<0.00272	<0.00258	**<0.0121**	<0.00192	<0.00256	<0.00232	<0.00384
	MW-87	Apr-22			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-87	Oct-22															
	MW-87	Mar-23			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-87	Oct-23															
	MW-87	Apr-24			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-87	Oct-24															
	MW-88	Apr-22			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-88	Oct-22															
	MW-88	Mar-23			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.0000970 J	<0.000128	<0.000116	<0.000192
	MW-88	Oct-23															
	MW-88	Apr-24			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-88	Oct-24															
	MW-120	Apr-22			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-120	Oct-22			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-120	Mar-23			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000201 JB	<0.000128	<0.000116	<0.000192
	MW-120	Oct-23			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-120	Apr-24			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-120	Oct-24			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605 Q	<0.0000962	<0.000128	<0.000116	<0.000192 Q
	MW-121	Apr-22			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	0.000159 J	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-121	Oct-22															
	MW-121	Mar-23			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000151 JB	<0.000128	<0.000116	<0.000192
	MW-121	Oct-23															
	MW-121	Apr-24			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-121	Oct-24															
	MW-122	Apr-22			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-122	Oct-22															
	MW-122	Mar-23			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000141 JB	<0.000128	<0.000116	<0.000192
	MW-122	Oct-23															
	MW-122	Apr-24			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-122	Oct-24															
	MW-123	Apr-22			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-123	Oct-22															
	MW-123	Mar-23			<0.00119 J3	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-123	Oct-23															
	MW-123	Apr-24			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-123	Oct-24															
	MW-124	Apr-22			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-124	Oct-22															
	MW-124	Mar-23			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-124	Oct-23															
	MW-124	Apr-24			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-124	Oct-24															
	OCD-1R	Apr-22			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	OCD-1R	Oct-22															
	OCD-1R	Mar-23			<0.00119 J3	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	OCD-1R	Oct-23															
	OCD-1R	Apr-24			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	OCD-1R	Oct-24															
	OCD-2A	Apr-22			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	OCD-2A	Oct-22															
	OCD-2A	Mar-23			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000317 JB	<0.000128	<0.000116	<0.000192
	OCD-2A	Oct-23															
	OCD-2A	Apr-24			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	OCD-2A	Oct-24															
	OCD-3	Apr-22			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	OCD-3	Oct-22															
	OCD-3	Mar-23			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000456 JB	<0.000128	<0.000116	<0.000192
	OCD-3	Oct-23															
	OCD-3	Apr-24			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	OCD-3	Oct-24															
	OCD-4	Apr-22			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	OCD-4	Oct-22															
	OCD-4	Mar-23			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000285 JB	<0.000128	<0.000116	<0.000192
	OCD-4	Oct-23															
	OCD-4	Apr-24			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	OCD-4	Oct-24															
	OCD-5	Apr-22			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	OCD-5	Oct-22															
	OCD-5	Mar-23			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000282 JB	<0.000128	<0.000116	<0.000192
	OCD-5	Oct-23															
	OCD-5	Apr-24			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	OCD-5	Oct-24															
	OCD-6	Apr-22			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	OCD-6	Oct-22															
	OCD-6	Mar-23			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000203 JB	<0.000128	<0.000116	<0.000192
	OCD-6	Oct-23															
	OCD-6	Apr-24			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	OCD-6	Oct-24															
	OCD-7AR	Apr-22			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	OCD-7AR	Oct-22															
	OCD-7AR	Mar-23			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	OCD-7AR	Oct-23															
	OCD-7AR	Apr-24			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	OCD-7AR	Oct-24															
	OCD-7B	Apr-17			<0.00393	<0.00382	<0.000350	<0.00214	<0.0100	<0.000331	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453
	OCD-7B	Apr-19			<0.00393	<0.00382	<0.000350	<0.00214	<0.0100	<0.000331	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453
	OCD-7B	Apr-21			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	OCD-7B	Mar-23			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000176 JB	<0.000128	<0.000116	<0.000192
	OCD-8A	Apr-22			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	OCD-8A	Oct-22															
	OCD-8A	Mar-23			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000118 JB	<0.000128	<0.000116	<0.000192
	OCD-8A	Oct-23															
	OCD-8A	Apr-24			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	OCD-8A	Oct-24															
	OCD-8B	Apr-17			<0.00393	<0.00382	<0.000350	<0.00214	<0.0100	<0.000331	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453
	OCD-8B	Apr-19			<0.00393	<0.00382	<0.000350	<0.00214	<0.0100	<0.000331	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453
	OCD-8B	Apr-21			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	OCD-8B	Mar-23			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000168 JB	<0.000128	<0.000116	<0.000192

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Appendix B, Table B.4 - Summary of Groundwater Analytical Data - Volatile Organic Compounds

2024 Annual Groundwater Monitoring Report

HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Volatile Organic Compounds													
				Analyte	2-Butanone (MEK)	2-Hexanone (Methyl N-Butyl Ketone)	4-Isopropyl-toluene (p-Cymene)	4-Methyl-2-pentanone	Acetone	Benzene	Bromo-dichloro-methane	Bromoform (Tribromo-methane)	Bromo-methane	Carbon disulfide	Carbon tetrachloride	Chloro-benzene	Chloroethane
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	5.56	0.0380	---	1.24	14.1	0.00500	0.0800	0.00330	0.00754	0.810	0.00500	0.100	20.9
				CGWSL Source:	NMED TW	USEPA TW	---	NMED TW	TMED TW	WQCC HH	USEPA MCL	USEPA MCL	NMED TW	NMED TW	WQCC HH	USEPA MCL	NMED TW
Area	**Well ID**	**Date**	**Dup**														
Field East of Refinery	KWB-1A	Oct-22		0.00289 J	<0.000787	0.000827 J	<0.000478	<0.0113	0.000348 J	<0.000136	<0.000129 J4	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	KWB-1A	Mar-23		<0.00119	<0.000787	0.000604 J	<0.000478	<0.0113	0.000522 J	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	KWB-1A	Oct-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	0.000717 J	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	KWB-1A	Apr-24		<0.00119	<0.000787	0.000903 J	<0.000478	<0.0113	0.000437 J	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	KWB-1A	Oct-24		<0.00119	<0.000787	0.00241	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192 J3
	KWB-1C	Apr-17		<0.00393	<0.00382	<0.000350	<0.00214	<0.0100	<0.000331	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453
	KWB-1C	Apr-19		<0.00393	<0.00382	<0.000350	<0.00214	<0.0100	<0.000331	<0.000380	<0.000469	<0.000866 J3	<0.000275	<0.000379	<0.000348	<0.000453
	KWB-1C	Apr-21		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	KWB-1C	Mar-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	KWB-7	Apr-22		<0.00119	<0.000787	<0.000120	0.000866 J	<0.0113	**0.190**	<0.000136	<0.000129	<0.000605	0.000662 J	<0.000128	<0.000116	<0.000192
	KWB-7	Oct-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	0.00172	<0.000136	<0.000129	<0.000605	0.000156 JB	<0.000128	<0.000116	<0.000192
	KWB-7	Mar-23		<0.0595	**<0.0394**	<0.00600	<0.0239	<0.565	<0.00471	<0.00680	**<0.00645**	**<0.0303**	0.0125 JB	**<0.00640**	<0.00580	<0.00960
	KWB-7	Oct-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	0.000223 J	<0.000136	<0.000129	<0.000605	0.000106 J	<0.000128	<0.000116	<0.000192
	KWB-7	Apr-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	**0.0273**	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	KWB-7	Oct-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	0.000459 J	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	KWB-8	Apr-17		<0.393	**<0.382**	<0.0350	<0.214	<1.00	**5.62**	<0.0380	**<0.0469**	**<0.0866**	<0.0275	**<0.0379**	<0.0348	<0.0453
	KWB-8	Oct-17		0.0885 V3	0.00515 J	0.00112	<0.00214	0.0801 V3	**12.5**	<0.000380	<0.000469	<0.000866	0.00427 V3	<0.000379	<0.000348	<0.000453
	KWB-8	Oct-20		<0.238	**<0.157**	<0.0240	<0.0956	<2.26	**17.8**	<0.0272	**<0.0258**	**<0.121**	0.0664 JB	**<0.0256**	<0.0232	<0.0384
	KWB-10R	Apr-17		<0.196	**<0.191**	<0.0175	<0.107	<0.500	**4.95**	<0.0190	**<0.0234**	**<0.0433**	<0.0138	**<0.0190**	<0.0174	<0.0226
	KWB-10R	Oct-17		<0.00393	<0.00382	0.0184	<0.00214	<0.0100	**7.06**	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453
	KWB-10R	Apr-18		<0.982	**<0.955**	<0.0875	<0.535	<2.50	**3.06**	**<0.0950**	**<0.117**	**<0.216**	<0.0688	**<0.0948**	<0.0870	<0.113
	KWB-10R	Oct-18		<0.982	**<0.955**	<0.0875	<0.535	<2.50	**3.81**	**<0.0950**	**<0.117**	**<0.216**	<0.0688	**<0.0948**	<0.0870	<0.113 J4
	KWB-11A	Oct-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	**0.0129**	<0.000136	<0.000129 J4	<0.000605	0.000151 J	<0.000128	<0.000116	<0.000192
	KWB-11A	Mar-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	**0.0174**	<0.000136	<0.000129	<0.000605	0.000305 J	<0.000128	<0.000116	<0.000192
	KWB-11A	Oct-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	KWB-11A	Apr-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	0.000110 J	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	KWB-11A	Oct-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	KWB-11B	Apr-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000353 J	<0.000128	<0.000116	<0.000192
	KWB-11B	Oct-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	0.000106 J	<0.000136	<0.000129 J4	<0.000605	0.000119 J	<0.000128	<0.000116	<0.000192
	KWB-11B	Mar-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000147 JB	<0.000128	<0.000116	<0.000192
	KWB-11B	Oct-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	KWB-11B	Apr-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	KWB-11B	Oct-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	KWB-12A	Sep-21		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	0.000531 J	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	KWB-12A	Oct-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129 J4	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	KWB-12A	Oct-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	KWB-12A	Oct-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	KWB-12B	Apr-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	KWB-12B	Apr-22	FD	<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	KWB-12B	Oct-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129 J4	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	KWB-12B	Oct-22	FD	<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129 J4	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	KWB-12B	Mar-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	KWB-12B	Mar-23	FD	<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	KWB-12B	Oct-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	KWB-12B	Oct-23	FD	<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	KWB-12B	Apr-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	0.000101 J	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	KWB-12B	Apr-24	FD	<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	0.000111 J	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	KWB-12B	Oct-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192 J3
	KWB-12B	Oct-24	FD	<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192 J3
	KWB-P4	Apr-17		<0.00393	<0.00382	<0.000350	<0.00214	<0.0100	<0.000331	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453
	KWB-P4	Apr-19		<0.00393	<0.00382	<0.000350	<0.00214	<0.0100	<0.000331	<0.000380	<0.000469	<0.000866 J3	<0.000275	<0.000379	<0.000348	<0.000453
	KWB-P4	Apr-21		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	KWB-P4	Mar-23		<0.00119 J3	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-57	Oct-20		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605 J4	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-57	Apr-21		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-57	Sep-21		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-57	Apr-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	0.000183 J	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-58	Oct-17		<0.00393	<0.00382	0.00399	<0.00214	<0.0100	**4.08**	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453
	MW-58	Apr-18		<0.196	**<0.191**	<0.0175	<0.107	<0.500	**4.12**	<0.0190	**<0.0234**	**<0.0433**	<0.0138	**<0.0190**	<0.0174	<0.0226
	MW-58	Oct-18		<0.196 J3J4	**<0.191**	<0.0175	<0.107	<0.500 J3	**7.11**	<0.0190	**<0.0234**	**<0.0433**	<0.0138	**<0.0190**	<0.0174	<0.0226
	MW-58	Oct-19		<0.0393	**<0.0382**	0.00466 J	<0.0214	<0.100	**3.78**	<0.00380	**<0.00469**	**<0.00866**	<0.00275	<0.00379	<0.00348	<0.00453
	MW-111	Oct-18		<0.0982	**<0.0955**	<0.00875	<0.0535	<0.250	**0.0268**	<0.00950	**<0.0117**	**<0.0216**	<0.00688	**<0.00948**	<0.00870	<0.0113 J4
	MW-111	Apr-19		<0.00393	<0.00382	<0.000350	<0.00214	<0.0100	**0.115**	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453
	MW-111	Oct-19		<0.00393	<0.00382	<0.000350	<0.00214	0.0116 J	**0.167**	<0.000380	<0.000469	<0.000866	<0.00688	<0.000379	<0.000348	<0.000453
	MW-111	Jun-20		<0.0298	<0.0197	<0.00300	<0.0120	<0.282	**0.439**	<0.00340	<0.00322	**<0.0151**	0.00625 JB	<0.00320	<0.00290	<0.00480
	MW-112	Nov-14		<0.0980	**<0.0960**	<0.00880	<0.0540	<0.250	**8.50**	<0.00950	**<0.0120**	**<0.0220**	<0.00690	**<0.00950**	<0.00870	<0.0110
	MW-113	Apr-22		<0.00119	<0.000787	0.000514 J	<0.000478	<0.0113	**0.0436**	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-113	Apr-22	FD	<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	**0.0524**	<0.000136	<0.000129	<0.000605	0.000473 J	<0.000128	<0.000116	<0.000192
	MW-113	Oct-22		<0.00119	<0.000787	0.0120	<0.000478	<0.0113	**8.50**	<0.000136	<0.000129 J4	<0.000605	0.000537 J	<0.000128	<0.000116	<0.000192
	MW-113	Oct-22	FD	<0.00119	<0.000787	0.0127	<0.000478	<0.0113	**8.52**	<0.000136	<0.000129	<0.000605	0.000787 J	<0.000128	<0.000116	<0.000192
	MW-113	Mar-23		<0.00119	<0.000787	0.00108	<0.000478	<0.0113	**0.0859**	<0.000136	<0.000129	<0.000605	0.000308 JB	<0.000128	<0.000116	<0.000192
	MW-113	Mar-23	FD	<0.00119	<0.000787	0.00140	<0.000478	<0.0113	**0.134**	<0.000136	<0.000129	<0.000605	0.000294 JB	<0.000128	<0.000116	<0.000192
	MW-113	Oct-23		<0.0595	**<0.0394**	<0.00600	<0.0239	<0.565	**7.19**	<0.00680	**<0.00645**	**<0.0303**	<0.00481	**<0.00640**	<0.00580	<0.00960
	MW-113	Oct-23	FD	<0.0595	**<0.0394**	<0.00600	<0.0239	<0.565	**7.02**	<0.00680	**<0.00645**	**<0.0303**	<0.00481	**<0.00640**	<0.00580	<0.00960
	MW-113	Apr-24		<0.00595	<0.00394	0.000898 J	<0.00239	<0.0565	**0.117**	<0.000680	<0.000645	<0.00303	<0.000481	<0.000640	<0.000580	<0.000960
	MW-113	Apr-24	FD	<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	**0.0964**	<0.000136 J4	<0.000129	<0.000605	0.000169 J	<0.000128 J4	<0.000116	<0.000192
	MW-113	Oct-24		<0.119	**<0.0787**	<0.0120	<0.0478	<1.13	**5.77**	<0.0136	**<0.0129**	**<0.0605**	<0.00962	**<0.0128**	<0.0116	<0.0192
	MW-113	Oct-24	FD	<0.0238	<0.0157	0.0133 J	<0.00956	<0.226	**6.19**	<0.00272	<0.00258	**<0.0121**	<0.00192	<0.00256	<0.00232	<0.00384
	MW-125	Apr-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000347 J	<0.000128	<0.000116	<0.000192
	MW-125	Oct-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-125	Mar-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000129 JB	<0.000128	<0.000116	<0.000192
	MW-125	Oct-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-125	Apr-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-125	Oct-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-126A	Apr-19		<0.00393	<0.00382	<0.000350	<0.00214	<0.0100	<0.000331	<0.000380	<0.000469	<0.000866 J3	<0.000275	<0.000379	<0.000348	<0.000453
	MW-126A	Oct-19		<0.00393	<0.00382	<0.000350	<0.00214	<0.0100	**0.170**	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453
	MW-126A	Jun-20		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116 J4	<0.000192
	MW-126A	Oct-20		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605 J4	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-126B	Apr-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-126B	Oct-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-126B	Mar-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000172 JB	<0.000128	<0.000116	<0.000192
	MW-126B	Oct-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-126B	Apr-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-126B	Oct-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-127	Oct-17		<0.00393	<0.00382	<0.000350	<0.00214	<0.0100	**0.462**	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453
	MW-127	Apr-18		<0.0786	**<0.0764**	<0.00700	<0.0428	<0.200	**1.18**	<0.00760	**<0.00938**	**<0.0173**	<0.00550	**<0.00758**	<0.00696	<0.00906
	MW-127	Oct-18		<0.0786	**<0.0764**	<0.00700	<0.0428	<0.200	**1.15**	<0.00760	**<0.00938**	**<0.0173**	<0.00550	**<0.00758**	<0.00696	<0.00906 J4
	MW-127	Apr-19		<0.0786	**<0.0764**	<0.00700	<0.0428	<0.200	**1.65**	<0.00760	**<0.00938**	**<0.0173** J3	<0.00550	**<0.00758**	<0.00696	<0.00906
	MW-128	Oct-17		<0.00393	<0.00382	<0.000350	<0.00214	<0.0100	**0.0701**	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453
	MW-128	Apr-18		<0.0786	**<0.0764**	<0.00700	<0.0428	<0.200	**0.122**	<0.00760	**<0.00938**	**<0.0173**	<0.00550	**<0.00758**	<0.00696	<0.00906
	MW-128	Oct-18		<0.0786	**<0.0764**	<0.00700	<0.0428	<0.200	**0.729**	<0.00760	**<0.00938**	**<0.0173**	<0.00550	**<0.00758**	<0.00696	<0.00906
	MW-128	Apr-19		<0.0786	**<0.0764**	<0.00700	<0.0428	<0.200 J4	**0.643**	<0.00760	**<0.00938**	**<0.0173**	<0.00550	**<0.00758**	<0.00696	<0.00906

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Appendix B, Table B.4 - Summary of Groundwater Analytical Data - Volatile Organic Compounds

2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Volatile Organic Compounds													
				Analyte	2-Butanone (MEK)	2-Hexanone (Methyl N-Butyl Ketone)	4-Isopropyl-toluene (p-Cymene)	4-Methyl-2-pentanone	Acetone	Benzene	Bromo-dichloro-methane	Bromoform (Tribromo-methane)	Bromo-methane	Carbon disulfide	Carbon tetrachloride	Chloro-benzene	Chloroethane
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	5.56	0.0380	---	1.24	14.1	0.00500	0.0800	0.00330	0.00754	0.810	0.00500	0.100	20.9
				CGWSL Source:	NMED TW	USEPA TW	---	NMED TW	TMED TW	WQCC HH	USEPA MCL	USEPA MCL	NMED TW	NMED TW	WQCC HH	USEPA MCL	NMED TW
Area	**Well ID**	**Date**	**Dup**														
Field East of Refinery	MW-129	Apr-15			<0.00390	<0.00380	<0.000350	<0.00210	<0.0100	**0.0372**	<0.000380	<0.000470	<0.000870	<0.0280	<0.000380	<0.000350	<0.000450
	MW-129	Oct-15			<0.393	**<0.382**	<0.0350	<0.214	<1.00	**<0.0331**	<0.0380	**<0.0469**	**<0.0866**	<0.0275	**<0.0379**	<0.0348	<0.0453
	MW-129	Apr-17			<0.00393	<0.00382	<0.000350	<0.00214	<0.0100	0.00299	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453
	MW-129	Apr-18			<0.00393	<0.00382	<0.000350	<0.00214	<0.0100	**0.00731**	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453
	MW-130	Apr-22			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-130	Oct-22			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-130	Mar-23			<0.00119 J3	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-130	Oct-23			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-130	Apr-24			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-130	Oct-24			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192 J3
	MW-131	Apr-17			<0.00393	<0.00382	0.000554 J	<0.00214	<0.0100	**3.09**	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453
	MW-131	Oct-17			<0.00393	<0.00382	0.000701 J	<0.00214	<0.0100	**1.39**	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453
	MW-131	Oct-19			<0.00393	<0.00382	0.00141	<0.00214	<0.0100	**0.796**	<0.000380	<0.000469	<0.000866	<0.0138	<0.000379	<0.000348	<0.000453
	MW-131	Jun-20			<0.0595	**<0.0394**	<0.00600	<0.0239	<0.565	**0.907**	<0.00680	**<0.00645**	**<0.0303**	<0.00481	**<0.00640**	<0.00580	<0.00960
	MW-133	Nov-14			<0.390	**<0.380**	<0.0350	<0.210	<1.00	**0.620**	<0.0380	**<0.0470**	**<0.0870**	<0.0280	**<0.0380**	<0.0350	<0.0450
	MW-133	Apr-15			<0.390	**<0.380**	<0.0350	<0.210	<1.00	**0.788**	<0.0380	**<0.0470**	**<0.0870**	<0.0280	**<0.0380**	<0.0350	<0.0450
	MW-134	Apr-22			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000380 J	<0.000128	<0.000116	<0.000192
	MW-134	Apr-22	FD		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000395 J	<0.000128	<0.000116	<0.000192
	MW-134	Oct-22			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	0.00235	<0.000136	<0.000129 J4	<0.000605	0.000329 J	<0.000128	<0.000116	<0.000192
	MW-134	Oct-22	FD		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	0.00117	<0.000136	<0.000129	<0.000605	0.000146 J	<0.000128	<0.000116	<0.000192
	MW-134	Mar-23			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000242 JB	<0.000128	<0.000116	<0.000192
	MW-134	Mar-23	FD		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000102 JB	<0.000128	<0.000116	<0.000192
	MW-134	Oct-23			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-134	Oct-23	FD		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-134	Apr-24			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-134	Apr-24	FD		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-134	Oct-24			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-134	Oct-24	FD		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192 J3
	MW-135	Apr-22			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-135	Oct-22			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129 J4	<0.000605	0.000185 J	<0.000128	<0.000116	<0.000192
	MW-135	Mar-23			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605 J3	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-135	Oct-23			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-135	Apr-24			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-135	Oct-24			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-145	Apr-22			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-145	Oct-22			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129 J4	<0.000605	0.0000964 J	<0.000128	<0.000116	<0.000192
	MW-145	Mar-23			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-145	Oct-23			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-145	Apr-24			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-145	Oct-24			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-146	Apr-22			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-146	Apr-22	FD		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-146	Oct-22			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129 J4	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-146	Oct-22	FD		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129 J4	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-146	Mar-23			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-146	Mar-23	FD		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605 J3	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-146	Oct-23			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-146	Oct-23	FD		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-146	Apr-24			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-146	Apr-24	FD		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-146	Oct-24			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-146	Oct-24	FD		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-147	Apr-22			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-147	Oct-22			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129 J4	<0.000605	0.0000964 J	<0.000128	<0.000116	<0.000192
	MW-147	Mar-23			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605 J3	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-147	Oct-23			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-147	Apr-24			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-147	Oct-24			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-148	Apr-22			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-148	Oct-22			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129 J4	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-148	Mar-23			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605 J3	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-148	Oct-23			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-148	Apr-24			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-148	Oct-24			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-151	Oct-24			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-160	Oct-24			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192 J3
	MW-161	Oct-24			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	RA-4196	Oct-19			<0.00393	<0.00382	<0.000350	<0.00214	<0.0100	<0.000331	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453
	RA-4196	Jun-20			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000840 JB	<0.000128	<0.000116	<0.000192
	RA-4196	Oct-20			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941 Q	<0.000136	<0.000129	<0.000605	0.000179 JB	<0.000128	<0.000116	<0.000192
	RA-4196	Mar-23			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000239 JB	<0.000128	<0.000116	<0.000192
	RA-4196R	Oct-23			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	RA-4196R	Apr-24			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	RA-4196R	Oct-24			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	RA-4798	Oct-20			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941 Q	<0.000136	<0.000129	<0.000605	0.000185 JB	<0.000128	<0.000116	<0.000192
	RA-4798	Apr-21			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	RA-4798	Sep-21			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	RA-4798	Apr-22			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000347 J	<0.000128	<0.000116	<0.000192
	RW-12R	Apr-17			<0.0196	<0.0191	0.00214 J	<0.0107	<0.0500	**0.335**	<0.00190	<0.00234	<0.00433	0.00142 J	<0.00190	<0.00174	<0.00226
	RW-12R	Apr-18			<0.00393	<0.00382	0.000372 J	<0.00214	0.0352 J	**0.0358**	<0.000380	<0.000469	<0.000866	0.00104	<0.000379	<0.000348	<0.000453
	RW-12R	Apr-19			<0.00393	<0.00382	<0.000350	<0.00214	<0.0100 J4	**0.0764**	<0.000380	<0.000469	<0.000866	0.00155	<0.000379	<0.000348	<0.000453
	RW-12R	Jun-20			<0.00119	<0.000787	0.000352 J	0.00567 J	<0.0113	**0.154**	<0.000136	<0.000129	<0.000605	0.00118 B	<0.000128	<0.000116	<0.000192
	RW-13R	Apr-18			<0.00393	<0.00382	0.00134	<0.00214	0.0281 J	**0.0770**	<0.000380	<0.000469	<0.000866	0.000455 J	<0.000379	<0.000348	<0.000453
	RW-13R	Mar-23			<0.0595	**<0.0394**	0.0121 J	<0.0239	<0.565	**4.30**	<0.00680	**<0.00645**	**<0.0303**	0.0103 JB	**<0.00640**	<0.00580	<0.00960
	RW-18A	Apr-18			<0.00393	<0.00382	<0.000350	<0.00214	<0.0100	<0.000331	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453
	RW-18A	Apr-19			<0.00393	<0.00382	<0.000350	<0.00214	<0.0100	<0.000331	<0.000380	<0.000469	<0.000866 J3	<0.000275	<0.000379	<0.000348	<0.000453
	RW-18A	Jun-20			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	RW-18A	Mar-23			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	RW-20	Apr-15			<0.0390	<0.0380	0.00401 J	<0.0210	<0.100	**1.87**	<0.00380	**<0.00470**	**<0.00870**	<0.00280	<0.00380	<0.00350	<0.00450
	RW-22	Apr-15			<0.0390	<0.0380	0.00521 J	<0.0210	<0.100	**4.07**	<0.00380	**<0.00470**	**<0.00870**	<0.00280	<0.00380	<0.00350	<0.00450

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Appendix B, Table B.4 - Summary of Groundwater Analytical Data - Volatile Organic Compounds

2024 Annual Groundwater Monitoring Report

HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Volatile Organic Compounds													
				Analyte	2-Butanone (MEK)	2-Hexanone (Methyl N-Butyl Ketone)	4-Isopropyl-toluene (p-Cymene)	4-Methyl-2-pentanone	Acetone	Benzene	Bromo-dichloro-methane	Bromoform (Tribromo-methane)	Bromo-methane	Carbon disulfide	Carbon tetrachloride	Chloro-benzene	Chloroethane
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	5.56	0.0380	---	1.24	14.1	0.00500	0.0800	0.00330	0.00754	0.810	0.00500	0.100	20.9
				CGWSL Source:	NMED TW	USEPA TW	---	NMED TW	TMED TW	WQCC HH	USEPA MCL	USEPA MCL	NMED TW	NMED TW	WQCC HH	USEPA MCL	NMED TW
Area	**Well ID**	**Date**	**Dup**														
NCL	MW-18	Apr-21		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-18	Apr-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-18	Mar-23		<0.00119 J3	<0.000787 J3	<0.000120	<0.000478 3J	<0.0113	<0.0000941	<0.000136	<0.000129 J3	<0.000605 J3	0.000480 J	<0.000128	<0.000116	<0.000192
	MW-18	Apr-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000374 JB	<0.000128	<0.000116	<0.000192
	MW-45	Apr-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-45	Oct-22		<0.00119	<0.000787	<0.000120	0.00483 J	<0.0113	<0.0000941	<0.000136	<0.000129 J4	<0.000605	0.000142 J	<0.000128	<0.000116	<0.000192
	MW-45	Mar-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-45	Oct-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-45	Apr-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000274 JB	<0.000128	<0.000116	<0.000192
	MW-45	Oct-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	0.00315	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128 J4	<0.000116	<0.000192
	MW-53	Apr-15		<0.00390	<0.00380	<0.000350	<0.00210	<0.0100	<0.000330	<0.000380	<0.000470	<0.000870	<0.000280	<0.000380	<0.000350	<0.000450
	MW-53	Apr-17		<0.00393	<0.00382	<0.000350	<0.00214	<0.0100 J4	<0.000331	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453
	MW-53	Apr-18		<0.00393	<0.00382	<0.000350	<0.00214	<0.0100	<0.000331	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453
	MW-53	Apr-19		<0.00393	<0.00382	<0.000350	<0.00214	<0.0100	<0.000331	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453
	MW-53R	Apr-21		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-53R	Apr-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-53R	Mar-23		<0.00119 J3	<0.000787 J3	<0.000120	<0.000478 3J	<0.0113	<0.0000941	<0.000136	<0.000129 J3	<0.000605 J3	0.000357 J	<0.000128	<0.000116	<0.000192
	MW-53R	Apr-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-54A	Apr-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-54A	Oct-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129 J4	<0.000605	0.000161 J	<0.000128	<0.000116	<0.000192
	MW-54A	Mar-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-54A	Oct-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-54A	Apr-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-54A	Oct-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605 Q	<0.0000962	<0.000128	<0.000116	<0.000192 Q
	MW-54B	Apr-17		<0.00393	<0.00382	<0.000350	<0.00214	<0.0100 J4	<0.000331	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453
	MW-54B	Apr-19		<0.00393	<0.00382	<0.000350	<0.00214	<0.0100	<0.000331	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453
	MW-54B	Apr-21		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-54B	Mar-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-55	Apr-22		<0.0119	<0.00787	<0.00120	<0.00478	<0.113	<0.000941	<0.00136	<0.00129	<0.00605	<0.000962	<0.00128	<0.00116	<0.00192
	MW-55	Oct-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-55	Mar-23		<0.00119 J3	<0.000787 J3	<0.000120	<0.000478 3J	<0.0113	0.0000977 J	<0.000136	<0.000129 J3	<0.000605 J3	0.000614 J	<0.000128	<0.000116	<0.000192
	MW-55	Oct-23		<0.0119	<0.00787	<0.00120	<0.00478	<0.113	<0.000941	<0.00136	<0.00129	<0.00605	<0.000962	<0.00128	<0.00116	<0.00192
	MW-55	Apr-24		<0.0119	<0.00787	<0.00120	<0.00478	<0.113	0.00100 J	<0.00136	<0.00129	<0.00605	0.00440 JB	<0.00128	<0.00116	<0.00192
	MW-55	Oct-24		<0.0119	<0.00787	<0.00120	<0.00478	<0.113	<0.000941	<0.00136	<0.00129	<0.00605	<0.000962	<0.00128	<0.00116	<0.00192
	MW-56	Apr-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-56	Mar-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-56	Apr-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000238 JB	<0.000128	<0.000116	<0.000192
	MW-56	Oct-24														
	MW-108	Apr-22		<0.00119	<0.000787	0.000246 J	<0.000478	<0.0113	**0.0819**	<0.000136	<0.000129	<0.000605	0.000327 J	<0.000128	<0.000116	<0.000192
	MW-108	Oct-22		0.00218 J	<0.000787	0.000182 J	0.000683 J	<0.0113	**0.0702**	<0.000136	<0.000129 J4	<0.000605	0.000607 J	<0.000128	<0.000116	<0.000192
	MW-108	Mar-23		<0.00119 J3	<0.000787 J3	0.000300 J	<0.000478 3J	<0.0113	**0.0681**	<0.000136	<0.000129 J3	<0.000605 J3	0.000970 J	<0.000128	<0.000116	<0.000192
	MW-108	Oct-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	**0.0353**	<0.000136	<0.000129	<0.000605	0.000176 J	<0.000128	<0.000116	<0.000192
	MW-108	Apr-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	**0.00959**	<0.000136	<0.000129	<0.000605	0.000375 JB	<0.000128	<0.000116	<0.000192
	MW-108	Oct-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	0.00327	<0.000136	<0.000129	<0.000605 Q	0.000364 J	<0.000128	<0.000116	<0.000192 Q
	NCL-31	Apr-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	NCL-31	Oct-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129 J4	<0.000605	0.000168 J	<0.000128	<0.000116	<0.000192
	NCL-31	Mar-23		<0.00119 J3	<0.000787 J3	<0.000120	<0.000478 3J	<0.0113	0.000173 J	<0.000136	<0.000129 J3	<0.000605 J3	0.000925 J	<0.000128	<0.000116	<0.000192
	NCL-31	Oct-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	NCL-31	Apr-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	0.000100 J	<0.000136	<0.000129	<0.000605	0.000383 JB	<0.000128	<0.000116	<0.000192
	NCL-31	Oct-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605 Q	<0.0000962	<0.000128	<0.000116	<0.000192 Q
	NCL-32	Apr-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	NCL-32	Oct-22		0.00242 J	<0.000787	<0.000120	<0.000478	0.0159 J	<0.0000941	<0.000136	<0.000129 J4	<0.000605	0.000123 J	<0.000128	<0.000116	<0.000192
	NCL-32	Mar-23		0.00180 JJ3	<0.000787 J3	<0.000120	<0.000478 3J	0.0133 J	<0.0000941	<0.000136	<0.000129 J3	<0.000605 J3	0.000526 J	<0.000128	<0.000116	<0.000192
	NCL-32	Oct-23		<0.00119	<0.000787	<0.000120	<0.000478	0.0206 J	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	NCL-32	Apr-24		0.00123 J	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000397 JB	<0.000128	<0.000116	<0.000192
	NCL-32	Oct-24		<0.00119 J3	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	NCL-33	Apr-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	NCL-33	Oct-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129 J4	<0.000605	0.000111 J	<0.000128	<0.000116	<0.000192
	NCL-33	Mar-23		<0.00119 J3	<0.000787 J3	<0.000120	<0.000478 3J	<0.0113	<0.0000941	<0.000136	<0.000129 J3	<0.000605 J3	0.000895 J	<0.000128	<0.000116	<0.000192
	NCL-33	Oct-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	NCL-33	Apr-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000397 JB	<0.000128	<0.000116	<0.000192
	NCL-33	Oct-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605 Q	<0.0000962	<0.000128	<0.000116	<0.000192 Q
	NCL-34A	Oct-18		<0.0393	**<0.0382**	<0.00350	<0.0214	<0.100	**1.11**	<0.00380	**<0.00469**	**<0.00866**	0.0105 B	<0.00379	<0.00348	<0.00453
	NCL-34A	Apr-19		<0.0786	**<0.0764**	<0.00700	<0.0428	<0.200	**0.479**	<0.00760	**<0.00938**	**<0.0173**	<0.00550	**<0.00758**	<0.00696	<0.00906
	NCL-34A	Oct-19		<0.0197	<0.0191	0.00219 J	<0.0107	<0.0500	**0.562**	<0.00190	<0.00234	<0.00433	<0.00138	<0.00190	<0.00174	<0.00227
	NCL-34A	Jun-20		<0.0238	<0.0157	<0.00240	<0.00956	<0.226	**1.10**	<0.00272	<0.00258	**<0.0121**	<0.00192	<0.00256	<0.00232	<0.00384
	NCL-44	Apr-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	NCL-44	Oct-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129 J4	<0.000605	0.000324 J	<0.000128	<0.000116	<0.000192
	NCL-44	Mar-23		<0.00119 J3	<0.000787 J3	<0.000120	<0.000478 3J	<0.0113	<0.0000941	<0.000136	<0.000129 J3	<0.000605 J3	0.000848 J	<0.000128	<0.000116	<0.000192
	NCL-44	Oct-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	NCL-44	Apr-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000430 JB	<0.000128	<0.000116	<0.000192
	NCL-44	Oct-24		<0.00119 J3	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	NCL-49	Apr-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	NCL-49	Apr-22	FD	<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	NCL-49	Oct-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129 J4	<0.000605	0.000151 J	<0.000128	<0.000116	<0.000192
	NCL-49	Oct-22	FD	<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129 J4	<0.000605	0.000110 J	<0.000128	<0.000116	<0.000192
	NCL-49	Mar-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	NCL-49	Mar-23	FD	<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	NCL-49	Oct-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	NCL-49	Oct-23	FD	<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	NCL-49	Apr-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	NCL-49	Apr-24	FD	<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	NCL-49	Oct-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605 Q	<0.0000962	<0.000128	<0.000116	<0.000192 Q
	NCL-49	Oct-24	FD	<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605 Q	<0.0000962	<0.000128	<0.000116	<0.000192 Q
North Refinery	MW-23	Apr-19		<0.393	**<0.382**	<0.0350	<0.214	<1.00	**5.52**	<0.0380	**<0.0469**	**<0.0866**	<0.0275	**<0.0379**	<0.0348	<0.0453
	MW-23	Oct-19		<0.0393	**<0.0382**	<0.00350	<0.0214	<0.100	**1.42**	<0.00380	**<0.00469**	**<0.00866**	<0.00275	<0.00379	<0.00348	<0.00453
	MW-23	Jun-20		<0.0119	<0.00787	<0.00120	<0.00478	<0.113	**2.68**	<0.00136	<0.00129	<0.00605	<0.000962	<0.00128	<0.00116	<0.00192
	MW-23	Oct-20		<0.0119	<0.00787	<0.00120	<0.00478	<0.113	**0.915**	<0.00136	<0.00129	<0.00605	<0.000962	<0.00128	<0.00116	<0.00192
	MW-29	Apr-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-29	Oct-22		<0.00119	<0.000787	<0.000120	0.00136 J	<0.0113	<0.0000941	<0.000136	<0.000129 J4	<0.000605	0.000178 J	<0.000128	<0.000116	<0.000192
	MW-29	Mar-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-29	Oct-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-29	Apr-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000489 JB	<0.000128	<0.000116	<0.000192
	MW-39	Apr-19		<0.00393	<0.00382	<0.000350	<0.00214	<0.0100	**0.0314**	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453
	MW-39	Oct-19		<0.00393	<0.00382	<0.000350	<0.00214	<0.0100	**0.0271**	<0.000380	<0.000469	<0.000866	0.000700 J	<0.000379	<0.000348	<0.000453
	MW-39	Jun-20		<0.00119	0.00100 J	0.000516 J	<0.000478	<0.0113	**0.0289**	<0.000136	<0.000129	<0.000605	0.000474 J	<0.000128	<0.000116 J4	<0.000192
	MW-39	Oct-20		<0.00119	<0.000787	0.000315 J	<0.000478	<0.0113	0.00397	<0.000136	<0.000129	<0.000605 J4	0.000500 J	<0.000128	<0.000116	<0.000192
	MW-40	Apr-17		<0.00393	<0.00382	0.000356 J	<0.00214	<0.0100	**0.00857**	<0.000380	<0.000469	<0.000866	0.00128	<0.000379	<0.000348	<0.000453
	MW-40	Apr-18		<0.00393	<0.00382	0.000376 J	0.00447 J	0.0269 J	0.000769 J	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453
	MW-40	Apr-19		<0.00393	<0.00382	<0.000350	<0.00214	<0.0100	**0.0192**	<0.000380	<0.000469	<0.000866	0.00113	<0.000379	<0.000348	<0.000453
	MW-40	Jun-20		<0.00119	<0.000787	0.000184 J	<0.000478	<0.0113	0.000284 J	<0.000136	<0.000129	<0.000605	0.000625 J	<0.000128	<0.000116	<0.000192
	MW-41	Apr-18		<0.00393	<0.00382	<0.000350	<0.00214	<0.0100	<0.000331	<0.000380	<0.000469	<0.000866	0.000311 J	<0.000379	<0.000348	<0.000453
	MW-41	Apr-19		<0.00393	<0.00382	<0.000350	<0.00214	<0.0100	**0.00758**	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453
	MW-41	Jun-20		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	**0.0173**	<0.000136	<0.000129	<0.000605	0.000737 J	<0.000128	<0.000116	<0.000192
	MW-41	Apr-21		<0.00119	<0.000787 J4	<0.000120	<0.000478	<0.0113	**0.00922**	<0.000136	<0.000129 J4	<0.000605	0.000170 J	<0.000128	<0.000116	<0.000192 J4

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Appendix B, Table B.4 - Summary of Groundwater Analytical Data - Volatile Organic Compounds

2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Volatile Organic Compounds													
				Analyte	2-Butanone (MEK)	2-Hexanone (Methyl N-Butyl Ketone)	4-Isopropyl-toluene (p-Cymene)	4-Methyl-2-pentanone	Acetone	Benzene	Bromo-dichloro-methane	Bromoform (Tribromo-methane)	Bromo-methane	Carbon disulfide	Carbon tetrachloride	Chloro-benzene	Chloroethane
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	5.56	0.0380	---	1.24	14.1	0.00500	0.0800	0.00330	0.00754	0.810	0.00500	0.100	20.9
				CGWSL Source:	NMED TW	USEPA TW	---	NMED TW	TMED TW	WQCC HH	USEPA MCL	USEPA MCL	NMED TW	NMED TW	WQCC HH	USEPA MCL	NMED TW
Area	**Well ID**	**Date**	**Dup**														
North Refinery	MW-42	Apr-19			<0.0196	<0.0191	<0.00175	<0.0107	<0.0500	**0.164**	<0.00190	<0.00234	<0.00433	<0.00138	<0.00190	<0.00174	<0.00226
	MW-42	Jun-20			<0.00595	<0.00394	<0.000600	<0.00239	<0.0565	**0.109**	<0.000680	<0.000645	<0.00303	<0.000481	<0.000640	<0.000580	<0.000960
	MW-42	Apr-21			<0.00595	<0.00394 J4	<0.000600	<0.00239	<0.0565	**0.00740**	<0.000680	<0.000645 J4	<0.00303	0.00127 J	<0.000640	<0.000580	<0.000960 J4
	MW-42	Apr-22			<0.00595	<0.00394	0.00190 J	<0.00239	<0.0565	**0.00757**	<0.000680	<0.000645	<0.00303	<0.000481	<0.000640	<0.000580	<0.000960
	MW-43	Apr-19			<0.786	**<0.764**	<0.0700	<0.428	<2.00	**6.22**	<0.0760	**<0.0938**	**<0.173**	<0.0550	**<0.0758**	<0.0696	<0.0906
	MW-43	Oct-19			<0.786	**<0.764**	<0.0700	<0.428	<2.00	**5.74**	<0.0760	**<0.0938**	**<0.173**	<0.0550	**<0.0758**	<0.0696	<0.0906
	MW-43	Jun-20			<0.0238	<0.0157	0.00337 J	<0.00956	<0.226	**3.09**	<0.00272	<0.00258	**<0.0121**	<0.00192	<0.00256	<0.00232 J4	<0.00384
	MW-43	Oct-20			<0.0595	**<0.0394**	<0.00600	<0.0239	<0.565	**9.06**	<0.00680	**<0.00645**	**<0.0303**	<0.00481	**<0.00640**	<0.00580	<0.00960
	MW-59	Apr-17			<0.00393	<0.00382	<0.000350	<0.00214	<0.0100	0.00218	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453
	MW-59	Apr-18			<0.00393	<0.00382	<0.000350	<0.00214	<0.0100	0.00105	<0.000380	<0.000469	<0.000866	0.000371 J	<0.000379	<0.000348	<0.000453
	MW-59	Apr-19			<0.00393	<0.00382	<0.000350	<0.00214	<0.0100 J4	0.000519 J	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453
	MW-59	Jun-20			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	0.00112	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-60	Jun-20			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	0.00187	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-60	Jun-20	FD		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	0.00390	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-60	Oct-20			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	0.00231	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-60	Oct-20	FD		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	0.00279 B	<0.000136	<0.000129	<0.000605	0.000755 JB	<0.000128	<0.000116	<0.000192
	MW-61	Apr-22			<0.0595	**<0.0394**	<0.00600	<0.0239	<0.565	**1.45**	<0.00680	**<0.00645**	**<0.0303**	<0.00481	**<0.00640**	<0.00580	<0.00960
	MW-61	Oct-22			<0.0595	**<0.0394**	0.0123 J	<0.0239	<0.565	**1.46**	<0.00680	**<0.00645** J4	**<0.0303**	0.0153 J	**<0.00640**	<0.00580	<0.00960
	MW-61	Mar-23			<0.0595	**<0.0394**	<0.00600	<0.0239	<0.565	**0.993**	<0.00680	**<0.00645**	**<0.0303**	0.0297 JB	**<0.00640**	<0.00580	<0.00960
	MW-61	Oct-23			<0.0119	<0.00787	0.00683 J	<0.00478	<0.113	**1.21**	<0.00136	<0.00129	<0.00605	0.00469 J	<0.00128	<0.00116	<0.00192
	MW-61	Apr-24			<0.0238	<0.0157	0.00732 J	<0.00956	<0.226	**0.976**	<0.00272	<0.00258	**<0.0121**	0.0105 JB	<0.00256	<0.00232	<0.00384
	MW-61	Oct-24			<0.0119	<0.00787	0.0108	<0.00478	<0.113	**0.760**	<0.00136	<0.00129	<0.00605	0.00779 J	<0.00128	<0.00116	<0.00192
	MW-62	Oct-20			<0.0238	<0.0157	0.00397 J	<0.00956	<0.226	**1.24**	<0.00272	<0.00258	**<0.0121**	0.00520 J	<0.00256	<0.00232	<0.00384
	MW-62	Sep-21			<0.0595	**<0.0394**	0.0371 J	<0.0239	<0.565	**2.11**	<0.00680	**<0.00645**	**<0.0303**	<0.00481	**<0.00640**	<0.00580	<0.00960
	MW-62	Apr-22			<0.0595	**<0.0394**	0.0465 J	<0.0239	<0.565	**2.19**	<0.00680	**<0.00645**	**<0.0303**	<0.00481	**<0.00640**	<0.00580	<0.00960
	MW-62	Oct-22			<0.0595	**<0.0394**	<0.00600	<0.0239	<0.565	**1.80**	<0.00680	**<0.00645** J4	**<0.0303**	0.00990 J	**<0.00640**	<0.00580	<0.00960
	MW-62R	Apr-21			<0.0595	**<0.0394**	<0.00600	<0.0239	<0.565	**0.451**	<0.00680	**<0.00645**	**<0.0303**	<0.00481	**<0.00640**	<0.00580	<0.00960
	MW-62R	Apr-22			<0.0119	<0.00787	0.00697 J	<0.00478	<0.113	**3.20**	<0.00136	<0.00129	<0.00605	<0.000962	<0.00128	<0.00116	<0.00192
	MW-62R	Mar-23			<0.119	**<0.0787**	<0.0120	<0.0478	<1.13	**6.02**	<0.0136	**<0.0129**	**<0.0605**	0.0515 JB	**<0.0128**	<0.0116	<0.0192
	MW-62R	Apr-24			0.0228	<0.000787	0.00126	<0.000478	<0.0113	**4.77**	<0.000136	<0.000129	<0.000605	0.000277 JB	<0.000128	<0.000116	<0.000192
	MW-67	Oct-17			<0.00393	<0.00382	0.000487 J	<0.00214	<0.0100	**0.130**	<0.000380	<0.000469	<0.000866	0.000547 J	<0.000379	<0.000348	<0.000453
	MW-67	Apr-18			<0.0196	<0.0191	0.00191 J	<0.0107	<0.0500	**0.147**	<0.00190	<0.00234	<0.00433	<0.00138	<0.00190	<0.00174	<0.00226
	MW-67	Oct-18			<0.00393	<0.00382	0.000513 J	<0.00214	<0.0100	0.00480	<0.000380	<0.000469	<0.000866	0.000465 J	<0.000379	<0.000348	<0.000453
	MW-67	Apr-19			<0.0196	<0.0191	<0.00175	<0.0107	<0.0500	**0.122**	<0.00190	<0.00234	<0.00433	<0.00138	<0.00190	<0.00174	<0.00226
	MW-90	Apr-22			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	0.00495	<0.000136	<0.000129	<0.000605	0.000627 J	<0.000128	<0.000116	<0.000192
	MW-90	Oct-22			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	0.00213	<0.000136	<0.000129	<0.000605	0.000338 J	<0.000128	<0.000116	<0.000192
	MW-90	Mar-23			<0.0119	<0.00787 J4	<0.00120	<0.00478 J4	<0.113	0.00257 J	<0.00136	<0.00129	<0.00605	0.00501 J	<0.00128	<0.00116	<0.00192
	MW-90	Oct-23			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	0.000921 J	<0.000136	<0.000129	<0.000605	0.000360 J	<0.000128	<0.000116	<0.000192
	MW-90	Apr-24			0.00435 J	<0.000787	0.000134 J	<0.000478	<0.0113	0.00154	<0.000136	<0.000129	<0.000605	0.000607 JB	<0.000128	<0.000116	<0.000192
	MW-90	Oct-24			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605 Q	0.000474 J	<0.000128	<0.000116	<0.000192 Q
	MW-91	Oct-18			<0.393	**<0.382**	<0.0350	<0.214	<1.00	**2.86**	<0.0380	**<0.0469**	**<0.0866**	<0.0275	**<0.0379**	<0.0348	<0.0453
	MW-91	Apr-19			<0.393	**<0.382**	<0.0350	<0.214	<1.00	**2.89**	<0.0380	**<0.0469**	**<0.0866**	<0.0275	**<0.0379**	<0.0348	<0.0453
	MW-91	Oct-19			<0.393	**<0.382**	<0.0350	<0.214	<1.00	**4.07**	<0.0380	**<0.0469**	**<0.0866**	<0.0275	**<0.0379**	<0.0348	<0.0453
	MW-91	Jun-20			<0.119	**<0.0787**	<0.0120	<0.0478	<1.13	**4.12**	<0.0136	**<0.0129**	**<0.0605**	0.0254 J	**<0.0128**	<0.0116	<0.0192
	MW-93	Apr-17			<0.0982	**<0.0955**	<0.00875	<0.0535	<0.250	**0.633**	<0.00950	**<0.0117**	**<0.0216** J4	<0.00688	**<0.00948**	<0.00870	<0.0113
	MW-93	Apr-18			<0.00393	<0.00382	0.00268	<0.00214	<0.0100	**0.857**	<0.000380	<0.000469	<0.000866	0.00180	<0.000379	<0.000348	<0.000453
	MW-93	Apr-19			<0.00393	<0.00382	0.00345	<0.00214	<0.0100	**0.673**	<0.000380	<0.000469	<0.000866	0.00136	<0.000379	<0.000348	<0.000453
	MW-93	Jun-20			<0.0238	<0.0157	<0.00240	<0.00956	<0.226	**1.21**	<0.00272	<0.00258	**<0.0121**	<0.00192	<0.00256	<0.00232	<0.00384
	MW-94	Nov-14			<0.0790	**<0.0760**	0.0200	<0.0430	<0.200	**0.370**	<0.00760	**<0.00940**	**<0.0170**	0.0200	**<0.00760**	<0.00700	<0.00910
	MW-94	Oct-15			<0.0393	**<0.0382**	0.0301	<0.0214	<0.100	**0.339**	<0.00380	**<0.00469**	**<0.00866**	0.00445 J	<0.00379	<0.00348	<0.00453
	MW-94	Apr-17			<0.0982	**<0.0955**	0.0477	<0.0535	<0.250	**0.284**	<0.00950	**<0.0117**	**<0.0216** J4	0.0101 J	**<0.00948**	<0.00870	<0.0113
	MW-95	Apr-17			<0.00393	<0.00382	<0.000350	<0.00214	<0.0100	<0.000331	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453
	MW-95	Apr-18			<0.00393	<0.00382	<0.000350	<0.00214	<0.0100	<0.000331	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453 J4
	MW-95	Apr-19			<0.00393	<0.00382	<0.000350	<0.00214	<0.0100	<0.000331	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453
	MW-95	Jun-20			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	0.000603 J	<0.000136	<0.000129	<0.000605	0.000192 J	<0.000128	<0.000116	<0.000192
	MW-96	Apr-22			<0.0119	<0.00787	0.00462 J	<0.00478	<0.113	0.000995 J	<0.00136	<0.00129	<0.00605	<0.000962	<0.00128	<0.00116	<0.00192
	MW-96	Oct-22			<0.0238	<0.0157	<0.00240	<0.00956	<0.226	<0.00188	<0.00272	<0.00258	**<0.0121**	<0.00192	<0.00256	<0.00232	<0.00384
	MW-96	Mar-23			<1.19 J3	**<0.787** J3	<0.120	<0.478 3J	<11.3	**<0.0941**	**<0.136**	**<0.129** J3	**<0.605** J3	0.572 J	**<0.128**	**<0.116**	<0.192
	MW-96	Oct-23			<0.0119	<0.00787	<0.00120	<0.00478	<0.113	<0.000941	<0.00136	<0.00129	<0.00605	<0.000962	<0.00128	<0.00116	<0.00192
	MW-96	Apr-24			<0.00119	<0.000787	0.000541 J	<0.000478	<0.0113	0.000831 J	<0.000136	<0.000129	<0.000605	0.000507 JB	<0.000128	<0.000116	<0.000192
	MW-96	Oct-24			<1.19	**<0.787**	<0.120	<0.478	<11.3	**<0.0941**	**<0.136**	**<0.129**	**<0.605**	<0.0962	**<0.128**	**<0.116**	<0.192
	MW-98	Apr-22			<0.0595	**<0.0394**	0.0312 J	<0.0239	<0.565	**0.910**	<0.00680	**<0.00645**	**<0.0303**	<0.00481	**<0.00640**	<0.00580	<0.00960
	MW-98	Oct-22			<0.0595	**<0.0394**	0.0194 J	<0.0239	<0.565	**0.674**	<0.00680	**<0.00645** J4	**<0.0303**	0.0221 J	**<0.00640**	<0.00580	<0.00960
	MW-98	Mar-23			<0.238	**<0.157**	<0.0240	<0.0956	<2.26	**0.617**	<0.0272	**<0.0258**	**<0.121**	0.0594 JB	**<0.0256**	<0.0232	<0.0384
	MW-98	Oct-23			<0.0119	<0.00787	0.00677 J	<0.00478	<0.113	**0.502**	<0.00136	<0.00129	<0.00605	0.0215	<0.00128	<0.00116	<0.00192
	MW-98	Apr-24			<0.0595	**<0.0394**	0.0125 J	<0.0239	<0.565	**0.291**	<0.00680	**<0.00645**	**<0.0303**	0.0353 JB	**<0.00640**	<0.00580	<0.00960
	MW-98	Oct-24			<0.0595	**<0.0394**	0.0176 J	<0.0239	<0.565	**0.237**	<0.00680	**<0.00645**	**<0.0303**	<0.00481	**<0.00640**	<0.00580	<0.00960
	MW-137	Oct-17			<0.786	**<0.764**	<0.0700	<0.428	<2.00	**12.5**	<0.0760	**<0.0938**	**<0.173**	0.0615 J	**<0.0758**	<0.0696	<0.0906
	MW-137	Apr-18			<0.786	**<0.764**	<0.0700	<0.428	<2.00	**9.63**	<0.0760	**<0.0938**	**<0.173**	0.0554 J	**<0.0758**	<0.0696	<0.0906
	MW-137	Oct-18			<0.786	**<0.764**	<0.0700	<0.428	<2.00	**10.6**	<0.0760	**<0.0938**	**<0.173**	<0.0550	**<0.0758**	<0.0696	<0.0906
	MW-137	Apr-19			<0.786	**<0.764**	<0.0700	<0.428	<2.00	**7.93**	<0.0760	**<0.0938**	**<0.173**	<0.0550	**<0.0758**	<0.0696	<0.0906
	MW-138	Oct-17			<0.0196	<0.0191	<0.00175	<0.0107	<0.0500	**0.701**	<0.00190	<0.00234	<0.00433	<0.00138	<0.00190	<0.00174	<0.00226
	MW-138	Apr-18			<0.0196	<0.0191	<0.00175	<0.0107	<0.0500	**0.741**	<0.00190	<0.00234	<0.00433	0.00176 J	<0.00190	<0.00174	<0.00226
	MW-138	Oct-18			<0.0196	<0.0191	0.00303 J	<0.0107	<0.0500	**0.628**	<0.00190	<0.00234	<0.00433	<0.00138	<0.00190	<0.00174	<0.00226
	MW-138	Apr-19			<0.0196	<0.0191	0.00509 J	<0.0107	<0.0500	**0.663**	<0.00190	<0.00234	<0.00433	<0.00138	<0.00190	<0.00174	<0.00226
	MW-157	Oct-24			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192 J3
	RW-1	Apr-15			<0.200	**<0.190**	<0.0180	<0.110	<0.500	**0.962**	<0.0190	**<0.0230**	**<0.0430**	<0.0140	**<0.0190**	<0.0170	<0.0230
	RW-1	Apr-17			<0.0393	**<0.0382**	<0.00350	<0.0214	<0.100	**0.696**	<0.00380	**<0.00469**	**<0.00866**	0.00277 J	<0.00379	<0.00348	<0.00453
	RW-1	Apr-18			<0.00393	<0.00382	0.00204	<0.00214	<0.0100	**1.52**	<0.000380	<0.000469	<0.000866	0.00134	<0.000379	<0.000348	<0.000453
	RW-1	Apr-19			<0.00393	<0.00382	<0.000350	<0.00214	<0.0100	<0.000331	<0.000380	<0.000469	<0.000866	0.00151	<0.000379	<0.000348	<0.000453
	RW-2	Apr-15			<0.0390 UJ	<0.0380 UJ	0.00554 J	<0.0210	0.334 J	**5.34**	<0.00380	**<0.00470** UJ	**<0.00870**	0.00899 J	<0.00380	<0.00350	<0.00450
	RW-2	Apr-17			<0.196	**<0.191**	<0.0175	<0.107	<0.500	**7.78**	<0.0190	**<0.0234**	**<0.0433** J4	<0.0138	**<0.0190**	<0.0174	<0.0226
	RW-2	Apr-18			<0.00393	<0.00382	0.00776	<0.00214	<0.0100	**4.68**	<0.000380	<0.000469	<0.000866	0.00224	<0.000379	<0.000348	<0.000453
	RW-2	Mar-23			<0.0238	<0.0157	<0.00240	<0.00956	<0.226	**1.51**	<0.00272	<0.00258	**<0.0121**	0.0125 JB	<0.00256	<0.00232	<0.00384
	RW-7	Apr-17			<0.00393	<0.00382	<0.000350	<0.00214	0.0100 J	<0.000331	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453
	RW-7	Apr-18			<0.00393	<0.00382	0.000872 J	<0.00214	<0.0100	**0.0319**	<0.000380	<0.000469	<0.000866	0.000556 J	<0.000379	<0.000348	<0.000453 J4
	RW-7	Apr-19			<0.00393	<0.00382	<0.000350	<0.00214	<0.0100	**0.0114**	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453
	RW-7	Jun-20			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	0.00487	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	RW-8	Apr-15			<0.0390	<0.0380	<0.00350	<0.0210	<0.100	**0.0412**	<0.00380	**<0.00470**	**<0.00870**	<0.00280	<0.00380	<0.00350	<0.00450
	RW-8	Apr-17			<0.00393	<0.00382	0.00735	<0.00214	<0.0100	**0.0718**	<0.000380	<0.000469	<0.000866	0.00138	<0.000379	<0.000348	<0.000453
	RW-9	Apr-21			<0.00119	<0.000787 J4	<0.000120	<0.000478	<0.0113	0.000352 J	<0.000136	<0.000129 J4	<0.000605	0.000609 J	<0.000128	<0.000116	<0.000192 J4
	RW-9	Apr-22			<0.0119	<0.00787	<0.00120	<0.00478	<0.113	0.00298 J	<0.00136	<0.00129	<0.00605	<0.000962	<0.00128	<0.00116	<0.00192
	RW-9	Mar-23			<0.0119	<0.00787 J4	<0.00120	<0.00478 J4	<0.113	0.00245 J	<0.00136	<0.00129	<0.00605	0.00272 J	<0.00128	<0.00116	<0.00192
	RW-9	Apr-24			<0.0119	<0.00787	<0.00120	<0.00478	<0.113	0.00241 J	<0.00136	<0.00129	<0.00605	0.00411 JB	<0.00128	<0.00116	<0.00192
	RW-10	Apr-18			<0.00393	<0.00382	<0.000350	<0.00214	<0.0100	<0.000331	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453
	RW-10	Apr-19			<0.00393	<0.00382	<0.000350	<0.00214	<0.0100	<0.000331	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453
	RW-10	Jun-20			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	0.000205 J	<0.000136	<0.000129	<0.000605	0.000318 J	<0.000128	<0.000116 J4	<0.000192
	RW-10	Apr-21			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	0.000378 J	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	RW-16B	Apr-18			<0.00393	<0.00382	<0.000350	<0.00214	<0.0100	<0.000331	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453 J4
	RW-16B	Apr-19			<0.00393	<0.00382	<0.000350	<0.00214	<0.0100	<0.000331	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453
	RW-16B	Jun-20			0.0142	0.00117 J	<0.000120	<0.000478	0.0228 J	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	RW-16B	Mar-23			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	RW-17A	Apr-18			<0.00393	<0.00382	<0.000350	<0.00214	<0.0100	<0.000331	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453
	RW-17A	Apr-19			<0.00393	<0.00382	<0.000350	<0.00214	<0.0100 J4	0.000850 J	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453
	RW-17A	Jun-20			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	RW-17A	Mar-23			<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192

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Appendix B, Table B.4 - Summary of Groundwater Analytical Data - Volatile Organic Compounds

2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Volatile Organic Compounds												
			Analyte	2-Butanone (MEK)	2-Hexanone (Methyl N-Butyl Ketone)	4-Isopropyl-toluene (p-Cymene)	4-Methyl-2-pentanone	Acetone	Benzene	Bromo-dichloro-methane	Bromoform (Tribromo-methane)	Bromo-methane	Carbon disulfide	Carbon tetrachloride	Chloro-benzene	Chloroethane
			Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			CGWSL	5.56	0.0380	---	1.24	14.1	0.00500	0.0800	0.00330	0.00754	0.810	0.00500	0.100	20.9
			CGWSL Source:	NMED TW	USEPA TW	---	NMED TW	TMED TW	WQCC HH	USEPA MCL	USEPA MCL	NMED TW	NMED TW	WQCC HH	USEPA MCL	NMED TW
Area	**Well ID**	**Date**	**Dup**													
North RO Field	MW-117	Apr-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-117	Oct-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-117	Mar-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-117	Oct-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-117	Apr-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-117	Oct-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-118	Apr-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-118	Oct-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-118	Mar-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-118	Oct-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-118	Apr-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-118	Oct-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-119	Apr-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-119	Oct-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-119	Mar-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-119	Oct-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-119	Apr-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-119	Oct-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-140	Mar-23														
	MW-140	Oct-23														
	MW-140	Apr-24														
	MW-140	Oct-24														
	MW-141	Mar-23														
	MW-141	Oct-23														
	MW-141	Apr-24														
	MW-141	Oct-24														
	MW-142	Mar-23														
	MW-142	Oct-23														
	MW-142	Apr-24														
	MW-142	Oct-24														
	MW-143	Mar-23														
	MW-143	Oct-23														
	MW-143	Apr-24														
	MW-143	Oct-24														
	MW-162	Oct-24														
South Refinery	KWB-2R	Oct-19		<0.00393	<0.00382	0.00115	<0.00214	<0.0100	**0.920**	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453
	KWB-2R	Mar-23		<0.00595	<0.00394	0.00548	<0.00239	<0.0565	**0.0537**	<0.000680	<0.000645	<0.00303	0.000737 J	<0.000640	<0.000580	<0.000960 J4
	KWB-2R	Oct-23		<0.00595	<0.00394	<0.000600	<0.00239	<0.0565	**0.0367**	<0.000680	<0.000645	<0.00303	0.000778 J	<0.000640	<0.000580	<0.000960
	KWB-2R	Apr-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	**0.0182**	<0.000136 J4	<0.000129	<0.000605	0.000170 J	<0.000128 J4	<0.000116	<0.000192
	KWB-5	Oct-17		<0.00393	<0.00382	<0.000350	<0.00214	<0.0100	**0.336**	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453
	KWB-5	Apr-18		<0.982	**<0.955**	<0.0875	<0.535	<2.50	**0.411**	**<0.0950**	**<0.117**	**<0.216**	<0.0688	**<0.0948**	<0.0870	<0.113
	KWB-5	Oct-18		<0.982	**<0.955**	<0.0875	<0.535	<2.50	**0.278**	**<0.0950**	**<0.117**	**<0.216**	<0.0688	**<0.0948**	<0.0870	<0.113 J4
	KWB-5	Apr-19		<0.982	**<0.955**	<0.0875	<0.535	<2.50	**0.425**	**<0.0950**	**<0.117**	**<0.216** J3	<0.0688	**<0.0948**	<0.0870	<0.113
	KWB-6	Apr-17		<0.0196	<0.0191	0.00450 J	<0.0107	<0.0500	**4.67**	<0.00190	<0.00234	<0.00433	<0.00138	<0.00190	<0.00174	<0.00226
	KWB-6	Oct-17		<0.00393	<0.00382	0.00825	<0.00214	<0.0100	**3.22**	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453
	KWB-6	Apr-18		<0.0786	**<0.0764**	0.00807 J	<0.0428	<0.200	**3.88**	<0.00760	**<0.00938**	**<0.0173**	<0.00550	**<0.00758**	<0.00696	<0.00906
	KWB-6	Oct-18		<0.0786 J3J4	**<0.0764**	0.00755 J	<0.0428	<0.200 J3	**2.64**	<0.00760	**<0.00938**	**<0.0173**	<0.00550	**<0.00758**	<0.00696	<0.00906
	MW-28	Apr-19		<0.196	**<0.191**	<0.0175	<0.107	<0.500 J4	**1.43**	<0.0190	**<0.0234**	**<0.0433**	<0.0138	**<0.0190**	<0.0174	<0.0226
	MW-28	Oct-19		<0.197	**<0.191**	<0.0175	<0.107	<0.500	**1.51**	<0.0190	**<0.0235**	**<0.0433**	0.0372 J	**<0.0190**	<0.0174	<0.0227
	MW-28	Jun-20		<0.00595	<0.00394	0.00154 J	<0.00239	<0.0565	**0.397**	<0.000680	<0.000645	<0.00303	0.000607 J	<0.000640	<0.000580 J4	<0.000960
	MW-28	Oct-20		<0.00595	<0.00394	0.00110 J	<0.00239	<0.0565	**0.362**	<0.000680	<0.000645	<0.00303	<0.000481	<0.000640	<0.000580	<0.000960
	MW-48	Apr-18		<0.982	**<0.955**	<0.0875	<0.535	<2.50	**14.9**	**<0.0950**	**<0.117**	**<0.216**	<0.0688	**<0.0948**	<0.0870	<0.113
	MW-48	Oct-18		<0.982 J3J4	**<0.955**	<0.0875	<0.535	<2.50 J3	**7.97**	**<0.0950**	**<0.117**	**<0.216**	<0.0688	**<0.0948**	<0.0870	<0.113
	MW-48	Apr-19		<0.982	**<0.955**	<0.0875	<0.535	<2.50	**4.87**	**<0.0950**	**<0.117**	**<0.216** J3	<0.0688	**<0.0948**	<0.0870	<0.113
	MW-48	Oct-19		<0.983	**<0.955**	<0.0875	<0.535	<2.50	**5.04**	**<0.0950**	**<0.117**	**<0.217**	<0.0688	**<0.0948**	<0.0870	<0.113
	MW-50	Apr-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-50	Oct-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-50	Mar-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-50	Oct-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-50	Apr-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000229 JB	<0.000128	<0.000116	<0.000192
	MW-50	Oct-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128 J4	<0.000116	<0.000192
	MW-52	Apr-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-52	Oct-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-52	Mar-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000250 JB	<0.000128	<0.000116	<0.000192
	MW-52	Oct-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	**0.00958**	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-52	Apr-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-52	Oct-24		<0.00119 J3	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-64	Apr-22		<0.0298	<0.0197	<0.00300	<0.0120	<0.282	**23.8**	<0.00340	<0.00322	**<0.0151**	0.0101 J	<0.00320	<0.00290	<0.00480
	MW-64	Oct-22		<0.298	**<0.197**	<0.0300	<0.120	<2.82	**28.9**	<0.0340	**<0.0323** J4	**<0.151**	<0.0241	**<0.0320**	<0.0290	<0.0480
	MW-64	Mar-23		<0.595	**<0.394**	<0.0600	<0.239	<5.65	**22.7**	<0.0680	**<0.0645**	**<0.303**	0.257 JB	**<0.0640**	<0.0580	<0.0960
	MW-64	Oct-23		<0.119	**<0.0787**	<0.0120	<0.0478	<1.13	**28.0**	<0.0136	**<0.0129**	**<0.0605**	0.0164 J	**<0.0128**	<0.0116	<0.0192
	MW-64	Apr-24		<0.595	**<0.394**	<0.0600	<0.239	<5.65	**19.6**	<0.0680	**<0.0645**	**<0.303**	<0.0481	**<0.0640**	<0.0580	<0.0960
	MW-64	Oct-24		<0.595	**<0.394**	<0.0600	<0.239	<5.65	**24.6**	<0.0680	**<0.0645**	**<0.303**	<0.0481	**<0.0640**	<0.0580	<0.0960
	MW-65	Oct-19		<0.393	**<0.382**	<0.0350	<0.214	<1.00	**6.07**	<0.0380	**<0.0469**	**<0.0866**	<0.0275	**<0.0379**	<0.0348	<0.0453
	MW-65	Mar-23		<0.00119 J3	<0.000787 J3	0.000816 J	<0.000478 3J	<0.0113	**0.462**	<0.000136	<0.000129 J3	<0.000605 J3	0.00144	<0.000128	<0.000116	<0.000192
	MW-65	Oct-23		<0.0298	<0.0197	<0.00300	<0.0120	<0.282	**0.216**	<0.00340	<0.00322	**<0.0151**	0.00299 J	<0.00320	<0.00290	<0.00480
	MW-65	Apr-24		<0.0298	<0.0197	<0.00300	<0.0120	<0.282	**0.319**	<0.00340	<0.00322	**<0.0151**	<0.00241	<0.00320	<0.00290	<0.00480
	MW-66	Oct-19		<0.0983	**<0.0955**	<0.00875	<0.0535	<0.250	**1.24**	<0.00950	**<0.0117**	**<0.0217**	<0.00688	**<0.00948**	<0.00870	<0.0113
	MW-66	Jun-20		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	**1.18**	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-66	Oct-20		<0.0119	<0.00787	<0.00120	<0.00478	<0.113	**0.965**	<0.00136	<0.00129	<0.00605	<0.000962	<0.00128	<0.00116	<0.00192
	MW-66	Apr-21		<0.0119	<0.00787	<0.00120	<0.00478	<0.113	**0.701**	<0.00136	<0.00129	<0.00605	<0.000962	<0.00128	<0.00116	<0.00192
	MW-99	Oct-18		<0.393 J3J4	**<0.382**	<0.0350	<0.214	<1.00 J3	**2.54**	<0.0380	**<0.0469**	**<0.0866**	<0.0275	**<0.0379**	<0.0348	<0.0453
	MW-99	Apr-19		<0.393	**<0.382**	<0.0350	<0.214	<1.00 J4	**1.67**	<0.0380	**<0.0469**	**<0.0866**	<0.0275	**<0.0379**	<0.0348	<0.0453
	MW-99	Oct-19		<0.393	**<0.382**	<0.0350	<0.214	<1.00	**0.233**	<0.0380	**<0.0469**	**<0.0866**	<0.0275	**<0.0379**	<0.0348	<0.0453
	MW-99	Jun-20		<0.0119	<0.00787	0.00193 J	<0.00478	<0.113	**0.414**	<0.00136	<0.00129	<0.00605	0.0193	<0.00128	<0.00116	<0.00192
	MW-101	Apr-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	**0.173**	<0.000136	<0.000129	<0.000605	0.000487 JB	<0.000128	<0.000116	<0.000192
	MW-101	Oct-22		<0.00119	<0.000787	0.000540 J	0.00283 J	0.0396 J	**0.467**	<0.000136	<0.000129 J4	<0.000605	0.000295 J	<0.000128	<0.000116	<0.000192
	MW-101	Mar-23		<0.0119	<0.00787	<0.00120	<0.00478	<0.113	**3.93**	<0.00136	<0.00129	<0.00605	0.00602 JB	<0.00128	<0.00116	<0.00192
	MW-101	Oct-23		<0.00119	<0.000787	0.000238 J	<0.000478	<0.0113	**0.0178**	<0.000136	<0.000129	<0.000605	0.000101 J	<0.000128	<0.000116	<0.000192
	MW-101	Apr-24		0.00752 J	<0.000787	<0.000120	<0.000478	<0.0113	**0.0110**	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-101	Oct-24		<0.00119	<0.000787	<0.000120	0.00219 J	<0.0113	**6.99**	<0.000136	<0.000129	<0.000605	0.00109	<0.000128	<0.000116	<0.000192
	MW-102	Apr-22		<0.0595	**<0.0394**	0.0218 JB	<0.0239	<0.565	**11.8**	<0.00680	**<0.00645**	**<0.0303**	0.0230 J	**<0.00640**	<0.00580	<0.00960
	MW-102	Apr-22	FD	<0.0298	<0.0197	0.00668 J	<0.0120	<0.282	**14.4**	<0.00340	<0.00322	**<0.0151**	<0.00241	<0.00320	<0.00290	<0.00480
	MW-102	Oct-22		<0.298	**<0.197**	<0.0300	<0.120	<2.82	**15.8**	<0.0340	**<0.0323**	**<0.151**	<0.0241	**<0.0320**	<0.0290	<0.0480
	MW-102	Oct-22	FD	<0.298	**<0.197**	<0.0300	<0.120	<2.82	**14.7**	<0.0340	**<0.0323**	**<0.151**	<0.0241	**<0.0320**	<0.0290	<0.0480
	MW-102	Mar-23		<0.238	**<0.157**	<0.0240	<0.0956	<2.26	**16.3**	<0.0272	**<0.0258**	**<0.121**	0.0703 JB	**<0.0256**	<0.0232	<0.0384
	MW-102	Mar-23	FD	<0.119	**<0.0787**	<0.0120	<0.0478	<1.13	**15.8**	<0.0136	**<0.0129**	**<0.0605**	0.0322 JB	**<0.0128**	<0.0116	<0.0192
	MW-102	Oct-23		0.0270	0.00612 J	<0.000120	<0.000478	<0.0113	**13.4**	<0.000136	<0.000129	<0.000605	0.000559 J	<0.000128	<0.000116	<0.000192
	MW-102	Oct-23	FD	<0.298	**<0.197**	<0.0300	<0.120	<2.82	**11.2**	<0.0340	**<0.0323**	**<0.151**	0.0294 J	**<0.0320**	<0.0290	<0.0480
	MW-102	Apr-24		<0.0119	<0.00787	0.00507 J	<0.00478	<0.113	**15.0**	<0.00136	<0.00129	<0.00605	0.00126 J	<0.00128	<0.00116	<0.00192
	MW-102	Apr-24	FD	0.0478 J	<0.00787	0.00396 J	0.0188 J	<0.113	**13.5**	<0.00136	<0.00129	<0.00605	<0.000962	<0.00128	<0.00116	<0.00192
	MW-102	Oct-24		<0.298	**<0.197**	<0.0300	<0.120	<2.82	**12.8**	<0.0340	**<0.0323**	**<0.151**	<0.0241	**<0.0320**	<0.0290	<0.0480
	MW-102	Oct-24	FD	<0.298	**<0.197**	<0.0300	<0.120	<2.82	**17.8**	<0.0340	**<0.0323**	**<0.151**	<0.0241	**<0.0320**	<0.0290	<0.0480
	MW-103	Apr-21		<0.0238	<0.0157	<0.00240	<0.00956	<0.226	**1.09**	<0.00272	<0.00258	**<0.0121**	<0.00192	<0.00256	<0.00232	<0.00384
	MW-103	Apr-22		<0.0119	<0.00787	<0.00120	<0.00478	<0.113	**1.23**	<0.00136	<0.00129	<0.00605	0.00474 J	<0.00128	<0.00116	<0.00192
	MW-103	Mar-23		<0.0119	<0.00787	<0.00120	<0.00478	<0.113	**0.995**	<0.00136	<0.00129	<0.00605	0.00371 JB	<0.00128	<0.00116	<0.00192
	MW-103	Apr-24		<0.0119	<0.00787	<0.00120	<0.00478	<0.113	**0.836**	<0.00136	<0.00129	<0.00605	<0.000962	<0.00128	<0.00116	<0.00192
	MW-104	Apr-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	**0.0135**	<0.000136	<0.000129	<0.000605	0.000579 J	<0.000128	<0.000116	<0.000192
	MW-104	Oct-22		0.0239	<0.000787	<0.000120	<0.000478	<0.0113	0.0000963 J	0.000422 J	<0.000129 J4	<0.000605	0.000653 J	<0.000128	<0.000116	<0.000192
	MW-104	Mar-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	**0.00954**	<0.000136	<0.000129	<0.000605	0.00204	<0.000128	<0.000116	<0.000192
	MW-104	Oct-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	0.00333	<0.000136	<0.000129	<0.000605	0.000453 J	<0.000128	<0.000116	<0.000192
	MW-104	Apr-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	**0.0324**	<0.000136	<0.000129	<0.000605	0.000601 J	<0.000128	<0.000116	<0.000192
	MW-104	Oct-24		0.0148	<0.000787	<0.000120	<0.000478	<0.0113	**0.0341**	<0.000136	<0.000129	<0.000605	0.000862 J	<0.000128	<0.000116	<0.000192

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Appendix B, Table B.4 - Summary of Groundwater Analytical Data - Volatile Organic Compounds

2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Volatile Organic Compounds													
				Analyte	2-Butanone (MEK)	2-Hexanone (Methyl N-Butyl Ketone)	4-Isopropyl-toluene (p-Cymene)	4-Methyl-2-pentanone	Acetone	Benzene	Bromo-dichloro-methane	Bromoform (Tribromo-methane)	Bromo-methane	Carbon disulfide	Carbon tetrachloride	Chloro-benzene	Chloroethane
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	5.56	0.0380	---	1.24	14.1	0.00500	0.0800	0.00330	0.00754	0.810	0.00500	0.100	20.9
				CGWSL Source:	NMED TW	USEPA TW	---	NMED TW	TMED TW	WQCC HH	USEPA MCL	USEPA MCL	NMED TW	NMED TW	WQCC HH	USEPA MCL	NMED TW
Area	**Well ID**	**Date**	**Dup**														
South Refinery	MW-105	Apr-22		<0.0298	<0.0197	0.00333 J	<0.0120	<0.282	**5.34**	<0.00340	<0.00322	**<0.0151**	<0.00241	<0.00320	<0.00290	<0.00480
	MW-105	Oct-22		<0.119	**<0.0787**	<0.0120	<0.0478	<1.13	**0.904**	<0.0136	**<0.0129** J4	**<0.0605**	0.0126 J	**<0.0128**	<0.0116	<0.0192
	MW-105	Mar-23		<0.119	**<0.0787**	<0.0120	<0.0478	<1.13	**3.65**	<0.0136	**<0.0129**	**<0.0605**	0.0738 JB	**<0.0128**	<0.0116	<0.0192
	MW-105	Oct-23		<0.00595	<0.00394	0.00320 J	<0.00239	<0.0565	**0.386**	<0.000680	<0.000645	<0.00303	0.000482 J	<0.000640	<0.000580	<0.000960
	MW-105	Apr-24		<0.0119	<0.00787	0.00430 J	0.00687 J	<0.113	**3.90**	<0.00136	<0.00129	<0.00605	<0.000962	<0.00128	<0.00116	<0.00192
	MW-105	Oct-24		0.0361 J	<0.00394	0.00454 J	<0.00239	<0.0565	**3.15**	<0.000680	<0.000645	<0.00303	0.00484 J	<0.000640	<0.000580	<0.000960
	MW-106	Apr-21		<0.238	**<0.157**	<0.0240	<0.0956	<2.26	**9.39**	<0.0272	**<0.0258**	**<0.121**	<0.0192	**<0.0256**	<0.0232	<0.0384
	MW-106	Oct-23		<0.0119	<0.00787	<0.00120	<0.00478	<0.113	**1.23**	<0.00136	<0.00129	<0.00605	<0.000962	<0.00128	<0.00116	<0.00192
	MW-106	Apr-24		<0.0298	<0.0197	0.00357 J	<0.0120	<0.282	**12.4**	<0.00340	<0.00322	**<0.0151**	0.0158 JB	<0.00320	<0.00290	<0.00480
	MW-106	Oct-24		<0.595	**<0.394**	<0.0600	<0.239	<5.65	**7.17**	<0.0680	**<0.0645**	**<0.303**	<0.0481	**<0.0640**	<0.0580	<0.0960 J3
	MW-107	Oct-15		<0.393	**<0.382**	<0.0350	<0.214	<1.00	**6.29**	<0.0380	**<0.0469**	**<0.0866**	<0.0275	**<0.0379**	<0.0348	<0.0453
	MW-107	Apr-17		<0.196	**<0.191**	<0.0175	<0.107	<0.500	**3.37**	<0.0190	**<0.0234**	**<0.0433** J4	<0.0138	**<0.0190**	<0.0174	<0.0226
	MW-107	Apr-18		<0.00393	<0.00382	0.000710 J	0.00375 J	<0.0100	**6.55**	<0.000380	<0.000469	<0.000866	0.000332 J	<0.000379	<0.000348	<0.000453
	MW-107	Apr-19		<0.982	**<0.955**	<0.0875	<0.535	<2.50 J4	**6.43**	**<0.0950**	**<0.117**	**<0.216**	<0.0688	**<0.0948**	<0.0870	<0.113
	MW-109	Apr-22		<0.00119	<0.000787	0.000727 J	<0.000478	<0.0113	**1.55**	<0.000136	<0.000129	<0.000605	0.000655 J	<0.000128	<0.000116	<0.000192
	MW-109	Oct-22		<0.0298	<0.0197	<0.00300	<0.0120	<0.282	**1.22**	<0.00340	<0.00322	**<0.0151**	<0.00241	<0.00320	<0.00290	<0.00480
	MW-109	Mar-23		<0.0595	**<0.0394**	<0.00600	<0.0239	<0.565	**0.866**	<0.00680	**<0.00645**	**<0.0303**	<0.00481	**<0.00640**	<0.00580	<0.00960
	MW-109	Oct-23		<0.0298	<0.0197	<0.00300	<0.0120	<0.282	**0.863**	<0.00340	<0.00322	**<0.0151**	<0.00241	<0.00320	<0.00290	<0.00480
	MW-109	Apr-24		<0.0298	<0.0197	<0.00300	<0.0120	<0.282	**0.984**	<0.00340	<0.00322	**<0.0151**	<0.00241	<0.00320	<0.00290	<0.00480
	MW-109	Oct-24		<0.00119 J3	<0.000787	0.000619 J	<0.000478	<0.0113	**1.24 Q**	<0.000136	<0.000129	<0.000605	0.000567 J	<0.000128	<0.000116	<0.000192
	MW-110	Apr-22		<0.00119	<0.000787	0.000460 J	<0.000478	0.0141 J	**0.120**	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-110	Oct-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	0.000221 J	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-110	Mar-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	0.000281 J	<0.000136	<0.000129	<0.000605	0.000285 JB	<0.000128	<0.000116	<0.000192
	MW-110	Oct-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	0.000103 J	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-110	Apr-24		0.0108	<0.000787	<0.000120	<0.000478	<0.0113	0.000907 J	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-110	Oct-24		<0.00119 J3	<0.000787	<0.000120	<0.000478	<0.0113	0.000222 JQ	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-139	Apr-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	0.000537 J	<0.000192
	MW-139	Oct-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-139	Mar-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	0.000607 J	<0.000192
	MW-139	Oct-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	0.000955 J	<0.000192
	MW-139	Apr-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000269 JB	<0.000128	0.000613 J	<0.000192
	MW-139	Oct-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128 J4	0.000536 J	<0.000192
	MW-158	Oct-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192 J3
	MW-159	Oct-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	0.000299 J	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192 J3
	RA-313	Apr-21		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	RA-313	Apr-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000322 J	<0.000128	<0.000116	<0.000192
	RA-313	Mar-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	0.000451 J	<0.000605	0.000270 JB	<0.000128	<0.000116	<0.000192
	RA-313	Apr-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	RW-4	Jun-20		<0.00119	<0.000787	0.000341 J	<0.000478	<0.0113	**0.0184**	<0.000136	<0.000129	<0.000605	0.00108 B	<0.000128	<0.000116	<0.000192
	RW-4	Apr-22		<0.00119	<0.000787	0.00108 B	<0.000478	<0.0113	**0.0198**	<0.000136	<0.000129	<0.000605	0.000676 J	<0.000128	<0.000116	<0.000192
	RW-4	Mar-23		0.00879 J	<0.000787	0.000378 J	<0.000478	<0.0113	**0.0145**	<0.000136	<0.000129	<0.000605	0.00344	<0.000128	<0.000116	<0.000192
	RW-4	Apr-24		<0.00119	<0.000787	0.000721 J	<0.000478	<0.0113	**0.0493**	<0.000136	<0.000129	<0.000605	0.00345	<0.000128	<0.000116	<0.000192
	RW-5R	Apr-15		<0.0390	<0.0380	<0.00350	<0.0210	<0.100	**2.92**	<0.00380	**<0.00470**	**<0.00870**	<0.00280	<0.00380	<0.00350	<0.00450
	RW-6	Apr-18		<0.00393	<0.00382	0.000996 J	<0.00214	<0.0100	**2.67**	<0.000380	<0.000469	<0.000866	0.000533 J	<0.000379	<0.000348	<0.000453
	RW-6	Apr-19		<0.0786	**<0.0764**	<0.00700	<0.0428	<0.200 J4	**1.18**	<0.00760	**<0.00938**	**<0.0173**	<0.00550	**<0.00758**	<0.00696	<0.00906
	RW-6	Mar-23		<0.0298 J3	<0.0197 J3	<0.00300	<0.0120 3J	<0.282	**6.04**	<0.00340	<0.00322 J3	**<0.0151** J3	0.0331	<0.00320	<0.00290	<0.00480
	RW-6	Apr-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	0.00240	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	RW-15C	Apr-17		<0.0982	**<0.0955**	<0.00875	<0.0535	<0.250	**19.1**	<0.00950	**<0.0117**	**<0.0216**	<0.00688	**<0.00948**	<0.00870	<0.0113
	RW-15C	Apr-18		<0.00393	<0.00382	0.00545	<0.00214	<0.0100	**21.9**	<0.000380	<0.000469	<0.000866	0.000650 JV3	<0.000379	<0.000348	<0.000453
	RW-15C	Apr-19		<0.0393	**<0.0382**	0.00722 J	<0.0214	<0.100	<0.00331	<0.00380	**<0.00469**	**<0.00866** J3	<0.00275	<0.00379	<0.00348	<0.00453
	RW-19	Apr-24		<0.0238	<0.0157	0.0107 J	<0.00956	<0.226	**0.0259**	<0.00272	<0.00258	**<0.0121**	<0.00192	<0.00256	<0.00232	<0.00384
South RO Field	MW-114	Apr-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000362 J	<0.000128	<0.000116	<0.000192
	MW-114	Oct-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-114	Mar-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000151 JB	<0.000128	<0.000116	<0.000192
	MW-114	Oct-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-114	Apr-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-114	Oct-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-115	Apr-22		<0.0119	<0.00787	<0.00120	<0.00478	<0.113	<0.000941	<0.00136	<0.00129	<0.00605	0.00364 J	<0.00128	<0.00116	<0.00192
	MW-115	Oct-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-115	Mar-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000144 JB	<0.000128	<0.000116	<0.000192
	MW-115	Oct-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-115	Apr-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-115	Oct-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-116	Apr-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-116	Oct-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129 J4	<0.000605	0.000152 J	<0.000128	<0.000116	<0.000192
	MW-116	Mar-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000128 JB	<0.000128	<0.000116	<0.000192
	MW-116	Apr-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000339 JB	<0.000128	<0.000116	<0.000192
	MW-116	Oct-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-144	Mar-23														
	MW-144	Oct-23														
	MW-144	Apr-24														
	MW-144	Oct-24														
	MW-163	Oct-24														
TEL	MW-49	Apr-22		<0.00595	<0.00394	0.00341 J	<0.00239	<0.0565	**0.236**	<0.000680	<0.000645	<0.00303	0.00337 JB	<0.000640	<0.000580	<0.000960
	MW-49	Oct-22		0.00693 J	<0.000787	0.00251	0.00252 J	0.0728	**0.278**	<0.000136	<0.000129 J4	<0.000605	0.00227	<0.000128	<0.000116	<0.000192
	MW-49	Mar-23		<0.0119	<0.00787	<0.00120	<0.00478	<0.113	**0.280**	<0.00136	<0.00129	<0.00605	0.00528 JB	<0.00128	<0.00116	<0.00192
	MW-49	Oct-23		<0.0119	<0.00787	0.00415 J	<0.00478	<0.113	**0.588**	<0.00136	<0.00129	<0.00605	<0.000962	<0.00128	<0.00116	<0.00192
	MW-49	Apr-24		<0.0119	<0.00787	0.00379 J	<0.00478	<0.113	**0.701**	<0.00136	<0.00129	<0.00605	0.00655 JB	<0.00128	<0.00116	<0.00192
	MW-49	Oct-24		<0.0119	<0.00787	0.00479 J	<0.00478	<0.113	**0.273**	<0.00136	<0.00129	<0.00605	0.00200 J	<0.00128	<0.00116	<0.00192
	TEL-1	Oct-18		<0.0196	<0.0191	<0.00175	<0.0107	<0.0500	<0.00166	<0.00190	<0.00234	<0.00433	<0.00138	<0.00190	<0.00174	<0.00226
	TEL-1	Apr-19		<0.00393	<0.00382	<0.000350	<0.00214	<0.0100 J4	<0.000331	<0.000380	<0.000469	<0.000866	0.00214	<0.000379	<0.000348	<0.000453
	TEL-1	Oct-19		<0.00393	<0.00382	<0.000350	<0.00214	<0.0100	<0.000331	<0.000380	<0.000469	<0.000866	0.00114 B	<0.000379	<0.000348	<0.000453
	TEL-1	Jun-20		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	TEL-2	Oct-18		<0.0982	**<0.0955**	<0.00875	<0.0535	<0.250	**0.936**	<0.00950	**<0.0117**	**<0.0216**	<0.00688	**<0.00948**	<0.00870	<0.0113
	TEL-2	Apr-19		<0.0393	**<0.0382**	<0.00350	<0.0214	<0.100 J4	**1.08**	<0.00380	**<0.00469**	**<0.00866**	0.0474	<0.00379	<0.00348	<0.00453
	TEL-2	Oct-19		<0.0393	**<0.0382**	<0.00350	<0.0214	<0.100	**0.618**	<0.00380	**<0.00469**	**<0.00866**	<0.00275	<0.00379 J4	<0.00348	<0.00453
	TEL-2	Jun-20		<0.0119	<0.00787	<0.00120	<0.00478	<0.113	**0.362**	<0.00136	<0.00129	<0.00605	<0.000962	<0.00128	<0.00116	<0.00192
	TEL-3	Apr-18		<0.00393	<0.00382	0.000823 J	<0.00214	<0.0100	**0.392**	<0.000380	<0.000469	<0.000866	0.00114	<0.000379	<0.000348	<0.000453
	TEL-3	Apr-19		<0.00393	<0.00382	0.000906 J	<0.00214	<0.0100 J4	**0.162**	<0.000380	<0.000469	<0.000866	0.00181	<0.000379	<0.000348	<0.000453
	TEL-3	Oct-19		<0.00393	<0.00382	0.000861 J	<0.00214	<0.0100	**0.0573**	<0.000380	<0.000469	<0.000866	0.00279 B	<0.000379	<0.000348	<0.000453
	TEL-3	Oct-20		<0.00119	<0.000787	0.00180	<0.000478	<0.0113	**0.182**	<0.000136	<0.000129	<0.000605 J4	0.00307	<0.000128	<0.000116	<0.000192
	TEL-4	Apr-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	**0.00899**	<0.000136	<0.000129	<0.000605	0.000915 J	<0.000128	<0.000116	<0.000192
	TEL-4	Apr-22	FD	<0.00595	<0.00394	<0.000600	<0.00239	<0.0565	**0.0102**	<0.000680	<0.000645	<0.00303	<0.000481	<0.000640	<0.000580	<0.000960
	TEL-4	Oct-22		0.0143	<0.000787	0.000121 J	0.00806 J	0.0170 J	0.000469 J	0.000146 J	<0.000129 J4	<0.000605	0.000652 J	<0.000128	<0.000116	<0.000192
	TEL-4	Oct-22	FD	0.0132	<0.000787	0.000163 J	0.00752 J	0.0150 J	0.000541 J	<0.000136	<0.000129 J4	<0.000605	0.000399 J	<0.000128	<0.000116	<0.000192
	TEL-4	Mar-23		<0.0238	<0.0157	<0.00240	<0.00956	<0.226	**0.0147 J**	<0.00272	<0.00258	**<0.0121**	0.00645 JB	<0.00256	<0.00232	<0.00384
	TEL-4	Mar-23	FD	<0.0238	<0.0157	<0.00240	<0.00956	<0.226	**0.00645 J**	<0.00272	<0.00258	**<0.0121**	0.00216 J	<0.00256	<0.00232	<0.00384
	TEL-4	Oct-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	TEL-4	Oct-23	FD	<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	TEL-4	Apr-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000264 JB	<0.000128	<0.000116	<0.000192
	TEL-4	Apr-24	FD	0.0159	<0.000787	<0.000120	<0.000478	0.0157 J	<0.0000941	<0.000136	<0.000129	<0.000605	0.000293 JB	<0.000128	<0.000116	<0.000192
	TEL-4	Oct-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	0.000274 J	<0.000136	<0.000129	<0.000605	0.000378 J	<0.000128	<0.000116	<0.000192
	TEL-4	Oct-24	FD	<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	0.000284 J	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128 J4	<0.000116	<0.000192

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Appendix B, Table B.4 - Summary of Groundwater Analytical Data - Volatile Organic Compounds

2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Volatile Organic Compounds													
				Analyte	2-Butanone (MEK)	2-Hexanone (Methyl N-Butyl Ketone)	4-Isopropyl-toluene (p-Cymene)	4-Methyl-2-pentanone	Acetone	Benzene	Bromo-dichloro-methane	Bromoform (Tribromo-methane)	Bromo-methane	Carbon disulfide	Carbon tetrachloride	Chloro-benzene	Chloroethane
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	5.56	0.0380	---	1.24	14.1	0.00500	0.0800	0.00330	0.00754	0.810	0.00500	0.100	20.9
				CGWSL Source:	NMED TW	USEPA TW	---	NMED TW	TMED TW	WQCC HH	USEPA MCL	USEPA MCL	NMED TW	NMED TW	WQCC HH	USEPA MCL	NMED TW
Area	**Well ID**	**Date**	**Dup**														
Three Mile Ditch	MW-8	Apr-21		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-8	Apr-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-8	Mar-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000250 JB	<0.000128	<0.000116	<0.000192
	MW-8	Apr-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-16	Apr-21		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-16	Apr-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-16	Mar-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-16	Apr-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-20	Apr-21		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-20	Apr-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000364 J	<0.000128	<0.000116	<0.000192
	MW-20	Mar-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000335 JB	<0.000128	<0.000116	<0.000192
	MW-20	Apr-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-21	Apr-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-21	Oct-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	0.00332 J	<0.000136	<0.000129 J4	<0.000605	0.000135 J	<0.000128	<0.000116	<0.000192
	MW-21	Mar-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000152 JB	<0.000128	<0.000116	<0.000192
	MW-21	Oct-23		<0.00595	<0.00394	<0.000600	<0.00239	<0.0565	<0.000471	<0.000680	<0.000645	<0.00303	<0.000481	<0.000640	<0.000580	<0.000960
	MW-21	Apr-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-21	Oct-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-25	Apr-21		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-25	Apr-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-25	Mar-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-25	Apr-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-26	Apr-21		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-26	Apr-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-26	Mar-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-26	Apr-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-27	Apr-21		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-27	Apr-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-27	Mar-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-27	Apr-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-46R	Apr-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-46R	Oct-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	0.000118 J	<0.000136	<0.000129 J4	<0.000605	0.000104 J	<0.000128	<0.000116	<0.000192
	MW-46R	Mar-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000109 JB	<0.000128	<0.000116	<0.000192
	MW-46R	Oct-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000175 J	<0.000128	<0.000116	<0.000192
	MW-46R	Apr-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000258 JB	<0.000128	<0.000116	<0.000192
	MW-46R	Oct-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-68	Apr-21		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113 J3J4	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-68	Apr-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-68	Mar-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-68	Apr-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-71	Apr-21		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113 J3J4	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-71	Apr-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-71	Mar-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000154 JB	<0.000128	<0.000116	<0.000192
	MW-71	Apr-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-89	Apr-21		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-89	Apr-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-89	Mar-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	MW-89	Apr-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136 J4	<0.000129	<0.000605	<0.0000962	<0.000128 J4	<0.000116	<0.000192
	MW-152	Oct-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192 J3
	MW-153	Oct-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192 J3
	MW-154	Oct-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192 J3
	MW-155	Oct-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192 J3
	MW-156	Oct-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192 J3
	NP-1	Apr-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	0.000161 J	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	NP-1	Oct-22		<0.0238	<0.0157	<0.00240	<0.00956	<0.226	<0.00188	<0.00272	<0.00258 J4	**<0.0121**	<0.00192	<0.00256	<0.00232	<0.00384
	NP-1	Mar-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000295 JB	<0.000128	<0.000116	<0.000192
	NP-1	Oct-23		<0.0238	<0.0157	<0.00240	<0.00956	<0.226	<0.00188	<0.00272	<0.00258	**<0.0121**	<0.00192	<0.00256	<0.00232	<0.00384
	NP-1	Apr-24		<0.0238	<0.0157	<0.00240	<0.00956	<0.226	<0.00188	<0.00272	<0.00258	**<0.0121**	<0.00192	<0.00256	<0.00232	<0.00384
	NP-1	Oct-24		<0.0238	<0.0157	<0.00240	<0.00956	<0.226	0.00280 J	<0.00272	<0.00258	**<0.0121**	<0.00192	<0.00256	<0.00232	<0.00384
	NP-6	Apr-17		<0.00393	<0.00382	<0.000350	<0.00214	<0.0100	<0.000331	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453
	NP-6	Apr-19		<0.00393	<0.00382	<0.000350	<0.00214	<0.0100	<0.000331	<0.000380	<0.000469	<0.000866	<0.000275	<0.000379	<0.000348	<0.000453
	NP-6	Apr-21		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	NP-6	Mar-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	0.000277 JB	<0.000128	<0.000116	<0.000192
Upgradient	UG-1	Apr-21		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136 J4	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	UG-1	Apr-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129 J4	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	UG-1	Mar-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605 J3	<0.0000962	<0.000128	<0.000116	<0.000192
	UG-1	Apr-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	0.00106	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	UG-2	Apr-21		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136 J4	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	UG-2	Apr-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129 J4	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	UG-2	Mar-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605 J3	<0.0000962	<0.000128	<0.000116	<0.000192
	UG-2	Apr-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	UG-3R	Apr-21		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136 J4	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	UG-3R	Apr-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129 J4	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	UG-3R	Mar-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605 J3	<0.0000962	<0.000128	<0.000116	<0.000192
	UG-3R	Apr-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	UG-4	Apr-21		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136 J4	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	UG-4	Apr-22		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129 J4	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192
	UG-4	Mar-23		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605 J3	<0.0000962	<0.000128	<0.000116	<0.000192
	UG-4	Apr-24		<0.00119	<0.000787	<0.000120	<0.000478	<0.0113	<0.0000941	<0.000136	<0.000129	<0.000605	<0.0000962	<0.000128	<0.000116	<0.000192

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Appendix B, Table B.4 - Summary of Groundwater Analytical Data - Volatile Organic Compounds

2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Volatile Organic Compounds											
				Analyte	Chloroform	Chloromethane	cis-1,2-Dichloro-ethene	cis-1,3-Dichloro-propene	Dibromo-chloromethane	Ethyl-benzene	Isopropyl-benzene (Cumene)	m,p-Xylene	Methyl tert-butyl ether (MTBE)	Methylene chloride	Naphthalene	n-Butyl-benzene
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	0.0800	0.0203	0.0700	0.00471	0.0800	0.700	0.447	0.193	0.100	0.00500	0.0300	1.00
				CGWSL Source:	USEPA MCL	NMED TW	WQCC HH	USEPA TW	USEPA MCL	WQCC HH	WQCC TW	NMED TW	WQCC Dom	WQCC HH	WQCC HH	USEPA TW
Area	Well ID	Date	Dup													
Cross-Gradient	KWB-13	Apr-21		<0.000111	<0.000960	<0.000126	<0.000111 J4	<0.000140	0.000210 J	<0.000105	0.000438 J	<0.000101	<0.000430	<0.00100	<0.000157
	KWB-13	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	KWB-13	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	KWB-13	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-136	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000602 J	<0.000430	<0.00100	<0.000157
	MW-136	Oct-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000291 J	<0.000430	<0.00100	<0.000157
	MW-136	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000356 J	<0.000430	<0.00100	<0.000157
	MW-136	Oct-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000290 J	<0.000430	<0.00100	<0.000157
	MW-136	Oct-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000207 J	<0.000430	<0.00100	<0.000157
	MW-149	Oct-23		<0.000111	<0.000960 J4	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-149	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-149	Oct-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-150	Oct-23		<0.000111	<0.000960 J4	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-150	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-150	Oct-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	NP-5	Apr-17		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	<0.000384	<0.000326	<0.000719	<0.000367	<0.00100	<0.00100	<0.000361
	NP-5	Apr-19		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327 J4	<0.000384	<0.000326	<0.000719	<0.000367	<0.00100	<0.00100	<0.000361
	NP-5	Apr-21		<0.000111	<0.000960	<0.000126	<0.000111 J4	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	NP-5	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100 J3J4	<0.000157
	RA-3156	Apr-19		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	<0.000384	<0.000326	<0.000719	<0.000367	<0.00100	<0.00100 J4	<0.000361
	RA-3156	Jun-20		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	RA-3156	Apr-21		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000124 J	<0.000430	<0.00100	<0.000157
	RA-3156	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
Evaporation Ponds	MW-1R	Apr-21		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-1R	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100 J4	<0.000157
	MW-1R	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100 J3J4	<0.000157
	MW-1R	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-2A	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-2A	Oct-22													
	MW-2A	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-2A	Oct-23													
	MW-2A	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-2A	Oct-24													
	MW-3	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	0.000208 J	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-3	Apr-22	FD	0.000139 J	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-3	Oct-22													
	MW-3	Oct-22	FD												
	MW-3	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-3	Mar-23	FD	<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-3	Oct-23													
	MW-3	Oct-23	FD												
	MW-3	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-3	Apr-24	FD	<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-3	Oct-24													
	MW-3	Oct-24	FD												
	MW-4A	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	0.00107	0.000882 J	0.000221 J	<0.000430	<0.00100 J4	<0.000157
	MW-4A	Oct-22													
	MW-4A	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	0.000921 J	0.000512 J	0.000221 J	<0.000430	<0.00100	<0.000157
	MW-4A	Oct-23													
	MW-4A	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	0.00131	0.000719 J	0.000279 J	<0.000430	<0.00100	<0.000157
	MW-4A	Oct-24													
	MW-4B	Apr-17		<0.000324	<0.000276 J4	<0.000260	<0.000418 J4	<0.000327	<0.000384	0.000727 J	<0.000719	<0.000367	<0.00100	<0.00100 J4	<0.000361
	MW-4B	Apr-19		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	<0.000384	0.000395 J	<0.000719	<0.000367	<0.00100	<0.00100 J3	<0.000361
	MW-4B	Apr-21		<0.000111	<0.000960 J4	<0.000126	<0.000111	<0.000140	<0.000137	0.000184 J	<0.000430	0.000158 J	<0.000430	<0.00100 J4	<0.000157
	MW-4B	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-5A	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	0.000288 J	<0.000430	0.00111	<0.000430	<0.00100 J4	<0.000157
	MW-5A	Oct-22													
	MW-5A	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.00102	<0.000430	<0.00100	<0.000157
	MW-5A	Oct-23													
	MW-5A	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	0.000251 J	<0.000430	0.000986 J	<0.000430	<0.00100	<0.000157
	MW-5A	Oct-24													
	MW-5B	Apr-17		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	<0.000384	<0.000326	<0.000719	0.00140	<0.00100	<0.00100	<0.000361
	MW-5B	Apr-19		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	<0.000384	<0.000326	<0.000719	0.000981 J	<0.00100	<0.00100 J3	<0.000361
	MW-5B	Apr-21		<0.000111	<0.000960 J4	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000335 J	<0.000430	<0.00100 J4	<0.000157
	MW-5B	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	0.000110 J	<0.000430	0.00104	<0.000430	<0.00100	<0.000157
	MW-5C	Apr-17		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	<0.000384	<0.000326	<0.000719	0.000369 J	<0.00100	<0.00100	<0.000361
	MW-5C	Apr-19		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	<0.000384	<0.000326	<0.000719	<0.000367	<0.00100	<0.00100 J3	<0.000361
	MW-5C	Apr-21		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000861 J	<0.000430	<0.00100	<0.000157
	MW-5C	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000335 J	<0.000430	<0.00100	<0.000157
	MW-6A	Apr-21		<0.000555	<0.00480 J4	<0.000630	<0.000555	<0.000700	0.00142 J	<0.000525	0.00298 J	<0.000505	<0.00215	<0.00500 J4	<0.000785
	MW-6A	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	0.00107	0.000339 J	0.00270	<0.000101	<0.000430	<0.00100 J4	<0.000157
	MW-6A	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	0.000884 J	0.000287 J	0.00233	<0.000101	<0.000430	<0.00100	<0.000157
	MW-6A	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	0.00250	0.000291 J	0.00847	<0.000101	<0.000430	<0.00100	<0.000157
	MW-6B	Apr-17		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	<0.000384	<0.000326	<0.000719	<0.000367	<0.00100	<0.00100	<0.000361
	MW-6B	Apr-19		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	<0.000384	<0.000326	<0.000719	<0.000367	<0.00100	<0.00100 J3	<0.000361
	MW-6B	Apr-21		<0.000111	<0.000960 J4	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100 J4	<0.000157
	MW-6B	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-7A	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000867 J	<0.000430	<0.00100 J4	<0.000157
	MW-7A	Apr-22	FD	<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000830 J	<0.000430	<0.00100 J4	<0.000157
	MW-7A	Oct-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000830 J	<0.000430	<0.00100	<0.000157
	MW-7A	Oct-22	FD	<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000831 J	<0.000430	<0.00100	<0.000157
	MW-7A	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000862 J	<0.000430	<0.00100	<0.000157
	MW-7A	Mar-23	FD	<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.00104	<0.000430	<0.00100	<0.000157
	MW-7A	Oct-23		<0.000111	<0.000960	<0.000126	<0.000111 J4	<0.000140	<0.000137	<0.000105	<0.000430	0.000854 J	<0.000430	<0.00100	<0.000157
	MW-7A	Oct-23	FD	<0.000111	<0.000960	<0.000126	<0.000111 J4	<0.000140	<0.000137	<0.000105	<0.000430	0.000807 J	<0.000430	<0.00100	<0.000157
	MW-7A	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000862 J	<0.000430	<0.00100	<0.000157
	MW-7A	Apr-24	FD	<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000866 J	<0.000430	<0.00100	<0.000157
	MW-7A	Oct-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000930 J	<0.000430	<0.00100	<0.000157
	MW-7A	Oct-24	FD	<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.00100 J	<0.000430	<0.00100	<0.000157
	MW-7B	Apr-17		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	<0.000384	<0.000326	<0.000719	<0.000367	<0.00100	<0.00100	<0.000361
	MW-7B	Apr-19		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	<0.000384	<0.000326	<0.000719	<0.000367	<0.00100	<0.00100 J3	<0.000361
	MW-7B	Apr-21		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-7B	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000175 J	<0.000430	<0.00100	<0.000157
	MW-10	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.00103	<0.000430	<0.00100 J4	<0.000157
	MW-10	Oct-22													
	MW-10	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000898 J	<0.000430	<0.00100	<0.000157
	MW-10	Oct-23													
	MW-10	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000775 J	<0.000430	<0.00100	<0.000157
	MW-10	Oct-24													
	MW-11A	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-11A	Oct-22													
	MW-11A	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-11A	Oct-23													
	MW-11A	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-11A	Oct-24													

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Appendix B, Table B.4 - Summary of Groundwater Analytical Data - Volatile Organic Compounds

2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Volatile Organic Compounds											
				Analyte	Chloroform	Chloromethane	cis-1,2-Dichloro-ethene	cis-1,3-Dichloro-propene	Dibromo-chloromethane	Ethyl-benzene	Isopropyl-benzene (Cumene)	m,p-Xylene	Methyl tert-butyl ether (MTBE)	Methylene chloride	Naphthalene	n-Butyl-benzene
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	0.0800	0.0203	0.0700	0.00471	0.0800	0.700	0.447	0.193	0.100	0.00500	0.0300	1.00
				CGWSL Source:	USEPA MCL	NMED TW	WQCC HH	USEPA TW	USEPA MCL	WQCC HH	WQCC TW	NMED TW	WQCC Dom	WQCC HH	WQCC HH	USEPA TW
Area	**Well ID**	**Date**	**Dup**													
Evaporation Ponds	MW-11B	Apr-17		<0.000324	<0.000276 J4	<0.000260	<0.000418 J4	<0.000327	<0.000384	<0.000326	<0.000719	<0.000367	<0.00100	<0.00100 J4	<0.000361
	MW-11B	Apr-19		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	<0.000384	<0.000326	<0.000719	<0.000367	<0.00100	<0.00100	<0.000361
	MW-11B	Apr-21		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-11B	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-15	Apr-21		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-15	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100 J4	<0.000157
	MW-15	Mar-23		0.000112 J	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000139 J	<0.000430	<0.00100 J3J4	<0.000157
	MW-15	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-18A	Apr-22		0.000115 J	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000636 J	<0.000430	<0.00100	0.000420 JB
	MW-18A	Oct-22													
	MW-18A	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000779 J	<0.000430	<0.00100 J3J4	<0.000157
	MW-18A	Oct-23													
	MW-18A	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000597 J	<0.000430	<0.00100	<0.000157
	MW-18A	Oct-24													
	MW-18B	Apr-17		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	<0.000384	<0.000326	<0.000719	<0.000367	<0.00100	<0.00100	<0.000361
	MW-18B	Apr-19		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	<0.000384	<0.000326	<0.000719	<0.000367	<0.00100	<0.00100	<0.000361
	MW-18B	Apr-21		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-18B	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100 J3J4	<0.000157
	MW-22A	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.00239	<0.000430	<0.00100 J4	<0.000157
	MW-22A	Apr-22	FD	<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.00231	<0.000430	<0.00100 J4	<0.000157
	MW-22A	Oct-22													
	MW-22A	Oct-22	FD												
	MW-22A	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.00117	<0.000430	<0.00100	<0.000157
	MW-22A	Mar-23	FD	<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.00114	<0.000430	<0.00100	<0.000157
	MW-22A	Oct-23													
	MW-22A	Oct-23	FD												
	MW-22A	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.00203	<0.000430	<0.00100	<0.000157
	MW-22A	Apr-24	FD	<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.00184	<0.000430	<0.00100	<0.000157
	MW-22A	Oct-24													
	MW-22A	Oct-24	FD												
	MW-22B	Apr-17		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	<0.000384	<0.000326	<0.000719	0.00564	<0.00100	<0.00100	<0.000361
	MW-22B	Apr-19		<0.000324	<0.000276	<0.000260	<0.000418 J4	<0.000327	<0.000384	<0.000326	<0.000719	0.00582	<0.00100	<0.00100	<0.000361
	MW-22B	Apr-21		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.00462	<0.000430	<0.00100	<0.000157
	MW-22B	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	0.000224 J	<0.000430	0.00462	<0.000430	<0.00100	<0.000157
	MW-70	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-70	Oct-22													
	MW-70	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000152 J	<0.000430	<0.00100 J3J4	<0.000157
	MW-70	Oct-23													
	MW-70	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000106 J	<0.000430	<0.00100	<0.000157
	MW-70	Oct-24													
	MW-72	Apr-21		<0.000111	<0.000960 J4	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100 J4	<0.000157
	MW-72	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-72	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-72	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-73	Apr-21		<0.000111	<0.000960 J4	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.00102	<0.000430	<0.00100 J4	<0.000157
	MW-73	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000576 J	<0.000430	<0.00100	<0.000157
	MW-73	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000466 J	<0.000430	<0.00100	<0.000157
	MW-73	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000568 J	<0.000430	<0.00100	<0.000157
	MW-74	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000482 J	<0.000430	<0.00100	<0.000157
	MW-74	Oct-22													
	MW-74	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000439 J	<0.000430	<0.00100	<0.000157
	MW-74	Oct-23													
	MW-74	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000804 J	<0.000430	<0.00100	<0.000157
	MW-74	Oct-24													
	MW-75	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	0.000970 J	<0.000430	0.00471	<0.000430	<0.00100 J4	<0.000157
	MW-75	Oct-22													
	MW-75	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	0.00279	<0.000430	0.00380	<0.000430	<0.00100	<0.000157
	MW-75	Oct-23													
	MW-75	Apr-24		<0.0222	**<0.192**	<0.0252	**<0.0222**	<0.0280	<0.0274	<0.0210	<0.0860	<0.0202	**<0.0860**	**<0.200**	<0.0314
	MW-75	Oct-24													
	MW-76	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	0.00127	<0.000430	0.00418	<0.000430	<0.00100 J4	<0.000157
	MW-76	Oct-22													
	MW-76	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	0.000630 J	<0.000430	0.00361	<0.000430	0.00138 J	<0.000157
	MW-76	Oct-23													
	MW-76	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	0.000268 J	<0.000430	0.00324	<0.000430	<0.00100	<0.000157
	MW-76	Oct-24													
	MW-77	Apr-21		<0.00278	**<0.0240**	<0.00315	<0.00278	<0.00350	<0.00343	<0.00263	<0.0107	<0.00253	**<0.0107**	<0.0250	<0.00393
	MW-77	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	0.000224 J	<0.000430	0.000672 J	<0.000430	<0.00100 J4	<0.000157
	MW-77	Mar-23		<0.00111	<0.00960	<0.00126	<0.00111	<0.00140	<0.00137	<0.00105	<0.00430	<0.00101	<0.00430	<0.0100	<0.00157
	MW-77	Apr-24		<0.0222	**<0.192**	<0.0252	**<0.0222**	<0.0280	<0.0274	<0.0210	<0.0860	<0.0202	**<0.0860**	**<0.200**	<0.0314
	MW-78	Apr-21		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-78	Apr-22		<0.00111	<0.00960	<0.00126	<0.00111	<0.00140	<0.00137	<0.00105	<0.00430	<0.00101	<0.00430	<0.0100	<0.00157
	MW-78	Mar-23		<0.00111	<0.00960	<0.00126	<0.00111	<0.00140	<0.00137	<0.00105	<0.00430	<0.00101	<0.00430	<0.0100	<0.00157
	MW-78	Apr-24		<0.0222	**<0.192**	<0.0252	**<0.0222**	<0.0280	<0.0274	<0.0210	<0.0860	<0.0202	**<0.0860**	**<0.200**	<0.0314
	MW-79	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-79	Oct-22													
	MW-79	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-79	Oct-23													
	MW-79	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-79	Oct-24													
	MW-80	Apr-21		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-80	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-80	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-80	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-81	Apr-21		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-81	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-81	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-81	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-82	Apr-21		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-82	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100 J4	<0.000157
	MW-82	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-82	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-83	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	0.000238 J	<0.000430	0.000199 J	<0.000430	<0.00100	<0.000157
	MW-83	Oct-22													
	MW-83	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	0.000294 J	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-83	Oct-23													
	MW-83	Apr-24		<0.0222	**<0.192**	<0.0252	**<0.0222**	<0.0280	<0.0274	<0.0210	<0.0860	<0.0202	**<0.0860**	**<0.200**	<0.0314
	MW-83	Oct-24													
	MW-84	Apr-22		<0.00222	<0.0192	<0.00252	<0.00222	<0.00280	<0.00274	<0.00210	<0.00860	<0.00202	**<0.00860**	<0.0200	<0.00314
	MW-84	Oct-22													
	MW-84	Mar-23		<0.00111	<0.00960	<0.00126	<0.00111	<0.00140	<0.00137	<0.00105	<0.00430	<0.00101	<0.00430	<0.0100	<0.00157
	MW-84	Oct-23													
	MW-84	Apr-24		<0.00111	<0.00960	<0.00126	<0.00111	<0.00140	<0.00137	<0.00105	<0.00430	<0.00101	<0.00430	<0.0100	<0.00157
	MW-84	Oct-24													

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Appendix B, Table B.4 - Summary of Groundwater Analytical Data - Volatile Organic Compounds

2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Volatile Organic Compounds											
				Analyte	Chloroform	Chloromethane	cis-1,2-Dichloro-ethene	cis-1,3-Dichloro-propene	Dibromo-chloromethane	Ethyl-benzene	Isopropyl-benzene (Cumene)	m,p-Xylene	Methyl tert-butyl ether (MTBE)	Methylene chloride	Naphthalene	n-Butyl-benzene
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	0.0800	0.0203	0.0700	0.00471	0.0800	0.700	0.447	0.193	0.100	0.00500	0.0300	1.00
				CGWSL Source:	USEPA MCL	NMED TW	WQCC HH	USEPA TW	USEPA MCL	WQCC HH	WQCC TW	NMED TW	WQCC Dom	WQCC HH	WQCC HH	USEPA TW
Area	Well ID	Date	Dup													
Evaporation Ponds	MW-86	Jun-20		<0.00222	<0.0192	<0.00252	<0.00222	<0.00280	0.0199 J	0.00509 J	0.0267 J	<0.00202	**<0.00860**	<0.0200	<0.00314
	MW-86	Oct-20		<0.00222	<0.0192	<0.00252	<0.00222	<0.00280	0.0228	0.00405 J	0.0295 J	<0.00202	**<0.00860**	<0.0200	<0.00314
	MW-87	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000586 J	<0.000430	<0.00100	<0.000157
	MW-87	Oct-22													
	MW-87	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000455 J	<0.000430	<0.00100 J3J4	<0.000157
	MW-87	Oct-23													
	MW-87	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000404 J	<0.000430	<0.00100	<0.000157
	MW-87	Oct-24													
	MW-88	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100 J4	<0.000157
	MW-88	Oct-22													
	MW-88	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-88	Oct-23													
	MW-88	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-88	Oct-24													
	MW-120	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100 J4	<0.000157
	MW-120	Oct-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-120	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-120	Oct-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-120	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-120	Oct-24		<0.000111	<0.000960 Q	<0.000126	<0.000111	<0.000140	<0.000137		<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-121	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100 J4	<0.000157
	MW-121	Oct-22													
	MW-121	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-121	Oct-23													
	MW-121	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-121	Oct-24													
	MW-122	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-122	Oct-22													
	MW-122	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-122	Oct-23													
	MW-122	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-122	Oct-24													
	MW-123	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.00164	<0.000430	<0.00100 J4	<0.000157
	MW-123	Oct-22													
	MW-123	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.00157	<0.000430	<0.00100	<0.000157
	MW-123	Oct-23													
	MW-123	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.00137	<0.000430	<0.00100	<0.000157
	MW-123	Oct-24													
	MW-124	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100 J4	<0.000157
	MW-124	Oct-22													
	MW-124	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100 J3J4	<0.000157
	MW-124	Oct-23													
	MW-124	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-124	Oct-24													
	OCD-1R	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	OCD-1R	Oct-22													
	OCD-1R	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	OCD-1R	Oct-23													
	OCD-1R	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	OCD-1R	Oct-24													
	OCD-2A	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	OCD-2A	Oct-22													
	OCD-2A	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	OCD-2A	Oct-23													
	OCD-2A	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	OCD-2A	Oct-24													
	OCD-3	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	OCD-3	Oct-22													
	OCD-3	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	OCD-3	Oct-23													
	OCD-3	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	OCD-3	Oct-24													
	OCD-4	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	OCD-4	Oct-22													
	OCD-4	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	OCD-4	Oct-23													
	OCD-4	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	OCD-4	Oct-24													
	OCD-5	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	OCD-5	Oct-22													
	OCD-5	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	OCD-5	Oct-23													
	OCD-5	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	OCD-5	Oct-24													
	OCD-6	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	OCD-6	Oct-22													
	OCD-6	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	OCD-6	Oct-23													
	OCD-6	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	OCD-6	Oct-24													
	OCD-7AR	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.00130	<0.000430	<0.00100	<0.000157
	OCD-7AR	Oct-22													
	OCD-7AR	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.00164	<0.000430	<0.00100	<0.000157
	OCD-7AR	Oct-23													
	OCD-7AR	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.00169	<0.000430	<0.00100	<0.000157
	OCD-7AR	Oct-24													
	OCD-7B	Apr-17		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	<0.000384	<0.000326	<0.000719	<0.000367	<0.00100	<0.00100	<0.000361
	OCD-7B	Apr-19		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	<0.000384	<0.000326	<0.000719	<0.000367	<0.00100	<0.00100 J3	<0.000361
	OCD-7B	Apr-21		<0.000111	<0.000960 J4	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100 J4	<0.000157
	OCD-7B	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	OCD-8A	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.00228	<0.000430	<0.00100 J4	<0.000157
	OCD-8A	Oct-22													
	OCD-8A	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.00211	<0.000430	<0.00100	<0.000157
	OCD-8A	Oct-23													
	OCD-8A	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.00403	<0.000430	<0.00100	<0.000157
	OCD-8A	Oct-24													
	OCD-8B	Apr-17		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	<0.000384	<0.000326	<0.000719	0.000919 J	<0.00100	<0.00100	<0.000361
	OCD-8B	Apr-19		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	<0.000384	<0.000326	<0.000719	0.000876 J	<0.00100	<0.00100	<0.000361
	OCD-8B	Apr-21		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000606 J	<0.000430	<0.00100	<0.000157
	OCD-8B	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000523 J	<0.000430	<0.00100	<0.000157

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Appendix B, Table B.4 - Summary of Groundwater Analytical Data - Volatile Organic Compounds

2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Volatile Organic Compounds											
				Analyte	Chloroform	Chloromethane	cis-1,2-Dichloro-ethene	cis-1,3-Dichloro-propene	Dibromo-chloromethane	Ethyl-benzene	Isopropyl-benzene (Cumene)	m,p-Xylene	Methyl tert-butyl ether (MTBE)	Methylene chloride	Naphthalene	n-Butyl-benzene
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	0.0800	0.0203	0.0700	0.00471	0.0800	0.700	0.447	0.193	0.100	0.00500	0.0300	1.00
				CGWSL Source:	USEPA MCL	NMED TW	WQCC HH	USEPA TW	USEPA MCL	WQCC HH	WQCC TW	NMED TW	WQCC Dom	WQCC HH	WQCC HH	USEPA TW
Area	Well ID	Date	Dup													
Field East of Refinery	KWB-1A	Oct-22		0.00225 J	<0.000960 J3	<0.000126	<0.000111 J4	<0.000140	0.00519	0.00428	0.0334	<0.000101	<0.000430	0.00274 J	0.000659 J
	KWB-1A	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	0.00365	0.00417	0.0335	<0.000101	<0.000430	0.00247 J	0.000447 J
	KWB-1A	Oct-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	0.00145	0.00283	0.0264	<0.000101	<0.000430	0.00328 J	<0.000157
	KWB-1A	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	0.00111	0.00186	0.0232	<0.000101	<0.000430	0.00268 J	<0.000157
	KWB-1A	Oct-24		<0.000111	<0.000960 J3	<0.000126	<0.000111	<0.000140	<0.000137	0.000714 J	0.0130	<0.000101	<0.000430	0.00479 J	<0.000157
	KWB-1C	Apr-17		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	<0.000384	<0.000326	<0.000719	<0.000367	<0.00100	<0.00100	<0.000361
	KWB-1C	Apr-19		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	<0.000384	<0.000326	<0.000719	<0.000367	<0.00100	<0.00100 J4	<0.000361
	KWB-1C	Apr-21		<0.000111	<0.000960	<0.000126	<0.000111 J4	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	KWB-1C	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	KWB-7	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	0.00103	0.0405	0.00103 J	0.00646	<0.000430	0.00138 J	<0.000157
	KWB-7	Oct-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	0.00122	0.0705	<0.000430	0.00469	<0.000430	0.00143 JB	0.000891 JB
	KWB-7	Mar-23		<0.00555	**<0.0480**	<0.00630	**<0.00555**	<0.00700	<0.00685	0.0273 J	<0.0215	0.00819 J	**<0.0215**	**<0.0500**	<0.00785
	KWB-7	Oct-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	0.000345 J	0.0310	<0.000430	0.00353	<0.000430	<0.00100	<0.000157
	KWB-7	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	0.000274 J	0.0240	<0.000430	0.00471	<0.000430	<0.00100	0.000475 J
	KWB-7	Oct-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	0.0202	<0.000430	0.00451	<0.000430	0.00131 J	0.000481 J
	KWB-8	Apr-17		<0.0324	**<0.0276**	<0.0260	**<0.0418**	<0.0327	**1.24**	0.0467 J	**1.92**	**0.129**	**<0.100**	**0.141 J**	<0.0361
	KWB-8	Oct-17		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	0.617	0.0182	**0.782**	**0.134 V3**	<0.00100	**0.0519**	0.00209
	KWB-8	Oct-20		<0.0222	**<0.192**	<0.0252	**<0.0222**	<0.0280	**2.89**	0.0937 J	**4.05**	0.0230 J	**<0.0860**	**0.539 J**	<0.0314
	KWB-10R	Apr-17		0.0172 J	<0.0138	<0.0130	**<0.0209**	<0.0164	0.505	0.0486 J	**0.716**	**3.65**	**<0.0500**	**0.156 J**	<0.0180
	KWB-10R	Oct-17		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	0.530	0.0494	**0.655**	**5.41**	<0.00100	**0.152**	<0.000361
	KWB-10R	Apr-18		**<0.0810**	**<0.0690**	<0.0650	**<0.104**	**<0.0818**	0.354	<0.0815	**0.457 J**	**2.74**	**<0.250**	**<0.250**	<0.0902
	KWB-10R	Oct-18		**<0.0810**	**<0.0690**	<0.0650	**<0.104**	**<0.0818**	0.238 J	<0.0815	**0.217 J**	**4.12**	**<0.250**	**<0.250**	<0.0902
	KWB-11A	Oct-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140 J4	0.000721 J	0.00320	<0.000430	0.00158	<0.000430	<0.00100	0.000449 J
	KWB-11A	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	0.000343 J	0.00343	<0.000430	0.000877 J	<0.000430	<0.00100 J3J4	<0.000157
	KWB-11A	Oct-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	0.000585 J	<0.000430	0.00147	<0.000430	<0.00100	<0.000157
	KWB-11A	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	0.00151	<0.000430	0.000749 J	<0.000430	<0.00100	<0.000157
	KWB-11A	Oct-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	0.000344 J	<0.000430	0.00156	<0.000430	<0.00100	<0.000157
	KWB-11B	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	0.000121 J	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	KWB-11B	Oct-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140 J4	<0.000137	<0.000105	<0.000430	0.00145	<0.000430	<0.00100	<0.000157
	KWB-11B	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.00111	<0.000430	<0.00100	<0.000157
	KWB-11B	Oct-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.00150	<0.000430	<0.00100	<0.000157
	KWB-11B	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000897 J	<0.000430	<0.00100	<0.000157
	KWB-11B	Oct-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.00115	<0.000430	<0.00100	<0.000157
	KWB-12A	Sep-21		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	0.000527 J	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	KWB-12A	Oct-22		<0.000111	<0.000960 J3	<0.000126	<0.000111 J4	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	KWB-12A	Oct-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	KWB-12A	Oct-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	KWB-12B	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	KWB-12B	Apr-22	FD	<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	KWB-12B	Oct-22		<0.000111	<0.000960 J3	<0.000126	<0.000111 J4	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	KWB-12B	Oct-22	FD	<0.000111	<0.000960 J3	<0.000126	<0.000111 J4	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	KWB-12B	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	KWB-12B	Mar-23	FD	<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	KWB-12B	Oct-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	KWB-12B	Oct-23	FD	<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	KWB-12B	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	0.000278 J	<0.000105	0.000544 J	<0.000101	<0.000430	<0.00100	<0.000157
	KWB-12B	Apr-24	FD	<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	0.000345 J	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	KWB-12B	Oct-24		<0.000111	<0.000960 J3	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	KWB-12B	Oct-24	FD	<0.000111	<0.000960 J3	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	KWB-P4	Apr-17		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	<0.000384	<0.000326	<0.000719	<0.000367	<0.00100	<0.00100	<0.000361
	KWB-P4	Apr-19		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	<0.000384	<0.000326	<0.000719	<0.000367	<0.00100	<0.00100 J4	<0.000361
	KWB-P4	Apr-21		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	KWB-P4	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-57	Oct-20		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-57	Apr-21		<0.000111	<0.000960	<0.000126	<0.000111 J4	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-57	Sep-21		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-57	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	0.000221 J	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-58	Oct-17		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	0.0965	0.0456	**0.220**	0.0987	<0.00100	**0.0469**	0.00529
	MW-58	Apr-18		<0.0162	<0.0138	<0.0130	**<0.0209**	<0.0164	**0.946**	0.0521	**0.268**	0.0303 J	**<0.0500**	**0.267**	<0.0180
	MW-58	Oct-18		<0.0162	<0.0138	<0.0130	**<0.0209**	<0.0164	0.0351 J	0.0461 J	<0.0360	0.0624	**<0.0500**	**<0.0500**	<0.0180
	MW-58	Oct-19		<0.00324	<0.00276	<0.00260	<0.00418	<0.00327 J4	0.634	0.0370	**0.395**	<0.00367	**<0.0100**	**0.0917**	0.00804 J
	MW-111	Oct-18		<0.00810	<0.00690	<0.00650	**<0.0104**	<0.00818	<0.00960	<0.00815	<0.0180	**1.47**	**<0.0250**	<0.0250	<0.00902
	MW-111	Apr-19		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	0.00258	0.00388	0.00523	**1.46**	<0.00100	0.00408 J	<0.000361
	MW-111	Oct-19		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	0.0164	0.00148	0.00995	**1.23**	<0.00100	0.00372 J	<0.000361
	MW-111	Jun-20		<0.00278	**<0.0240**	<0.00315	<0.00278	<0.00350	0.0408	0.00406 J	0.0148 J	**1.30**	**<0.0107**	<0.0250	<0.00393
	MW-112	Nov-14		<0.00810	<0.00690	<0.00650	**<0.0100**	<0.00820	**0.970**	0.0570	**1.40**	**1.00**	**<0.0250**	**0.200**	<0.00900
	MW-113	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	0.0217	0.00337	0.0955	0.0147	<0.000430	0.00192 JJ4	0.000267 J
	MW-113	Apr-22	FD	<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	0.0227	0.00334	0.102	0.0136	<0.000430	0.00163 J	<0.000157
	MW-113	Oct-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140 J4	**2.58**	0.148	**1.06**	0.0341	<0.000430	**0.329 JB**	0.0130
	MW-113	Oct-22	FD	<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	**2.63**	0.160	**1.12**	0.0365	<0.000430	**0.301 B**	0.0143
	MW-113	Mar-23		0.00273 J	<0.000960	<0.000126	<0.000111	<0.000140	0.0185	0.00613	0.0425	0.0159	<0.000430	0.00660	0.000906 J
	MW-113	Mar-23	FD	<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	0.0233	0.00765	0.0536	0.0152	<0.000430	0.00678	0.00113
	MW-113	Oct-23		<0.00555	**<0.0480**	<0.00630	**<0.00555**	<0.00700	**2.23**	0.139	**0.848**	0.0421 J	**<0.0215**	**0.168 JJ4**	<0.00785
	MW-113	Oct-23	FD	<0.00555	**<0.0480**	<0.00630	**<0.00555**	<0.00700	**2.21**	0.138	**0.826**	0.0431 J	**<0.0215**	**0.182 JJ4**	<0.00785
	MW-113	Apr-24		<0.000555	<0.00480	<0.000630	<0.000555	<0.000700	0.0128	0.00407 J	0.0690	0.0172	<0.00215	0.00628 J	<0.000785
	MW-113	Apr-24	FD	<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	0.0103	0.00350	0.0552	0.0169	<0.000430	0.00518	<0.000157
	MW-113	Oct-24		<0.0111	**<0.0960**	<0.0126	**<0.0111**	<0.0140	**1.91**	0.110	**0.680**	**0.165**	**<0.0430**	**<0.100** J4	<0.0157
	MW-113	Oct-24	FD	<0.00222	<0.0192	<0.00252	<0.00222	<0.00280	**1.76**	0.0854	**0.640**	**0.144**	**<0.00860**	**0.148**	0.00833 J
	MW-125	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-125	Oct-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-125	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-125	Oct-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000124 J	<0.000430	<0.00100	<0.000157
	MW-125	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000172 J	<0.000430	<0.00100	<0.000157
	MW-125	Oct-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000385 J	<0.000430	<0.00100	<0.000157
	MW-126A	Apr-19		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	<0.000384	<0.000326	<0.000719	<0.000367	<0.00100	<0.00100 J4	<0.000361
	MW-126A	Oct-19		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	0.0114	0.0135	0.00569	<0.000367	<0.00100	0.00221 J	<0.000361
	MW-126A	Jun-20		<0.000111	<0.000960	<0.000126	<0.000111 J4	<0.000140	<0.000137	<0.000105	<0.000430	0.000248 J	<0.000430	<0.00100	<0.000157
	MW-126A	Oct-20		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000502 J	<0.000430	<0.00100	<0.000157
	MW-126B	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000155 J	<0.000430	<0.00100	<0.000157
	MW-126B	Oct-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-126B	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000236 J	<0.000430	<0.00100	<0.000157
	MW-126B	Oct-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000214 J	<0.000430	<0.00100	<0.000157
	MW-126B	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000143 J	<0.000430	<0.00100	<0.000157
	MW-126B	Oct-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000204 J	<0.000430	<0.00100	<0.000157
	MW-127	Oct-17		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	0.0937	0.0130	0.0445	**0.885**	<0.00100	0.00901	<0.000361
	MW-127	Apr-18		<0.00648	<0.00552	<0.00520	**<0.00836**	<0.00654	0.121	0.0160 J	0.0654	**0.623**	**<0.0200**	<0.0200	<0.00722
	MW-127	Oct-18		<0.00648	<0.00552	<0.00520	**<0.00836**	<0.00654	0.0797	0.0180 J	0.0458	**0.774**	**<0.0200**	<0.0200	<0.00722
	MW-127	Apr-19		<0.00648	<0.00552	<0.00520	**<0.00836**	<0.00654	0.138	0.0199 J	0.0933	**0.628**	**<0.0200**	<0.0200 J4	<0.00722
	MW-128	Oct-17		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	0.00128	0.00133	0.00336	**0.785**	<0.00100	0.00142 J	<0.000361
	MW-128	Apr-18		<0.00648	<0.00552	<0.00520	**<0.00836**	<0.00654	<0.00768	<0.00652	<0.0144	**0.961**	**<0.0200**	**0.0422 J**	<0.00722
	MW-128	Oct-18		<0.00648	<0.00552	<0.00520	**<0.00836**	<0.00654	0.0247	<0.00652	<0.0144	**0.963**	**<0.0200**	<0.0200	<0.00722
	MW-128	Apr-19		<0.00648	<0.00552	<0.00520	**<0.00836**	<0.00654	0.0199 J	<0.00652	<0.0144	**0.765**	**<0.0200**	<0.0200	<0.00722

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Appendix B, Table B.4 - Summary of Groundwater Analytical Data - Volatile Organic Compounds

2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Volatile Organic Compounds											
				Analyte	Chloroform	Chloromethane	cis-1,2-Dichloro-ethene	cis-1,3-Dichloro-propene	Dibromo-chloromethane	Ethyl-benzene	Isopropyl-benzene (Cumene)	m,p-Xylene	Methyl tert-butyl ether (MTBE)	Methylene chloride	Naphthalene	n-Butyl-benzene
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	0.0800	0.0203	0.0700	0.00471	0.0800	0.700	0.447	0.193	0.100	0.00500	0.0300	1.00
				CGWSL Source:	USEPA MCL	NMED TW	WQCC HH	USEPA TW	USEPA MCL	WQCC HH	WQCC TW	NMED TW	WQCC Dom	WQCC HH	WQCC HH	USEPA TW
Area	Well ID	Date	Dup													
Field East of Refinery	MW-129	Apr-15		<0.000320	<0.000280	<0.000260	<0.000420	<0.000330	0.00131	0.00198	0.00245	**7.04**	<0.00100	0.00407 J	0.000458 J
	MW-129	Oct-15		<0.0324	**<0.0276**	<0.0260	**<0.0418**	<0.0327	<0.0384	<0.0326	<0.0719	**5.79**	**<0.100**	**<0.100**	<0.0361
	MW-129	Apr-17		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	<0.000384	0.000976 J	0.000737 J	**4.34**	<0.00100	0.00247 J	<0.000361
	MW-129	Apr-18		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	0.00130	0.000687 J	0.00125 J	**5.40**	<0.00100	0.00124 J	<0.000361
	MW-130	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.00212	<0.000430	<0.00100 J4	<0.000157
	MW-130	Oct-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.00231	<0.000430	<0.00100	<0.000157
	MW-130	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.00236	<0.000430	<0.00100	<0.000157
	MW-130	Oct-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.00236	<0.000430	0.00133 J	<0.000157
	MW-130	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.00240	<0.000430	<0.00100	<0.000157
	MW-130	Oct-24		<0.000111	<0.000960 J3	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.00243 Q	<0.000430	<0.00100	<0.000157
	MW-131	Apr-17		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	0.0532	0.0206	0.0735	**3.99**	<0.00100	0.0295	0.00255
	MW-131	Oct-17		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	<0.0960	0.0162	<0.180	**5.25**	<0.00100	**0.0303**	0.00185
	MW-131	Oct-19		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	0.0255	0.00961	**0.681**	**4.95**	<0.00100	**0.0314**	0.00269
	MW-131	Jun-20		<0.00555	**<0.0480**	<0.00630	**<0.00555**	<0.00700	0.0171 J	0.00743 J	**0.544**	**2.91**	**<0.0215**	**<0.0500**	<0.00785
	MW-133	Nov-14		<0.0320	**<0.0280**	<0.0260	**<0.0420**	<0.0330	0.300	0.0570 J	0.180 J	**5.60**	**<0.100**	**<0.100**	<0.0360
	MW-133	Apr-15		<0.0320	**<0.0280**	<0.0260	**<0.0420**	<0.0330	0.199	<0.0330	0.108	**6.67**	**<0.100**	**<0.100**	<0.0360
	MW-134	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-134	Apr-22	FD	<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-134	Oct-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140 J4	0.000544 J	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-134	Oct-22	FD	<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	0.000280 J	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-134	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-134	Mar-23	FD	<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-134	Oct-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-134	Oct-23	FD	<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-134	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-134	Apr-24	FD	<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-134	Oct-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-134	Oct-24	FD	<0.000111	<0.000960 J3	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-135	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-135	Oct-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140 J4	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-135	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-135	Oct-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430 J4	<0.00100 J4	<0.000157
	MW-135	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-135	Oct-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-145	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000832 J	<0.000430	<0.00100	<0.000157
	MW-145	Oct-22		<0.000111	<0.000960 J3	<0.000126	<0.000111 J4	<0.000140	<0.000137	<0.000105	<0.000430	0.00101	<0.000430	<0.00100	<0.000157
	MW-145	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000756 J	<0.000430	<0.00100 J3J4	<0.000157
	MW-145	Oct-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000971 J	<0.000430 J4	<0.00100 J4	<0.000157
	MW-145	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000735 J	<0.000430	<0.00100	<0.000157
	MW-145	Oct-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000813 J	<0.000430	<0.00100	<0.000157
	MW-146	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-146	Apr-22	FD	<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-146	Oct-22		<0.000111	<0.000960 J3	<0.000126	<0.000111 J4	<0.000140	<0.000137	<0.000105	<0.000430	0.000213 J	<0.000430	<0.00100	<0.000157
	MW-146	Oct-22	FD	<0.000111	<0.000960 J3	<0.000126	<0.000111 J4	<0.000140	<0.000137	<0.000105	<0.000430	0.000211 J	<0.000430	<0.00100	<0.000157
	MW-146	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100 J3J4	<0.000157
	MW-146	Mar-23	FD	<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-146	Oct-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000108 J	<0.000430 J4	<0.00100 J4	<0.000157
	MW-146	Oct-23	FD	<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430 J4	<0.00100 J4	<0.000157
	MW-146	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-146	Apr-24	FD	<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-146	Oct-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-146	Oct-24	FD	<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-147	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-147	Oct-22		<0.000111	<0.000960 J3	<0.000126	<0.000111 J4	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-147	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-147	Oct-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430 J4	<0.00100 J4	<0.000157
	MW-147	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-147	Oct-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-148	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-148	Oct-22		<0.000111	<0.000960 J3	<0.000126	<0.000111 J4	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-148	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-148	Oct-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000171 J	<0.000430 J4	<0.00100 J4	<0.000157
	MW-148	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-148	Oct-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-151	Oct-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	**0.505**	<0.000430	<0.00100	<0.000157
	MW-160	Oct-24		<0.000111	<0.000960 J3	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	**0.659 Q**	<0.000430	<0.00100	<0.000157
	MW-161	Oct-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.0388	<0.000430	<0.00100	<0.000157
	RA-4196	Oct-19		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	<0.000384	<0.000326	<0.000719	0.00709	<0.00100	<0.00100	<0.000361
	RA-4196	Jun-20		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.00948	<0.000430	<0.00100	<0.000157
	RA-4196	Oct-20		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.00798	<0.000430	<0.00100	<0.000157
	RA-4196	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	RA-4196R	Oct-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	RA-4196R	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	RA-4196R	Oct-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	RA-4798	Oct-20		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.00654	<0.000430	<0.00100	<0.000157
	RA-4798	Apr-21		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.0136	<0.000430	<0.00100	<0.000157
	RA-4798	Sep-21		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.0166	<0.000430	<0.00100	<0.000157
	RA-4798	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000397 J	<0.000430	<0.00100	<0.000157
	RW-12R	Apr-17		<0.00162	<0.00138	<0.00130	<0.00209	<0.00164	0.00823	0.0591	0.0239	0.00210 J	<0.00500	0.00877 J	<0.00180
	RW-12R	Apr-18		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	0.00269	0.0459	0.00648	0.00315	<0.00100	0.00130 J	0.00125
	RW-12R	Apr-19		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	0.00142	0.0316	0.00595	0.00341	<0.00100	<0.00100	0.000615 J
	RW-12R	Jun-20		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	0.00223	0.0303	0.00553	0.00225	<0.000430	<0.00100	<0.000157
	RW-13R	Apr-18		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	0.00855	0.0177	0.0283	0.0559	<0.00100	0.00114 J	0.00193
	RW-13R	Mar-23		<0.00555	**<0.0480**	<0.00630	**<0.00555**	<0.00700	**0.819**	0.0719	**1.23**	**0.607**	**<0.0215**	**0.0890 J**	0.0134 J
	RW-18A	Apr-18		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	<0.000384	<0.000326	<0.000719	<0.000367	<0.00100	<0.00100	<0.000361
	RW-18A	Apr-19		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	<0.000384	<0.000326	<0.000719	<0.000367	<0.00100	<0.00100 J4	<0.000361
	RW-18A	Jun-20		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	RW-18A	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100 J3J4	<0.000157
	RW-20	Apr-15		<0.00320	<0.00280	<0.00260	<0.00420	<0.00330	**0.973**	0.0456	**1.30**	**0.209**	**<0.0100**	**0.183**	0.00846 J
	RW-22	Apr-15		<0.00320	<0.00280	<0.00260	<0.00420	<0.00330	**1.09**	0.0525	**0.850**	**0.178**	**<0.0100**	**0.164**	0.00856 J

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Appendix B, Table B.4 - Summary of Groundwater Analytical Data - Volatile Organic Compounds

2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Volatile Organic Compounds											
				Analyte	Chloroform	Chloromethane	cis-1,2-Dichloro-ethene	cis-1,3-Dichloro-propene	Dibromo-chloromethane	Ethyl-benzene	Isopropyl-benzene (Cumene)	m,p-Xylene	Methyl tert-butyl ether (MTBE)	Methylene chloride	Naphthalene	n-Butyl-benzene
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	0.0800	0.0203	0.0700	0.00471	0.0800	0.700	0.447	0.193	0.100	0.00500	0.0300	1.00
				CGWSL Source:	USEPA MCL	NMED TW	WQCC HH	USEPA TW	USEPA MCL	WQCC HH	WQCC TW	NMED TW	WQCC Dom	WQCC HH	WQCC HH	USEPA TW
Area	Well ID	Date	Dup													
NCL	MW-18	Apr-21		<0.000111	<0.000960 J4	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000338 J	<0.000430	<0.00100	<0.000157
	MW-18	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000299 J	<0.000430	<0.00100	<0.000157
	MW-18	Mar-23		<0.000111	<0.000960 J3	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000201 J	<0.000430 J4	<0.00100 J3J4	<0.000157
	MW-18	Apr-24		<0.000111	<0.000960 J3	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000214 J	<0.000430	<0.00100	<0.000157
	MW-45	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.00829	<0.000430	<0.00100	<0.000157
	MW-45	Oct-22		<0.000111	<0.000960	<0.000126	<0.000111 J4	<0.000140	<0.000137	0.000121 J	<0.000430	0.00549	<0.000430	<0.00100	0.000667 J
	MW-45	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.00674	<0.000430	<0.00100	<0.000157
	MW-45	Oct-23		<0.000111	<0.000960	<0.000126	<0.000111 J4	<0.000140	<0.000137	<0.000105	<0.000430	0.00379	<0.000430	<0.00100	<0.000157
	MW-45	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.00515	<0.000430	<0.00100 J4	0.000455 J
	MW-45	Oct-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.00388	<0.000430 J4	<0.00100	<0.000157
	MW-53	Apr-15		<0.000320	<0.000280	<0.000260	<0.000420	<0.000330	<0.000380	<0.000330	<0.000720	<0.000370	<0.00100	<0.00100	<0.000360
	MW-53	Apr-17		<0.000324	<0.000276	0.000391 J	<0.000418	<0.000327	<0.000384	<0.000326	<0.000719	<0.000367	<0.00100	<0.00100	<0.000361
	MW-53	Apr-18		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	<0.000384	<0.000326	<0.000719	<0.000367	<0.00100	<0.00100	<0.000361
	MW-53	Apr-19		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	<0.000384	<0.000326	<0.000719	<0.000367	<0.00100	<0.00100	<0.000361
	MW-53R	Apr-21		<0.000111	<0.000960 J4	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-53R	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-53R	Mar-23		<0.000111	<0.000960 J3	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101 J3	<0.000430 J4	<0.00100 J3J4	<0.000157
	MW-53R	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-54A	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-54A	Oct-22		<0.000111	<0.000960	<0.000126	<0.000111 J4	<0.000140	<0.000137	<0.000105	<0.000430	0.000141 J	<0.000430	<0.00100	<0.000157
	MW-54A	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-54A	Oct-23		<0.000111	<0.000960	<0.000126	<0.000111 J4	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-54A	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000154 J	<0.000430	<0.00100	<0.000157
	MW-54A	Oct-24		<0.000111	<0.000960 Q	<0.000126	<0.000111	<0.000140	<0.000137		<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-54B	Apr-17		<0.000324	<0.000276	0.000616 J	<0.000418	<0.000327	<0.000384	<0.000326	<0.000719	<0.000367	<0.00100	<0.00100	<0.000361
	MW-54B	Apr-19		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	<0.000384	<0.000326	<0.000719	<0.000367	<0.00100	<0.00100	<0.000361
	MW-54B	Apr-21		<0.000111	<0.000960 J4	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-54B	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-55	Apr-22		<0.00111	<0.00960	<0.00126	<0.00111	<0.00140	<0.00137	<0.00105	<0.00430	**0.438**	<0.00430	<0.0100	<0.00157
	MW-55	Oct-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.0772	<0.000430	<0.00100	<0.000157
	MW-55	Mar-23		<0.000111	<0.000960 J3	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	**0.357**	<0.000430 J4	<0.00100 J3J4	<0.000157
	MW-55	Oct-23		<0.00111	<0.00960	<0.00126	<0.00111 J4	<0.00140	<0.00137	<0.00105	<0.00430	**0.192**	<0.00430	<0.0100	<0.00157
	MW-55	Apr-24		<0.00111	<0.00960	<0.00126	<0.00111	<0.00140	<0.00137	<0.00105	<0.00430	**0.121**	<0.00430	<0.0100 J4	<0.00157
	MW-55	Oct-24		<0.00111	<0.00960	<0.00126	<0.00111	<0.00140	<0.00137	<0.00105	<0.00430	**0.103**	<0.00430	<0.0100 J4	<0.00157
	MW-56	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000112 J	<0.000430	<0.00100	<0.000157
	MW-56	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-56	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100 J4	<0.000157
	MW-56	Oct-24													
	MW-108	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	0.000543 J	0.0259	0.00386	<0.000101	<0.000430	<0.00100 J4	0.00161
	MW-108	Oct-22		0.00115 J	<0.000960	<0.000126	<0.000111 J4	<0.000140	0.000558 J	0.0259	0.00266	<0.000101	<0.000430	<0.00100	0.00206
	MW-108	Mar-23		<0.000111	<0.000960 J3	<0.000126	<0.000111	<0.000140	0.000750 J	0.0322	0.00585	<0.000101 J3	<0.000430 J4	0.00243 JJ3J4	0.00190
	MW-108	Oct-23		<0.000111	<0.000960	<0.000126	<0.000111 J4	<0.000140	0.000247 J	0.0160	0.00133 J	<0.000101	<0.000430	<0.00100	<0.000157
	MW-108	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	0.000189 J	0.0179	0.000808 J	<0.000101	<0.000430	<0.00100 J4	0.000690 J
	MW-108	Oct-24		<0.000111	<0.000960 Q	<0.000126	<0.000111	<0.000140	<0.000137		<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	NCL-31	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	NCL-31	Oct-22		<0.000111	<0.000960	<0.000126	<0.000111 J4	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	NCL-31	Mar-23		<0.000111	<0.000960 J3	<0.000126	<0.000111	<0.000140	<0.000137	0.000391 J	<0.000430	<0.000101 J3	<0.000430 J4	0.00104 JJ3J4	<0.000157
	NCL-31	Oct-23		<0.000111	<0.000960	<0.000126	<0.000111 J4	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	NCL-31	Apr-24		<0.000111	<0.000960 J3	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	NCL-31	Oct-24		<0.000111	<0.000960 Q	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	NCL-32	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	NCL-32	Oct-22		<0.000111	<0.000960	<0.000126	<0.000111 J4	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	NCL-32	Mar-23		<0.000111	<0.000960 J3	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101 J3	<0.000430 J4	<0.00100 J3J4	<0.000157
	NCL-32	Oct-23		<0.000111	<0.000960	<0.000126	<0.000111 J4	<0.000140	<0.000137	<0.000105	0.000570 J	<0.000101	<0.000430	0.00197 J	<0.000157
	NCL-32	Apr-24		<0.000111	<0.000960 J3	<0.000126	<0.000111	<0.000140	0.000278 J	<0.000105	0.000691 J	<0.000101	<0.000430	0.00143 J	<0.000157
	NCL-32	Oct-24		<0.000111	<0.000960 J3	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	0.000516 J	<0.000101	<0.000430	0.00179 J	<0.000157
	NCL-33	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000495 J	<0.000430	<0.00100	<0.000157
	NCL-33	Oct-22		<0.000111	<0.000960	<0.000126	<0.000111 J4	<0.000140	<0.000137	<0.000105	<0.000430	0.000516 J	<0.000430	<0.00100	<0.000157
	NCL-33	Mar-23		<0.000111	<0.000960 J3	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000310 J	<0.000430 J4	<0.00100	<0.000157
	NCL-33	Oct-23		<0.000111	<0.000960	<0.000126	<0.000111 J4	<0.000140	<0.000137	<0.000105	<0.000430	0.000320 J	<0.000430	<0.00100	<0.000157
	NCL-33	Apr-24		<0.000111	<0.000960 J3	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000422 J	<0.000430	<0.00100	<0.000157
	NCL-33	Oct-24		<0.000111	<0.000960 Q	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105 Q	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	NCL-34A	Oct-18		<0.00324	<0.00276	<0.00260	<0.00418	<0.00327	0.00672 J	0.0828	0.0266	<0.00367	**<0.0100**	<0.0100	0.00458 J
	NCL-34A	Apr-19		<0.00648	<0.00552	<0.00520	**<0.00836**	<0.00654	<0.00768	0.0808	<0.0144	<0.00734	**<0.0200**	<0.0200 J3J4	<0.00722
	NCL-34A	Oct-19		<0.00162	<0.00138	<0.00130	<0.00209	<0.00164	0.00677	0.0824	0.0175	<0.00184	<0.00500	<0.00500	0.00587
	NCL-34A	Jun-20		<0.00222	<0.0192	<0.00252	<0.00222	<0.00280	0.00476 J	0.0844	0.0335 J	<0.00202	**<0.00860**	<0.0200 J4	0.00420 J
	NCL-44	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	0.000827 J	<0.000430	0.000327 J	<0.000430	<0.00100	<0.000157
	NCL-44	Oct-22		<0.000111	<0.000960	<0.000126	<0.000111 J4	<0.000140	<0.000137	0.00122	<0.000430	0.000401 J	<0.000430	<0.00100	0.000847 J
	NCL-44	Mar-23		<0.000111	<0.000960 J3	<0.000126	<0.000111	<0.000140	<0.000137	0.000636 J	<0.000430	0.000182 J	<0.000430 J4	<0.00100	<0.000157
	NCL-44	Oct-23		<0.000111	<0.000960	<0.000126	<0.000111 J4	<0.000140	<0.000137	0.000668 J	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	NCL-44	Apr-24		<0.000111	<0.000960 J3	<0.000126	<0.000111	<0.000140	<0.000137	0.000872 J	<0.000430	0.000101 J	<0.000430	<0.00100	<0.000157
	NCL-44	Oct-24		<0.000111	<0.000960 J3	<0.000126	<0.000111	<0.000140	<0.000137	0.000703 J	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	NCL-49	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	NCL-49	Apr-22	FD	<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	NCL-49	Oct-22		<0.000111	<0.000960	<0.000126	<0.000111 J4	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	NCL-49	Oct-22	FD	<0.000111	<0.000960	<0.000126	<0.000111 J4	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	NCL-49	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	NCL-49	Mar-23	FD	<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	NCL-49	Oct-23		<0.000111	<0.000960	<0.000126	<0.000111 J4	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	NCL-49	Oct-23	FD	<0.000111	<0.000960	<0.000126	<0.000111 J4	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	NCL-49	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	NCL-49	Apr-24	FD	<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	NCL-49	Oct-24		<0.000111	<0.000960 Q	<0.000126	<0.000111	<0.000140	<0.000137		<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	NCL-49	Oct-24	FD	<0.000111	<0.000960 Q	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
North Refinery	MW-23	Apr-19		<0.0324	**<0.0276**	<0.0260	**<0.0418**	<0.0327	0.0397 J	0.0949 J	<0.0719	<0.0367	**<0.100**	**<0.100**	<0.0361
	MW-23	Oct-19		<0.00324	<0.00276	<0.00260	<0.00418	<0.00327	0.0105	0.0779	<0.00719	0.0336	**<0.0100**	**0.0359 J**	0.00955 J
	MW-23	Jun-20		<0.00111	<0.00960	<0.00126	<0.00111	<0.00140	0.00865 J	0.101	<0.00430	0.0407	<0.00430	**0.0380 J**	0.00903 JJ4
	MW-23	Oct-20		<0.00111	<0.00960	<0.00126	<0.00111	<0.00140	0.0264	0.125	<0.00430	0.0751	<0.00430	**0.0750**	0.00844 J
	MW-29	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	0.000234 J	<0.000430	0.00436	<0.000430	<0.00100	<0.000157
	MW-29	Oct-22		<0.000111	<0.000960	<0.000126	<0.000111 J4	<0.000140	<0.000137	<0.000105	<0.000430	0.0587	<0.000430	<0.00100	<0.000157
	MW-29	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.0684	<0.000430	<0.00100	<0.000157
	MW-29	Oct-23		<0.000111	<0.000960	<0.000126	<0.000111 J4	<0.000140	<0.000137	<0.000105	<0.000430	**0.137**	<0.000430	<0.00100	<0.000157
	MW-29	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.0867	<0.000430	<0.00100 J4	<0.000157
	MW-39	Apr-19		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	0.00689	0.0181	0.0354	0.000625 J	<0.00100	<0.00100	0.000981 J
	MW-39	Oct-19		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327 J4	0.00609	0.0225	0.0263	0.00113	<0.00100	<0.00100	<0.000361
	MW-39	Jun-20		<0.000111	<0.000960	<0.000126	<0.000111 J4	<0.000140	0.00317	0.0234	0.0232	0.00120	<0.000430	0.00109 J	<0.000157
	MW-39	Oct-20		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	0.00165	0.0123	0.0115	0.00138	<0.000430	0.00123 J	<0.000157
	MW-40	Apr-17		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	0.000721 J	0.0804	0.0117	<0.000367	<0.00100	<0.00100	<0.000361
	MW-40	Apr-18		0.00196 J	<0.000276	<0.000260	<0.000418	<0.000327	0.000567 J	0.0930	0.00619	<0.000367	<0.00100	<0.00100	0.000605 J
	MW-40	Apr-19		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	<0.000384	0.0799	0.00157 J	<0.000367	<0.00100	<0.00100	<0.000361
	MW-40	Jun-20		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	0.000220 J	0.0484	0.00241	<0.000101	<0.000430	<0.00100	0.000245 J
	MW-41	Apr-18		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	<0.000384	0.00791	<0.000719	0.00796	<0.00100	<0.00100	<0.000361
	MW-41	Apr-19		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	<0.000384	0.0216	<0.000719	0.0178	<0.00100	<0.00100	<0.000361
	MW-41	Jun-20		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	0.00729	<0.000430	0.0254	<0.000430	<0.00100	<0.000157
	MW-41	Apr-21		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	0.00608	<0.000430	0.0267	<0.000430	<0.00100	<0.000157

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Appendix B, Table B.4 - Summary of Groundwater Analytical Data - Volatile Organic Compounds

2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Volatile Organic Compounds											
				Analyte	Chloroform	Chloromethane	cis-1,2-Dichloro-ethene	cis-1,3-Dichloro-propene	Dibromo-chloromethane	Ethyl-benzene	Isopropyl-benzene (Cumene)	m,p-Xylene	Methyl tert-butyl ether (MTBE)	Methylene chloride	Naphthalene	n-Butyl-benzene
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	0.0800	0.0203	0.0700	0.00471	0.0800	0.700	0.447	0.193	0.100	0.00500	0.0300	1.00
				CGWSL Source:	USEPA MCL	NMED TW	WQCC HH	USEPA TW	USEPA MCL	WQCC HH	WQCC TW	NMED TW	WQCC Dom	WQCC HH	WQCC HH	USEPA TW
Area	**Well ID**	**Date**	**Dup**													
North Refinery	MW-42	Apr-19		<0.00162	<0.00138	<0.00130	<0.00209	<0.00164	<0.00192	0.0331	0.0226	0.00655	<0.00500	<0.00500	<0.00180	
	MW-42	Jun-20		<0.000555	<0.00480	<0.000630	<0.000555	<0.000700	0.00108 J	0.0301	0.0535	0.0103	<0.00215	<0.00500	<0.000785 J4	
	MW-42	Apr-21		<0.000555	<0.00480	<0.000630	<0.000555	<0.000700	<0.000685	0.0186	0.00852 J	0.0180	<0.00215	<0.00500	<0.000785	
	MW-42	Apr-22		<0.000555	<0.00480	<0.000630	<0.000555	<0.000700	0.00241 J	0.0206	0.0187	0.0413	<0.00215	<0.00500	<0.000785	
	MW-43	Apr-19		<0.0648	**<0.0552**	<0.0520	**<0.0836**	<0.0654	<0.0768	<0.0652	**0.744**	<0.0734	**<0.200**	**0.307 J**	<0.0722	
	MW-43	Oct-19		<0.0648	**<0.0552**	<0.0520	**<0.0836**	<0.0654	0.129 J	<0.0652	**0.610**	<0.0734	**<0.200**	**0.229 J**	<0.0722	
	MW-43	Jun-20		0.00489 J	<0.0192	<0.00252	<0.00222	<0.00280	0.0311	0.0437	**0.703**	0.0347	**<0.00860**	**0.132**	0.00373 J	
	MW-43	Oct-20		<0.00555	**<0.0480**	<0.00630	**<0.00555**	<0.00700	0.136	0.0453 J	**0.852**	0.0481 J	**<0.0215**	**0.105 J**	<0.00785	
	MW-59	Apr-17		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	<0.000384	0.0175	<0.000719	<0.000367	<0.00100	<0.00100	<0.000361	
	MW-59	Apr-18		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	<0.000384	0.0236	<0.000719	<0.000367	<0.00100	<0.00100	<0.000361	
	MW-59	Apr-19		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	<0.000384	0.0207	<0.000719	<0.000367	<0.00100	<0.00100	<0.000361	
	MW-59	Jun-20		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	0.0103	<0.000430	0.00350	<0.000430	0.00202 J	<0.000157 J4	
	MW-60	Jun-20		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	0.000281 J	0.0145	0.00157 J	<0.000101	<0.000430	<0.00100	<0.000157 J4	
	MW-60	Jun-20	FD	<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	0.000296 J	0.0126	0.00194 J	<0.000101	<0.000430	<0.00100	<0.000157 J4	
	MW-60	Oct-20		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	0.000461 J	0.0231	0.00238	0.000168 J	<0.000430	<0.00100	<0.000157	
	MW-60	Oct-20	FD	<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	0.000472 J	0.0231	0.00224	0.000180 J	<0.000430	<0.00100 J4	<0.000157	
	MW-61	Apr-22		<0.00555	**<0.0480**	<0.00630	**<0.00555**	<0.00700	0.0833	0.0861	**0.691**	0.0105 J	**<0.0215**	**0.148 J**	<0.00785	
	MW-61	Oct-22		0.0339 J	**0.0567 J**	<0.00630	**<0.00555** J4	<0.00700	0.0783	0.126	**0.918**	0.00701 J	**<0.0215**	**0.267**	0.0279 J	
	MW-61	Mar-23		<0.00555	**<0.0480**	<0.00630	**<0.00555**	<0.00700	0.0510	0.0760	**0.574**	<0.00505	**<0.0215**	**0.149 J**	<0.00785	
	MW-61	Oct-23		<0.00111	<0.00960	<0.00126	<0.00111	<0.00140	0.0625	0.106	**0.811**	<0.00101	<0.00430	**0.138 J4**	<0.00157	
	MW-61	Apr-24		<0.00222	<0.0192 J3	<0.00252	<0.00222	<0.00280	0.0618	0.111	**0.892**	<0.00202	**<0.00860**	**0.169**	0.00671 J	
	MW-61	Oct-24		<0.00111	<0.00960	<0.00126	<0.00111	<0.00140	0.0381	0.0736	**0.604**	<0.00101	0.00431 J	**0.207**	0.00451 J	
	MW-62	Oct-20		<0.00222	<0.0192	<0.00252	<0.00222	<0.00280	0.151	0.0974	**0.757**	0.0836	**<0.00860**	**0.116**	0.00412 J	
	MW-62	Sep-21		<0.00555	**<0.0480**	<0.00630	**<0.00555**	<0.00700	**0.773**	0.152	**2.34**	**0.120**	**<0.0215**	**0.344**	0.0173 J	
	MW-62	Apr-22		<0.00555	**<0.0480**	<0.00630	**<0.00555**	<0.00700	0.307	0.138	**1.77**	0.0590	**<0.0215**	**0.227 J**	0.0384 J	
	MW-62	Oct-22		0.00653 J	**<0.0480**	<0.00630	**<0.00555** J4	<0.00700	0.161	0.111	**0.968**	**0.102**	**<0.0215**	**0.113 J**	0.0286 J	
	MW-62R	Apr-21		<0.00555	**<0.0480**	<0.00630	**<0.00555**	<0.00700	0.0287 J	0.136	<0.0215	0.00545 J	**<0.0215**	**<0.0500**	<0.00785	
	MW-62R	Apr-22		<0.00111	<0.00960	<0.00126	<0.00111	<0.00140	0.0108	0.108	0.0187 J	0.0136	<0.00430	0.0104 J	0.00922 J	
	MW-62R	Mar-23		<0.0111	**<0.0960**	<0.0126	**<0.0111**	<0.0140	<0.0137	0.121	<0.0430	0.0517 J	**<0.0430**	**<0.100**	<0.0157	
	MW-62R	Apr-24		<0.000111	<0.000960 J3	<0.000126	<0.000111	<0.000140	0.00690	0.167	0.0263	0.0841	<0.000430	0.00689	0.00516	
	MW-67	Oct-17		<0.000324	<0.000276	0.00275	<0.000418	<0.000327	0.00330	0.0300	0.00245	**0.201**	<0.00100	<0.00100	0.00196	
	MW-67	Apr-18		<0.00162	<0.00138	<0.00130	<0.00209	<0.00164	0.00500	0.0470	0.00916 J	**0.219**	<0.00500	<0.00500	0.00588	
	MW-67	Oct-18		<0.000324	<0.000276	0.00122	<0.000418	<0.000327	0.000620 J	0.0231	0.00113 J	**0.289**	<0.00100	<0.00100	0.00129	
	MW-67	Apr-19		<0.00162	<0.00138	<0.00130	<0.00209	<0.00164	0.00237 J	0.0348	<0.00360	**0.140**	<0.00500	<0.00500	0.00299 J	
	MW-90	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	0.000282 J	0.0370	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157	
	MW-90	Oct-22		0.00139 J	<0.000960	<0.000126	<0.000111	<0.000140	0.000277 J	0.0471	<0.000430	<0.000101	<0.000430	<0.00100	0.000384 J	
	MW-90	Mar-23		0.00113 J	<0.00960	<0.00126	<0.00111	<0.00140	<0.00137	0.0346	<0.00430	<0.00101	<0.00430	<0.0100	<0.00157	
	MW-90	Oct-23		<0.000111	<0.000960	<0.000126	<0.000111 J4	<0.000140	0.000147 J	0.0389	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157	
	MW-90	Apr-24		<0.000111	<0.000960 J3	<0.000126	<0.000111	<0.000140	0.000443 J	0.0589	<0.000430	<0.000101	<0.000430	0.00213 J	0.000715 J	
	MW-90	Oct-24		<0.000111	<0.000960 Q	<0.000126	<0.000111	<0.000140	<0.000137	0.0425 Q	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157	
	MW-91	Oct-18		<0.0324	**<0.0276**	<0.0260	**<0.0418**	<0.0327	0.210	0.0813 J	**0.552**	<0.0367	**<0.100**	**<0.100**	<0.0361	
	MW-91	Apr-19		<0.0324	**<0.0276**	**0.0926 J**	**<0.0418**	<0.0327	0.481	0.0850 J	**0.612**	<0.0367	**<0.100**	**<0.100**	<0.0361	
	MW-91	Oct-19		<0.0324	**<0.0276**	<0.0260	**<0.0418**	<0.0327 J4	**1.48**	0.115	**1.57**	<0.0367	**<0.100**	**<0.100**	<0.0361	
	MW-91	Jun-20		<0.0111	**<0.0960**	<0.0126	**<0.0111**	<0.0140	**1.85**	0.105	**1.85**	<0.0101	**<0.0430**	**<0.100**	<0.0157	
	MW-93	Apr-17		<0.00810	<0.00690	<0.00650	**<0.0104**	<0.00818	<0.00960	0.0355	**0.326**	<0.00918	**<0.0250**	**0.0422 J**	<0.00902	
	MW-93	Apr-18		<0.000324	<0.000276	0.000281 J	<0.000418	<0.000327	0.00738	0.0359	**0.332**	<0.000367	<0.00100	0.0256	0.00367	
	MW-93	Apr-19		<0.000324	<0.000276	0.000267 J	<0.000418	<0.000327	0.00962	0.0340	**0.299**	<0.000367	<0.00100	**0.0482**	0.00447	
	MW-93	Jun-20		<0.00222	<0.0192	<0.00252	<0.00222	<0.00280	0.00622 J	0.0262	**0.296**	<0.00202	**<0.00860**	**0.0519 J**	<0.00314 J4	
	MW-94	Nov-14		<0.00650	<0.00550	<0.00520	**<0.00840**	<0.00650	0.580	0.0840	**0.310**	**1.30**	**<0.0200**	**0.220**	0.0400	
	MW-94	Oct-15		<0.00324	<0.00276	<0.00260	<0.00418	<0.00327	0.509	0.0646	**0.214**	**0.798**	**<0.0100**	**0.202**	0.0219	
	MW-94	Apr-17		<0.00810	<0.00690	<0.00650	**<0.0104**	<0.00818	0.432	0.0621	0.168	**0.958**	**<0.0250**	**0.174**	0.0553	
	MW-95	Apr-17		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	<0.000384	0.0114	<0.000719	<0.000367	<0.00100	<0.00100	<0.000361	
	MW-95	Apr-18		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	<0.000384	0.0122	<0.000719	<0.000367	<0.00100	<0.00100	<0.000361	
	MW-95	Apr-19		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	<0.000384	0.00797	<0.000719	<0.000367	<0.00100	<0.00100	<0.000361	
	MW-95	Jun-20		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	0.000196 J	0.00904	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157	
	MW-96	Apr-22		<0.00111	<0.00960	<0.00126	<0.00111	<0.00140	0.00147 J	0.0624	<0.00430	**28.0**	<0.00430	<0.0100	0.00785 J	
	MW-96	Oct-22		<0.00222	<0.0192	<0.00252	<0.00222	<0.00280	<0.00274	0.0839	<0.00860	**32.3**	**<0.00860**	<0.0200	0.0104 J	
	MW-96	Mar-23		**<0.111**	**<0.960** J3	**<0.126**	**<0.111**	**<0.140**	0.155 J	<0.105	**<0.430**	**25.7 J3**	**<0.430** J4	**<1.00** J3J4	<0.157	
	MW-96	Oct-23		<0.00111	<0.00960	<0.00126	<0.00111 J4	<0.00140	<0.00137	0.0560	<0.00430	**36.3**	<0.00430	<0.0100	<0.00157	
	MW-96	Apr-24		<0.000111	<0.000960 J3	<0.000126	<0.000111	<0.000140	0.000925 J	0.0708	0.000744 J	**22.8**	<0.000430	<0.00100	0.00389	
	MW-96	Oct-24		**<0.111**	**<0.960**	**<0.126**	**<0.111**	**<0.140**	<0.137	<0.105	**<0.430**	**24.0**	**<0.430**	**<1.00** J4	<0.157	
	MW-98	Apr-22		<0.00555	**<0.0480**	<0.00630	**<0.00555**	<0.00700	0.660	0.0897	**1.66**	<0.00505	**<0.0215**	**0.238 J**	0.0253 J	
	MW-98	Oct-22		0.0285 J	**<0.0480**	<0.00630	**<0.00555** J4	<0.00700	0.510	0.0859	**1.42**	<0.00505	**<0.0215**	**0.271**	0.0240 J	
	MW-98	Mar-23		<0.0222	**<0.192**	<0.0252	**<0.0222**	<0.0280	0.477	0.0861 J	**1.41**	<0.0202	**<0.0860**	**<0.200**	<0.0314	
	MW-98	Oct-23		<0.00111	<0.00960	<0.00126	<0.00111	<0.00140	0.447	0.109	**1.35**	<0.00101	<0.00430	**0.306**	<0.00157	
	MW-98	Apr-24		<0.00555	**<0.0480**	<0.00630	**<0.00555**	<0.00700	0.260	0.0827	**0.989**	<0.00505	**<0.0215**	**0.172 JJ4**	<0.00785	
	MW-98	Oct-24		<0.00555	**<0.0480**	<0.00630	**<0.00555**	<0.00700	0.329	0.0854	**0.874**	<0.00505	**<0.0215**	**0.281**	<0.00785	
	MW-137	Oct-17		<0.0648	**<0.0552**	<0.0520	**<0.0836**	<0.0654	**1.53**	0.113 J	**0.891**	0.0754 J	**<0.200**	**0.317 J**	<0.0722	
	MW-137	Apr-18		<0.0648	**<0.0552**	<0.0520	**<0.0836**	<0.0654	**1.86**	0.117 J	**0.905**	0.0758 J	**<0.200**	**0.373 J**	<0.0722	
	MW-137	Oct-18		<0.0648	**<0.0552**	<0.0520	**<0.0836**	<0.0654	**1.09**	0.0812 J	**0.523**	0.0876 J	**<0.200**	**0.237 J**	<0.0722	
	MW-137	Apr-19		<0.0648	**<0.0552**	<0.0520	**<0.0836**	<0.0654	**1.21**	0.0714 J	**0.547**	<0.0734	**<0.200**	**<0.200**	<0.0722	
	MW-138	Oct-17		<0.00162	<0.00138	<0.00130	<0.00209	<0.00164	0.0244	0.0579	0.00565 J	**0.163**	<0.00500	**0.0635**	0.00606	
	MW-138	Apr-18		<0.00162	<0.00138	<0.00130	<0.00209	<0.00164	0.222	0.0572	0.0438	**0.188**	<0.00500	**0.0667**	0.00518	
	MW-138	Oct-18		<0.00162	<0.00138	<0.00130	<0.00209	<0.00164	0.423	0.0543	0.109	**0.269**	**0.00504 J**	**0.0379**	<0.00180	
	MW-138	Apr-19		<0.00162	<0.00138	<0.00130	<0.00209	<0.00164	0.389	0.0611	0.0968	**0.171**	<0.00500	**0.0377**	0.00737	
	MW-157	Oct-24		<0.000111	<0.000960 J3	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	**11.4 Q**	<0.000430	<0.00100	<0.000157	
	RW-1	Apr-15		<0.0160	<0.0140	**1.02**	**<0.0210**	<0.0160	0.0470 J	<0.0160	0.0365 J	<0.0180	**<0.0500**	**<0.0500**	<0.0180	
	RW-1	Apr-17		<0.00324	<0.00276	**0.624**	<0.00418	<0.00327	0.0169	0.00424 J	0.00743 J	0.0441	**<0.0100**	<0.0100	0.00401 J	
	RW-1	Apr-18		<0.000324	<0.000276	**0.681**	<0.000418	<0.000327	0.0964	0.0316	0.0827	0.0292	<0.00100	0.0132	0.00339	
	RW-1	Apr-19		<0.000324	<0.000276	**0.980**	<0.000418	<0.000327	0.102	0.0222	0.0803	0.0218	<0.00100	0.00849	0.00257	
	RW-2	Apr-15		<0.00320	<0.00280	**0.619**	<0.00420	<0.00330 UJ	**1.02**	0.0551	**0.445**	<0.00370	**<0.0100** UJ	**0.157 J**	0.0106	
	RW-2	Apr-17		<0.0162	<0.0138	**0.828**	**<0.0209**	<0.0164	**0.837**	0.0533	**0.413**	<0.0184	**<0.0500**	**0.145 J**	<0.0180	
	RW-2	Apr-18		<0.000324	<0.000276	**0.543**	<0.000418	<0.000327	0.672	0.0769	**0.440**	0.0120	<0.00100	**0.190**	0.0139	
	RW-2	Mar-23		<0.00222	<0.0192	**0.634**	<0.00222	<0.00280	0.198	0.0286	0.0634	<0.00202	**<0.00860**	0.0234 J	0.0156 J	
	RW-7	Apr-17		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	<0.000384	<0.000326	<0.000719	0.0325	<0.00100	<0.00100	<0.000361	
	RW-7	Apr-18		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	0.00132	0.00650	0.00431	0.0378	<0.00100	0.00204 J	0.00102	
	RW-7	Apr-19		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	<0.000384	0.00312	0.000961 J	0.0229	<0.00100	<0.00100	<0.000361	
	RW-7	Jun-20		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	0.000204 J	0.00809	0.00209	0.00825	<0.000430	<0.00100	<0.000157 J4	
	RW-8	Apr-15		<0.00320	<0.00280	<0.00260	<0.00420	<0.00330	0.00801 J	0.0204	<0.00720	**2.41**	**0.0113 J**	<0.0100	<0.00360	
	RW-8	Apr-17		<0.000324	<0.000276	0.000478 J	<0.000418	<0.000327	0.0198	0.0193	0.0386	**1.94**	<0.00100	**0.0320**	0.00837	
	RW-9	Apr-21		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	0.000652 J	0.0758	0.00127 J	**0.219**	<0.000430	0.00212 J	<0.000157	
	RW-9	Apr-22		<0.00111	<0.00960	<0.00126	<0.00111	<0.00140	<0.00137	0.0902	<0.00430	**0.417**	<0.00430	<0.0100	<0.00157	
	RW-9	Mar-23		<0.00111	<0.00960	<0.00126	<0.00111	<0.00140	<0.00137	0.0328	<0.00430	**0.161**	<0.00430	<0.0100	<0.00157	
	RW-9	Apr-24		<0.00111	<0.00960	<0.00126	<0.00111	<0.00140	<0.00137	0.0737	<0.00430	**0.264**	<0.00430	<0.0100 J4	<0.00157	
	RW-10	Apr-18		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	0.000727 J	0.00307	0.00126 J	<0.000367	<0.00100	<0.00100	0.00108	
	RW-10	Apr-19		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	0.000633 J	0.00242	0.000967 J	<0.000367	<0.00100	<0.00100	<0.000361	
	RW-10	Jun-20		<0.000111	<0.000960	<0.000126	<0.000111 J4	<0.000140	0.000865 J	0.00269	0.00152 J	0.000418 J	<0.000430	<0.00100	<0.000157	
	RW-10	Apr-21		<0.000111	<0.000960	<0.000126	<0.000111 J4	<0.000140	0.00500	0.00387	0.00301	0.00268	<0.000430	0.00196 J	<0.000157	
	RW-16B	Apr-18		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	<0.000384	<0.000326	<0.000719	0.00172	<0.00100	<0.00100	<0.000361	
	RW-16B	Apr-19		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	<0.000384	<0.000326	<0.000719	0.00166	<0.00100	<0.00100	<0.000361	
	RW-16B	Jun-20		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	0.000328 J	<0.000105	0.000872 J	0.00482	<0.000430	<0.00100	<0.000157	
	RW-16B	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.0764	<0.000430	0.00129 J	<0.000157	
	RW-17A	Apr-18		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	<0.000384	<0.000326	<0.000719	**0.107**	<0.00100	<0.00100	<0.000361	
	RW-17A	Apr-19		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327 J4	<0.000384	<0.000326	<0.000719	0.0434	<0.00100	<0.00100	<0.000361	
	RW-17A	Jun-20		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157 J4	
	RW-17A	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.0157	<0.000430	<0.00100	<0.000157	

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Appendix B, Table B.4 - Summary of Groundwater Analytical Data - Volatile Organic Compounds

2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Volatile Organic Compounds											
				Analyte	Chloroform	Chloromethane	cis-1,2-Dichloro-ethene	cis-1,3-Dichloro-propene	Dibromo-chloromethane	Ethyl-benzene	Isopropyl-benzene (Cumene)	m,p-Xylene	Methyl tert-butyl ether (MTBE)	Methylene chloride	Naphthalene	n-Butyl-benzene
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	0.0800	0.0203	0.0700	0.00471	0.0800	0.700	0.447	0.193	0.100	0.00500	0.0300	1.00
				CGWSL Source:	USEPA MCL	NMED TW	WQCC HH	USEPA TW	USEPA MCL	WQCC HH	WQCC TW	NMED TW	WQCC Dom	WQCC HH	WQCC HH	USEPA TW
Area	**Well ID**	**Date**	**Dup**													
North RO Field	MW-117	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.0384	<0.000430	<0.00100 J4	<0.000157
	MW-117	Oct-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.0166	<0.000430	<0.00100	<0.000157
	MW-117	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.0166	<0.000430	<0.00100 J3J4	<0.000157
	MW-117	Oct-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.0246	<0.000430	<0.00100	<0.000157
	MW-117	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.0670	<0.000430	<0.00100	<0.000157
	MW-117	Oct-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.0471	<0.000430	<0.00100	<0.000157
	MW-118	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100 J4	<0.000157
	MW-118	Oct-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-118	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100 J3J4	<0.000157
	MW-118	Oct-23		<0.000111	<0.000960 J4	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-118	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-118	Oct-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-119	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-119	Oct-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-119	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100 J3J4	<0.000157
	MW-119	Oct-23		<0.000111	<0.000960 J4	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-119	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	0.000207 J	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-119	Oct-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-140	Mar-23													
	MW-140	Oct-23													
	MW-140	Apr-24													
	MW-140	Oct-24													
	MW-141	Mar-23													
	MW-141	Oct-23													
	MW-141	Apr-24													
	MW-141	Oct-24													
	MW-142	Mar-23													
	MW-142	Oct-23													
	MW-142	Apr-24													
	MW-142	Oct-24													
	MW-143	Mar-23													
	MW-143	Oct-23													
	MW-143	Apr-24													
	MW-143	Oct-24													
	MW-162	Oct-24													
South Refinery	KWB-2R	Oct-19		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327 J4	0.264	0.0724	0.109	0.0216	<0.00100	**0.0323**	0.00315
	KWB-2R	Mar-23		<0.000555	<0.00480	<0.000630	<0.000555	<0.000700	0.0173	0.0166	0.0118	0.0262	<0.00215	**0.0537**	0.00691
	KWB-2R	Oct-23		<0.000555	<0.00480 J4	<0.000630	<0.000555	<0.000700	0.00397 J	0.00182 J	0.00219 J	0.0142	<0.00215	<0.00500	<0.000785
	KWB-2R	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	0.000804 J	0.000932 J	0.000589 J	0.0222	<0.000430	0.00288 J	<0.000157
	KWB-5	Oct-17		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	<0.0960	0.00852	<0.180	**12.4**	<0.00100	0.0131	0.00118
	KWB-5	Apr-18		**<0.0810**	**<0.0690**	<0.0650	**<0.104**	**<0.0818**	<0.0960	<0.0815	<0.180	**10.3**	**<0.250**	**<0.250**	<0.0902
	KWB-5	Oct-18		**<0.0810**	**<0.0690**	<0.0650	**<0.104**	**<0.0818**	<0.0960	<0.0815	<0.180	**10.8**	**<0.250**	**<0.250**	<0.0902
	KWB-5	Apr-19		**<0.0810**	**<0.0690**	<0.0650	**<0.104**	**<0.0818**	<0.0960	<0.0815	<0.180	**9.94**	**<0.250**	**<0.250** J4	<0.0902
	KWB-6	Apr-17		<0.00162	<0.00138	<0.00130	<0.00209	<0.00164	0.346	0.0344	**0.373**	**0.154**	<0.00500	**0.0563**	0.00434 J
	KWB-6	Oct-17		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	0.183	0.0199	**0.275**	**0.102**	<0.00100	**0.0436**	<0.000361
	KWB-6	Apr-18		<0.00648	<0.00552	<0.00520	**<0.00836**	<0.00654	0.156	0.0252	**0.223**	**0.122**	**<0.0200**	**0.0587 J**	<0.00722
	KWB-6	Oct-18		<0.00648	<0.00552	<0.00520	**<0.00836**	<0.00654	0.102	0.0133 J	**0.356**	**0.120**	**<0.0200**	**0.0469 J**	<0.00722
	MW-28	Apr-19		<0.0162	<0.0138	<0.0130	**<0.0209**	<0.0164	0.0274 J	0.0436 J	0.140	**0.268**	**<0.0500**	**0.0736 J**	<0.0180
	MW-28	Oct-19		<0.0162	<0.0138	<0.0130	**<0.0209**	<0.0164	0.0375 J	0.0755	**0.264**	**0.692**	**<0.0500**	**0.137 J**	<0.0181
	MW-28	Jun-20		0.00390 J	<0.00480	<0.000630	<0.000555	<0.000700	0.0201	0.0246	0.0901	**0.194**	<0.00215	0.0157 J	0.00113 J
	MW-28	Oct-20		<0.000555	<0.00480	<0.000630	<0.000555	<0.000700	0.0136	0.0192	0.0609	**0.214**	<0.00215	0.00638 J	<0.000785
	MW-48	Apr-18		**<0.0810**	**<0.0690**	<0.0650	**<0.104**	**<0.0818**	**1.36**	<0.0815	**0.954**	**0.171 J**	**<0.250**	**<0.250**	<0.0902
	MW-48	Oct-18		**<0.0810**	**<0.0690**	<0.0650	**<0.104**	**<0.0818**	0.479	0.0962 J	**0.358 J**	**0.611**	**<0.250**	**<0.250**	<0.0902
	MW-48	Apr-19		**<0.0810**	**<0.0690**	<0.0650	**<0.104**	**<0.0818**	0.603	0.122 J	**0.498 J**	**0.372**	**<0.250**	**1.20 JJ4**	<0.0902
	MW-48	Oct-19		**<0.0810**	**<0.0690**	<0.0650	**<0.105**	**<0.0817**	0.118 J	<0.0815	**0.290 J**	**0.517**	**<0.250**	**<0.250**	<0.0903
	MW-50	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-50	Oct-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	0.00114 J	<0.000157
	MW-50	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	0.00104 J	<0.000157
	MW-50	Oct-23		<0.000111	<0.000960	<0.000126	<0.000111 J4	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	0.00150 J	<0.000157
	MW-50	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100 J4	<0.000157
	MW-50	Oct-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430 J4	<0.00100	<0.000157
	MW-52	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100 J4	<0.000157
	MW-52	Oct-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-52	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-52	Oct-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	0.00477	0.000253 J	0.00181 J	0.000216 J	<0.000430	<0.00100	<0.000157
	MW-52	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000374 J	<0.000430	<0.00100	<0.000157
	MW-52	Oct-24		<0.000111	<0.000960 J3	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000411 J	<0.000430	<0.00100	<0.000157
	MW-64	Apr-22		<0.00278	**<0.0240**	<0.00315	<0.00278	<0.00350	**1.65**	0.0451	**3.58**	**0.505**	**<0.0107**	**0.141**	<0.00393
	MW-64	Oct-22		<0.0278	**<0.240** J3	<0.0315	**<0.0278** J4	<0.0350	**1.60**	0.0463 J	**3.12**	**0.500**	**<0.108**	**<0.250**	<0.0393
	MW-64	Mar-23		<0.0555	**<0.480**	<0.0630	**<0.0555**	<0.0700	**1.90**	<0.0525	**3.87**	**0.430 J**	**<0.215**	**<0.500**	<0.0785
	MW-64	Oct-23		<0.0111	**<0.0960** J4	<0.0126	**<0.0111**	<0.0140	**2.32**	0.0668 J	**4.07**	**0.225**	**<0.0430**	**0.161 J**	<0.0157
	MW-64	Apr-24		<0.0555	**<0.480**	<0.0630	**<0.0555**	<0.0700	**2.34**	0.104 J	**4.67**	**0.309 J**	**<0.215**	**0.556 J**	<0.0785
	MW-64	Oct-24		<0.0555	**<0.480**	<0.0630	**<0.0555**	<0.0700	**1.84**	<0.0525	**3.44**	**0.389 J**	**<0.215**	**<0.500**	<0.0785
	MW-65	Oct-19		<0.0324	**<0.0276**	<0.0260	**<0.0418**	<0.0327 J4	0.0565 J	0.0608 J	<0.0719	**1.82**	**<0.100**	**0.148 J**	<0.0361
	MW-65	Mar-23		<0.000111	<0.000960 J3	<0.000126	<0.000111	<0.000140	0.0420	0.0593	0.00443	**0.842**	<0.000430 J4	**0.208**	0.00906
	MW-65	Oct-23		<0.00278	**<0.0240** J4	<0.00315	<0.00278	<0.00350	0.0169 J	0.0419	<0.0107	**0.678**	**<0.0107**	**0.0791 J**	0.00741 J
	MW-65	Apr-24		0.00381 J	**<0.0240**	<0.00315	<0.00278	<0.00350	0.00582 J	0.0374	<0.0107	**0.800**	**<0.0107**	**0.110 J**	<0.00393
	MW-66	Oct-19		<0.00810	<0.00690	<0.00650	**<0.0105**	<0.00818	<0.00960	0.0446	<0.0180	**1.69**	**<0.0250**	**0.0758 J**	<0.00903
	MW-66	Jun-20		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	0.00717	0.0552	0.0121	**1.62**	<0.000430	**0.167**	0.00824 J4
	MW-66	Oct-20		<0.00111	<0.00960	<0.00126	<0.00111	<0.00140	0.00643 J	0.0424	0.00604 J	**1.90**	<0.00430	**0.0737**	0.00483 J
	MW-66	Apr-21		<0.00111	<0.00960	<0.00126	<0.00111	<0.00140	0.0185	0.0296	0.0223	**3.15**	<0.00430	**0.0620**	0.00627 J
	MW-99	Oct-18		<0.0324	**<0.0276**	<0.0260	**<0.0418**	<0.0327	0.201	0.0672 J	**0.358**	**3.10**	**<0.100**	**<0.100**	<0.0361
	MW-99	Apr-19		<0.0324	**<0.0276**	<0.0260	**<0.0418**	<0.0327	0.491	0.0480 J	**0.379**	**2.24**	**<0.100**	**<0.100**	<0.0361
	MW-99	Oct-19		<0.0324	**<0.0276**	<0.0260	**<0.0418**	<0.0327	0.241	<0.0326	**0.218**	**0.533**	**<0.100**	**<0.100**	<0.0361
	MW-99	Jun-20		<0.00111	<0.00960	<0.00126	<0.00111	<0.00140	0.0866	0.0139	0.0721	**0.379**	<0.00430	<0.0100	0.00233 J
	MW-101	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	0.00323	0.00977	0.00122 J	0.0629	<0.000430	0.00141 J	<0.000157
	MW-101	Oct-22		0.00500 J	<0.000960	<0.000126	<0.000111 J4	<0.000140	0.00483	0.0141	0.0164	0.0657	<0.000430	0.00368 J	0.00118
	MW-101	Mar-23		<0.00111	<0.00960	<0.00126	<0.00111	<0.00140	0.0323	0.0297	0.168	0.0790	<0.00430	0.0250 J	<0.00157
	MW-101	Oct-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	0.00600	0.00698	0.000966 J	0.0379	<0.000430	<0.00100 J4	<0.000157
	MW-101	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	0.00156	0.00382	0.000445 J	0.0222	<0.000430	0.00137 J	0.000972 J
	MW-101	Oct-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	0.00318	0.0112	0.0264	0.0192	<0.000430	0.00198 J	0.000329 J
	MW-102	Apr-22		<0.00555	**<0.0480**	<0.00630	**<0.00555**	<0.00700	**0.737**	0.0373 J	**0.413**	**0.670**	**<0.0215**	**0.168 J**	0.0366 JB
	MW-102	Apr-22	FD	<0.00278	**<0.0240**	<0.00315	<0.00278	<0.00350	**0.751**	0.0364	**0.397**	**0.706**	**<0.0107**	**0.112 J**	0.00601 J
	MW-102	Oct-22		<0.0278	**<0.240**	<0.0315	**<0.0278**	<0.0350	**0.735**	0.0353 J	**0.692**	**0.150 J**	**<0.108**	**<0.250**	<0.0393
	MW-102	Oct-22	FD	<0.0278	**<0.240**	<0.0315	**<0.0278**	<0.0350	**0.710**	0.0357 J	**0.643**	**0.152 J**	**<0.108**	**<0.250**	<0.0393
	MW-102	Mar-23		<0.0222	**<0.192**	<0.0252	**<0.0222**	<0.0280	**0.747**	0.0411 J	**0.535**	**0.274**	**<0.0860**	**<0.200**	<0.0314
	MW-102	Mar-23	FD	<0.0111	**<0.0960**	<0.0126	**<0.0111**	<0.0140	0.691	0.0327 J	**0.485**	**0.304**	**<0.0430**	**<0.100**	<0.0157
	MW-102	Oct-23		<0.000111	<0.000960 J4	<0.000126	<0.000111	<0.000140	0.700	0.0420	**0.542**	**0.189**	<0.000430	**0.177**	<0.000157
	MW-102	Oct-23	FD	<0.0278	**<0.240** J4	<0.0315	**<0.0278**	<0.0350	0.630	0.0326 J	**0.476 J**	**0.163 J**	**<0.108**	**<0.250**	<0.0393
	MW-102	Apr-24		<0.00111	<0.00960	<0.00126	<0.00111	<0.00140	**0.934**	0.0445	**0.619**	**0.367**	<0.00430	**0.140**	0.00966 J
	MW-102	Apr-24	FD	<0.00111	<0.00960	<0.00126	<0.00111	<0.00140	**0.744**	0.0355	**0.431**	**0.504**	<0.00430	**0.119**	<0.00157
	MW-102	Oct-24		<0.0278	**<0.240**	<0.0315	**<0.0278**	<0.0350	0.564	<0.0263	**0.539**	**0.286**	**<0.108**	**<0.250**	<0.0393
	MW-102	Oct-24	FD	<0.0278	**<0.240**	<0.0315	**<0.0278**	<0.0350	**0.741**	0.0796 J	**0.569**	**0.448**	**<0.108**	**<0.250**	<0.0393
	MW-103	Apr-21		<0.00222	<0.0192	<0.00252	<0.00222	<0.00280	0.00314 J	0.0276	<0.00860	<0.00202	**<0.00860**	<0.0200	0.00341 J
	MW-103	Apr-22		<0.00111	<0.00960	<0.00126	<0.00111	<0.00140	0.00309 J	0.0251	<0.00430	<0.00101	<0.00430	<0.0100	0.00722 JB
	MW-103	Mar-23		<0.00111	<0.00960	<0.00126	<0.00111	<0.00140	0.00145 J	0.0242	0.00441 J	<0.00101	<0.00430	<0.0100	<0.00157
	MW-103	Apr-24		<0.00111	<0.00960	<0.00126	<0.00111	<0.00140	<0.00137	0.0229	<0.00430	<0.00101	<0.00430	<0.0100	<0.00157
	MW-104	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	0.000232 J	0.0173	<0.000430	0.000592 J	<0.000430	<0.00100	<0.000157
	MW-104	Oct-22		0.000648 J	<0.000960 J3	<0.000126	<0.000111 J4	<0.000140	0.000144 J	0.0170	<0.000430	<0.000101	<0.000430	<0.00100	0.000702 J
	MW-104	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	0.0231	<0.000430	0.000679 J	<0.000430	<0.00100	0.000261 J
	MW-104	Oct-23		<0.000111	<0.000960 J4	<0.000126	<0.000111	<0.000140	0.000303 J	0.0328	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-104	Apr-24		0.0461	<0.000960	<0.000126	<0.000111	<0.000140	0.00149	0.0567	<0.000430	0.000698 J	**0.0179**	<0.00100	<0.000157
	MW-104	Oct-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	0.00330	0.0858	<0.000430	0.000679 J	<0.000430	<0.00100	0.000747 J

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Appendix B, Table B.4 - Summary of Groundwater Analytical Data - Volatile Organic Compounds

2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Volatile Organic Compounds											
				Analyte	Chloroform	Chloromethane	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene	Dibromochloromethane	Ethylbenzene	Isopropylbenzene (Cumene)	m,p-Xylene	Methyl tert-butyl ether (MTBE)	Methylene chloride	Naphthalene	n-Butyl-benzene
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	0.0800	0.0203	0.0700	0.00471	0.0800	0.700	0.447	0.193	0.100	0.00500	0.0300	1.00
				CGWSL Source:	USEPA MCL	NMED TW	WQCC HH	USEPA TW	USEPA MCL	WQCC HH	WQCC TW	NMED TW	WQCC Dom	WQCC HH	WQCC HH	USEPA TW
Area	Well ID	Date	Dup													
South Refinery	MW-105	Apr-22		<0.00278	**<0.0240**	<0.00315	<0.00278	<0.00350	0.0368	0.0326	0.191	0.00840 J	**<0.0107**	<0.0250		<0.00393
	MW-105	Oct-22		0.0315 J	**<0.0960**	<0.0126	**<0.0111** J4	<0.0140	0.0553 J	0.0358 J	0.148 J	<0.0101	**<0.0430**	**<0.100**		0.0404 J
	MW-105	Mar-23		<0.0111	**<0.0960**	<0.0126	**<0.0111**	<0.0140	0.0216 J	0.0301 J	0.0927 J	<0.0101	**<0.0430**	**<0.100**		<0.0157
	MW-105	Oct-23		<0.000555	<0.00480	<0.000630	<0.000555	<0.000700	0.0430	0.0190	0.0697	<0.000505	<0.00215	<0.00500 J4		0.00222 J
	MW-105	Apr-24		<0.00111	<0.00960	<0.00126	<0.00111	<0.00140	0.0750	0.0362	0.0989	0.0166	<0.00430	0.0160 J		<0.00157
	MW-105	Oct-24		<0.000555	<0.00480	<0.000630	<0.000555	<0.000700	0.0450	0.0305	0.130	0.00613	<0.00215	0.0106 J		0.00258 J
	MW-106	Apr-21		<0.0222	**<0.192**	<0.0252	**<0.0222** J4	<0.0280	0.101 J	0.0374 J	**0.245 J**	0.0746 J	**<0.0860**	**<0.200**		<0.0314
	MW-106	Oct-23		<0.00111	<0.00960	<0.00126	<0.00111 J4	<0.00140	0.0183	0.0110	0.0562	<0.00101	<0.00430	0.0210 J		<0.00157
	MW-106	Apr-24		<0.00278	**<0.0240** J3	<0.00315	<0.00278	<0.00350	0.155	0.0335	**0.215**	0.0509	**<0.0107**	**0.0669 J**		<0.00393
	MW-106	Oct-24		<0.0555	**<0.480** J3	<0.0630	**<0.0555**	<0.0700	<0.0685	<0.0525	**<0.215**	<0.0505	**<0.215**	**<0.500**		<0.0785
	MW-107	Oct-15		<0.0324	**<0.0276**	<0.0260	**<0.0418**	<0.0327	0.0403 J	0.0454 J	0.0867 J	**2.77**	**<0.100**	**<0.100**		<0.0361
	MW-107	Apr-17		<0.0162	<0.0138	<0.0130	**<0.0209**	<0.0164	<0.0192	0.0334 J	<0.0360	**2.78**	**<0.0500**	**0.0788 J**		<0.0180
	MW-107	Apr-18		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	0.0382	0.0576	0.0130	**3.02**	<0.00100	**0.143**		0.00377
	MW-107	Apr-19		**<0.0810**	**<0.0690**	<0.0650	**<0.104**	**<0.0818**	<0.0960	<0.0815	<0.180	**3.39**	**<0.250**	**<0.250**		<0.0902
	MW-109	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	0.00711	0.0673	0.0173	<0.000101	<0.000430	0.00103 JJ4		0.00291
	MW-109	Oct-22		<0.00278	**<0.0240**	<0.00315	<0.00278	<0.00350	0.00403 J	0.0544	<0.0107	<0.00253	**<0.0107**	<0.0250		<0.00393
	MW-109	Mar-23		<0.00555	**<0.0480**	<0.00630	**<0.00555**	<0.00700	<0.00685	0.0390 J	<0.0215	<0.00505	**<0.0215**	**<0.0500**		<0.00785
	MW-109	Oct-23		0.00390 J	**<0.0240**	<0.00315	<0.00278	<0.00350	<0.00343	0.0369	<0.0107	<0.00253	**<0.0107**	<0.0250		<0.00393
	MW-109	Apr-24		0.00625 J	**<0.0240**	<0.00315	<0.00278	<0.00350	0.00435 J	0.0634	<0.0107	<0.00253	**<0.0107**	<0.0250		<0.00393
	MW-109	Oct-24		<0.000111	<0.000960 J3	<0.000126	<0.000111	<0.000140	0.00530	0.0572	0.00767	<0.000101	<0.000430	<0.00100		0.00215
	MW-110	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	0.0394	0.0208	0.0699	<0.000101	<0.000430	0.0200 J4		0.000515 J
	MW-110	Oct-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	0.000388 J	0.00240	0.00132 J	<0.000101	<0.000430	<0.00100		<0.000157
	MW-110	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	0.000881 J	0.000521 J	<0.000101	<0.000430	<0.00100		<0.000157
	MW-110	Oct-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	0.000209 J	0.00115	0.000586 J	<0.000101	<0.000430	<0.00100		<0.000157
	MW-110	Apr-24		0.000328 J	<0.000960	<0.000126	<0.000111	<0.000140	0.000271 J	0.00255	0.000557 J	<0.000101	<0.000430	<0.00100		0.000639 J
	MW-110	Oct-24		<0.000111	<0.000960 J3	<0.000126	<0.000111	<0.000140	0.000349 J	0.00266	0.000908 J	<0.000101	<0.000430	0.00116 J		<0.000157
	MW-139	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	0.00280	<0.000430	<0.000101	<0.000430	<0.00100		<0.000157
	MW-139	Oct-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	0.00687	<0.000430	<0.000101	<0.000430	<0.00100		<0.000157
	MW-139	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100		<0.000157
	MW-139	Oct-23		<0.000111	<0.000960	<0.000126	<0.000111 J4	<0.000140	<0.000137	0.00557	<0.000430	<0.000101	<0.000430	<0.00100		<0.000157
	MW-139	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	0.00322	<0.000430	<0.000101	<0.000430	<0.00100 J4		<0.000157
	MW-139	Oct-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	0.00126	<0.000430	<0.000101	<0.000430 J4	<0.00100		<0.000157
	MW-158	Oct-24		<0.000111	<0.000960 J3	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101 Q	<0.000430	<0.00100		<0.000157
	MW-159	Oct-24		<0.000111	<0.000960 J3	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	**0.423 Q**	<0.000430	<0.00100		<0.000157
	RA-313	Apr-21		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100		<0.000157
	RA-313	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100		<0.000157
	RA-313	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	0.000213 J	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100		<0.000157
	RA-313	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100		<0.000157
	RW-4	Jun-20		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	0.00185	0.0254	0.00270	0.0727	<0.000430	<0.00100		<0.000157
	RW-4	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	0.00396	0.0229	0.00398	0.0295	<0.000430	0.00193 J		0.00559
	RW-4	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	0.00397	0.0152	0.00329	0.0180	<0.000430	0.00146 J		0.00151
	RW-4	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	0.0209	0.0311	0.0151	0.0350	<0.000430	0.00300 JJ4		0.00323
	RW-5R	Apr-15		<0.00320	<0.00280	<0.00260	<0.00420	<0.00330	**1.03**	0.0398	**1.39**	**2.15**	**<0.0100**	**0.174**		0.00606 J
	RW-6	Apr-18		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	0.0838	0.0299	0.0926	<0.000367	<0.00100	0.0290		0.00631
	RW-6	Apr-19		<0.00648	<0.00552	<0.00520	**<0.00836**	<0.00654	0.0487	0.0327	0.0224 J	**0.792**	**<0.0200**	**0.0678 J**		<0.00722
	RW-6	Mar-23		<0.00278	**<0.0240** J3	<0.00315	<0.00278	<0.00350	0.417	0.0295	**0.928**	**0.482 J3**	**<0.0107** J4	**0.115 JJ3J4**		0.00723 J
	RW-6	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	0.00108	0.000555 J	0.000965 J	**0.199**	<0.000430	<0.00100		<0.000157
	RW-15C	Apr-17		<0.00810	<0.00690	<0.00650	**<0.0104**	<0.00818	**4.19**	0.143	**4.92**	**4.25**	**<0.0250**	**0.383**		0.0168 J
	RW-15C	Apr-18		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	**3.93**	0.114	**2.98**	**3.02**	<0.00100	**<0.500**		0.00683
	RW-15C	Apr-19		<0.00324	<0.00276	<0.00260	<0.00418	<0.00327	**3.03**	0.134	**1.04**	**3.66**	**<0.0100**	**0.173 J4**		0.0134
	RW-19	Apr-24		<0.00222	<0.0192	<0.00252	<0.00222	<0.00280	0.433	0.0586	**0.657**	**3.07**	**<0.00860**	**0.210**		0.0216
South RO Field	MW-114	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	0.000137 J	<0.000430	0.00308	<0.000430	<0.00100		0.000654 JB
	MW-114	Oct-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.0674	<0.000430	<0.00100		<0.000157
	MW-114	Mar-23		0.0101	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000450 J	<0.000430	<0.00100		<0.000157
	MW-114	Oct-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.0141	<0.000430	<0.00100		<0.000157
	MW-114	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.00279	<0.000430	<0.00100		<0.000157
	MW-114	Oct-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.00928	<0.000430	<0.00100		<0.000157
	MW-115	Apr-22		<0.00111	<0.00960	<0.00126	<0.00111	<0.00140	<0.00137	<0.00105	<0.00430	0.0198	<0.00430	<0.0100		<0.00157
	MW-115	Oct-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.0205	<0.000430	<0.00100		<0.000157
	MW-115	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.0203	<0.000430	<0.00100		<0.000157
	MW-115	Oct-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.0220	<0.000430	<0.00100		<0.000157
	MW-115	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.0193	<0.000430	<0.00100		<0.000157
	MW-115	Oct-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.0121	<0.000430	<0.00100		<0.000157
	MW-116	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100		<0.000157
	MW-116	Oct-22		<0.000111	<0.000960 J3	<0.000126	<0.000111 J4	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100		<0.000157
	MW-116	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100		<0.000157
	MW-116	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	0.000105 J	<0.000430	<0.000101	<0.000430	<0.00100 J4		<0.000157
	MW-116	Oct-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100		<0.000157
	MW-144	Mar-23														
	MW-144	Oct-23														
	MW-144	Apr-24														
	MW-144	Oct-24														
	MW-163	Oct-24														
TEL	MW-49	Apr-22		<0.000555	<0.00480	<0.000630	<0.000555	<0.000700	0.00809	0.0311	0.0869	**0.183**	<0.00215	0.00626 J		0.00636 B
	MW-49	Oct-22		0.0131	0.00302	<0.000126	<0.000111 J4	<0.000140	0.00844	0.0378	0.107	**0.168**	<0.000430	0.00786		0.00363
	MW-49	Mar-23		<0.00111	<0.00960	<0.00126	<0.00111	<0.00140	0.00796 J	0.0389	0.101	**0.145**	<0.00430	<0.0100		0.00485 J
	MW-49	Oct-23		<0.00111	<0.00960	<0.00126	<0.00111 J4	<0.00140	0.0405	0.0610	**0.251**	0.0954	<0.00430	**0.0411 J**		<0.00157
	MW-49	Apr-24		<0.00111	<0.00960	<0.00126	<0.00111	<0.00140	0.0366	0.0584	**0.273**	0.0894	<0.00430	**0.0309 JJ4**		<0.00157
	MW-49	Oct-24		0.0114 J	<0.00960	<0.00126	<0.00111	<0.00140	0.00901 J	0.0370	0.117	0.0905	<0.00430	0.0258 J		0.00640 J
	TEL-1	Oct-18		<0.00162	<0.00138	<0.00130	<0.00209	<0.00164	<0.00192	<0.00163	<0.00360	0.00255 J	<0.00500	<0.00500		<0.00180
	TEL-1	Apr-19		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	0.000481 J	0.000923 J	<0.000719	0.00297	<0.00100	<0.00100		<0.000361
	TEL-1	Oct-19		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	0.000750 J	0.00128	0.000880 J	0.00310	<0.00100	<0.00100		<0.000361
	TEL-1	Jun-20		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	0.000831 J	0.00123	0.00139 J	0.00230	<0.000430	<0.00100		<0.000157
	TEL-2	Oct-18		<0.00810	<0.00690	<0.00650	**<0.0104**	<0.00818	0.0121 J	0.0354	0.123	<0.00918	**<0.0250**	<0.0250		<0.00902
	TEL-2	Apr-19		<0.00324	<0.00276	<0.00260	<0.00418	<0.00327	0.00401 J	0.0254	0.0843	0.00752 J	**<0.0100**	<0.0100		<0.00361
	TEL-2	Oct-19		<0.00324	<0.00276	<0.00260	<0.00418	<0.00327	0.00384 J	0.0202	0.0638	0.00496 J	**<0.0100** J4	<0.0100		<0.00361
	TEL-2	Jun-20		<0.00111	<0.00960	<0.00126	<0.00111	<0.00140	0.00152 J	0.0178	0.0489	0.00459 J	<0.00430	<0.0100		<0.00157
	TEL-3	Apr-18		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	0.00162	0.0556	0.0188	0.0637	<0.00100	<0.00100		0.00174
	TEL-3	Apr-19		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	0.000779 J	0.0519	0.00717	0.00433	<0.00100	<0.00100		0.00189
	TEL-3	Oct-19		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	0.000766 J	0.0368	0.0123	0.00175	<0.00100	0.00119 J		0.00152
	TEL-3	Oct-20		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	0.00262	0.0541	0.0441	0.00419	<0.000430	0.00365 J		0.00244
	TEL-4	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	0.000161 J	0.0173	0.000995 J	0.00398	<0.000430	<0.00100		<0.000157
	TEL-4	Apr-22	FD	<0.000555	<0.00480	<0.000630	<0.000555	<0.000700	<0.000685	0.0183	<0.00215	0.00415 J	<0.00215	<0.00500		<0.000785
	TEL-4	Oct-22		0.000308 J	<0.000960	<0.000126	<0.000111 J4	<0.000140	0.000244 J	0.0132	0.00171 J	0.00541	<0.000430	<0.00100		0.000644 J
	TEL-4	Oct-22	FD	0.000339 J	<0.000960	<0.000126	<0.000111 J4	<0.000140	0.000224 J	0.0129	0.00188 J	0.00515	<0.000430	0.00107 J		0.000678 J
	TEL-4	Mar-23		<0.00222	<0.0192	<0.00252	<0.00222	<0.00280	<0.00274	0.0108 J	<0.00860	0.00270 J	**<0.00860**	<0.0200		<0.00314
	TEL-4	Mar-23	FD	<0.00222	<0.0192	<0.00252	<0.00222	<0.00280	<0.00274	0.0105 J	<0.00860	<0.00202	**<0.00860**	<0.0200		<0.00314
	TEL-4	Oct-23		<0.000111	<0.000960	<0.000126	<0.000111 J4	<0.000140	0.000167 J	0.00968	0.000497 J	0.000902 J	<0.000430	0.00206 J		<0.000157
	TEL-4	Oct-23	FD	<0.000111	<0.000960	<0.000126	<0.000111 J4	<0.000140	<0.000137	0.0105	0.000596 J	0.00114	<0.000430	0.00190 J		<0.000157
	TEL-4	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	0.000840 J	0.0112	0.000668 J	0.000332 J	<0.000430	0.00107 JJ4		<0.000157
	TEL-4	Apr-24	FD	<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	0.000766 J	0.0111	0.000683 J	0.000373 J	<0.000430	<0.00100 J4		<0.000157
	TEL-4	Oct-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	0.000784 J	0.00492	<0.000430	<0.000101	<0.000430	0.00135 J		0.000288 J
	TEL-4	Oct-24	FD	<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	0.000980 J	0.00608	<0.000430	0.000110 J	<0.000430 J4	0.00167 J		0.000670 J

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Appendix B, Table B.4 - Summary of Groundwater Analytical Data - Volatile Organic Compounds

2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Volatile Organic Compounds											
				Analyte	Chloroform	Chloromethane	cis-1,2-Dichloro-ethene	cis-1,3-Dichloro-propene	Dibromo-chloromethane	Ethyl-benzene	Isopropyl-benzene (Cumene)	m,p-Xylene	Methyl tert-butyl ether (MTBE)	Methylene chloride	Naphthalene	n-Butyl-benzene
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	0.0800	0.0203	0.0700	0.00471	0.0800	0.700	0.447	0.193	0.100	0.00500	0.0300	1.00
				CGWSL Source:	USEPA MCL	NMED TW	WQCC HH	USEPA TW	USEPA MCL	WQCC HH	WQCC TW	NMED TW	WQCC Dom	WQCC HH	WQCC HH	USEPA TW
Area	**Well ID**	**Date**	**Dup**													
Three Mile Ditch	MW-8	Apr-21		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	**0.104**	<0.000430	<0.00100	<0.000157
	MW-8	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	**0.124**	<0.000430	<0.00100 J4	<0.000157
	MW-8	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	**0.193**	<0.000430	<0.00100	<0.000157
	MW-8	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	**0.222**	<0.000430	<0.00100	<0.000157
	MW-16	Apr-21		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-16	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100 J4	<0.000157
	MW-16	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100 J3J4	<0.000157
	MW-16	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-20	Apr-21		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-20	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	0.000287 J	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-20	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-20	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-21	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.0685	<0.000430	<0.00100 J4	<0.000157
	MW-21	Oct-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140 J4	0.00429 J	<0.000105	<0.000430	**0.222**	<0.000430	<0.00100	<0.000157
	MW-21	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.0524	<0.000430	<0.00100	<0.000157
	MW-21	Oct-23		<0.000555	<0.00480	<0.000630	<0.000555	<0.000700	<0.000685	<0.000525	<0.00215	**0.234**	<0.00215	<0.00500	<0.000785
	MW-21	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.0898	<0.000430	<0.00100	<0.000157
	MW-21	Oct-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	**0.155**	<0.000430	<0.00100	<0.000157
	MW-25	Apr-21		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-25	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100 J4	<0.000157
	MW-25	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100 J3J4	<0.000157
	MW-25	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-26	Apr-21		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-26	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100 J4	<0.000157
	MW-26	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100 J3J4	<0.000157
	MW-26	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-27	Apr-21		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-27	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100 J4	<0.000157
	MW-27	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100 J3J4	<0.000157
	MW-27	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-46R	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-46R	Oct-22		<0.000111	<0.000960 J3	<0.000126	<0.000111 J4	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-46R	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-46R	Oct-23		<0.000111	<0.000960 J4	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-46R	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100 J4	<0.000157
	MW-46R	Oct-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-68	Apr-21		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-68	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100 J4	<0.000157
	MW-68	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100 J3J4	<0.000157
	MW-68	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-71	Apr-21		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.00706	<0.000430	<0.00100	<0.000157
	MW-71	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000567 J	<0.000430	<0.00100 J4	<0.000157
	MW-71	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000398 J	<0.000430	<0.00100	<0.000157
	MW-71	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000346 J	<0.000430	<0.00100	<0.000157
	MW-89	Apr-21		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-89	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100 J4	<0.000157
	MW-89	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100 J3J4	<0.000157
	MW-89	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	MW-152	Oct-24		<0.000111	<0.000960 J3	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	**0.221 Q**	<0.000430	<0.00100	<0.000157
	MW-153	Oct-24		<0.000111	<0.000960 J3	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	**0.191**	<0.000430	<0.00100	<0.000157
	MW-154	Oct-24		<0.000111	<0.000960 J3	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.0735	<0.000430	<0.00100	<0.000157
	MW-155	Oct-24		<0.000111	<0.000960 J3	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.000995 JQ	<0.000430	<0.00100	<0.000157
	MW-156	Oct-24		<0.000111	<0.000960 J3	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	NP-1	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	**0.623**	<0.000430	<0.00100 J4	<0.000157
	NP-1	Oct-22		<0.00222	<0.0192	<0.00252	<0.00222	<0.00280 J4	<0.00274	<0.00210	<0.00860	**0.554**	**<0.00860**	<0.0200	<0.00314
	NP-1	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	**0.606**	<0.000430	<0.00100	<0.000157
	NP-1	Oct-23		<0.00222	<0.0192	<0.00252	<0.00222	<0.00280	<0.00274	<0.00210	<0.00860	**0.722**	**<0.00860**	<0.0200	<0.00314
	NP-1	Apr-24		<0.00222	<0.0192	<0.00252	<0.00222	<0.00280	<0.00274	<0.00210	<0.00860	**0.377**	**<0.00860**	<0.0200	<0.00314
	NP-1	Oct-24		<0.00222	<0.0192	<0.00252	<0.00222	<0.00280	<0.00274	<0.00210	<0.00860	**0.773**	**<0.00860**	<0.0200	<0.00314
	NP-6	Apr-17		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	<0.000384	<0.000326	<0.000719	0.0353	<0.00100	<0.00100	<0.000361
	NP-6	Apr-19		<0.000324	<0.000276	<0.000260	<0.000418	<0.000327	<0.000384	<0.000326	<0.000719	0.0729	<0.00100	<0.00100 J3J4	<0.000361
	NP-6	Apr-21		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	0.0407	<0.000430	<0.00100	<0.000157
	NP-6	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	**0.189**	<0.000430	<0.00100	<0.000157
Upgradient	UG-1	Apr-21		<0.000111 J4	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	UG-1	Apr-22		0.000149 J	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	UG-1	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	UG-1	Apr-24		0.00167 J	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	UG-2	Apr-21		<0.000111 J4	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	UG-2	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	UG-2	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	UG-2	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	UG-3R	Apr-21		<0.000111 J4	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	UG-3R	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	UG-3R	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	UG-3R	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	UG-4	Apr-21		<0.000111 J4	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	UG-4	Apr-22		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	UG-4	Mar-23		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157
	UG-4	Apr-24		<0.000111	<0.000960	<0.000126	<0.000111	<0.000140	<0.000137	<0.000105	<0.000430	<0.000101	<0.000430	<0.00100	<0.000157

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Appendix B, Table B.4 - Summary of Groundwater Analytical Data - Volatile Organic Compounds

2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Volatile Organic Compounds											
				Analyte	n-Propyl-benzene	o-Xylene	sec-Butyl-benzene (2-Phenyl-butane)	Styrene	tert-Butyl alcohol (tert-Butanol)	Tetra-chloroethene	Toluene	Total Xylenes	trans-1,2-Dichloroethene	trans-1,3-Dichloro-propene	Tri-chloroethene	Vinyl Chloride
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	0.660	0.193	2.00	0.100	0.150	0.00500	1.00	0.620	0.100	---	0.00500	0.00200
				CGWSL Source:	USEPA TW	WQCC TW	USEPA TW	WQCC HH	USEPA TW	WQCC HH	WQCC HH	WQCC HH	WQCC HH	---	WQCC HH	WQCC HH
Area	**Well ID**	**Date**	**Dup**													
Cross-Gradient	KWB-13	Apr-21		<0.0000993	<0.000174	<0.000125	<0.000118		<0.000300	<0.000278	0.000438 J	<0.000149	<0.000118	<0.000190	<0.000234
	KWB-13	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	KWB-13	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	KWB-13	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-136	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-136	Oct-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-136	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-136	Oct-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-136	Oct-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-149	Oct-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-149	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-149	Oct-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-150	Oct-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-150	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-150	Oct-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	NP-5	Apr-17		<0.000349	<0.000341	<0.000365	<0.000307		<0.000372	<0.000412	<0.00106	<0.000396	<0.000419	<0.000398	<0.000259
	NP-5	Apr-19		<0.000349	<0.000341	<0.000365	<0.000307		<0.000372	<0.000412	<0.00106	<0.000396	<0.000419	<0.000398	<0.000259
	NP-5	Apr-21		<0.0000993	<0.000174	<0.000125	<0.000118		<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	NP-5	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	RA-3156	Apr-19		<0.000349	<0.000341	<0.000365	<0.000307		<0.000372	<0.000412	<0.00106	<0.000396	<0.000419	<0.000398	<0.000259
	RA-3156	Jun-20		<0.0000993	<0.000174	<0.000125	<0.000118		<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	RA-3156	Apr-21		<0.0000993	<0.000174	<0.000125	<0.000118		<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	RA-3156	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
Evaporation Ponds	MW-1R	Apr-21		<0.0000993	<0.000174	<0.000125	<0.000118		<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-1R	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-1R	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-1R	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-2A	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-2A	Oct-22													
	MW-2A	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-2A	Oct-23													
	MW-2A	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-2A	Oct-24													
	MW-3	Apr-22		<0.0000993	<0.000174	0.000330 J	<0.000118	0.00964	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-3	Apr-22	FD	<0.0000993	<0.000174	0.000207 J	<0.000118	0.0140	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-3	Oct-22													
	MW-3	Oct-22	FD												
	MW-3	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	0.00625	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-3	Mar-23	FD	<0.0000993	<0.000174	<0.000125	<0.000118	0.00738	<0.000300	<0.000278	<0.000174	<0.000149	0.000312 J	<0.000190	<0.000234
	MW-3	Oct-23													
	MW-3	Oct-23	FD												
	MW-3	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-3	Apr-24	FD	<0.0000993	<0.000174	<0.000125	<0.000118	0.00470 J	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-3	Oct-24													
	MW-3	Oct-24	FD												
	MW-4A	Apr-22		<0.0000993	<0.000174	0.000281 J	<0.000118	0.0281	<0.000300	<0.000278	0.000882 J	<0.000149	<0.000118	<0.000190	<0.000234
	MW-4A	Oct-22													
	MW-4A	Mar-23		<0.0000993	<0.000174	0.000196 J	<0.000118	0.0379	<0.000300	<0.000278	0.000512 J	<0.000149	<0.000118	<0.000190	<0.000234
	MW-4A	Oct-23													
	MW-4A	Apr-24		<0.0000993	<0.000174	0.000211 J	<0.000118	0.0456	<0.000300	<0.000278	0.000719 J	<0.000149	<0.000118	<0.000190 J4	<0.000234
	MW-4A	Oct-24													
	MW-4B	Apr-17		<0.000349	<0.000341	<0.000365	<0.000307		<0.000372	<0.000412	<0.00106	<0.000396	<0.000419	<0.000398	<0.000259
	MW-4B	Apr-19		<0.000349	<0.000341	<0.000365	<0.000307		<0.000372	<0.000412	<0.00106	<0.000396	<0.000419	<0.000398	<0.000259
	MW-4B	Apr-21		<0.0000993	<0.000174	0.000204 J	<0.000118		<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-4B	Mar-23		<0.0000993	<0.000174	0.000138 J	<0.000118	0.0597	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-5A	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	0.0241	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-5A	Oct-22													
	MW-5A	Mar-23		<0.0000993	<0.000174	0.000313 J	<0.000118	0.0273	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-5A	Oct-23													
	MW-5A	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	0.0231	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190 J4	<0.000234
	MW-5A	Oct-24													
	MW-5B	Apr-17		<0.000349	<0.000341	<0.000365	<0.000307		<0.000372	<0.000412	<0.00106	<0.000396	<0.000419	<0.000398	<0.000259
	MW-5B	Apr-19		<0.000349	<0.000341	<0.000365	<0.000307		<0.000372	<0.000412	<0.00106	<0.000396	<0.000419	<0.000398	<0.000259
	MW-5B	Apr-21		<0.0000993	<0.000174	<0.000125	<0.000118		<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-5B	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	0.0506	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-5C	Apr-17		<0.000349	<0.000341	<0.000365	<0.000307		<0.000372	<0.000412	<0.00106	<0.000396	<0.000419	<0.000398	<0.000259
	MW-5C	Apr-19		<0.000349	<0.000341	<0.000365	<0.000307		<0.000372	<0.000412	<0.00106	<0.000396	<0.000419	<0.000398	<0.000259
	MW-5C	Apr-21		<0.0000993	<0.000174	<0.000125	<0.000118		<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-5C	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-6A	Apr-21		<0.000497	0.00304 J	<0.000625	<0.000590		<0.00150	0.00219 J	0.00602 J	<0.000745	<0.000590	<0.000950	<0.00117
	MW-6A	Apr-22		0.000163 J	0.00284	<0.000125	<0.000118	0.130	<0.000300	0.00186	0.00554	<0.000149	<0.000118	<0.000190	<0.000234
	MW-6A	Mar-23		0.000129 J	0.00284	0.000132 J	<0.000118	0.0235	<0.000300	0.000850 J	0.00517	<0.000149	<0.000118	<0.000190	<0.000234
	MW-6A	Apr-24		0.000444 J	0.00246	<0.000125	<0.000118	0.0921	<0.000300	0.00563	0.0109	<0.000149	<0.000118	<0.000190	<0.000234
	MW-6B	Apr-17		<0.000349	<0.000341	<0.000365	<0.000307		<0.000372	<0.000412	<0.00106	<0.000396	<0.000419	<0.000398	<0.000259
	MW-6B	Apr-19		<0.000349	<0.000341	<0.000365	<0.000307		<0.000372	<0.000412	<0.00106	<0.000396	<0.000419	<0.000398	<0.000259
	MW-6B	Apr-21		<0.0000993	<0.000174	<0.000125	<0.000118		<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-6B	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-7A	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	0.00700	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-7A	Apr-22	FD	<0.0000993	<0.000174	<0.000125	<0.000118	0.00563	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-7A	Oct-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-7A	Oct-22	FD	<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-7A	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-7A	Mar-23	FD	<0.0000993	<0.000174	<0.000125	<0.000118	0.00756	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-7A	Oct-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	0.000908 J	<0.000190	<0.000234
	MW-7A	Oct-23	FD	<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-7A	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-7A	Apr-24	FD	<0.0000993	<0.000174	<0.000125	<0.000118	0.00484 J	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-7A	Oct-24		<0.0000993	<0.000174	<0.000125	<0.000118	0.00660 J3	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-7A	Oct-24	FD	<0.0000993	<0.000174	<0.000125	<0.000118	0.00748 J3	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-7B	Apr-17		<0.000349	<0.000341	<0.000365	<0.000307		<0.000372	<0.000412	<0.00106	<0.000396	<0.000419	<0.000398	<0.000259
	MW-7B	Apr-19		<0.000349	<0.000341	<0.000365	<0.000307		<0.000372	<0.000412	<0.00106	<0.000396	<0.000419	<0.000398	<0.000259
	MW-7B	Apr-21		<0.0000993	<0.000174	<0.000125	<0.000118		<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-7B	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-10	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-10	Oct-22													
	MW-10	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-10	Oct-23													
	MW-10	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190 J4	<0.000234
	MW-10	Oct-24													
	MW-11A	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-11A	Oct-22													
	MW-11A	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-11A	Oct-23													
	MW-11A	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-11A	Oct-24													

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Appendix B, Table B.4 - Summary of Groundwater Analytical Data - Volatile Organic Compounds

2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Volatile Organic Compounds											
				Analyte	n-Propyl-benzene	o-Xylene	sec-Butyl-benzene (2-Phenyl-butane)	Styrene	tert-Butyl alcohol (tert-Butanol)	Tetra-chloroethene	Toluene	Total Xylenes	trans-1,2-Dichloroethene	trans-1,3-Dichloro-propene	Tri-chloroethene	Vinyl Chloride
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	0.660	0.193	2.00	0.100	0.150	0.00500	1.00	0.620	0.100	---	0.00500	0.00200
				CGWSL Source:	USEPA TW	WQCC TW	USEPA TW	WQCC HH	USEPA TW	WQCC HH	WQCC HH	WQCC HH	WQCC HH	---	WQCC HH	WQCC HH
Area	**Well ID**	**Date**	**Dup**													
Evaporation Ponds	MW-11B	Apr-17		<0.000349	<0.000341	<0.000365	<0.000307		<0.000372	<0.000412	<0.00106	<0.000396	<0.000419	<0.000398	<0.000259
	MW-11B	Apr-19		<0.000349	<0.000341	<0.000365	<0.000307		<0.000372	<0.000412	<0.00106	<0.000396	<0.000419	<0.000398	<0.000259
	MW-11B	Apr-21		<0.0000993	<0.000174	<0.000125	<0.000118		<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-11B	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-15	Apr-21		<0.0000993	<0.000174	<0.000125	<0.000118		<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-15	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-15	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-15	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-18A	Apr-22		<0.0000993	<0.000174	0.000154 J	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-18A	Oct-22													
	MW-18A	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-18A	Oct-23													
	MW-18A	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-18A	Oct-24													
	MW-18B	Apr-17		<0.000349	<0.000341	<0.000365	<0.000307		<0.000372	<0.000412	<0.00106	<0.000396	<0.000419	<0.000398	<0.000259
	MW-18B	Apr-19		<0.000349	<0.000341	<0.000365	<0.000307		<0.000372	<0.000412	<0.00106	<0.000396	<0.000419	<0.000398	<0.000259
	MW-18B	Apr-21		<0.0000993	<0.000174	<0.000125	<0.000118		<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-18B	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-22A	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	0.00473 J	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-22A	Apr-22	FD	<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-22A	Oct-22													
	MW-22A	Oct-22	FD												
	MW-22A	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	0.00462 J	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-22A	Mar-23	FD	<0.0000993	<0.000174	<0.000125	<0.000118	0.00750	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-22A	Oct-23													
	MW-22A	Oct-23	FD												
	MW-22A	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-22A	Oct-23	FD												
	MW-22A	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-22A	Apr-24	FD	<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-22A	Oct-24													
	MW-22A	Oct-24	FD												
	MW-22B	Apr-17		<0.000349	<0.000341	<0.000365	<0.000307		<0.000372	<0.000412	<0.00106	<0.000396	<0.000419	<0.000398	<0.000259
	MW-22B	Apr-19		<0.000349	<0.000341	<0.000365	<0.000307		<0.000372	<0.000412	<0.00106	<0.000396	<0.000419	<0.000398	<0.000259
	MW-22B	Apr-21		<0.0000993	<0.000174	0.000545 J	<0.000118		<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-22B	Mar-23		<0.0000993	<0.000174	0.000429 J	<0.000118	0.0477	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-70	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-70	Oct-22													
	MW-70	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-70	Oct-23													
	MW-70	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-70	Oct-24													
	MW-72	Apr-21		<0.0000993	<0.000174	<0.000125	<0.000118		<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-72	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-72	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-72	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-73	Apr-21		<0.0000993	<0.000174	<0.000125	<0.000118		<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-73	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	0.00677	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-73	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	0.0100	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-73	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	0.0132	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190 J4	<0.000234
	MW-74	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	0.0310	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-74	Oct-22													
	MW-74	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	0.0265	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-74	Oct-23													
	MW-74	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	0.0305	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190 J4	<0.000234
	MW-74	Oct-24													
	MW-75	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	0.0122	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-75	Oct-22													
	MW-75	Mar-23		0.000527 J	<0.000174	0.000596 J	<0.000118	0.0158	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-75	Oct-23													
	MW-75	Apr-24		<0.0199	<0.0348	<0.0250	<0.0236	**<0.812**	**<0.0600**	<0.0556	<0.0348	<0.0298	<0.0236	**<0.0380**	**<0.0468**
	MW-75	Oct-24													
	MW-76	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	0.0448	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-76	Oct-22													
	MW-76	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	0.0403	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-76	Oct-23													
	MW-76	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	0.0417	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-76	Oct-24													
	MW-77	Apr-21		<0.00248	<0.00435	<0.00313	<0.00295		**<0.00750**	<0.00695	<0.00435	<0.00373	<0.00295	<0.00475	**<0.00585**
	MW-77	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	0.0128	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-77	Mar-23		<0.000993	<0.00174	<0.00125	<0.00118	<0.0406	<0.00300	<0.00278	<0.00174	<0.00149	<0.00118	<0.00190	**<0.00234**
	MW-77	Apr-24		<0.0199	<0.0348	<0.0250	<0.0236	**<0.812**	**<0.0600**	<0.0556	<0.0348	<0.0298	<0.0236	**<0.0380**	**<0.0468**
	MW-78	Apr-21		<0.0000993	<0.000174	<0.000125	<0.000118		<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-78	Apr-22		<0.000993	<0.00174	<0.00125	<0.00118	<0.0406	<0.00300	<0.00278	<0.00174	<0.00149	<0.00118	<0.00190	**<0.00234**
	MW-78	Mar-23		<0.000993	<0.00174	<0.00125	<0.00118	<0.0406	<0.00300	<0.00278	<0.00174	<0.00149	<0.00118	<0.00190	**<0.00234**
	MW-78	Apr-24		<0.0199	<0.0348	<0.0250	<0.0236	**<0.812**	**<0.0600**	<0.0556	<0.0348	<0.0298	<0.0236	**<0.0380**	**<0.0468**
	MW-79	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-79	Oct-22													
	MW-79	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-79	Oct-23													
	MW-79	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190 J4	<0.000234
	MW-79	Oct-24													
	MW-80	Apr-21		<0.0000993	<0.000174	<0.000125	<0.000118		<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-80	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-80	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-80	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190 J4	<0.000234
	MW-81	Apr-21		<0.0000993	<0.000174	<0.000125	<0.000118		<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-81	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-81	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-81	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190 J4	<0.000234
	MW-82	Apr-21		<0.0000993	<0.000174	<0.000125	<0.000118		<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-82	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-82	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-82	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190 J4	<0.000234
	MW-83	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-83	Oct-22													
	MW-83	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-83	Oct-23													
	MW-83	Apr-24		<0.0199	<0.0348	<0.0250	<0.0236	**<0.812**	**<0.0600**	<0.0556	<0.0348	<0.0298	<0.0236	**<0.0380**	**<0.0468**
	MW-83	Oct-24													
	MW-84	Apr-22		0.00910 J	<0.00348	0.00348 J	0.00688 J	<0.0812	**<0.00600**	<0.00556	<0.00348	<0.00298	<0.00236	0.00423 J	**<0.00468**
	MW-84	Oct-22													
	MW-84	Mar-23		<0.000993	<0.00174	<0.00125	<0.00118	<0.0406	<0.00300	<0.00278	<0.00174	<0.00149	<0.00118	<0.00190	**<0.00234**
	MW-84	Oct-23													
	MW-84	Apr-24		<0.000993	<0.00174	<0.00125	<0.00118	<0.0406	<0.00300	<0.00278	<0.00174	<0.00149	<0.00118	<0.00190 J4	**<0.00234**
	MW-84	Oct-24													

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Appendix B, Table B.4 - Summary of Groundwater Analytical Data - Volatile Organic Compounds

2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Volatile Organic Compounds											
				Analyte	n-Propyl-benzene	o-Xylene	sec-Butyl-benzene (2-Phenyl-butane)	Styrene	tert-Butyl alcohol (tert-Butanol)	Tetra-chloroethene	Toluene	Total Xylenes	trans-1,2-Dichloroethene	trans-1,3-Dichloro-propene	Tri-chloroethene	Vinyl Chloride
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	0.660	0.193	2.00	0.100	0.150	0.00500	1.00	0.620	0.100	---	0.00500	0.00200
				CGWSL Source:	USEPA TW	WQCC TW	USEPA TW	WQCC HH	USEPA TW	WQCC HH	WQCC HH	WQCC HH	WQCC HH	---	WQCC HH	WQCC HH
Area	**Well ID**	**Date**	**Dup**													
Evaporation Ponds	MW-86	Jun-20		0.00566 J	0.0216	<0.00250	<0.00236		**<0.00600** J4	0.0345	0.0483 J	<0.00298	<0.00236	<0.00380	**<0.00468**
	MW-86	Oct-20		0.00471 J	0.0288	<0.00250	<0.00236		**<0.00600**	0.0435	0.0583 J	<0.00298	<0.00236	<0.00380	**<0.00468**
	MW-87	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-87	Oct-22													
	MW-87	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-87	Oct-23													
	MW-87	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-87	Oct-24													
	MW-88	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-88	Oct-22													
	MW-88	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-88	Oct-23													
	MW-88	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-88	Oct-24													
	MW-120	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-120	Oct-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-120	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-120	Oct-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190 J4	<0.000234
	MW-120	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	0.00982	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-120	Oct-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234 Q
	MW-121	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	0.00915	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-121	Oct-22													
	MW-121	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	0.0100	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-121	Oct-23													
	MW-121	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	0.00637	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-121	Oct-24													
	MW-122	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-122	Oct-22													
	MW-122	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-122	Oct-23													
	MW-122	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-122	Oct-24													
	MW-123	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-123	Oct-22													
	MW-123	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-123	Oct-23													
	MW-123	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190 J4	<0.000234
	MW-123	Oct-24													
	MW-124	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-124	Oct-22													
	MW-124	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-124	Oct-23													
	MW-124	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-124	Oct-24													
	OCD-1R	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	OCD-1R	Oct-22													
	OCD-1R	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	OCD-1R	Oct-23													
	OCD-1R	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	OCD-1R	Oct-24													
	OCD-2A	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	OCD-2A	Oct-22													
	OCD-2A	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	OCD-2A	Oct-23													
	OCD-2A	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	OCD-2A	Oct-24													
	OCD-3	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	OCD-3	Oct-22													
	OCD-3	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	OCD-3	Oct-23													
	OCD-3	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	OCD-3	Oct-24													
	OCD-4	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	OCD-4	Oct-22													
	OCD-4	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	OCD-4	Oct-23													
	OCD-4	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	OCD-4	Oct-24													
	OCD-5	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	OCD-5	Oct-22													
	OCD-5	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	OCD-5	Oct-23													
	OCD-5	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	OCD-5	Oct-24													
	OCD-6	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	OCD-6	Oct-22													
	OCD-6	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	OCD-6	Oct-23													
	OCD-6	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	OCD-6	Oct-24													
	OCD-7AR	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	0.0569	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	OCD-7AR	Oct-22													
	OCD-7AR	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	0.00880	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	OCD-7AR	Oct-23													
	OCD-7AR	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	0.0945	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	OCD-7AR	Oct-24													
	OCD-7B	Apr-17		<0.000349	<0.000341	<0.000365	<0.000307		<0.000372	<0.000412	<0.00106	<0.000396	<0.000419	<0.000398	<0.000259
	OCD-7B	Apr-19		<0.000349	<0.000341	<0.000365	<0.000307		<0.000372	<0.000412	<0.00106	<0.000396	<0.000419	<0.000398	<0.000259
	OCD-7B	Apr-21		<0.0000993	<0.000174	<0.000125	<0.000118		<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	OCD-7B	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	0.00482 J	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	OCD-8A	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	0.0147	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	OCD-8A	Oct-22													
	OCD-8A	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	OCD-8A	Oct-23													
	OCD-8A	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	0.121	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	OCD-8A	Oct-24													
	OCD-8B	Apr-17		<0.000349	<0.000341	<0.000365	<0.000307		<0.000372	<0.000412	<0.00106	<0.000396	<0.000419	<0.000398	<0.000259
	OCD-8B	Apr-19		<0.000349	<0.000341	<0.000365	<0.000307		<0.000372	<0.000412	<0.00106	<0.000396	<0.000419	<0.000398	<0.000259
	OCD-8B	Apr-21		<0.0000993	<0.000174	<0.000125	<0.000118		<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	OCD-8B	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234

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				Analyte Group	Volatile Organic Compounds											
				Analyte	n-Propyl-benzene	o-Xylene	sec-Butyl-benzene (2-Phenyl-butane)	Styrene	tert-Butyl alcohol (tert-Butanol)	Tetra-chloroethene	Toluene	Total Xylenes	trans-1,2-Dichloroethene	trans-1,3-Dichloro-propene	Tri-chloroethene	Vinyl Chloride
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	0.660	0.193	2.00	0.100	0.150	0.00500	1.00	0.620	0.100	---	0.00500	0.00200
				CGWSL Source:	USEPA TW	WQCC TW	USEPA TW	WQCC HH	USEPA TW	WQCC HH	WQCC HH	WQCC HH	WQCC HH	---	WQCC HH	WQCC HH
Area	Well ID	Date	Dup													
Field East of Refinery	KWB-1A	Oct-22		0.00575	0.000412 J	0.00124	<0.000118	<0.00406	<0.000300	<0.000278	0.0338	<0.000149	<0.000118 J4	<0.000190	<0.000234
	KWB-1A	Mar-23		0.00457	0.000415 J	0.00124	<0.000118	<0.00406	<0.000300	<0.000278	0.0339	<0.000149	<0.000118	<0.000190	<0.000234
	KWB-1A	Oct-23		0.00180	0.000468 J	0.00130	<0.000118	<0.00406	<0.000300	<0.000278	0.0269	<0.000149	<0.000118	<0.000190	<0.000234
	KWB-1A	Apr-24		0.00139	0.000420 J	0.00137	<0.000118	<0.00406	<0.000300	0.000413 J	0.0236	<0.000149	<0.000118	<0.000190	<0.000234
	KWB-1A	Oct-24		0.000452 J	<0.000174	0.00115	<0.000118	<0.00406	<0.000300	<0.000278	0.0130	<0.000149	<0.000118	<0.000190 J3	<0.000234 J3
	KWB-1C	Apr-17		<0.000349	<0.000341	<0.000365	<0.000307		<0.000372	<0.000412	<0.00106	<0.000396	<0.000419	<0.000398	<0.000259
	KWB-1C	Apr-19		<0.000349	<0.000341	<0.000365	<0.000307		<0.000372	<0.000412	<0.00106	<0.000396	<0.000419	<0.000398	<0.000259
	KWB-1C	Apr-21		<0.0000993	<0.000174	<0.000125	<0.000118		<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	KWB-1C	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	KWB-7	Apr-22		0.0236	0.000254 J	0.00947	<0.000118	0.0191	<0.000300	0.000657 J	0.00128 J	<0.000149	<0.000118	<0.000190	<0.000234
	KWB-7	Oct-22		0.0404	<0.000174	0.0170	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	KWB-7	Mar-23		0.0267 J	<0.00870	0.00975 J	<0.00590	**<0.203**	**<0.0150**	<0.0139	<0.00870	<0.00745	<0.00590	**<0.00950**	**<0.0117**
	KWB-7	Oct-23		0.0172	<0.000174	0.0153	<0.000118	0.0126	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190 J4	<0.000234
	KWB-7	Apr-24		0.0174	<0.000174	0.0149	<0.000118	0.00599	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	KWB-7	Oct-24		0.00376	0.000178 J	0.0155	<0.000118	<0.00406	<0.000300	0.000464 J	0.000178 J	<0.000149	<0.000118	<0.000190	<0.000234
	KWB-8	Apr-17		0.0852 J	0.145	<0.0365	<0.0307		**<0.0372**	0.747	**2.07**	<0.0396	<0.0419	**<0.0398**	**<0.0259**
	KWB-8	Oct-17		0.0217	0.0133	<0.000365	<0.000307		<0.000372	0.336	**0.795**	<0.000396	<0.000419	<0.000398	<0.000259
	KWB-8	Oct-20		0.168 J	0.139 J	<0.0250	<0.0236		**<0.0600**	**1.08**	**4.19**	<0.0298	<0.0236	**<0.0380**	**<0.0468**
	KWB-10R	Apr-17		0.0714	**0.198**	<0.0182	<0.0154		**<0.0186**	0.0605	**0.914**	<0.0198	<0.0210	**<0.0199**	**<0.0130**
	KWB-10R	Oct-17		0.0748	0.112 J	0.0126	<0.000307		<0.000372	0.0588	**0.767**	<0.000396	<0.000419	<0.000398	<0.000259
	KWB-10R	Apr-18		<0.0872	0.0922 J	<0.0912	<0.0768		**<0.0930**	<0.103	0.549 J	<0.0990	<0.105	**<0.0995**	**<0.0648**
	KWB-10R	Oct-18		<0.0872	<0.0852	<0.0912	<0.0768		**<0.0930**	<0.103	<0.265	<0.0990	<0.105	**<0.0995**	**<0.0648**
	KWB-11A	Oct-22		0.00227	<0.000174	0.00170	<0.000118	0.0114	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	KWB-11A	Mar-23		0.000377 J	<0.000174	0.00126	<0.000118	0.0444	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	KWB-11A	Oct-23		<0.0000993	<0.000174	0.000462 J	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	KWB-11A	Apr-24		0.000415 J	<0.000174	0.000908 J	<0.000118	0.00879	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	KWB-11A	Oct-24		<0.0000993	<0.000174	0.000445 J	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	KWB-11B	Apr-22		0.000441 J	<0.000174	0.000169 J	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	KWB-11B	Oct-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	KWB-11B	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	KWB-11B	Oct-23		<0.0000993	<0.000174	<0.000125	<0.000118	0.00488 J	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	KWB-11B	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	KWB-11B	Oct-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	KWB-12A	Sep-21		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	KWB-12A	Oct-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118 J4	<0.000190	<0.000234
	KWB-12A	Oct-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	KWB-12A	Oct-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	KWB-12B	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	KWB-12B	Apr-22	FD	<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	KWB-12B	Oct-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118 J4	<0.000190	<0.000234
	KWB-12B	Oct-22	FD	<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118 J4	<0.000190	<0.000234
	KWB-12B	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	KWB-12B	Mar-23	FD	<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	KWB-12B	Oct-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	KWB-12B	Oct-23	FD	<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	KWB-12B	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	0.000544 J	<0.000149	<0.000118	<0.000190	<0.000234
	KWB-12B	Apr-24	FD	<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	KWB-12B	Oct-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190 J3	<0.000234 J3
	KWB-12B	Oct-24	FD	<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190 J3	<0.000234 J3
	KWB-P4	Apr-17		<0.000349	<0.000341	<0.000365	<0.000307		<0.000372	<0.000412	<0.00106	<0.000396	<0.000419	<0.000398	<0.000259
	KWB-P4	Apr-19		<0.000349	<0.000341	<0.000365	<0.000307		<0.000372	<0.000412	<0.00106	<0.000396	<0.000419	<0.000398	<0.000259
	KWB-P4	Apr-21		<0.0000993	<0.000174	<0.000125	<0.000118		<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	KWB-P4	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-57	Oct-20		<0.0000993	<0.000174	<0.000125	<0.000118		<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190 J4	<0.000234
	MW-57	Apr-21		<0.0000993	<0.000174	<0.000125	<0.000118		<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-57	Sep-21		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-57	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-58	Oct-17		0.0842	0.00179	0.00872	<0.000307		<0.000372	0.0101	0.222	<0.000396	<0.000419	<0.000398	<0.000259
	MW-58	Apr-18		0.0965	<0.0170	<0.0182	<0.0154		**<0.0186**	<0.0206	0.268	<0.0198	<0.0210	**<0.0199**	**<0.0130**
	MW-58	Oct-18		0.0900	<0.0170	<0.0182	<0.0154		**<0.0186**	<0.0206	<0.0530	<0.0198	<0.0210	**<0.0199**	**<0.0130** J3
	MW-58	Oct-19		0.0676	0.0119	0.0105	<0.00307		<0.00372	0.0141 J4	0.407	<0.00396	<0.00419	<0.00398	**<0.00259**
	MW-111	Oct-18		<0.00872	<0.00852	<0.00912	<0.00768		**<0.00930**	<0.0103	<0.0265	<0.00990	<0.0105	**<0.00995**	**<0.00648**
	MW-111	Apr-19		0.00424	<0.000341	0.000668 J	<0.000307		<0.000372	0.000523 J	0.00523	<0.000396	<0.000419	<0.000398	<0.000259
	MW-111	Oct-19		<0.000349	0.000929 J	<0.000365	<0.000307		<0.000372	<0.0103	0.0109	<0.000396	<0.000419	<0.000398	<0.000259
	MW-111	Jun-20		0.00411 J	<0.00435	<0.00313	<0.00295		**<0.00750**	<0.00695	0.0148 J	<0.00373	<0.00295	<0.00475	**<0.00585**
	MW-112	Nov-14		0.100	**0.600**	0.00910 J	<0.00770		**<0.00930**	0.730	**2.00**	<0.00990	<0.0100	**<0.0100**	**<0.00650**
	MW-113	Apr-22		0.00414	0.000466 J	0.00117	<0.000118	<0.00406	<0.000300	0.00128	0.0960	<0.000149	<0.000118	<0.000190	<0.000234
	MW-113	Apr-22	FD	0.00367	0.000520 J	0.00107	<0.000118	<0.00406	<0.000300	0.00121	0.103	<0.000149	<0.000118	<0.000190	<0.000234
	MW-113	Oct-22		0.232	<0.0174	0.0208	<0.000118	0.00870	<0.000300	0.0870	**1.06**	<0.000149	<0.000118	<0.000190	<0.000234
	MW-113	Oct-22	FD	0.245	0.0772	0.0228	<0.000118	<0.00406	<0.000300	0.0964	**1.20**	<0.000149	<0.000118	<0.000190	<0.000234
	MW-113	Mar-23		0.00881	0.000295 J	0.00221	0.000287 J	<0.00406	<0.000300	0.00115	0.0428	<0.000149	<0.000118	<0.000190	<0.000234
	MW-113	Mar-23	FD	0.0115	0.000386 J	0.00298	0.000285 J	<0.00406	<0.000300	0.00133	0.0540	<0.000149	<0.000118	<0.000190	<0.000234
	MW-113	Oct-23		0.249	<0.00870	0.0326 J	<0.00590	**<0.203**	**<0.0150**	0.0641	**0.848**	<0.00745	<0.00590	**<0.00950**	**<0.0117**
	MW-113	Oct-23	FD	0.248	<0.00870	<0.00625	<0.00590	**<0.203**	**<0.0150**	0.0633	**0.826**	<0.00745	<0.00590	**<0.00950**	**<0.0117**
	MW-113	Apr-24		0.00561	<0.000870	0.00186 J	<0.000590	<0.0203	<0.00150	0.00197 J	0.0690	<0.000745	<0.000590	<0.000950	<0.00117
	MW-113	Apr-24	FD	0.00552	0.000310 J	0.00173	<0.000118	<0.00406 J3	<0.000300	0.00132	0.0555	<0.000149	<0.000118	<0.000190	<0.000234
	MW-113	Oct-24		0.205	<0.0174	0.0183 J	<0.0118	**<0.406**	**<0.0300**	0.0624 J	**0.680**	<0.0149	<0.0118	**<0.0190**	**<0.0234**
	MW-113	Oct-24	FD	0.157	<0.00348	0.0167 J	<0.00236	<0.0812	**<0.00600**	0.0534	**0.640**	<0.00298	<0.00236	<0.00380	**<0.00468**
	MW-125	Apr-22		<0.0000993	<0.000174	0.000199 J	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-125	Oct-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-125	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-125	Oct-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-125	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-125	Oct-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-126A	Apr-19		<0.000349	<0.000341	<0.000365	<0.000307		<0.000372	<0.000412	<0.00106	<0.000396	<0.000419	<0.000398	<0.000259
	MW-126A	Oct-19		0.00532	<0.000341	0.00286	<0.000307		<0.000372	0.00168	0.00569	<0.000396	<0.000419	<0.000398	<0.000259
	MW-126A	Jun-20		<0.0000993	<0.000174	<0.000125	<0.000118		<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190 J4	<0.000234
	MW-126A	Oct-20		<0.0000993	<0.000174	<0.000125	<0.000118		<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190 J4	<0.000234
	MW-126B	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-126B	Oct-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-126B	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-126B	Oct-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-126B	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-126B	Oct-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-127	Oct-17		0.0185	0.00373	0.00319	<0.000307		<0.000372	0.0396	0.0482	<0.000396	<0.000419	<0.000398	<0.000259
	MW-127	Apr-18		0.0255	<0.00682	<0.00730	<0.00614		**<0.00744**	0.0424	0.0654	<0.00792	<0.00838	**<0.00796**	**<0.00518**
	MW-127	Oct-18		0.0258	<0.00682	<0.00730	<0.00614		**<0.00744**	0.0397	0.0458 J	<0.00792	<0.00838	**<0.00796**	**<0.00518**
	MW-127	Apr-19		0.0261	<0.00682	<0.00730	<0.00614		**<0.00744**	0.0261	0.0933	<0.00792	<0.00838	**<0.00796**	**<0.00518**
	MW-128	Oct-17		0.00170	<0.000341	0.000380 J	<0.000307		<0.000372	0.000781 J	0.00336	<0.000396	<0.000419	<0.000398	<0.000259
	MW-128	Apr-18		<0.00698	<0.00682	<0.00730	<0.00614		**<0.00744**	<0.00824	<0.0212	<0.00792	<0.00838	**<0.00796**	**<0.00518**
	MW-128	Oct-18		0.00759 J	<0.00682	<0.00730	<0.00614		**<0.00744**	<0.00824	<0.0212	<0.00792	<0.00838	**<0.00796**	**<0.00518**
	MW-128	Apr-19		<0.00698	<0.00682	<0.00730	<0.00614		**<0.00744**	<0.00824	<0.0212	<0.00792	<0.00838	**<0.00796**	**<0.00518**

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Appendix B, Table B.4 - Summary of Groundwater Analytical Data - Volatile Organic Compounds

2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Volatile Organic Compounds											
				Analyte	n-Propyl-benzene	o-Xylene	sec-Butyl-benzene (2-Phenyl-butane)	Styrene	tert-Butyl alcohol (tert-Butanol)	Tetra-chloroethene	Toluene	Total Xylenes	trans-1,2-Dichloroethene	trans-1,3-Dichloro-propene	Tri-chloroethene	Vinyl Chloride
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	0.660	0.193	2.00	0.100	0.150	0.00500	1.00	0.620	0.100	---	0.00500	0.00200
				CGWSL Source:	USEPA TW	WQCC TW	USEPA TW	WQCC HH	USEPA TW	WQCC HH	WQCC HH	WQCC HH	WQCC HH	---	WQCC HH	WQCC HH
Area	Well ID	Date	Dup													
Field East of Refinery	MW-129	Apr-15		0.000956 J	0.00112	0.00102	<0.000310		<0.000370	<0.000780	0.00357	<0.000400	<0.000420	<0.000400	<0.000260
	MW-129	Oct-15		<0.0349	<0.0341	<0.0365	<0.0307		**<0.0372**	<0.0780	<0.106	<0.0396	<0.0419	**<0.0398**	**<0.0259**
	MW-129	Apr-17		<0.000349	<0.000341	0.000928 J	<0.000307		<0.000372	0.000543 J	<0.00106	<0.000396	<0.000419	<0.000398	<0.000259
	MW-129	Apr-18		<0.000349	<0.000341	0.000419 J	<0.000307		<0.000372	0.000816 J	0.00125 J	<0.000396	<0.000419	<0.000398	<0.000259
	MW-130	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-130	Oct-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-130	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-130	Oct-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-130	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190 J4	<0.000234
	MW-130	Oct-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190 J3	<0.000234 J3
	MW-131	Apr-17		0.0338	0.0406	0.00331	<0.000307		<0.000372	0.153	0.114	<0.000396	<0.000419	<0.000398	<0.000259
	MW-131	Oct-17		0.0262	<0.0852	0.00286	<0.000307		<0.000372	0.0627	<0.265	<0.000396	<0.000419	<0.000398	<0.000259
	MW-131	Oct-19		0.0141	**0.312**	0.00315	<0.000307		<0.000372	0.232	**0.993**	<0.000396	<0.000419	<0.000398	<0.000259
	MW-131	Jun-20		0.0121 J	**0.242**	<0.00625	<0.00590		**<0.0150**	0.150	**0.786**	<0.00745	<0.00590	**<0.00950**	**<0.0117**
	MW-133	Nov-14		0.0840 J	0.0380 J	<0.0360	<0.0310		**<0.0370**	0.100 J	0.220 J	<0.0400	<0.0420	**<0.0400**	**<0.0260**
	MW-133	Apr-15		0.0451 J	<0.0340	<0.0360	<0.0310		**<0.0370**	<0.0780	<0.110	<0.0400	<0.0420	**<0.0400**	**<0.0260**
	MW-134	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-134	Apr-22	FD	<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-134	Oct-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-134	Oct-22	FD	<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-134	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-134	Mar-23	FD	<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-134	Oct-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190 J4	<0.000234
	MW-134	Oct-23	FD	<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-134	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-134	Apr-24	FD	<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-134	Oct-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-134	Oct-24	FD	<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190 J3	<0.000234 J3
	MW-135	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-135	Oct-22		0.00119	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-135	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-135	Oct-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-135	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-135	Oct-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-145	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-145	Oct-22		<0.0000993	<0.000174	0.000328 J	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118 J4	<0.000190	<0.000234
	MW-145	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-145	Oct-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-145	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190 J4	<0.000234
	MW-145	Oct-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-146	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-146	Apr-22	FD	<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-146	Oct-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118 J4	<0.000190	<0.000234
	MW-146	Oct-22	FD	<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118 J4	<0.000190	<0.000234
	MW-146	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-146	Mar-23	FD	<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-146	Oct-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-146	Oct-23	FD	<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-146	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190 J4	<0.000234
	MW-146	Apr-24	FD	<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190 J4	<0.000234
	MW-146	Oct-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-146	Oct-24	FD	<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-147	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-147	Oct-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118 J4	<0.000190	<0.000234
	MW-147	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-147	Oct-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-147	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-147	Oct-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-148	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-148	Oct-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118 J4	<0.000190	<0.000234
	MW-148	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-148	Oct-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-148	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-148	Oct-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-151	Oct-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-160	Oct-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190 J3	<0.000234 J3
	MW-161	Oct-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	RA-4196	Oct-19		<0.000349	<0.000341	<0.000365	<0.000307		<0.000372	<0.000412	<0.00106	<0.000396	<0.000419	<0.000398	<0.000259
	RA-4196	Jun-20		<0.0000993	<0.000174	<0.000125	<0.000118		<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	RA-4196	Oct-20		<0.0000993	<0.000174	<0.000125	<0.000118		<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	RA-4196	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	RA-4196R	Oct-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	RA-4196R	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	RA-4196R	Oct-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	RA-4798	Oct-20		<0.0000993	<0.000174	<0.000125	<0.000118		<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	RA-4798	Apr-21		<0.0000993	<0.000174	<0.000125	<0.000118		<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	RA-4798	Sep-21		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	RA-4798	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	RW-12R	Apr-17		0.0809	0.00177 J	0.0104	<0.00154		<0.00186	0.00354 J	0.0257	<0.00198	<0.00210	<0.00199	<0.00130
	RW-12R	Apr-18		0.0634	<0.000341	0.00564	<0.000307		<0.000372	0.00157	0.00648	<0.000396	<0.000419	<0.000398	<0.000259
	RW-12R	Apr-19		0.0279	0.000476 J	0.00360	<0.000307		<0.000372	0.000866 J	0.00643	<0.000396	<0.000419	<0.000398	<0.000259
	RW-12R	Jun-20		0.0304	0.000522 J	0.00414	<0.000118		<0.000300	0.000997 J	0.00605	<0.000149	<0.000118	<0.000190	<0.000234
	RW-13R	Apr-18		0.0319	0.00159	0.00378	<0.000307		<0.000372	0.00322	0.0299	<0.000396	<0.000419	<0.000398	<0.000259
	RW-13R	Mar-23		0.147	0.0988	0.0142 J	<0.00590	**<0.203**	**<0.0150**	0.293	**1.33**	<0.00745	<0.00590	**<0.00950**	**<0.0117**
	RW-18A	Apr-18		<0.000349	<0.000341	<0.000365	<0.000307		<0.000372	<0.000412	<0.00106	<0.000396	<0.000419	<0.000398	<0.000259
	RW-18A	Apr-19		<0.000349	<0.000341	<0.000365	<0.000307		<0.000372	<0.000412	<0.00106	<0.000396	<0.000419	<0.000398	<0.000259
	RW-18A	Jun-20		<0.0000993	<0.000174	<0.000125	<0.000118		<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	RW-18A	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	RW-20	Apr-15		0.0980	0.0590	0.00931 J	<0.00310		<0.00370	0.211	**1.35**	<0.00400	<0.00420	<0.00400	**<0.00260**
	RW-22	Apr-15		0.103	0.0952	0.00967 J	<0.00310		<0.00370	0.216	**0.945**	<0.00400	<0.00420	<0.00400	**<0.00260**

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Appendix B, Table B.4 - Summary of Groundwater Analytical Data - Volatile Organic Compounds

2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Volatile Organic Compounds											
				Analyte	n-Propyl-benzene	o-Xylene	sec-Butyl-benzene (2-Phenyl-butane)	Styrene	tert-Butyl alcohol (tert-Butanol)	Tetra-chloroethene	Toluene	Total Xylenes	trans-1,2-Dichloroethene	trans-1,3-Dichloro-propene	Tri-chloroethene	Vinyl Chloride
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	0.660	0.193	2.00	0.100	0.150	0.00500	1.00	0.620	0.100	---	0.00500	0.00200
				CGWSL Source:	USEPA TW	WQCC TW	USEPA TW	WQCC HH	USEPA TW	WQCC HH	WQCC HH	WQCC HH	WQCC HH	---	WQCC HH	WQCC HH
Area	**Well ID**	**Date**	**Dup**													
NCL	MW-18	Apr-21		<0.0000993	<0.000174	<0.000125	<0.000118		<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-18	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190 J4	<0.000234
	MW-18	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118 J3	<0.000190	<0.000234
	MW-18	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-45	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	0.00568	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-45	Oct-22		<0.0000993	<0.000174	0.000450 J	<0.000118	0.0176	<0.000300	<0.000278	<0.000174	<0.000149	0.000268 JJ4	<0.000190	<0.000234 J3
	MW-45	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-45	Oct-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-45	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-45	Oct-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-53	Apr-15		<0.000350	<0.000340	<0.000360	<0.000310		<0.000370	<0.000780	<0.00110	<0.000400	<0.000420	<0.000400	<0.000260
	MW-53	Apr-17		<0.000349	<0.000341	<0.000365	<0.000307		<0.000372	<0.000412	<0.00106	<0.000396	<0.000419	<0.000398	<0.000259
	MW-53	Apr-18		<0.000349	<0.000341	<0.000365	<0.000307		<0.000372	<0.000412	<0.00106	<0.000396	<0.000419	<0.000398	<0.000259
	MW-53	Apr-19		<0.000349	<0.000341	<0.000365	<0.000307		<0.000372	<0.000412	<0.00106	<0.000396	<0.000419	<0.000398	<0.000259
	MW-53R	Apr-21		<0.0000993	<0.000174	<0.000125	<0.000118		<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-53R	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190 J4	<0.000234
	MW-53R	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118 J3	<0.000190	<0.000234
	MW-53R	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-54A	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190 J4	<0.000234
	MW-54A	Oct-22		<0.0000993	<0.000174	0.000380 J	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118 J4	<0.000190	<0.000234 J3
	MW-54A	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-54A	Oct-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-54A	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-54A	Oct-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234 Q
	MW-54B	Apr-17		<0.000349	<0.000341	<0.000365	<0.000307		<0.000372	<0.000412	<0.00106	<0.000396	<0.000419	<0.000398	<0.000259
	MW-54B	Apr-19		<0.000349 J4	<0.000341	<0.000365	<0.000307		<0.000372	<0.000412	<0.00106	<0.000396	<0.000419	<0.000398	<0.000259
	MW-54B	Apr-21		<0.0000993	<0.000174	<0.000125	<0.000118		<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-54B	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-55	Apr-22		<0.000993	<0.00174	<0.00125	<0.00118	<0.0406	<0.00300	<0.00278	<0.00174	<0.00149	<0.00118	<0.00190 J4	**<0.00234**
	MW-55	Oct-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-55	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	0.111	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118 J3	<0.000190	<0.000234
	MW-55	Oct-23		<0.000993	<0.00174	<0.00125	<0.00118	<0.0406	<0.00300	<0.00278	<0.00174	<0.00149	<0.00118	<0.00190	**<0.00234**
	MW-55	Apr-24		<0.000993	<0.00174	<0.00125	<0.00118	<0.0406	<0.00300	<0.00278	<0.00174	<0.00149	<0.00118	<0.00190	**<0.00234**
	MW-55	Oct-24		<0.000993	<0.00174	<0.00125	<0.00118 J4	<0.0406	<0.00300	<0.00278	<0.00174	<0.00149	<0.00118	<0.00190	**<0.00234**
	MW-56	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-56	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-56	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-56	Oct-24													
	MW-108	Apr-22		0.0187	0.000211 J	0.00558	<0.000118	<0.00406	<0.000300	0.000503 J	0.00407	<0.000149	<0.000118	<0.000190	<0.000234
	MW-108	Oct-22		0.0177	0.000415 J	0.00542	<0.000118	<0.00406	<0.000300	0.000557 J	0.00308	<0.000149	<0.000118 J4	<0.000190	<0.000234 J3
	MW-108	Mar-23		0.0147	0.000278 J	0.00687	<0.000118	<0.00406	<0.000300	0.000628 J	0.00613	<0.000149	<0.000118 J3	<0.000190	<0.000234
	MW-108	Oct-23		0.00696	<0.000174	0.00200	<0.000118	<0.00406	<0.000300	0.000304 J	0.00133 J	<0.000149	<0.000118	<0.000190	<0.000234
	MW-108	Apr-24		0.00634	<0.000174	0.00260	<0.000118	<0.00406	<0.000300	<0.000278	0.000808 J	<0.000149	<0.000118	<0.000190	<0.000234
	MW-108	Oct-24		0.00384	<0.000174	0.00207	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234 Q
	NCL-31	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190 J4	<0.000234
	NCL-31	Oct-22		<0.0000993	<0.000174	0.000405 J	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118 J4	<0.000190	<0.000234 J3
	NCL-31	Mar-23		0.000333 J	<0.000174	0.000205 J	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118 J3	<0.000190	<0.000234
	NCL-31	Oct-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	NCL-31	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	NCL-31	Oct-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234 Q
	NCL-32	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190 J4	<0.000234
	NCL-32	Oct-22		<0.0000993	<0.000174	0.000342 J	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118 J4	<0.000190	<0.000234 J3
	NCL-32	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118 J3	<0.000190	<0.000234
	NCL-32	Oct-23		<0.0000993	0.000375 J	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	0.000945 J	<0.000149	<0.000118	<0.000190	<0.000234
	NCL-32	Apr-24		0.000108 J	0.000268 J	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	0.000959 J	<0.000149	<0.000118	<0.000190	<0.000234
	NCL-32	Oct-24		<0.0000993	0.000291 J	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	0.000807 J	<0.000149	<0.000118	<0.000190	<0.000234
	NCL-33	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	NCL-33	Oct-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118 J4	<0.000190	<0.000234 J3
	NCL-33	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118 J3	<0.000190	<0.000234
	NCL-33	Oct-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	NCL-33	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406 J3	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	NCL-33	Oct-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234 Q
	NCL-34A	Oct-18		0.0768	<0.00341	0.0136	<0.00307		<0.00372	<0.00412	0.0266 J	<0.00396	<0.00419	<0.00398	**<0.00259**
	NCL-34A	Apr-19		0.0780	<0.00682	0.0159 J	<0.00614		**<0.00744**	<0.00824	<0.0212	<0.00792	<0.00838	**<0.00796**	**<0.00518**
	NCL-34A	Oct-19		0.0953	<0.00170	0.0158	<0.00154		<0.00186	<0.00206	0.0175	<0.00198	<0.00209	<0.00199	<0.00130
	NCL-34A	Jun-20		0.0686	<0.00348	0.0164 J	<0.00236		**<0.00600**	<0.00556	0.0335 J	<0.00298	<0.00236	<0.00380	**<0.00468**
	NCL-44	Apr-22		<0.0000993	<0.000174	0.000157 J	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190 J4	<0.000234
	NCL-44	Oct-22		<0.0000993	<0.000174	0.000550 J	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118 J4	<0.000190	<0.000234 J3
	NCL-44	Mar-23		<0.0000993	<0.000174	0.000197 J	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118 J3	<0.000190	<0.000234
	NCL-44	Oct-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	NCL-44	Apr-24		<0.0000993	<0.000174	0.000252 J	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	NCL-44	Oct-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	NCL-49	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190 J4	<0.000234
	NCL-49	Apr-22	FD	<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190 J4	<0.000234
	NCL-49	Oct-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118 J4	<0.000190	<0.000234 J3
	NCL-49	Oct-22	FD	<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118 J4	<0.000190	<0.000234 J3
	NCL-49	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	NCL-49	Mar-23	FD	<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	NCL-49	Oct-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	NCL-49	Oct-23	FD	<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	NCL-49	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	NCL-49	Apr-24	FD	<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	NCL-49	Oct-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234 Q
	NCL-49	Oct-24	FD	<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234 Q
North Refinery	MW-23	Apr-19		0.251 J4	<0.0341	<0.0365	<0.0307		**<0.0372**	<0.0412	<0.106	<0.0396	<0.0419	**<0.0398**	**<0.0259**
	MW-23	Oct-19		0.123	<0.00341	0.0129	<0.00307		<0.00372	<0.00412	<0.0106	<0.00396	<0.00419	<0.00398	**<0.00259**
	MW-23	Jun-20		0.165	<0.00174	0.0132	<0.00118		<0.00300	<0.00278	<0.00174	<0.00149	<0.00118	<0.00190	**<0.00234**
	MW-23	Oct-20		0.153	<0.00174	0.0128	<0.00118		<0.00300	<0.00278	<0.00174	<0.00149	<0.00118	<0.00190 J4	**<0.00234**
	MW-29	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	0.00480 J	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-29	Oct-22		<0.0000993	<0.000174	0.000347 J	<0.000118	0.0155	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118 J4	<0.000190	<0.000234 J3
	MW-29	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	0.0104	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-29	Oct-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-29	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-39	Apr-19		0.0162 J4	0.0196	0.00441	<0.000307		<0.000372	0.00189	0.0550	<0.000396	<0.000419	<0.000398	<0.000259
	MW-39	Oct-19		0.00902	0.0149	0.00293	<0.000307		<0.000372	0.00336 J4	0.0412	<0.000396	<0.000419	<0.000398	<0.000259
	MW-39	Jun-20		0.00630	0.00886	0.00293	<0.000118		<0.000300	0.00195	0.0321	<0.000149	<0.000118	<0.000190 J4	<0.000234
	MW-39	Oct-20		0.00123	0.00588	0.00199	<0.000118		<0.000300	0.000978 J	0.0174	<0.000149	<0.000118	<0.000190 J4	<0.000234
	MW-40	Apr-17		0.00806	<0.000341	0.0167	<0.000307		<0.000372	0.000732 J	0.0117	<0.000396	<0.000419	<0.000398	<0.000259
	MW-40	Apr-18		0.00369	<0.000341	0.0182	<0.000307		<0.000372	0.000543 J	0.00619	<0.000396	<0.000419	<0.000398	<0.000259
	MW-40	Apr-19		0.00305	<0.000341	0.0150	<0.000307		<0.000372	<0.000412	0.00157 J	<0.000396	<0.000419	<0.000398	<0.000259
	MW-40	Jun-20		0.00210	<0.000174	0.0121	<0.000118		<0.000300	0.000363 J	0.00241 J	<0.000149	<0.000118	<0.000190	<0.000234
	MW-41	Apr-18		<0.000349	<0.000341	0.00191	<0.000307		<0.000372	<0.000412	<0.00106	<0.000396	<0.000419	<0.000398	<0.000259
	MW-41	Apr-19		0.000966 J	<0.000341	0.00451	<0.000307		<0.000372	<0.000412	<0.00106	<0.000396	<0.000419	<0.000398	<0.000259
	MW-41	Jun-20		0.00135	<0.000174	0.00196	<0.000118		<0.000300	0.000350 J	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-41	Apr-21		0.00170	<0.000174	0.00140	<0.000118		<0.000300	0.000301 J	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234

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Appendix B, Table B.4 - Summary of Groundwater Analytical Data - Volatile Organic Compounds

2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Volatile Organic Compounds											
				Analyte	n-Propyl-benzene	o-Xylene	sec-Butyl-benzene (2-Phenyl-butane)	Styrene	tert-Butyl alcohol (tert-Butanol)	Tetra-chloroethene	Toluene	Total Xylenes	trans-1,2-Dichloroethene	trans-1,3-Dichloro-propene	Tri-chloroethene	Vinyl Chloride
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	0.660	0.193	2.00	0.100	0.150	0.00500	1.00	0.620	0.100	---	0.00500	0.00200
				CGWSL Source:	USEPA TW	WQCC TW	USEPA TW	WQCC HH	USEPA TW	WQCC HH	WQCC HH	WQCC HH	WQCC HH	---	WQCC HH	WQCC HH
Area	Well ID	Date	Dup													
North Refinery	MW-42	Apr-19		0.00884	<0.00170	0.00496 J	<0.00154		<0.00186	<0.00206	0.0226	<0.00198	<0.00210	<0.00199	<0.00130
	MW-42	Jun-20		0.0107	<0.000870	0.00446 J	<0.000590		<0.00150	0.00172 J	0.0535	<0.000745	<0.000590	<0.000950	<0.00117
	MW-42	Apr-21		0.00361 J	<0.000870	0.00389 J	<0.000590		<0.00150	<0.00139	0.00852 J	<0.000745	<0.000590	<0.000950	<0.00117
	MW-42	Apr-22		0.00796	<0.000870	0.00467 J	<0.000590	0.0669	<0.00150	<0.00139	0.0187	<0.000745	<0.000590	<0.000950	<0.00117
	MW-43	Apr-19		0.102 JJ4	<0.0682	<0.0730	<0.0614		**<0.0744**	<0.0824	**0.744**	<0.0792	<0.0838	**<0.0796**	**<0.0518**
	MW-43	Oct-19		<0.0698	<0.0682	<0.0730	<0.0614		**<0.0744**	<0.0824	0.610	<0.0792	<0.0838	**<0.0796**	**<0.0518**
	MW-43	Jun-20		0.0569	0.00925 J	0.00578 J	<0.00236		**<0.00600** J4	0.0224	**0.712**	<0.00298	<0.00236	<0.00380	**<0.00468**
	MW-43	Oct-20		0.0559	0.0510	<0.00625	<0.00590		**<0.0150**	0.0676	**0.903**	<0.00745	<0.00590	**<0.00950** J4	**<0.0117**
	MW-59	Apr-17		0.000538 J	<0.000341	0.00297	<0.000307		<0.000372	<0.000412	<0.00106	<0.000396	<0.000419	<0.000398	<0.000259
	MW-59	Apr-18		0.00246	<0.000341	0.00348	<0.000307		<0.000372	<0.000412	<0.00106	<0.000396	<0.000419	<0.000398	<0.000259
	MW-59	Apr-19		0.000636 J	<0.000341	0.00301	<0.000307		<0.000372	<0.000412	<0.00106	<0.000396	<0.000419	<0.000398	<0.000259
	MW-59	Jun-20		0.000566 J	<0.000174	0.00133	<0.000118		<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-60	Jun-20		0.000862 J	<0.000174	0.00171	<0.000118		<0.000300	<0.000278	0.00157 J	<0.000149	<0.000118	<0.000190	<0.000234
	MW-60	Jun-20	FD	0.000948 J	<0.000174	0.00163	<0.000118		<0.000300	<0.000278	0.00194 J	<0.000149	<0.000118	<0.000190	<0.000234
	MW-60	Oct-20		0.00120	<0.000174	0.00254	<0.000118		<0.000300	<0.000278	0.00238 J	<0.000149	<0.000118 J4	<0.000190	<0.000234
	MW-60	Oct-20	FD	0.00136	<0.000174	0.00303	<0.000118		<0.000300	<0.000278	0.00224 J	<0.000149	<0.000118	<0.000190	<0.000234
	MW-61	Apr-22		0.126	<0.00870	0.0136 J	<0.00590	**<0.203**	**<0.0150**	0.165	**0.691**	<0.00745	<0.00590	**<0.00950**	**<0.0117**
	MW-61	Oct-22		0.174	<0.00870	0.0294 J	<0.00590	**<0.203**	**<0.0150**	0.201	**0.918**	<0.00745	<0.00590 J4	**<0.00950**	**<0.0117** J3
	MW-61	Mar-23		0.103	<0.00870	0.00995 J	<0.00590	**<0.203**	**<0.0150**	0.125	0.574	<0.00745	<0.00590	**<0.00950**	**<0.0117**
	MW-61	Oct-23		0.136	0.00648 J	0.0123	<0.00118	<0.0406	<0.00300	0.153	**0.817**	<0.00149	<0.00118	<0.00190	**<0.00234**
	MW-61	Apr-24		0.140	0.00882 J	0.0137 J	<0.00236	<0.0812	**<0.00600**	0.164	**0.901**	<0.00298	<0.00236	<0.00380	**<0.00468**
	MW-61	Oct-24		0.0959	0.0109	0.0123	<0.00118	<0.0406	<0.00300	0.138	0.615	<0.00149	<0.00118	<0.00190	**<0.00234**
	MW-62	Oct-20		0.114	0.00538 J	0.00881 J	<0.00236		**<0.00600**	<0.00556	**0.762**	<0.00298	<0.00236	<0.00380 J4	**<0.00468**
	MW-62	Sep-21		0.327	0.0261 J	0.0353 J	<0.00590	**<0.203**	**<0.0150**	0.0236 J	**2.37**	<0.00745	<0.00590	**<0.00950**	**<0.0117**
	MW-62	Apr-22		0.311	0.0196 J	0.0422 J	<0.00590	**<0.203**	**<0.0150**	0.0155 J	**1.79**	<0.00745	<0.00590	**<0.00950**	**<0.0117**
	MW-62	Oct-22		0.192	0.00957 J	0.0326 J	<0.00590	**<0.203**	**<0.0150**	<0.0139	**0.978**	<0.00745	<0.00590 J4	**<0.00950**	**<0.0117** J3
	MW-62R	Apr-21		0.186	<0.00870	0.0215 J	<0.00590		**<0.0150**	<0.0139	<0.00870	<0.00745	<0.00590	**<0.00950**	**<0.0117**
	MW-62R	Apr-22		0.187	<0.00174	0.0209	<0.00118	0.0510	<0.00300	<0.00278	0.0187 J	<0.00149	<0.00118	**0.00996 J**	**<0.00234**
	MW-62R	Mar-23		0.229	<0.0174	<0.0125	<0.0118	**<0.406**	**<0.0300**	<0.0278	<0.0174	<0.0149	<0.0118	**<0.0190**	**<0.0234**
	MW-62R	Apr-24		0.254	0.000712 J	0.0241	<0.000118	0.0302	<0.000300	0.00123	0.0270	<0.000149	<0.000118	<0.000190	<0.000234
	MW-67	Oct-17		0.00976	<0.000341	0.00570	<0.000307		<0.000372	0.00140	0.00245 J	<0.000396	<0.000419	0.000515 J	<0.000259
	MW-67	Apr-18		0.0323	<0.00170	0.00834	<0.00154		<0.00186	0.00261 J	0.00916 J	<0.00198	<0.00210	<0.00199	<0.00130
	MW-67	Oct-18		0.00387	<0.000341	0.00450	<0.000307		<0.000372	<0.000412	0.00113 J	<0.000396	<0.000419	0.000424 J	<0.000259
	MW-67	Apr-19		0.0188 J4	<0.00170	0.00779	<0.00154		<0.00186	<0.00206	<0.00530	<0.00198	<0.00210	<0.00199	<0.00130
	MW-90	Apr-22		0.00441	0.000381 J	0.00663	<0.000118	<0.00406	<0.000300	0.000359 J	0.000381 J	<0.000149	<0.000118	<0.000190	<0.000234
	MW-90	Oct-22		0.00269	0.000280 J	0.00923	<0.000118	<0.00406	<0.000300	0.000385 J	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-90	Mar-23		0.00581 J	<0.00174	0.00656 J	<0.00118	<0.0406	<0.00300	<0.00278	<0.00174	<0.00149	<0.00118	<0.00190	**<0.00234**
	MW-90	Oct-23		0.00285	0.000212 J	0.00634	<0.000118	<0.00406	<0.000300	<0.000278	0.000212 J	<0.000149	<0.000118	<0.000190	<0.000234
	MW-90	Apr-24		0.00716	0.000432 J	0.0104	<0.000118	<0.00406	<0.000300	0.000393 J	0.000432 J	<0.000149	<0.000118	<0.000190	<0.000234
	MW-90	Oct-24		0.00412	<0.000174	0.0102	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234 Q
	MW-91	Oct-18		0.0792 J	0.164	<0.0365	<0.0307		**<0.0372**	**1.24**	**0.716**	<0.0396	<0.0419	**<0.0398**	**<0.0259**
	MW-91	Apr-19		0.104 J4	0.187	<0.0365	<0.0307		**<0.0372**	**1.94**	**0.799**	<0.0396	<0.0419	**<0.0398**	**<0.0259**
	MW-91	Oct-19		0.112	**0.548**	<0.0365	<0.0307		**<0.0372**	**7.07 J4**	**2.12**	<0.0396	<0.0419	**<0.0398**	**<0.0259**
	MW-91	Jun-20		0.114	**0.649**	<0.0125	<0.0118		**<0.0300**	**6.95**	**2.50**	<0.0149	<0.0118	**<0.0190**	**<0.0234**
	MW-93	Apr-17		0.0491	<0.00852	<0.00912	<0.00768		**<0.00930**	<0.0103	0.326	<0.00990	<0.0105	**<0.00995**	**<0.00648**
	MW-93	Apr-18		0.0492	0.00452	0.00564	<0.000307		<0.000372	0.00797	0.336	<0.000396	<0.000419	<0.000398	<0.000259
	MW-93	Apr-19		0.0695 J4	0.00409	0.00716	<0.000307		<0.000372	0.00748	0.303	<0.000396	<0.000419	<0.000398	<0.000259
	MW-93	Jun-20		0.0394	<0.00348	<0.00250	<0.00236		**<0.00600**	0.0123 J	0.296	<0.00298	<0.00236	<0.00380	**<0.00468**
	MW-94	Nov-14		0.130	**0.400**	0.0400	<0.00610		**<0.00740**	0.700	**0.710**	<0.00790	<0.00840	**<0.00800**	**<0.00520**
	MW-94	Oct-15		0.0923	**0.360**	0.0283	<0.00307		<0.00372	0.553	0.574	<0.00396	<0.00419	<0.00398	**<0.00259**
	MW-94	Apr-17		0.0909	**0.292**	0.0317	<0.00768		**<0.00930**	0.435	0.460	<0.00990	<0.0105	**<0.00995**	**<0.00648**
	MW-95	Apr-17		<0.000349	<0.000341	0.00240	<0.000307		<0.000372	<0.000412	<0.00106	<0.000396	<0.000419	<0.000398	<0.000259
	MW-95	Apr-18		0.000352 J	<0.000341	0.00305	<0.000307		<0.000372	<0.000412	<0.00106	<0.000396	<0.000419	<0.000398	<0.000259
	MW-95	Apr-19		<0.000349 J4	<0.000341	0.00239	<0.000307		<0.000372	<0.000412	<0.00106	<0.000396	<0.000419	<0.000398	<0.000259
	MW-95	Jun-20		0.000158 J	<0.000174	0.00247	<0.000118		<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-96	Apr-22		0.0610	<0.00174	0.0104	<0.00118	**4.13**	<0.00300	<0.00278	<0.00174	<0.00149	<0.00118	<0.00190	**<0.00234**
	MW-96	Oct-22		0.0718	<0.00348	0.0126 J	<0.00236	**3.30**	**<0.00600**	<0.00556	<0.00348	<0.00298	<0.00236	<0.00380	**<0.00468**
	MW-96	Mar-23		0.116 J	<0.174	<0.125	**<0.118**	**15.5**	**<0.300**	<0.278	<0.174	**<0.149**	<0.118 J3	**<0.190**	**<0.234**
	MW-96	Oct-23		0.0421	<0.00174	0.00648 J	<0.00118	<0.0406	<0.00300	<0.00278	<0.00174	<0.00149	<0.00118	<0.00190	**<0.00234**
	MW-96	Apr-24		0.0569	0.000638 J	0.00969	<0.000118	**<1.02** J3	<0.000300	0.000829 J	0.00138 J	<0.000149	<0.000118	<0.000190	<0.000234
	MW-96	Oct-24		<0.0993	<0.174	<0.125	**<0.118** J4	**<4.06**	**<0.300**	<0.278	<0.174	**<0.149**	<0.118	**<0.190**	**<0.234**
	MW-98	Apr-22		0.139	0.0282 J	0.0218 J	<0.00590	**<0.203**	**<0.0150**	0.194	**1.69**	<0.00745	<0.00590	**<0.00950**	**<0.0117**
	MW-98	Oct-22		0.117	0.0261 J	0.0245 J	<0.00590	**<0.203**	**<0.0150**	0.181	**1.45**	<0.00745	<0.00590 J4	**<0.00950**	**<0.0117** J3
	MW-98	Mar-23		0.125 J	<0.0348	<0.0250	<0.0236	**<0.812**	**<0.0600**	0.171 J	**1.41**	<0.0298	<0.0236	**<0.0380**	**<0.0468**
	MW-98	Oct-23		0.148	0.0281	0.0134	<0.00118	<0.0406	<0.00300	0.169	**1.38**	<0.00149	<0.00118	<0.00190	**<0.00234**
	MW-98	Apr-24		0.0997	0.0229 J	0.0125 J	<0.00590	**<0.203**	**<0.0150**	0.114	**1.01**	<0.00745	<0.00590	**<0.00950**	**<0.0117**
	MW-98	Oct-24		0.129	0.0237 J	0.0186 J	<0.00590	**<0.203**	**<0.0150**	0.0997	**0.898**	<0.00745	<0.00590	**<0.00950**	**<0.0117**
	MW-137	Oct-17		0.180 J	**0.265**	<0.0730	<0.0614		**<0.0744**	**1.54**	**1.16**	<0.0792	<0.0838	**<0.0796**	**<0.0518**
	MW-137	Apr-18		0.162 J	**0.398**	<0.0730	<0.0614		**<0.0744**	**1.83**	**1.30**	<0.0792	<0.0838	**<0.0796**	**<0.0518**
	MW-137	Oct-18		0.101 J	0.165 J	<0.0730	<0.0614		**<0.0744**	0.977	**0.688**	<0.0792	<0.0838	**<0.0796**	**<0.0518**
	MW-137	Apr-19		0.127 JJ4	**0.274**	<0.0730	<0.0614		**<0.0744**	**1.28**	**0.821**	<0.0792	<0.0838	**<0.0796**	**<0.0518**
	MW-138	Oct-17		0.0697	<0.00170	0.0119	<0.00154		<0.00186	0.00577	0.00565 J	<0.00198	<0.00210	<0.00199	<0.00130
	MW-138	Apr-18		0.0680	0.00541	0.0111	<0.00154		<0.00186	0.0128	0.0492	<0.00198	<0.00210	<0.00199	<0.00130
	MW-138	Oct-18		0.0724	0.00635	0.00906	<0.00154		<0.00186	0.00806	0.115	<0.00198	<0.00210	<0.00199	<0.00130
	MW-138	Apr-19		0.108 J4	0.00315 J	0.0155	<0.00154		<0.00186	0.00480 J	0.100	<0.00198	<0.00210	<0.00199	<0.00130
	MW-157	Oct-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190 J3	<0.000234 J3
	RW-1	Apr-15		0.0175 J	<0.0170	<0.0180	<0.0150		**<0.0190**	<0.0390	<0.0530	<0.0200	<0.0210	**<0.0200**	**<0.0130**
	RW-1	Apr-17		0.00361 J	<0.00341	0.00414 J	<0.00307		<0.00372	0.0102	<0.0106	0.0108	<0.00419	**0.00896 J**	**<0.00259**
	RW-1	Apr-18		0.0336	0.00282	0.00486	<0.000307		0.00413	0.0176	0.0855	0.0173	<0.000419	**0.0169**	0.00131
	RW-1	Apr-19		0.0296 J4	0.00412	0.00418	<0.000307		0.00384	0.0221	0.0844	0.0226	<0.000419	**0.0237**	<0.000259
	RW-2	Apr-15		0.0813	0.0853	0.0120	<0.00310		**<0.0930**	0.115	0.530	<0.00400	<0.00420	**0.0326**	**<0.00260**
	RW-2	Apr-17		0.0816	0.0183 J	<0.0182	<0.0154		**0.0218 J**	0.0430 J	0.431	<0.0198	<0.0210	**0.0249 J**	**<0.0130**
	RW-2	Apr-18		0.104	0.00601	0.0148	<0.000307		0.00335	0.0312	0.446	0.00825	<0.000419	**0.00521**	<0.000259
	RW-2	Mar-23		0.0491	0.0103 J	0.0131 J	<0.00236	<0.0812	**0.102**	0.0248	0.0737	0.0118 J	<0.00236	**0.200**	**0.228**
	RW-7	Apr-17		<0.000349	<0.000341	<0.000365	<0.000307		<0.000372	<0.000412	<0.00106	<0.000396	<0.000419	<0.000398	<0.000259
	RW-7	Apr-18		0.00280	0.00114	0.00386	<0.000307		<0.000372	0.00106	0.00545	<0.000396	<0.000419	<0.000398	<0.000259
	RW-7	Apr-19		0.000916 JJ4	<0.000341	0.00256	<0.000307		<0.000372	<0.000412	<0.00106	<0.000396	<0.000419	<0.000398	<0.000259
	RW-7	Jun-20		0.00235	0.000305 J	0.00389	<0.000118		<0.000300	0.000397 J	0.00240 J	<0.000149	<0.000118	<0.000190	<0.000234
	RW-8	Apr-15		0.00788 J	<0.00340	0.00942 J	<0.00310		<0.00370	<0.00780	<0.0110	<0.00400	<0.00420	<0.00400	**<0.00260**
	RW-8	Apr-17		0.0191	0.0112	0.0117	<0.000307		<0.000372	0.00213	0.0498	<0.000396	<0.000419	0.00110	<0.000259
	RW-9	Apr-21		0.00142	0.000732 J	0.0142	<0.000118		<0.000300	0.000442 J	0.00200 J	<0.000149	<0.000118	<0.000190	<0.000234
	RW-9	Apr-22		0.00540 J	<0.00174	0.0218	<0.00118	<0.0406	<0.00300	<0.00278	<0.00174	<0.00149	<0.00118	<0.00190	**<0.00234**
	RW-9	Mar-23		<0.000993	<0.00174	0.00504 J	<0.00118	**0.165**	<0.00300	<0.00278	<0.00174	<0.00149	<0.00118	<0.00190	**<0.00234**
	RW-9	Apr-24		<0.000993	<0.00174	0.0126	<0.00118	<0.0406	<0.00300	<0.00278	<0.00174	<0.00149	<0.00118	<0.00190	**<0.00234**
	RW-10	Apr-18		<0.000349	0.00346	0.000567 J	<0.000307		<0.000372	0.00163	0.00474	<0.000396	<0.000419	<0.000398	<0.000259
	RW-10	Apr-19		<0.000349	0.00272	<0.000365	<0.000307		<0.000372	0.00135	0.00369	<0.000396	<0.000419	<0.000398	<0.000259
	RW-10	Jun-20		0.000158 J	0.00235	0.000279 J	<0.000118		<0.000300	0.00150	0.00387	<0.000149	<0.000118	<0.000190 J4	<0.000234
	RW-10	Apr-21		0.000395 J	0.0170	0.000615 J	<0.000118		<0.000300	0.0104	0.0200	<0.000149	<0.000118	<0.000190	<0.000234
	RW-16B	Apr-18		<0.000349	<0.000341	<0.000365	<0.000307		<0.000372	<0.000412	<0.00106	<0.000396	<0.000419	<0.000398	<0.000259
	RW-16B	Apr-19		<0.000349	<0.000341	<0.000365	<0.000307		<0.000372	<0.000412	<0.00106	<0.000396	<0.000419	<0.000398	<0.000259
	RW-16B	Jun-20		<0.0000993	0.000377 J	<0.000125	<0.000118		<0.000300	0.000428 J	0.00125 J	<0.000149	<0.000118	<0.000190	<0.000234
	RW-16B	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	RW-17A	Apr-18		<0.000349	<0.000341	<0.000365	<0.000307		<0.000372	<0.000412	<0.00106	<0.000396	<0.000419	<0.000398	<0.000259
	RW-17A	Apr-19		<0.000349	<0.000341	<0.000365	<0.000307		<0.000372	<0.000412	<0.00106	<0.000396	<0.000419	<0.000398	<0.000259
	RW-17A	Jun-20		<0.0000993	<0.000174	<0.000125	<0.000118		<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	RW-17A	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234

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Appendix B, Table B.4 - Summary of Groundwater Analytical Data - Volatile Organic Compounds

2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Volatile Organic Compounds											
				Analyte	n-Propyl-benzene	o-Xylene	sec-Butyl-benzene (2-Phenyl-butane)	Styrene	tert-Butyl alcohol (tert-Butanol)	Tetra-chloroethene	Toluene	Total Xylenes	trans-1,2-Dichloroethene	trans-1,3-Dichloro-propene	Tri-chloroethene	Vinyl Chloride
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	0.660	0.193	2.00	0.100	0.150	0.00500	1.00	0.620	0.100	---	0.00500	0.00200
				CGWSL Source:	USEPA TW	WQCC TW	USEPA TW	WQCC HH	USEPA TW	WQCC HH	WQCC HH	WQCC HH	WQCC HH	---	WQCC HH	WQCC HH
Area	**Well ID**	**Date**	**Dup**													
North RO Field	MW-117	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-117	Oct-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-117	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-117	Oct-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-117	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-117	Oct-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-118	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-118	Oct-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-118	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-118	Oct-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-118	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-118	Oct-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-119	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-119	Oct-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-119	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-119	Oct-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-119	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-119	Oct-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-140	Mar-23													
	MW-140	Oct-23													
	MW-140	Apr-24													
	MW-140	Oct-24													
	MW-141	Mar-23													
	MW-141	Oct-23													
	MW-141	Apr-24													
	MW-141	Oct-24													
	MW-142	Mar-23													
	MW-142	Oct-23													
	MW-142	Apr-24													
	MW-142	Oct-24													
	MW-143	Mar-23													
	MW-143	Oct-23													
	MW-143	Apr-24													
	MW-143	Oct-24													
	MW-162	Oct-24													
South Refinery	KWB-2R	Oct-19		0.101	0.00608	0.00857	0.00348		<0.000372	0.0140 J4	0.115	<0.000396	<0.000419	<0.000398	<0.000259
	KWB-2R	Mar-23		0.0247	0.00137 J	0.0102	<0.000590	<0.0203	<0.00150	<0.00139	0.0132 J	<0.000745	<0.000590	<0.000950	<0.00117
	KWB-2R	Oct-23		0.00179 J	<0.000870	0.00131 J	<0.000590	<0.0203	<0.00150	<0.00139	0.00219 J	<0.000745	<0.000590	<0.000950	<0.00117
	KWB-2R	Apr-24		0.00127	0.000290 J	0.000829 J	<0.000118	<0.00406 J3	<0.000300	<0.000278	0.000879 J	<0.000149	<0.000118	<0.000190	<0.000234
	KWB-5	Oct-17		0.0134	<0.0852	0.00202	<0.000307		<0.000372	0.00156	<0.265	<0.000396	<0.000419	<0.000398	<0.000259
	KWB-5	Apr-18		<0.0872	<0.0852	<0.0912	<0.0768		**<0.0930**	<0.103	<0.265	<0.0990	<0.105	**<0.0995**	**<0.0648**
	KWB-5	Oct-18		<0.0872	<0.0852	<0.0912	<0.0768		**<0.0930**	<0.103	<0.265	<0.0990	<0.105	**<0.0995**	**<0.0648**
	KWB-5	Apr-19		<0.0872	<0.0852	<0.0912	<0.0768		**<0.0930**	<0.103	<0.265	<0.0990	<0.105	**<0.0995**	**<0.0648**
	KWB-6	Apr-17		0.0737	0.0179	0.00695	<0.00154		<0.00186	0.0205	0.391	<0.00198	<0.00210	<0.00199	<0.00130
	KWB-6	Oct-17		0.0386	0.00804	0.00483	<0.000307		<0.000372	0.0122	0.283	<0.000396	<0.000419	<0.000398	<0.000259
	KWB-6	Apr-18		0.0486	0.0350	<0.00730	<0.00614		**<0.00744**	0.00879 J	0.258	<0.00792	<0.00838	**<0.00796**	**<0.00518**
	KWB-6	Oct-18		0.0234	0.0234	<0.00730	<0.00614		**<0.00744**	0.0126 J	0.379	<0.00792	<0.00838	**<0.00796**	**<0.00518** J3
	MW-28	Apr-19		0.0457 J	<0.0170	<0.0182	<0.0154		**<0.0186**	0.0272 J	0.140 J	<0.0198	<0.0210	**<0.0199**	**<0.0130**
	MW-28	Oct-19		0.0947	<0.0170	<0.0183	<0.0154		**<0.0186**	0.0384 J	0.264	<0.0198	<0.0209	**<0.0199**	**<0.0130**
	MW-28	Jun-20		0.0241	0.00154 J	0.00221 J	<0.000590		<0.00150 J4	0.0126	0.0916	<0.000745	<0.000590	<0.000950	<0.00117
	MW-28	Oct-20		0.0182	0.00171 J	0.00171 J	<0.000590		<0.00150	0.00882	0.0626	<0.000745	<0.000590 J4	<0.000950	<0.00117
	MW-48	Apr-18		0.118 J	<0.0852	<0.0912	<0.0768		**<0.0930**	**1.02**	**0.955**	<0.0990	<0.105	**<0.0995**	**<0.0648**
	MW-48	Oct-18		0.145 J	<0.0852	<0.0912	<0.0768		**<0.0930**	<0.103	0.358 J	<0.0990	<0.105	**<0.0995**	**<0.0648** J3
	MW-48	Apr-19		0.177 J	<0.0852	<0.0912	<0.0768		**<0.0930**	0.152 J	0.498 J	<0.0990	<0.105	**<0.0995**	**<0.0648**
	MW-48	Oct-19		0.0908 J	<0.0852	<0.0913	<0.0768		**<0.0930**	0.138 J	0.290 J	<0.0990	<0.105	**<0.0995**	**<0.0648**
	MW-50	Apr-22		<0.0000993	<0.000174	0.000288 J	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-50	Oct-22		<0.0000993	<0.000174	0.000129 J	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-50	Mar-23		<0.0000993	<0.000174	0.000333 J	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-50	Oct-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-50	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-50	Oct-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-52	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-52	Oct-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-52	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-52	Oct-23		0.000483 J	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	0.00181 J	<0.000149	<0.000118	<0.000190	<0.000234
	MW-52	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-52	Oct-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-64	Apr-22		0.0663	**1.43**	<0.00313	<0.00295	**3.09**	**<0.00750**	**12.4**	**5.01**	<0.00373	<0.00295	<0.00475	**<0.00585**
	MW-64	Oct-22		0.0745 J	**1.05**	0.0916 J	0.0392 J	**2.90**	**<0.0750**	**9.56**	**4.17**	<0.0373	<0.0295 J4	**<0.0475**	**<0.0585**
	MW-64	Mar-23		<0.0497	**1.52**	<0.0625	<0.0590	**2.28 J**	**<0.150**	**13.4**	**5.39**	<0.0745	<0.0590	**<0.0950**	**<0.117**
	MW-64	Oct-23		0.0917 J	**1.21**	<0.0125	<0.0118	**2.10**	**<0.0300**	**8.92**	**5.28**	<0.0149	<0.0118	**<0.0190**	**<0.0234**
	MW-64	Apr-24		0.153 J	**1.42**	<0.0625	<0.0590	**2.40 J**	**<0.150**	**9.52**	**6.09**	<0.0745	<0.0590	**<0.0950**	**<0.117**
	MW-64	Oct-24		0.0764 J	**0.946**	<0.0625	<0.0590	**<2.03**	**<0.150**	**7.40**	**4.39**	<0.0745	<0.0590	**<0.0950**	**<0.117**
	MW-65	Oct-19		0.0971 J	<0.0341	<0.0365	<0.0307		**<0.0372**	<0.0412	<0.106	<0.0396	<0.0419	**<0.0398**	**<0.0259**
	MW-65	Mar-23		0.0913	0.00313	0.0106	<0.000118	**4.90**	<0.000300	0.00820	0.00756	<0.000149	<0.000118 J3	<0.000190	<0.000234
	MW-65	Oct-23		0.0655	<0.00435	0.00928 J	<0.00295	**0.540**	**<0.00750**	0.00944 J	<0.00435	<0.00373	<0.00295	<0.00475	**<0.00585**
	MW-65	Apr-24		0.0372	<0.00435	0.00789 J	<0.00295	**1.10**	**<0.00750**	0.00803 J	<0.00435	<0.00373	<0.00295	<0.00475	**<0.00585**
	MW-66	Oct-19		0.0693	<0.00852	0.00932 J	<0.00768		**<0.00930**	<0.0103	<0.0265	<0.00990	<0.0105	**<0.00995**	**<0.00648**
	MW-66	Jun-20		0.0851	0.00239	0.00857	<0.000118		<0.000300	0.00581	0.0145	<0.000149	<0.000118	<0.000190	<0.000234
	MW-66	Oct-20		0.0513	0.00183 J	0.00634 J	<0.00118		<0.00300	0.00445 J	0.00787 J	<0.00149	<0.00118 J4	<0.00190	**<0.00234**
	MW-66	Apr-21		0.0447	0.00451 J	0.00711 J	<0.00118		<0.00300	0.0129	0.0268 J	<0.00149	<0.00118	<0.00190	**<0.00234**
	MW-99	Oct-18		0.101	<0.0341	<0.0365	<0.0307		**<0.0372**	<0.0412	0.358	<0.0396	<0.0419	**<0.0398**	**<0.0259** J3
	MW-99	Apr-19		0.0620 J	<0.0341	<0.0365	<0.0307		**<0.0372**	<0.0412	0.379	<0.0396	<0.0419	**<0.0398**	**<0.0259**
	MW-99	Oct-19		0.0512 J	<0.0341	<0.0365	<0.0307		**<0.0372**	<0.0412	0.218 J	<0.0396	<0.0419	**<0.0398**	**<0.0259**
	MW-99	Jun-20		0.0249	0.00630 J	0.00426 J	<0.00118		<0.00300	0.00330 J	0.0784	<0.00149	<0.00118	<0.00190	**<0.00234**
	MW-101	Apr-22		0.00481	<0.000174	0.00269	<0.000118	0.114	<0.000300	0.00114	0.00122 J	<0.000149	<0.000118	<0.000190	<0.000234
	MW-101	Oct-22		0.0159	0.000380 J	0.00372	<0.000118	0.108	<0.000300	0.00260	0.0168	<0.000149	0.000229 JJ4	<0.000190	<0.000234 J3
	MW-101	Mar-23		0.0312	<0.00174	0.00531 J	<0.00118	0.0606	<0.00300	0.0130	0.168	<0.00149	<0.00118	<0.00190	**<0.00234**
	MW-101	Oct-23		0.00552	<0.000174	0.00256	<0.000118	0.0358	<0.000300	<0.000278	0.000966 J	<0.000149	<0.000118	<0.000190	<0.000234
	MW-101	Apr-24		0.00392	<0.000174	0.00177	<0.000118	0.0297	<0.000300	<0.000278	0.000445 J	<0.000149	<0.000118	<0.000190	<0.000234
	MW-101	Oct-24		0.00663	0.000387 J	0.00310	<0.000118	0.0179	<0.000300	0.00761	0.0268	<0.000149	<0.000118	<0.000190	<0.000234
	MW-102	Apr-22		0.0680	0.0672	0.0160 J	<0.00590	**<0.203**	**<0.0150**	0.338 J	0.480	<0.00745	<0.00590	**<0.00950**	**<0.0117**
	MW-102	Apr-22	FD	0.0600	0.0565	0.0117 J	<0.00295	**0.316**	**<0.00750**	0.407	0.454	<0.00373	<0.00295	<0.00475	**<0.00585**
	MW-102	Oct-22		0.0654 J	<0.0435	<0.0313	<0.0295	**<1.02**	**<0.0750**	0.404	**0.692 J**	<0.0373	<0.0295	**<0.0475**	**<0.0585**
	MW-102	Oct-22	FD	0.0635 J	<0.0435	<0.0313	<0.0295	**<1.02**	**<0.0750**	0.405	**0.643 J**	<0.0373	<0.0295	**<0.0475**	**<0.0585**
	MW-102	Mar-23		0.0686 J	<0.0348	<0.0250	<0.0236	**<0.812**	**<0.0600**	0.403	0.535 J	<0.0298	<0.0236	**<0.0380**	**<0.0468**
	MW-102	Mar-23	FD	0.0572 J	0.0301 J	<0.0125	<0.0118	**<0.406**	**<0.0300**	0.383	0.515	<0.0149	<0.0118	**<0.0190**	**<0.0234**
	MW-102	Oct-23		0.0543	0.0246	0.0112	<0.000118	<0.00406	<0.000300	0.318	0.567	<0.000149	<0.000118	<0.000190	<0.000234
	MW-102	Oct-23	FD	0.0511 J	<0.0435	<0.0313	<0.0295	**<1.02**	**<0.0750**	0.333	0.476 J	<0.0373	<0.0295	**<0.0475**	**<0.0585**
	MW-102	Apr-24		0.0645	0.0497	0.0130	<0.00118	<0.0406	<0.00300	0.396	**0.669**	<0.00149	<0.00118	<0.00190	**<0.00234**
	MW-102	Apr-24	FD	0.0467	0.0482	0.00878 J	<0.00118	**0.301**	<0.00300	0.294	0.479	<0.00149	<0.00118	<0.00190	**<0.00234**
	MW-102	Oct-24		<0.0248	<0.0435	<0.0313	<0.0295	**<1.02**	**<0.0750**	0.507	0.539 J	<0.0373	<0.0295	**<0.0475**	**<0.0585**
	MW-102	Oct-24	FD	0.0636 J	<0.0435	0.0593 J	<0.0295	**<1.02**	**<0.0750**	0.632	0.569 J	<0.0373	<0.0295	**<0.0475**	**<0.0585**
	MW-103	Apr-21		0.0356	0.00571 J	0.00417 J	<0.00236		**<0.00600**	0.0113 J	0.00571 J	<0.00298	<0.00236	<0.00380	**<0.00468**
	MW-103	Apr-22		0.0318	<0.00174	0.00549 J	<0.00118	**0.192**	<0.00300	0.00847 J	<0.00174	<0.00149	<0.00118	<0.00190	**<0.00234**
	MW-103	Mar-23		0.0301	<0.00174	0.00394 J	<0.00118	0.0974	<0.00300	0.00654 J	0.00441 J	<0.00149	<0.00118	<0.00190	**<0.00234**
	MW-103	Apr-24		0.0302	<0.00174	0.00399 J	<0.00118	0.0934	<0.00300	0.00593 J	<0.00174	<0.00149	<0.00118	<0.00190	**<0.00234**
	MW-104	Apr-22		0.00230	<0.000174	0.0389	<0.000118	0.00515	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-104	Oct-22		0.00304	<0.000174	0.0464	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118 J4	<0.000190	<0.000234
	MW-104	Mar-23		0.00228	<0.000174	0.0384	<0.000118	0.00411 J	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-104	Oct-23		0.00481	<0.000174	0.0386	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-104	Apr-24		0.0160	<0.000174	0.0382	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-104	Oct-24		0.0333	<0.000174	0.0358	<0.000118	<0.00406	<0.000300	0.000817 J	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234

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Appendix B, Table B.4 - Summary of Groundwater Analytical Data - Volatile Organic Compounds

2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Volatile Organic Compounds											
				Analyte	n-Propyl-benzene	o-Xylene	sec-Butyl-benzene (2-Phenyl-butane)	Styrene	tert-Butyl alcohol (tert-Butanol)	Tetra-chloroethene	Toluene	Total Xylenes	trans-1,2-Dichloroethene	trans-1,3-Dichloro-propene	Tri-chloroethene	Vinyl Chloride
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	0.660	0.193	2.00	0.100	0.150	0.00500	1.00	0.620	0.100	---	0.00500	0.00200
				CGWSL Source:	USEPA TW	WQCC TW	USEPA TW	WQCC HH	USEPA TW	WQCC HH	WQCC HH	WQCC HH	WQCC HH	---	WQCC HH	WQCC HH
Area	**Well ID**	**Date**	**Dup**													
South Refinery	MW-105	Apr-22		0.0346	<0.00435	0.00747 J	<0.00295	<0.102	**<0.00750**	0.0125 J	0.191	<0.00373	<0.00295	<0.00475	**<0.00585**
	MW-105	Oct-22		0.0409 J	<0.0174	0.0426 J	<0.0118	**<0.406**	**<0.0300**	<0.0278	0.148 J	<0.0149	<0.0118 J4	**<0.0190**	**<0.0234** J3
	MW-105	Mar-23		0.0324 J	<0.0174	<0.0125	<0.0118	**<0.406**	**<0.0300**	<0.0278	0.0927 J	<0.0149	<0.0118	**<0.0190**	**<0.0234**
	MW-105	Oct-23		0.0218	0.00106 J	0.00579	<0.000590	<0.0203	<0.00150	0.00149 J	0.0708	<0.000745	<0.000590	<0.000950	<0.00117
	MW-105	Apr-24		0.0387	0.00211 J	0.00814 J	<0.00118	0.0699	<0.00300	0.00412 J	0.101	<0.00149	<0.00118	<0.00190	**<0.00234**
	MW-105	Oct-24		0.0342	0.00247 J	0.00902	<0.000590	0.0333	<0.00150	0.00532	0.132	<0.000745	<0.000590	<0.000950	<0.00117
	MW-106	Apr-21		0.0498 J	<0.0348	<0.0250	<0.0236		**<0.0600**	0.289	0.245 J	<0.0298	<0.0236	**<0.0380**	**<0.0468**
	MW-106	Oct-23		0.0140	0.00687 J	0.00272 J	<0.00118	<0.0406	<0.00300	0.0404	0.0631	<0.00149	<0.00118	<0.00190	**<0.00234**
	MW-106	Apr-24		0.0408	0.0742	0.00531 J	<0.00295	<0.102	**<0.00750**	0.798	0.289	<0.00373	<0.00295	<0.00475	**<0.00585**
	MW-106	Oct-24		<0.0497	<0.0870	<0.0625	<0.0590	**<2.03**	**<0.150**	0.763	<0.0870	<0.0745	<0.0590	**<0.0950** J3	**<0.117** J3
	MW-107	Oct-15		0.0689 J	0.0431 J	<0.0365	<0.0307		**<0.0372**	<0.0780	0.130 J	<0.0396	<0.0419	**<0.0398**	**<0.0259**
	MW-107	Apr-17		0.0528	<0.0170	<0.0182	<0.0154		**<0.0186**	<0.0206	<0.0530	<0.0198	<0.0210	**<0.0199**	**<0.0130**
	MW-107	Apr-18		0.0857	0.00279	0.00830	<0.000307		<0.000372	0.0142	0.0159	<0.000396	<0.000419	<0.000398	<0.000259
	MW-107	Apr-19		<0.0872	<0.0852	<0.0912	<0.0768		**<0.0930**	<0.103	<0.265	<0.0990	<0.105	**<0.0995**	**<0.0648**
	MW-109	Apr-22		0.0682	0.000388 J	0.00843	<0.000118	0.0281	<0.000300	0.0203	0.0177	<0.000149	<0.000118	<0.000190	<0.000234
	MW-109	Oct-22		0.0600	<0.00435	0.00747 J	<0.00295	<0.102	**<0.00750**	0.0124 J	<0.00435	<0.00373	<0.00295	<0.00475	**<0.00585**
	MW-109	Mar-23		0.0385 J	<0.00870	<0.00625	<0.00590	**<0.203**	**<0.0150**	<0.0139	<0.00870	<0.00745	<0.00590	**<0.00950**	**<0.0117**
	MW-109	Oct-23		0.0371	<0.00435	0.00319 J	<0.00295	<0.102	**<0.00750**	0.0112 J	<0.00435	<0.00373	<0.00295	<0.00475	**<0.00585**
	MW-109	Apr-24		0.0510	<0.00435	0.00610 J	<0.00295	<0.102	**<0.00750**	0.0175 J	<0.00435	<0.00373	<0.00295	<0.00475	**<0.00585**
	MW-109	Oct-24		0.0596	<0.000174	0.00689	<0.000118	0.0590	<0.000300	0.0114	0.00767	<0.000149	<0.000118	<0.000190	<0.000234
	MW-110	Apr-22		0.0169	0.000570 J	0.00337	<0.000118	0.0168	<0.000300	0.00337	0.0705	<0.000149	<0.000118	<0.000190	<0.000234
	MW-110	Oct-22		0.000809 J	<0.000174	0.00566	<0.000118	0.00650	<0.000300	<0.000278	0.00132 J	<0.000149	<0.000118	<0.000190	<0.000234
	MW-110	Mar-23		0.000236 J	<0.000174	0.00334	<0.000118	0.00524	<0.000300	<0.000278	0.000521 J	<0.000149	<0.000118	<0.000190	<0.000234
	MW-110	Oct-23		0.000439 J	<0.000174	0.00213	<0.000118	0.00705	<0.000300	<0.000278	0.000586 J	<0.000149	<0.000118	<0.000190	<0.000234
	MW-110	Apr-24		0.000440 J	<0.000174	0.00155	<0.000118	0.00813	<0.000300	<0.000278	0.000557 J	<0.000149	<0.000118	<0.000190	<0.000234
	MW-110	Oct-24		0.00116	<0.000174	0.00211	<0.000118	0.00827	<0.000300	<0.000278	0.000908 J	<0.000149	<0.000118	<0.000190	<0.000234
	MW-139	Apr-22		0.000454 J	<0.000174	0.00299	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-139	Oct-22		0.000192 J	<0.000174	0.00521	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-139	Mar-23		<0.0000993	<0.000174	0.00272	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-139	Oct-23		0.000221 J	<0.000174	0.00291	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-139	Apr-24		<0.0000993	<0.000174	0.00201	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-139	Oct-24		<0.0000993	<0.000174	0.000994 J	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-158	Oct-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190 J3	<0.000234 J3
	MW-159	Oct-24		0.000862 J	<0.000174	0.000477 J	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190 J3	<0.000234 J3
	RA-313	Apr-21		<0.0000993	<0.000174	<0.000125	<0.000118		<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	RA-313	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	RA-313	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	RA-313	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	RW-4	Jun-20		0.00881	0.00105	0.00611	<0.000118		<0.000300	0.00557	0.00375	<0.000149	<0.000118	<0.000190	<0.000234
	RW-4	Apr-22		0.0331	0.000508 J	0.00942	<0.000118	0.0142	<0.000300	0.00223	0.00449	<0.000149	<0.000118	<0.000190	<0.000234
	RW-4	Mar-23		0.0162	0.000333 J	0.00560	<0.000118	0.0106	<0.000300	0.00111	0.00362	<0.000149	<0.000118	<0.000190	<0.000234
	RW-4	Apr-24		0.0340	0.000509 J	0.00919	<0.000118	0.0157	<0.000300	0.00122	0.0156	<0.000149	<0.000118	<0.000190	<0.000234
	RW-5R	Apr-15		0.0598	**0.522**	0.00691 J	<0.00310		<0.00370	**2.26**	**1.91**	<0.00400	<0.00420	<0.00400	**<0.00260**
	RW-6	Apr-18		0.0329	0.0570	0.0148	<0.000307		<0.000372	0.448	0.150	<0.000396	<0.000419	<0.000398	<0.000259
	RW-6	Apr-19		0.0308	0.00804 J	0.0141 J	<0.00614		**<0.00744**	0.0211	0.0304 J	<0.00792	<0.00838	**<0.00796**	**<0.00518**
	RW-6	Mar-23		0.0352	**0.378**	0.0135 J	<0.00295	**0.449**	**<0.00750**	**2.78**	**1.31**	<0.00373	<0.00295 J3	<0.00475	**<0.00585**
	RW-6	Apr-24		0.000664 J	0.000330 J	0.000622 J	<0.000118	<0.00406	<0.000300	0.000870 J	0.00130 J	<0.000149	<0.000118	<0.000190	<0.000234
	RW-15C	Apr-17		0.296	**0.472**	0.0194 J	<0.00768		**<0.00930**	0.172	**5.39**	<0.00990	<0.0105	**<0.00995**	**<0.00648**
	RW-15C	Apr-18		0.190	0.0285	0.0114	<0.000307		<0.000372	0.111	**3.01**	<0.000396	<0.000419	<0.000398	<0.000259
	RW-15C	Apr-19		0.215	0.00812 J	0.0148	<0.00307		<0.00372	0.0871	**1.05**	<0.00396	<0.00419	<0.00398	**<0.00259**
	RW-19	Apr-24		0.108	0.154	0.0140 J	<0.00236	**1.63**	**<0.00600**	0.0286	**0.811**	<0.00298	<0.00236	<0.00380 J4	**<0.00468**
South RO Field	MW-114	Apr-22		0.000414 J	<0.000174	0.00423	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-114	Oct-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-114	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	0.00493 J	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-114	Oct-23		<0.0000993	<0.000174	0.000448 J	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-114	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-114	Oct-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-115	Apr-22		<0.000993	<0.00174	<0.00125	<0.00118	<0.0406	<0.00300	<0.00278	<0.00174	<0.00149	<0.00118	<0.00190	**<0.00234**
	MW-115	Oct-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-115	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	0.00574	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-115	Oct-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-115	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-115	Oct-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-116	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-116	Oct-22		<0.0000993	<0.000174	0.000475 J	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118 J4	<0.000190	<0.000234
	MW-116	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-116	Apr-24		0.000128 J	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-116	Oct-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-144	Mar-23													
	MW-144	Oct-23													
	MW-144	Apr-24													
	MW-144	Oct-24													
	MW-163	Oct-24													
TEL	MW-49	Apr-22		0.0381	0.00125 J	0.00610	<0.000590	0.0466	<0.00150	0.00334 J	0.0882	<0.000745	<0.000590	<0.000950	<0.00117
	MW-49	Oct-22		0.0451	0.00131	0.00621	<0.000118	0.0443	<0.000300	0.00564	0.108	<0.000149	<0.000118 J4	<0.000190	**0.00213 J3**
	MW-49	Mar-23		0.0489	<0.00174	0.00696 J	<0.00118	<0.0406	<0.00300	0.00354 J	0.101	<0.00149	<0.00118	<0.00190	**<0.00234**
	MW-49	Oct-23		0.0799	0.00331 J	0.0122	<0.00118	<0.0406	<0.00300	0.0294	0.254	<0.00149	<0.00118	<0.00190	**<0.00234**
	MW-49	Apr-24		0.0637	0.00420 J	0.00743 J	<0.00118	<0.0406	<0.00300	0.0401	0.277	<0.00149	<0.00118	<0.00190	**<0.00234**
	MW-49	Oct-24		0.0452	<0.00174	0.00595 J	<0.00118	<0.0406	<0.00300	0.00523 J	0.117	<0.00149	<0.00118	<0.00190	**<0.00234**
	TEL-1	Oct-18		<0.00174	<0.00170	<0.00182	<0.00154		<0.00186	<0.00206	<0.00530	<0.00198	<0.00210	<0.00199	<0.00130
	TEL-1	Apr-19		<0.000349	0.00126	0.000516 J	<0.000307		<0.000372	0.000600 J	0.00126 J	<0.000396	<0.000419	<0.000398	<0.000259
	TEL-1	Oct-19		<0.000349	0.00196	0.000685 J	<0.000307		<0.000372	0.000961 J	0.00284 J	<0.000396	<0.000419	<0.000398	<0.000259
	TEL-1	Jun-20		0.000241 J	0.00155	0.000692 J	<0.000118		<0.000300	0.000961 J	0.00294 J	<0.000149	<0.000118	<0.000190	<0.000234
	TEL-2	Oct-18		0.0429	<0.00852	<0.00912	<0.00768		**<0.00930**	0.0209 J	0.123	<0.00990	<0.0105	**<0.00995**	**<0.00648**
	TEL-2	Apr-19		0.0223	<0.00341	0.00395 J	<0.00307		<0.00372	0.0113	0.0843	<0.00396	<0.00419	<0.00398	**<0.00259**
	TEL-2	Oct-19		0.0242	<0.00341	<0.00365	<0.00307		<0.00372	0.00920 J	0.0638	<0.00396	<0.00419	<0.00398	**<0.00259**
	TEL-2	Jun-20		0.0150	<0.00174	0.00313 J	<0.00118		<0.00300	0.00510 J	0.0489	<0.00149	<0.00118	<0.00190	**<0.00234**
	TEL-3	Apr-18		0.00998	0.00313	0.0117	<0.000307		<0.000372	0.00394	0.0219	<0.000396	<0.000419	<0.000398	<0.000259
	TEL-3	Apr-19		0.0115	0.00165	0.00962	<0.000307		<0.000372	0.00166	0.00882	<0.000396	<0.000419	<0.000398	<0.000259
	TEL-3	Oct-19		0.0154	0.00191	0.00654	<0.000307		<0.000372	0.00150	0.0142	<0.000396	<0.000419	<0.000398	<0.000259
	TEL-3	Oct-20		0.0255	0.00640	0.00749	<0.000118		<0.000300	0.00449	0.0505	<0.000149	<0.000118	<0.000190 J4	<0.000234
	TEL-4	Apr-22		0.00171	0.000260 J	0.00826	<0.000118	0.0366	<0.000300	0.000648 J	0.00126 J	<0.000149	<0.000118	<0.000190	<0.000234
	TEL-4	Apr-22	FD	0.00361 J	<0.000870	0.00813	<0.000590	0.0496	<0.00150	<0.00139	<0.000870	<0.000745	<0.000590	<0.000950	<0.00117
	TEL-4	Oct-22		0.00232	0.000188 J	0.00928	<0.000118	0.0702	<0.000300	0.000573 J	0.00190 J	<0.000149	0.000393 JJ4	<0.000190	<0.000234 J3
	TEL-4	Oct-22	FD	0.00235	0.000178 J	0.00930	<0.000118	0.0579	<0.000300	0.000466 J	0.00206 J	<0.000149	0.000446 JJ4	<0.000190	<0.000234 J3
	TEL-4	Mar-23		<0.00199	<0.00348	0.00673 J	<0.00236	<0.0812	**<0.00600**	<0.00556	<0.00348	<0.00298	<0.00236	<0.00380	**<0.00468**
	TEL-4	Mar-23	FD	<0.00199	<0.00348	0.00695 J	<0.00236	<0.0812	**<0.00600**	<0.00556	<0.00348	<0.00298	<0.00236	<0.00380	**<0.00468**
	TEL-4	Oct-23		0.00159	<0.000174	0.0100	<0.000118	0.0196	<0.000300	0.000331 J	0.000497 J	<0.000149	<0.000118	<0.000190	<0.000234
	TEL-4	Oct-23	FD	0.00201	<0.000174	0.0103	<0.000118	0.0179	<0.000300	0.000383 J	0.000596 J	<0.000149	<0.000118	<0.000190	<0.000234
	TEL-4	Apr-24		0.00407	0.000214 J	0.0109	<0.000118	0.0100	<0.000300	<0.000278	0.000882 J	<0.000149	<0.000118	<0.000190	<0.000234
	TEL-4	Apr-24	FD	0.00395	<0.000174	0.0110	<0.000118	0.0111	<0.000300	0.000359 J	0.000683 J	<0.000149	<0.000118	<0.000190	<0.000234
	TEL-4	Oct-24		0.00261	<0.000174	0.00868	<0.000118	0.00669	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	TEL-4	Oct-24	FD	0.00274	<0.000174	0.00976	<0.000118	0.00799	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234

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Appendix B, Table B.4 - Summary of Groundwater Analytical Data - Volatile Organic Compounds

2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Volatile Organic Compounds											
				Analyte	n-Propyl-benzene	o-Xylene	sec-Butyl-benzene (2-Phenyl-butane)	Styrene	tert-Butyl alcohol (tert-Butanol)	Tetra-chloroethene	Toluene	Total Xylenes	trans-1,2-Dichloroethene	trans-1,3-Dichloro-propene	Tri-chloroethene	Vinyl Chloride
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	0.660	0.193	2.00	0.100	0.150	0.00500	1.00	0.620	0.100	---	0.00500	0.00200
				CGWSL Source:	USEPA TW	WQCC TW	USEPA TW	WQCC HH	USEPA TW	WQCC HH	WQCC HH	WQCC HH	WQCC HH	---	WQCC HH	WQCC HH
Area	**Well ID**	**Date**	**Dup**													
Three Mile Ditch	MW-8	Apr-21		<0.0000993	<0.000174	<0.000125	<0.000118		<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-8	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-8	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-8	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	0.0161	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-16	Apr-21		<0.0000993	<0.000174	<0.000125	<0.000118		<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-16	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-16	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-16	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-20	Apr-21		<0.0000993	<0.000174	<0.000125	<0.000118		<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-20	Apr-22		0.000568 J	<0.000174	0.000268 J	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-20	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-20	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-21	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-21	Oct-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-21	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	0.0166	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-21	Oct-23		<0.000497	<0.000870	<0.000625	<0.000590	<0.0203	<0.00150	<0.00139	<0.000870	<0.000745	<0.000590	<0.000950 J4	<0.00117
	MW-21	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-21	Oct-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-25	Apr-21		<0.0000993	<0.000174	<0.000125	<0.000118		<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-25	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-25	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-25	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-26	Apr-21		<0.0000993	<0.000174	<0.000125	<0.000118		<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-26	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-26	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-26	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-27	Apr-21		<0.0000993	<0.000174	<0.000125	<0.000118		<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-27	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-27	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-27	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-46R	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-46R	Oct-22		<0.0000993	<0.000174	0.000347 J	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118 J4	<0.000190	<0.000234
	MW-46R	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-46R	Oct-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-46R	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-46R	Oct-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-68	Apr-21		<0.0000993	<0.000174	<0.000125	<0.000118		<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-68	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-68	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-68	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-71	Apr-21		<0.0000993	<0.000174	<0.000125	<0.000118		<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-71	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-71	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-71	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-89	Apr-21		<0.0000993	0.000241 J	<0.000125	<0.000118		<0.000300	<0.000278	0.000241 J	<0.000149	<0.000118	<0.000190	<0.000234
	MW-89	Apr-22		<0.0000993	0.000579 J	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	0.000579 J	<0.000149	<0.000118	<0.000190	<0.000234
	MW-89	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	MW-89	Apr-24		<0.0000993	0.000218 J	<0.000125	<0.000118	<0.00406 J3	0.000324 J	<0.000278	0.000218 J	<0.000149	<0.000118	<0.000190	<0.000234
	MW-152	Oct-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190 J3	<0.000234 J3
	MW-153	Oct-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190 J3	<0.000234 J3
	MW-154	Oct-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190 J3	<0.000234 J3
	MW-155	Oct-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190 J3	<0.000234 J3
	MW-156	Oct-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190 J3	<0.000234 J3
	NP-1	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	0.00750	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	NP-1	Oct-22		<0.00199	<0.00348	<0.00250	<0.00236	<0.0812	**<0.00600**	<0.00556	<0.00348	<0.00298	<0.00236	<0.00380	**<0.00468**
	NP-1	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	NP-1	Oct-23		<0.00199	<0.00348	<0.00250	<0.00236	<0.0812	**<0.00600**	<0.00556	<0.00348	<0.00298	<0.00236	<0.00380 J4	**<0.00468**
	NP-1	Apr-24		<0.00199	<0.00348	<0.00250	<0.00236	<0.0812	**<0.00600**	<0.00556	<0.00348	<0.00298	<0.00236	<0.00380	**<0.00468**
	NP-1	Oct-24		<0.00199	<0.00348	<0.00250	<0.00236	<0.0812	**<0.00600**	<0.00556	<0.00348	<0.00298	<0.00236	<0.00380	**<0.00468**
	NP-6	Apr-17		<0.000349	<0.000341	<0.000365	<0.000307		<0.000372	<0.000412	<0.00106	<0.000396	<0.000419	<0.000398	<0.000259
	NP-6	Apr-19		<0.000349	<0.000341	<0.000365	<0.000307		<0.000372	<0.000412	<0.00106	<0.000396	<0.000419	<0.000398	<0.000259
	NP-6	Apr-21		<0.0000993	<0.000174	<0.000125	<0.000118		<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	NP-6	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
Upgradient	UG-1	Apr-21		<0.0000993	<0.000174	<0.000125	<0.000118		<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	UG-1	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	UG-1	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	UG-1	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	UG-2	Apr-21		<0.0000993	<0.000174	<0.000125	<0.000118		<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	UG-2	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	UG-2	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	UG-2	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	UG-3R	Apr-21		<0.0000993	<0.000174	<0.000125	<0.000118		<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	UG-3R	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	UG-3R	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	UG-3R	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	UG-4	Apr-21		<0.0000993	<0.000174	<0.000125	<0.000118		<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	UG-4	Apr-22		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	UG-4	Mar-23		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234
	UG-4	Apr-24		<0.0000993	<0.000174	<0.000125	<0.000118	<0.00406	<0.000300	<0.000278	<0.000174	<0.000149	<0.000118	<0.000190	<0.000234

Definitions

X	Reported concentration, X, exceeds the CGWSL.
X	Analyte detected above the detection limit at a concentration equal to X.
<x	Analyte not detected at detection limit equal to x.
<x	Analyte not detected at detection limit equal to x, but x exceeds the CGWSL.
	Blank cell indicates a sample was collected from the well during the indicated sampling event, but the analyte was not analyzed.
---	No applicable CGWSL.

Abbreviations

CGWSL	Critical Groundwater Screening Level (see Table 3)
CGWSL Source	Source for CGWSL value (see Table 3)
Dup	Duplicate sample
FD	Field duplicate sample
mg/L	Milligrams per Liter
NMED TW	NMED Risk Assessment Guidance for Site Investigations and Remediation, November 2022, Table A-1, Tap Water Screening Level
USEPA TW	United States Environmental Protection Agency Tap Water Screening Level, "Regional Screening Levels (RSL) Summary Table", November 2022
USEPA MCL	United States Environmental Protection Agency Maximum Contaminant Level, "Regional Screening Levels (RSL) Summary Table", November 2022
WQCC Dom	NMED Groundwater standard for domestic exposure, 20.6.2.3103.B NMAC
WQCC HH	NMED Groundwater standard for human health exposure, 20.6.2.3103.A NMAC

Lab Footnote

B	Analyte was also detected in the associated method blank.
J	Indicates an estimated value.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
Q	Sample was prepared and/or analyzed past recommended holding time.
V3	Internal standard exhibited poor recovery due to sample matrix interference; analytical result biased high.

Note - Irrigation well RA-4196R was installed in June 2022 to replace both irrigation wells RA-4196 and RA-4798 which were plugged and abandoned in April 2023.

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Appendix B, Table B.5 - Summary of Groundwater Analytical Data - Water Quality and Cyanide

2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Water Quality Parameters										Cyanide
				Analyte	Calcium	Chloride	Fluoride	Nitrate	Nitrate/Nitrite	Nitrite	Potassium	Sodium	Sulfate	TDS	Cyanide
				CAS	7440-70-2	16887-00-6	16984-48-8	14797-55-8	NO3NO2	14797-65-0	7440-09-7	7440-23-5	14808-79-8	TDS	57-12-5
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	--	250	1.60	10.0	10.0	1.00	--	--	600	1000	0.200
				CGWSL Source	--	WQCC Dom	WQCC HH	WQCC HH	WQCC HH	WQCC HH	--	--	WQCC Dom	WQCC Dom	WQCC HH
Area	**Well ID**	**Date**	**Dup**												
Cross-Gradient	KWB-13	Apr-21		660	128	0.689		**16.1 V**		3.54	181	**2090**	**3610**	<0.00180
	KWB-13	Apr-22		493	133	1.15 J		**15.7**		1.06 J	179	**2350**	**3540**	<0.00180
	KWB-13	Mar-23		519	118	1.36 JB	**13.4**		<0.420	1.12 J	150	**1860**	**2910**	<0.00900
	KWB-13	Apr-24		574	98.9	<6.40	**19.5**		<0.420	1.09 J	148	**2400**	**3210**	<0.0180
	MW-136	Apr-22		528	**337**	**1.86**		**12.0**		2.33	108	**1940**	**3560**	<0.00180
	MW-136	Oct-22		549	**319**	1.36		**10.8**		2.12	102	**1650**	**2630**	<0.00180
	MW-136	Mar-23		520	**320**	1.48 J	9.58 Q		<0.420	2.09	96.7	**1660**	**3390**	<0.00360
	MW-136	Oct-23		537	**305**	1.25 J	9.24		<0.420	2.18	87.0	**1540**	**2810**	<0.00360
	MW-136	Oct-24		563	**304**	1.14	**15.1 Q**		<3.97 Q	2.10	84.7	**1600**	**2890**	0.0218 J
	MW-149	Oct-23		484	148	<0.640	**16.7**		<0.420	0.824 J	271	**2060**	**4070**	
	MW-149	Apr-24		476	142	1.54	**28.0**		<0.420	0.479 J	262	**2300**	**3500**	
	MW-149	Oct-24		523 O1V	129	0.775	**18.2 Q**		<3.97 Q	1.39 J	236 O1V	**2120**	**3540**	
	MW-150	Oct-23		517	141	<0.640	2.13		<0.420	0.726 J	174	**2150**	**3330**	
	MW-150	Apr-24		502	131	<6.40	7.14		<0.420	0.557 J	178	**2600**	**3420**	
	MW-150	Oct-24		487	142	0.499 J	9.16 Q		<3.97 Q	1.04 J	170	**2280**	**3540**	
	NP-5	Apr-17		514	**444**	**1.63**		2.22		0.422 J	212	**3770**	**4810**	
	NP-5	Apr-19		529	**310**	**2.16**		1.06		0.320 J	206	**3370**	**5240**	
	NP-5	Apr-21		529	**253**	**2.49**		0.721		0.258 J	226	**3320**	**5410**	
	NP-5	Mar-23		488	206	**2.18**	0.642 J		<0.420	0.328 J	229	**2850**	**5660**	
	RA-3156	Apr-19		83.5	**807**	0.751		1.50		0.679 J	87.0	**1650**	**3240**	
	RA-3156	Jun-20		180	**280**	0.313		<0.0500		2.62	97.8	**603**	**1250**	
	RA-3156	Apr-21		338	**533**	0.587		0.0923 J		2.49	268	**1340**	**2970**	
	RA-3156	Apr-22		457	**1110**	0.716		0.0633 J		3.40	643	**1590**	**4080**	
Evaporation Ponds	MW-1R	Apr-21		418	**1000**	0.706		1.88		3.48	704	**1430**	**3030**	
	MW-1R	Apr-22		473	**1160**	0.835		0.0763 J		3.80	662	**1730**	**4250**	
	MW-1R	Mar-23		413	**1000**	1.35 JB	<0.480		0.594 J	3.45	629	**1570**	**4380**	
	MW-1R	Apr-24		586	**1310**	0.941 J	0.935 JB		**3.95 B**	4.10	740	**1830**	**4490**	
	MW-2A	Apr-22		534	**3530**	1.18		0.0701 J		4.11	2440	**4710**	**11900 Q**	
	MW-2A	Oct-22		606	**3480**	**2.49**		0.111		4.99 J	2620	**4050**	**10900**	
	MW-2A	Mar-23		624	**4210**	**2.70**	0.750 J		<0.420	4.22	3110	**4780**	**15300**	
	MW-2A	Oct-23		577	**3150**	1.47 J	1.47		<0.420	5.14	2120	**3160**	**11100 Q**	
	MW-2A	Apr-24		628	**3610**	**1.93**	<0.480		<0.420	4.29	2970	**4460**	**12300**	
	MW-2A	Oct-24		567	**2710**	**2.45**	<0.884 Q		<0.794 Q	4.15	2330	**4070**	**10400**	
	MW-3	Apr-22		532	**1360**	**1.92**		<0.0500		5.29	879	**2140**	**5100 Q**	
	MW-3	Apr-22	FD	497	**1380**	**1.92**		<0.0500		5.00	814	**2190**	**4730 Q**	
	MW-3	Oct-22		602	**1480**	**2.01**		0.266		6.35 J	908	**2340**	**3970**	
	MW-3	Oct-22	FD	603	**1500**	**1.99**		0.288		6.25 J	889	**2350**	**4720**	
	MW-3	Mar-23		638	**1750**	**1.83 J**	<0.960 Q		<0.840 Q	5.35	1040	**2230**	**5850**	
	MW-3	Mar-23	FD	637	**1740**	**2.22**	2.08 Q		<0.420 Q	5.46	1050	**1930**	**4680**	
	MW-3	Oct-23		667	**1770**	**2.06**	<0.480		<0.420	7.04	1030	**2220**	**4660**	
	MW-3	Oct-23	FD	647	**1760**	**1.94**	1.45		<0.420	6.96	1070	**2100**	**5640**	
	MW-3	Apr-24		562	**1380**	**2.16**	0.979 JB		0.851 JB	5.51	922	**1930**	**5480**	
	MW-3	Apr-24	FD	386	**1250**	**2.16**	0.899 JB		**1.22 B**	3.10	1340	**1870**	**5030**	
	MW-3	Oct-24		543	**1430**	**2.70**	<0.884 Q		<0.794 Q	7.55	1020	**2500**	**5700**	
	MW-3	Oct-24	FD	539	**1440**	**2.21**	1.04		<0.0794	8.06	1120	**2020**	**5630**	
	MW-4A	Apr-22		394	**1410**	**2.40**		<0.0500		4.95	883	**1830**	**4810 Q**	
	MW-4A	Oct-22		391	**1350 V**	**2.23**		<0.0500		6.02 J	888	**1840 V**	**3890**	
	MW-4A	Mar-23		390	**1310**	**2.83**	<0.480 Q[R]		<0.420 Q[R]	4.62	971	**1700**	**4090 J3**	
	MW-4A	Oct-23		397	**1240**	**2.08**	<0.480		<0.420	5.58	898	**1620**	**3840**	
	MW-4A	Apr-24		383	**1300**	0.272 B	0.957 JB		0.877 JB	4.85	968	**1790**	**3090**	
	MW-4A	Oct-24		410	**1220**	**2.15**	0.828		<0.0794	5.84	859	**1730**	**4840**	
	MW-4B	Apr-17		360	**1330**	0.985		<0.0197		2.55	758	**1410**	**3690**	
	MW-4B	Apr-19		442	**1320**	0.775		<0.0197		2.50	703	**1430**	**4370**	
	MW-4B	Apr-21		406	**1130**	0.835		<0.0500		2.51	748	**1300**	**3310**	
	MW-4B	Mar-23		385	**1120**	1.43 JB	<0.480		0.685 J	2.84	665	**1310**	**3680**	
	MW-5A	Apr-22		396	**2850**	**4.06**		<0.0500		7.53	2980	**5440**	**11000 Q**	
	MW-5A	Oct-22		490	**2890**	**3.92**		<0.0500		4.87 J	3120	**7580**	**12800**	
	MW-5A	Mar-23		416	**3230**	**4.24**	<0.480		<0.420	5.54	3060	**6110**	**15200**	
	MW-5A	Oct-23		387	**2140**	**4.11**	<0.480		<0.420	9.29	2010	**3940**	**9640 Q**	
	MW-5A	Apr-24		428	**2540**	**3.99**	**76.8**		<0.420	8.36 J	2630	**4980**	**8220**	
	MW-5A	Oct-24		418	**2370**	**3.95**	2.92		<0.397	8.51	2420	**4650**	**10600**	
	MW-5B	Apr-17		420	**1560**	**1.73**		0.0210 J		9.18	1650	**2590**	**6290**	
	MW-5B	Apr-19		389	**1530**	**1.70**		<0.0197		9.69	1490	**2660**	**6370**	
	MW-5B	Apr-21		359	**524**	1.05		<0.0500		3.74	431	**1370**	**2930**	
	MW-5B	Mar-23		358	**1290**	**2.21**	<0.480		<0.420	9.69	1270	**2250**	**6160**	
	MW-5C	Apr-17		383	**576**	0.971		<0.0197		3.90	500	**1740**	**3110**	
	MW-5C	Apr-19		390	**591**	0.896		<0.0197		4.11	450	**1540**	**3200**	
	MW-5C	Apr-21		379	**1360**	**2.06**		<0.0500		10.5	1420	**2380**	**5050**	
	MW-5C	Mar-23		357	**578**	1.57 B	<0.480		0.460 J	3.74	439	**1410**	**2820 J3**	
	MW-6A	Apr-21		297	**647**	**1.67**		0.0885 J		1.24 J	697	**1450**	**3070**	
	MW-6A	Apr-22		301	**710**	**2.13**		<0.0500		1.35 J	673	**1730**	**3660**	
	MW-6A	Mar-23		361	**578**	**1.77**	<0.480		0.649 J	1.17 J	636	**1900**	**4020**	
	MW-6A	Apr-24		298	**721**	**2.18**	<0.480		<0.420	1.20 J	634	**1580**	**2990**	
	MW-6B	Apr-17		418	**1250**	0.694		<0.197		3.97	738	**1730**	**4150**	
	MW-6B	Apr-19		462	**1140**	0.519		<0.0197		4.45 O1	682	**1460**	**4190**	
	MW-6B	Apr-21		462	**970**	0.614		0.289		4.71	651	**1330**	**6950**	
	MW-6B	Mar-23		539	**1420 V**	0.848 J	<0.480		0.644 JJ6	5.66	760	**1670 V**	**4640**	
	MW-7A	Apr-22		335 V	**2010**	**1.71**		0.0793 J		3.58	1340	**2470**	**6060 Q**	
	MW-7A	Apr-22	FD	339	**2000**	**1.72**		0.0694 J		3.71	1610	**2450**	**4820 Q**	
	MW-7A	Oct-22		425	**2450**	1.40 J		0.170		3.07 J	1680	**3160**	**4020**	
	MW-7A	Oct-22	FD	405	**2530**	1.45 J		0.141		4.07 J	1620	**3270**	**3680**	
	MW-7A	Mar-23		363	**1950**	1.40 J	<0.480		<0.420	3.41	1410	**2230**	**7590**	
	MW-7A	Mar-23	FD	359	**2090**	1.26 J	<0.480		<0.420	3.48	1460	**2370**	**7080**	
	MW-7A	Oct-23		371	**1750**	1.49 J	<0.480 Q[R]		<0.420 Q[R]	3.84	1310	**2240**	**5100**	
	MW-7A	Oct-23	FD	365	**1710**	1.47 J	<0.480 Q[R]		<0.420 Q[R]	3.85	1330	**2100**	**4490**	
	MW-7A	Apr-24		347	**1800**	**2.18**	<0.480		<0.420	3.54	1360	**2160**	**5180**	
	MW-7A	Apr-24	FD	362	**1810**	1.37 J	<0.480		<0.420	3.73	1440	**2320**	**5290**	
	MW-7A	Oct-24		351	**1820**	1.15	2.01 Q		<0.0794	3.92	1390	**2140**	**6220**	
	MW-7A	Oct-24	FD	353	**1840**	1.16	1.07		<0.0794	3.83	1400	**2100**	**6440**	
	MW-7B	Apr-17		530	**1060**	0.966		0.0670 J		6.71	652	**1750**	**4720**	
	MW-7B	Apr-19		581	**1100**	0.823		<0.0197		6.70	581	**1910**	**4760**	
	MW-7B	Apr-21		562	**1030**	0.881		<0.0500		6.66	561	**1800**	**3430**	
	MW-7B	Mar-23		524	**1080**	0.788 J	<0.480		<0.420	8.17	576	**1720**	**3980**	
	MW-10	Apr-22		442	**1380**	1.27 J		<0.0500		3.40	971	**1890**	**4630 Q**	
	MW-10	Oct-22		651	**2320**	1.35 J		<0.0500		2.54 J	1410	**2950**	**6340**	
	MW-10	Mar-23		406	**1290**	1.44 JB	0.666 JBQ		<0.420 Q	3.05	956	**1770**	**5460**	
	MW-10	Oct-23		411	**1340 T8**	0.860 JT8	<0.480 T8[R]		<0.420 T8[R]	3.23	945	**1670 T8**	**4450 Q**	
	MW-10	Apr-24		400	**1280**	1.12 J	<0.480		<0.420	3.40	986	**1660**	**4760**	
	MW-10	Oct-24		412	**1310**	0.947 J	<0.884 Q		<0.794 Q	3.32	995	**1910**	**4750**	

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Appendix B, Table B.5 - Summary of Groundwater Analytical Data - Water Quality and Cyanide

2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Water Quality Parameters										Cyanide
				Analyte	Calcium	Chloride	Fluoride	Nitrate	Nitrate/Nitrite	Nitrite	Potassium	Sodium	Sulfate	TDS	Cyanide
				CAS	7440-70-2	16887-00-6	16984-48-8	14797-55-8	NO3NO2	14797-65-0	7440-09-7	7440-23-5	14808-79-8	TDS	57-12-5
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	--	250	1.60	10.0	10.0	1.00	--	--	600	1000	0.200
				CGWSL Source	--	WQCC Dom	WQCC HH	WQCC HH	WQCC HH	WQCC HH	--	--	WQCC Dom	WQCC Dom	WQCC HH
Area	**Well ID**	**Date**	**Dup**												
Evaporation Ponds	MW-11A	Apr-22		1050	**8990**	<0.0640		0.693		18.1	4570	**3480**	**19000** Q	
	MW-11A	Oct-22		956	**8600**	0.882 J		<0.0500		18.2 J	4330	**3560**	**15000**	
	MW-11A	Mar-23		1110 V	**8720**	0.997 J	1.93 Q		<0.420 Q	18.1 J	4840 V	**2920**	**15400**	
	MW-11A	Oct-23		985	**7150**	0.868 J	1.39		<0.420	18.5	4070	**2870**	**15300**	
	MW-11A	Apr-24		874	<3.79	1.05 J	0.999 J		<0.420	16.4	3920	**3130**	**13700**	
	MW-11A	Oct-24		973	**7350**	1.07 J	<8.84		**11.8**	18.6	4670	**3270**	**16900**	
	MW-11B	Apr-17		979	**6050**	0.825		<0.197		35.2	3660	**2890**	**14000**	
	MW-11B	Apr-19		935	**6410**	0.899		<0.197		32.2	3410	**3340**	**11600**	
	MW-11B	Apr-21		966	**6020**	0.829		<0.0500		34.1	3850	**3110**	**12800**	
	MW-11B	Mar-23		861	**5930**	0.816 J	1.25 BQ		<0.420 Q	29.4	3360	**2950**	**11600**	
	MW-15	Apr-21		581	**1220**	1.39		5.18		5.39	738	**1660**	**3490**	
	MW-15	Apr-22		650	**1500**	**3.53**		2.91		6.09	841	**2190**	**5410**	
	MW-15	Mar-23		587	**1390**	**2.85 B**	4.21 Q		0.845 JQ	4.89	822	**1910**	**5030**	
	MW-15	Apr-24		515	**1160**	**2.13**	1.71 B		**3.40 B**	5.02	655	**1620**	**3590**	
	MW-18A	Apr-22		618	**5400**	1.20		<0.0500		36.1	3100	**5730**	**16500** Q	<0.00180
	MW-18A	Oct-22		646	**5580**	**2.73**		<0.0500		36.9	3410	**5700**	**13800**	<0.00180
	MW-18A	Mar-23		629	**4990**	**2.47**	<0.480		<0.420	36.8	3400	**4860**	**16700**	<0.00180
	MW-18A	Oct-23		647	**5570**	**2.46**	1.18		<0.420	39.1	3480	**4950**	**20900**	<0.00180
	MW-18A	Apr-24		678	**5850**	**2.70**	1.05 B		1.00 B	40.3	3690	**5600**	**14900**	<0.00180
	MW-18A	Oct-24		701	**6030**	**2.39**	6.68 Q		<0.397	43.5	4160	**5510**	**18100**	<0.00180
	MW-18B	Apr-17		576	**860**	0.797		<0.0197		5.91	481	**2070**	**4080**	
	MW-18B	Apr-19		807	**919**	0.727		<0.0197		8.43	506	**2030**	**4690**	
	MW-18B	Apr-21		612	**821**	0.802		<0.0500		6.66	534	**1790**	**4350**	
	MW-18B	Mar-23		550	**849**	0.984 J	<0.480		<0.420	5.64	460	**1840**	**3730**	
	MW-22A	Apr-22		488	**3570**	**1.62**		<0.0500		4.15	2190	**3380**	**9440** Q	
	MW-22A	Apr-22	FD	452	**3590**	1.58		<0.0500		4.01	2710	**3400**	**9980** Q	
	MW-22A	Oct-22		769	**13400**	**2.48**		1.55		6.19 J	7210	**8620**	**25900**	
	MW-22A	Oct-22	FD	767	**13600**	**2.49**		1.55		7.17 J	7270	**8740**	**25800**	
	MW-22A	Mar-23		740	**10900**	**2.28**	3.50 Q		<0.420 Q	5.90	6960	**6190**	**20100**	
	MW-22A	Mar-23	FD	725	**10300**	**2.51**	<0.480 Q		<0.420 Q	5.82	6340	**6360**	**22000**	
	MW-22A	Oct-23		397	**1800** T8	0.863 JT8	<0.480 T8[R]		<0.420 T8[R]	3.19	1440	**1920** T8	**4020**	
	MW-22A	Oct-23	FD	387	**1560**	1.08 J	<0.480 Q[R]		<0.420 Q[R]	3.12	1300	**1680**	**5620** Q	
	MW-22A	Apr-24		437	**1610**	1.29 J	1.01 B		0.713 JB	3.35	1570	**1870**	**4730**	
	MW-22A	Apr-24	FD	383	**1570**	1.28 J	0.871 JB		0.685 JB	3.18	1340	**1830**	**5720**	
	MW-22A	Oct-24		361	**1600**	0.871 J	<0.884 Q		<0.794 Q	6.71	1250	**1960**	**5460**	
	MW-22A	Oct-24	FD	361	**1600**	0.860 J	<0.884 Q		<0.794 Q	3.14	1270	**1980**	**5470**	
	MW-22B	Apr-17		396	**1400**	0.771		0.408 J		4.15	1150	**2080**	**5670**	
	MW-22B	Apr-19		414	**1300**	0.818		<0.197		4.30	985	**2170**	**5480**	
	MW-22B	Apr-21		420	**1190**	0.677		<0.0500		3.99	1080	**1830**	**4760**	
	MW-22B	Mar-23		409	**1250**	1.28 JB	0.783 JBQ		<0.420 Q	3.83	1060	**2030**	**8660**	
	MW-70	Apr-22		668	**1440**	1.08 J		<0.0500		4.92	753	**2500**	**5830** Q	
	MW-70	Oct-22												
	MW-70	Mar-23		650	**1250**	<0.640	<0.480		<0.420	4.79	751	**2130**	**4660**	
	MW-70	Oct-23												
	MW-70	Apr-24		693	**1230**	0.826 J	0.817 JB		0.956 JB	5.05	737	**1840**	**5650**	
	MW-70	Oct-24												
	MW-72	Apr-21		651	**2490**	**5.61**		4.22		6.98	1740	**2360**	**5940**	
	MW-72	Apr-22		663	**2830**	**4.88**		2.70		6.55	1470	**2610**	**8200** Q	
	MW-72	Mar-23		723	**2920**	**5.68 B**	1.93		**1.47**	6.32	1590	**2530**	**8740**	
	MW-72	Apr-24		765	**3110**	**5.77**	<0.480		<0.420	6.32	1920	**2600**	**8800**	
	MW-73	Apr-21		609	**3100**	**1.83**		0.371		2.46	2590	**4570**	**9400**	
	MW-73	Apr-22		575	**2660**	1.30		0.374		2.46	2110	**3800**	**9780** Q	
	MW-73	Mar-23		607	**2380**	**2.26**	<0.480		<0.420	2.82	2200	**3280**	**8440**	
	MW-73	Apr-24		610	**2730**	**1.70**	1.54 B		**1.13 B**	3.05 J	2430	**3670**	**7340** Q	
	MW-74	Apr-22		563	**2000**	**6.38**		2.90		26.6	1740	**3660**	**8120** Q	
	MW-74	Oct-22		543	**1960**	**7.82**				28.1	1870	**3220**	**4200**	
	MW-74	Mar-23		552	**1910**	**8.56**	4.32		<0.420	30.3	1860	**3360**	**7040**	
	MW-74	Oct-23		553	**1790**	**6.22**	<0.480 Q		<0.420 Q	25.3	1790	**2550**	858 Q	
	MW-74	Apr-24		536	**1900**	**7.62**	**29.0**		<0.420	25.3	1990	**3160**	**5860** Q	
	MW-74	Oct-24		553 V	**2100**	**8.04**	<0.884 Q		<0.794 Q	24.6	1970	**3930**	**8240**	
	MW-75	Apr-22		384	**1570**	**7.45**		1.87		18.3	1290	**2100**	**5560** Q	
	MW-75	Oct-22		364	**1390**	**7.02**		<0.0500		15.4 J	1360	**2070**	**3580**	
	MW-75	Mar-23		361	**1450**	**7.64**	<0.960 Q[R]		<0.840 Q[R]	17.6	1390	**1910**	**4680**	
	MW-75	Oct-23		372	**1390**	**6.99**	1.56		<0.420	18.4	1260	**1830**	**4730**	
	MW-75	Apr-24		378	**1350**	**7.12**	<0.480		<0.420	16.9	1250	**1840**	**5650**	
	MW-75	Oct-24		374	**1340**	**7.87**	<0.884 Q		<0.794 Q	18.1	1320	**2240**	**5710**	
	MW-76	Apr-22		438	**1260**	**3.19**		0.0893 J		25.4	954	**2130**	**4870** Q	
	MW-76	Oct-22		464	**1240**	**3.71**		<0.0500		26.0	926	**2040**	**5050**	
	MW-76	Mar-23		423	**1180**	**3.50**	<0.960 Q[R]		<0.840 Q[R]	23.1	927	**1930**	**3080**	
	MW-76	Oct-23		423	**1170**	**2.74**	1.43		<0.420	24.8	836	**1710**	**3900**	
	MW-76	Apr-24		436	**1140**	**3.26**	<0.480		<0.420	22.2	856	**1880**	**4580**	
	MW-76	Oct-24		422	**1150**	**3.24**	<0.884 Q		<0.794 Q	21.9	857	**1880**	**4770**	
	MW-77	Apr-21		495	**514**	**3.61**		<0.0500		65.9	1060	**3200**	**5240**	
	MW-77	Apr-22		505	**353**	**10.3**		1.17		52.2	876	**4350**	**6030**	
	MW-77	Mar-23		444	**459**	**11.5**	<0.480 Q[R]		<0.420 Q[R]	37.5	778	**2840**	**5000**	
	MW-77	Apr-24		475	**435**	**8.81**	<0.480		<0.420	50.4	847	**3210**	**6720**	
	MW-78	Apr-21		319	**317**	**14.8**		8.33		17.8	365	**1410**	**3480**	
	MW-78	Apr-22		321	183	**17.0**		2.68		15.6	208	**1700**	**2500** J3	
	MW-78	Mar-23		301	96.5	**18.4**	1.60 Q		<0.420 Q	13.0	147	**1460**	**2740**	
	MW-78	Apr-24		262	**273 V**	**13.1 J6**	4.65 J6		<0.210 P1	15.5	328	**1260**	**2620**	
	MW-79	Apr-22		590 O1V	**1680**	**5.68**		2.25		6.52	1000	**2160**	**5910** Q	
	MW-79	Oct-22		514	**1430**	**5.25**		0.902		5.88 J	966	**1830**	**3910**	
	MW-79	Mar-23		571	**1540**	**5.86 B**	1.83 BQ		<0.420 Q	6.54	945	**2050**	**5140**	
	MW-79	Oct-23		632	**1600**	**4.75**	3.50 Q		<0.420 Q	7.18	930	**1970**	**4370**	
	MW-79	Apr-24		626	**1430**	**6.44**	2.65		<0.420	7.05	882	**1950**	**4080**	
	MW-79	Oct-24		669	**1460**	**5.92**	0.907 JQ		<0.794 Q	7.18	991	**2040**	**5600**	
	MW-80	Apr-21		592	**980**	**2.46**		2.02		2.77	684	**1750**	**3780**	
	MW-80	Apr-22		542	**983**	**2.57**		0.371		2.61	720	**1940**	**4700** Q	
	MW-80	Mar-23		592	**1200**	**3.00 B**	0.794 JBQ		0.435 JQ	2.74	728	**2010**	**4350**	
	MW-80	Apr-24		706	**1360**	**2.79**	0.931 J		<0.420	3.14	756	**1820**	**3780**	
	MW-81	Apr-21		456	**987**	**6.61**		1.65		6.52	962 V	**1840**	**4940**	
	MW-81	Apr-22		449	**1010**	**6.19**		8.37		6.31	1070	**2010**	**4930** Q	
	MW-81	Mar-23		455	**1060**	**7.42**	**10.3**		<0.420	6.16	898	**1980**	**4200** J3	
	MW-81	Apr-24		465	**937**	**6.25**	**10.6**		**1.71**	6.40	934	**1980**	**3620**	
	MW-82	Apr-21		520	**1410**	**8.40**		1.40		9.31	1080	**1870**	**5810**	
	MW-82	Apr-22		531	**1540**	**9.26**		1.12		9.50	1110	**2380**	**5620** Q	
	MW-82	Mar-23		502	**1490**	**9.11**	2.16 Q		<0.420 Q	8.72	1100	**1870**	**5950**	
	MW-82	Apr-24		525	**1630**	**7.54**	4.87 Q		<0.420	8.75	1180	**2160**	**4380**	

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Appendix B, Table B.5 - Summary of Groundwater Analytical Data - Water Quality and Cyanide

2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Water Quality Parameters										Cyanide
				Analyte	Calcium	Chloride	Fluoride	Nitrate	Nitrate/Nitrite	Nitrite	Potassium	Sodium	Sulfate	TDS	Cyanide
				CAS	7440-70-2	16887-00-6	16984-48-8	14797-55-8	NO3NO2	14797-65-0	7440-09-7	7440-23-5	14808-79-8	TDS	57-12-5
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	--	250	1.60	10.0	10.0	1.00	--	--	600	1000	0.200
				CGWSL Source	--	WQCC Dom	WQCC HH	WQCC HH	WQCC HH	WQCC HH	--	--	WQCC Dom	WQCC Dom	WQCC HH
Area	Well ID	Date	Dup												
Evaporation Ponds	MW-83	Apr-22		504	**633**	**5.18**		3.16		39.4	544	**3040**	**5250** Q	
	MW-83	Oct-22		555	98.3	**5.54**		**12.4**		62.5	284	**4410**	**6220**	
	MW-83	Mar-23		508	132	**6.51**	6.29 Q		<0.420 Q	53.0	259	**3900**	**5500**	
	MW-83	Oct-23		446	**578**	**5.80**	1.59		<0.420	43.2	476	**3240**	**4680**	
	MW-83	Apr-24		298	**952**	**5.84**	<0.480		<0.420	28.5	726	**1840**	**3560**	
	MW-83	Oct-24		456	**790**	**5.87**	4.13 Q		<0.794 Q	39.3	630	**3220**	**6290**	
	MW-84	Apr-22		616	**1490**	**5.97**		<0.250		6.94	1500	**5120**	**9140**	
	MW-84	Oct-22		559	**1370**	**5.68**		<0.250		5.84 J	1440	**4120**	**5980**	
	MW-84	Mar-23		594	**1290**	**4.18**	1.53 BQ		<0.420 Q	7.23	1520	**4640**	**8420** J3	
	MW-84	Oct-23		557	**1210**	<6.40	7.89 JQ		<4.20 Q	5.92	1280	**4100**	**7080**	
	MW-84	Apr-24		581	**1330**	**5.94**	<0.480 Q		<0.420 Q	6.23	1410	**4390**	**6860**	
	MW-84	Oct-24		583	**1220**	**5.60**	<0.884 Q		<0.794 Q	5.81	1630	**4790**	**9500**	
	MW-86	Jun-20		544	**555**	**8.20**		<1.00		8.40	806	**4170**	**8130**	<0.0900
	MW-86	Oct-20		535	**671**	**6.03**		<0.0500		6.70	947	**3100**	**7830**	0.00261 J
	MW-87	Apr-22		602	**4040**	1.02		<0.0500		20.2	2430	**4760**	**12300** Q	
	MW-87	Oct-22												
	MW-87	Mar-23		623	**3580**	**1.73**	<0.480		<0.420	20.7	2500	**4050**	**12300**	
	MW-87	Oct-23												
	MW-87	Apr-24		635	**3440**	**2.10**	1.72 B		**3.26 B**	21.9	2670	**4110**	**9020**	
	MW-87	Oct-24												
	MW-88	Apr-22		431	**1840**	**1.69**		<0.0500		3.17	1210	**2530**	**6020** Q	
	MW-88	Oct-22												
	MW-88	Mar-23		402	**2040**	1.51	0.728 JB		<0.420	3.01	1610	**2920**	**6340**	
	MW-88	Oct-23		389						2.87 J	1480			
	MW-88	Apr-24		377 V	**1830**	**2.09**	1.16 B		0.979 JB	4.18	874 V	**2570**	**7600**	
	MW-88	Oct-24												
	MW-120	Apr-22		603	**1750**	**3.64**		0.0655 J		2.93	1190	**3080**	**6880**	
	MW-120	Oct-22		662 V	**2310**	**3.76**		0.166		3.17 J	1450 V	**2830**	**6060**	
	MW-120	Mar-23		548	**2160**	**2.89**	<0.480		<0.420	3.04	1290	**2410**	**7710**	
	MW-120	Oct-23		608	**1990**	**2.56**	1.01		<0.420	3.99	1300	**2210**	**6280**	
	MW-120	Apr-24		460	**1450**	**2.90**	<0.480		<0.420	3.40	1130	**2250**	**5560**	
	MW-120	Oct-24		558	**1280**	**3.22**	<0.884 Q		<0.794 Q	3.00	1130	**2940**	**5890**	
	MW-121	Apr-22		651	**1030**	**5.18**		0.221		3.27	633	**2600**	**5160** Q	
	MW-121	Oct-22		676	**1350**	**4.47**		0.536		3.80	680	**2200**	**4660**	
	MW-121	Mar-23		605	**1160**	**5.77**	0.951 J		<0.420	3.02	676	**2260**	**4810**	
	MW-121	Oct-23		597	**888**	**4.65**	1.59		<0.420	3.60	632	**2110**	**3980**	
	MW-121	Apr-24		562	**583**	**5.70**	<0.480		<0.420	2.98	615	**2370**	**4590**	
	MW-121	Oct-24		667	**798**	**5.60**	<0.884 Q		<0.794 Q	3.47	572	**2630**	**4740**	
	MW-122	Apr-22		350	**940**	**2.28**		0.0631 JP1		3.57	714	**1520**	**4090** Q	
	MW-122	Oct-22		357	**980**	**1.89**		<0.0500		3.81	637	**1450**	**2830**	
	MW-122	Mar-23		508	**1650**	**3.11**	1.05		<0.420	4.06	1040	**2210**	**7010**	
	MW-122	Oct-23		391	**1120**	**1.61**	1.08		<0.420	3.96	708	**1470**	**3070**	
	MW-122	Apr-24		382	**1090**	**2.79**	<0.480		<0.420	3.62	724	**1660**	**4170**	
	MW-122	Oct-24		460	**1110**	**1.94**	<0.884 Q		<0.794 Q	4.11	744	**1770**	**4610**	
	MW-123	Apr-22		540	**1350 V**	0.897		<0.0500		3.68	1020	**1960 V**	**4990** Q	
	MW-123	Oct-22		507 V	**1460**	1.01 J		<0.0500		2.87 J	1040 V	**2100**	**1810**	
	MW-123	Mar-23		503	**1370**	1.52	<0.480		<0.420	3.39	1070	**1890**	**4800** J3	
	MW-123	Oct-23		519	**1170**	1.08 J	<0.480 Q[R]		<0.420 Q[R]	3.54	1040	**1640**	**5340** Q	
	MW-123	Apr-24		496	**1350**	<6.40	1.02 B		1.00 B	3.58	1000	**1950**	**3730**	
	MW-123	Oct-24		507 V	**1350**	1.03 J	<0.884 Q		<0.794 Q	3.42	1030	**2090**	**5180**	
	MW-124	Apr-22		781	**3470**	1.58		0.147		6.60	1520	**4020**	**10600** Q	
	MW-124	Oct-22		730	**3410**	1.26 J		<0.0500		6.02 J	1720	**3850**	**5340**	
	MW-124	Mar-23		746	**3100**	1.19 J	<0.480		<0.420	6.43	1690	**3430**	**10300**	
	MW-124	Oct-23		724	**3140**	1.17 J	1.33		<0.420	6.38 J	1730	**3440**	**11000**	
	MW-124	Apr-24		760	**2800**	**1.63**	1.12 B		**1.43 B**	6.46	1890	**3280**	**10600**	
	MW-124	Oct-24		797	**3150**	1.21	5.88 Q		**5.27 Q**	7.16 J	1860	**3640**	**10800**	
	OCD-1R	Apr-22		471	**1190**	**2.52**		<0.0500		2.40	869	**2340**	**5500** Q	
	OCD-1R	Oct-22		707	**2360**	**2.64**		<0.0500		4.08 J	1830	**3970**	**4400**	
	OCD-1R	Mar-23		562	**2390**	**2.98**	<0.480 Q		<0.420 Q	3.61	1850	**3120**	**7500**	
	OCD-1R	Oct-23		710	**1840**	**1.90**	<0.480		<0.420	4.17	1240	**2600**	**5170**	
	OCD-1R	Apr-24		561	**1740**	**2.18**	<0.480		<0.420	2.90	983	**2200**	**4520**	
	OCD-1R	Oct-24		647	**1750**	**2.01**	<0.0884		<0.0794	3.93	1200	**2170**	**6750**	
	OCD-2A	Apr-22		588	**1450**	0.709		0.177		5.40	810	**2070**	**5210** Q	
	OCD-2A	Oct-22												
	OCD-2A	Mar-23		709	**1880**	0.763 J	<0.480		<0.420	5.41	1060	**2010**	**4660**	
	OCD-2A	Oct-23												
	OCD-2A	Apr-24		613	**1500**	**1.75**	0.619 J		<0.420	4.88	904	**1750**	**4630**	
	OCD-2A	Oct-24												
	OCD-3	Apr-22		402	**595**	0.809		0.113		7.11	420	**1500**	**3310** Q	
	OCD-3	Oct-22												
	OCD-3	Mar-23		601	**1070**	1.26 J	<0.480 Q[R]		<0.420 Q[R]	8.36	546	**1720**	**3560**	
	OCD-3	Oct-23												
	OCD-3	Apr-24		567	**1090**	0.899 J	<0.480		<0.420	8.38	627	**1690**	**3640**	
	OCD-3	Oct-24												
	OCD-4	Apr-22		769	**4590**	0.390		0.0754 J		29.2	2430	**3260**	**11600** Q	
	OCD-4	Oct-22												
	OCD-4	Mar-23		853	**5320**	**3.91 JB**	3.41 JBQ		<2.10 Q	32.7	3250	**3240**	**11400**	
	OCD-4	Oct-23												
	OCD-4	Apr-24		683	**4120**	1.12 J	0.864 JB		**1.85 B**	27.3	2250	**3090**	**7920**	
	OCD-4	Oct-24												
	OCD-5	Apr-22		787	**4820**	0.348		<0.0500		36.5	2530	**3320**	**12200** Q	
	OCD-5	Oct-22		819 V	**5300**	0.885 J		<0.0500		31.7	3010 V	**3330**	**11000**	
	OCD-5	Mar-23		815	**4650**	**3.81 JB**	3.42 JBQ		<2.10 Q	37.5	2840	**3230**	**10600**	
	OCD-5	Oct-23		833	**4560**	<0.640	1.10		<0.420	32.6	2690	**2730**	**10200**	
	OCD-5	Apr-24		749	**4610**	<0.640	<0.480		<0.420	33.6	2830	**3050**	**8840**	
	OCD-5	Oct-24		856	**4950**	0.917	4.68 J		<0.397	32.3	3180	**2970**	**12800**	
	OCD-6	Apr-22		890	**4860**	1.08		0.795		14.7	2220	**2920**	**11800** Q	
	OCD-6	Oct-22		788 V	**4150**	<6.40		<0.0500		12.9	2360	**3240**	**9740**	
	OCD-6	Mar-23		913	**4510**	**2.81 B**	0.951 J		**2.00**	14.6	2460	**2760**	**12000**	
	OCD-6	Oct-23		894	**4620**	**2.26**	<0.480		<0.420	15.0	2600	**2670**	**8660** J3	
	OCD-6	Apr-24		924	**4580**	**2.37**	<0.480		<0.420	14.6	2790	**2700**	**8820**	
	OCD-6	Oct-24		960	**4810**	**2.75**	<0.884 Q		<0.794 Q	14.1	2960	**3220**	**12400**	
	OCD-7AR	Apr-22		662	**2930**	**1.79**		0.242		6.09	2200	**4010**	**10400** Q	
	OCD-7AR	Oct-22		662	**2970**	<6.40		<0.0500		6.81	2430	**4050**	**9300**	
	OCD-7AR	Mar-23		621	**2600**	**3.11 B**	0.792 J		**1.50**	5.46	2380	**3720**	**10800**	
	OCD-7AR	Oct-23		627 V	**2370**	**2.21**	<0.480		<0.420	6.30	2380	**3220**	**9240**	
	OCD-7AR	Apr-24		708	**2800**	**2.59**	<0.480		<0.420	6.48	2740	**3690**	**10600**	
	OCD-7AR	Oct-24		667	**2810**	**3.18**	<0.884 Q		<0.794 Q	6.30	2470	**4120**	**11000**	
	OCD-7B	Apr-17		564	**960**	1.05		<0.0197		11.0	629	**2100**	**4540**	
	OCD-7B	Apr-19		590	**874**	0.839		<0.0197		11.7	678	**2260**	**4760**	
	OCD-7B	Apr-21		590	**822**	0.950		<0.0500		11.6	680	**2170**	**4100**	
	OCD-7B	Mar-23		582	**903**	1.59 B	<0.480		0.493 J	11.1	689	**2220**	**5070**	

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Appendix B, Table B.5 - Summary of Groundwater Analytical Data - Water Quality and Cyanide

2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Water Quality Parameters										Cyanide
				Analyte	Calcium	Chloride	Fluoride	Nitrate	Nitrate/Nitrite	Nitrite	Potassium	Sodium	Sulfate	TDS	Cyanide
				CAS	7440-70-2	16887-00-6	16984-48-8	14797-55-8	NO3NO2	14797-65-0	7440-09-7	7440-23-5	14808-79-8	TDS	57-12-5
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	--	250	1.60	10.0	10.0	1.00	--	--	600	1000	0.200
				CGWSL Source	--	WQCC Dom	WQCC HH	WQCC HH	WQCC HH	WQCC HH	--	--	WQCC Dom	WQCC Dom	WQCC HH
Area	**Well ID**	**Date**	**Dup**												
Evaporation Ponds	OCD-8A	Apr-22		686	**5290**	**2.49**		0.0587 J		9.59	3660	**4900**	**13800 Q**	0.00362 J
	OCD-8A	Oct-22		688	**5000**	**2.30**		<0.0500		9.80 J	3060	**4740**	**12100**	<0.00180
	OCD-8A	Mar-23		674	**4490**	**2.13**	<0.480		<0.420	8.49	2950	**3750**	**14200**	<0.00180
	OCD-8A	Oct-23		659	**3500**	**2.71**	<0.480		<0.420	9.15 J	2530	**3710**	**11200**	<0.00180
	OCD-8A	Apr-24		689	**3260**	**2.25**	<0.480		<0.420	9.65 J	2670	**3870**	**9420**	<0.00180 J6
	OCD-8A	Oct-24		638	**2960**	**2.62**	2.83		**4.74 J**	9.18	2490	**3770**	**10900**	<0.00180 J6
	OCD-8B	Apr-17		660	**2030**	0.925		0.0320 J		9.07	1800	**2620**	**7390**	
	OCD-8B	Apr-19		715 V	**3230**	0.774		<0.0197		9.61	1490 V	**4950**	**7690**	
	OCD-8B	Apr-21		691	**2200**	0.744		<0.0500		9.76	1500	**2440**	**7480**	
	OCD-8B	Mar-23		689	**2480**	1.03 J	<0.480		<0.420	9.46	1490	**2430**	**7840**	
Field East of Refinery	KWB-1A	Oct-22		474	250	1.59		<0.0500		0.881 J	234	**2170**	**3360**	<0.00180
	KWB-1A	Mar-23		439	**254**	1.56	<0.480		<0.420	0.941 J	230	**2260**	**3670**	<0.00180
	KWB-1A	Oct-23		433	201	1.01 J	<0.480 Q		<0.420 Q	0.860 J	216	**1910**	**3100**	<0.00180
	KWB-1A	Apr-24		390	206	1.60	3.05		<0.420	0.834 J	197	**1950**	**2540**	<0.00180
	KWB-1A	Oct-24		381	212	1.00 J	<0.884 Q		<0.794 Q	0.822 J	217	**2010**	**3350**	<0.00180
	KWB-1C	Apr-17		560	**508**	1.25		0.0350 JP1		1.36	267	**2860**	**5000**	
	KWB-1C	Apr-19		533	**317**	1.16		0.629		1.39	274	**2550**	**4680**	
	KWB-1C	Apr-21		488	**275**	1.15		0.0807 J		1.24 J	249	**2580**	**4490**	
	KWB-1C	Mar-23		441	**265**	1.16 J	<0.480		<0.420	1.13 J	229	**2310**	**4540**	
	KWB-7	Apr-22		239	**397 V**	0.883		<0.500		0.410 J	250	340 V	**1320**	<0.00900
	KWB-7	Oct-22		386	**404**	1.26 J		<0.250		0.287 J	265	**1270**	**2720**	<0.00180
	KWB-7	Mar-23		291	**398**	0.972	0.0650 JBQ		<0.0420 Q	0.358 J	244	538	**2020 J3**	<0.00900
	KWB-7	Oct-23		387	**291**	0.655 J	1.84		<0.420	0.304 J	210	**1200**	**2420 J3**	<0.00720
	KWB-7	Apr-24		263	**414 V**	1.20	0.309 B		0.0974 JBP1	0.331 J	251	446 V	**1790**	<0.00900
	KWB-7	Oct-24		383	**325**	0.970	<0.0884		<0.0794	0.398 J	251	**1190**	**2780**	<0.00180
	KWB-8	Apr-17		237	**574**	0.623		0.0510 J		0.414 J	320	442	**2400**	<0.00180
	KWB-8	Oct-17		273	**913**	0.467		<0.985		0.411 J	462	417	**3270**	<0.00180
	KWB-8	Oct-20		301	**398**	0.694		<1.00		<0.534	546	**1660**	**4440**	<0.0180
	KWB-10R	Apr-17		134	230	1.57		<0.0197		0.521 J	131	0.475 J	**1130**	
	KWB-10R	Oct-17		138	186	1.39		0.440		0.453 J	123	3.08 J	**1080**	
	KWB-10R	Apr-18		138	183	1.35		0.0250 J		0.430 J	122	<0.0774	**1060**	
	KWB-10R	Oct-18		130	188	1.33		<0.0197		0.836 JB	110	<0.0774	**1040**	
	KWB-11A	Oct-22		410	**388**	1.00 J		<0.0500		0.642 J	266	**1390**	**2860**	<0.00180
	KWB-11A	Mar-23		367	**408**	1.50 JB	<0.480 Q		<0.420 Q	0.772 J	283	**1250**	**2620**	<0.00180
	KWB-11A	Oct-23		408	**340**	<0.640	1.15		<0.420	0.851 J	244	**1300**	**2910**	<0.00180
	KWB-11A	Apr-24		370	**354**	0.849 J	0.728 JB		0.557 JB	0.782 J	251	**1180**	**2310**	<0.00180 J6
	KWB-11A	Oct-24		397	**353**	0.729	<0.0884		<0.0794	0.913 J	255	**1250**	**2810**	<0.00180
	KWB-11B	Apr-22		405	**256**	0.365		2.60		2.36	78.0	**1420**	**2540**	<0.00180
	KWB-11B	Oct-22		499	**349**	0.832 J		2.08		2.09	106	**1470**	**2720**	<0.00180
	KWB-11B	Mar-23		497	**359**	<0.640	3.22		<0.420	2.37	103	**1410**	**2600**	<0.00180
	KWB-11B	Oct-23		501	**342**	<0.640	2.17		<0.420	2.28	109	**1430**	**2450**	<0.00180
	KWB-11B	Apr-24		534	**327**	0.794 J	1.54 B		0.561 JB	2.40	115	**1440**	**3090**	<0.00180
	KWB-11B	Oct-24		521	**330**	0.312	2.21		<0.0794	2.37	121	**1420**	**2640**	<0.00180
	KWB-12A	Sep-21		544	195 B	0.623		**10.6 V**		1.07 J	185	**2090**	**3960**	<0.00180
	KWB-12A	Oct-22		547	158	0.993 J		8.00		0.950 J	177	**1960**	**1790**	<0.00180
	KWB-12A	Oct-23		514	173	<0.640	6.46		<0.420	1.09 J	178	**1930**	**2990**	<0.00360
	KWB-12A	Oct-24		574	163	0.594 J	**25.9 Q**		**1.30 Q**	4.89	171	**1820**	**3550**	<0.0450
	KWB-12B	Apr-22		550	132	0.825 J		6.75		0.695 J	143	**2700**	**3890**	<0.00180
	KWB-12B	Apr-22	FD	540	133	0.892 J		6.65		0.643 J	137	**2660**	**3930**	
	KWB-12B	Oct-22		539	174	0.969 J		**11.2**		0.581 J	165	**2030**	**2420**	<0.00180
	KWB-12B	Oct-22	FD	561	174	0.883 J		**11.3**		0.587 J	166	**2050**	**3590**	<0.00180
	KWB-12B	Mar-23		535	117	<0.640	3.96 Q		<0.420	0.717 J	146	**2050**	**3480**	<0.00180
	KWB-12B	Mar-23	FD	534	130	<0.640	7.19		<0.420	0.681 J	146	**2230**	**3290**	<0.00180
	KWB-12B	Oct-23		520	150	0.683 J	**10.4**		<0.420	0.613 J	160	**1980**	**2920**	<0.00360
	KWB-12B	Oct-23	FD	519	148	<0.640	9.14		<0.420	0.596 J	162	**1960**	**3040**	<0.00360
	KWB-12B	Apr-24		572	130	<0.640	6.24		<0.420	0.745 J	141	**1940**	**3130**	<0.00180
	KWB-12B	Apr-24	FD	556	123	<0.640	8.61		<0.420	0.708 J	145	**1970**	**3500**	0.00193 J
	KWB-12B	Oct-24		546	132	<0.761	1.87 BQ		<0.794 Q	0.659 J	154	**2490**	**3790**	**0.500**
	KWB-12B	Oct-24	FD	552	132	<0.761	1.85 BQ		<0.794 Q	0.682 J	153	**2490**	**3790**	**0.535**
	KWB-P4	Apr-17												
	KWB-P4	Apr-19												
	KWB-P4	Apr-21												
	KWB-P4	Mar-23												
	MW-57	Oct-20		529	135	**1.99**		4.83		2.97	287	**2140**	**4040**	
	MW-57	Apr-21		460	210	**1.88**		7.90		1.50 J	265	**1910**	**3730**	
	MW-57	Sep-21		652	**496**	**3.42**		**34.2**		3.11	455	**3310**	**3170**	
	MW-57	Apr-22		436	**321**	**2.80**		3.10		2.13	319	**2270**	**3950**	
	MW-58	Oct-17		235	249	1.26		<0.0197		0.553 J	116	13.1	**1340**	<0.00180
	MW-58	Apr-18		215	207	1.37		<0.0985		0.290 J	98.5	2.59 J	**1250**	<0.00180
	MW-58	Oct-18		176	151	1.06		<0.394		1.20	74.3	56.9	**1040**	<0.00180 J3J6
	MW-58	Oct-19		229	**294**	1.33		<0.0197		2.06	70.3	1.49 JB	**1140**	<0.00180
	MW-111	Oct-18		203	**412**	1.46		<0.0197		0.588 JB	221	331	**1810**	
	MW-111	Apr-19		340	**375**	0.957		<0.0197		1.83	209	322	**2000**	
	MW-111	Oct-19		212	**429**	1.38		<0.0197		0.214 J	239	317	**2070**	
	MW-111	Jun-20		251	**409**	1.08		<0.0500		1.11 J	206	372	**1970**	
	MW-112	Nov-14		190	230	1.00		<0.0200		0.310 J	190	5.40	**1200**	
	MW-113	Apr-22		294	188	0.564		<0.0500		0.562 J	154	**996**	**2320**	
	MW-113	Apr-22	FD	278	177	0.511		<0.0500		0.471 J	149	**975**	**2370**	
	MW-113	Oct-22		231	**371**	0.630		<2.50		0.295 J	328	284	**2160**	
	MW-113	Oct-22	FD	225	**370**	0.616		**17.7**		0.231 J	318	370	**2090**	
	MW-113	Mar-23		273	216	0.541 B	<0.0480 Q[R]		<0.0420 Q[R]	0.421 J	171	**903**	**1910**	
	MW-113	Mar-23	FD	254	218	0.651 J	<0.480 Q[R]		<0.420 Q[R]	0.358 J	167	**862**	**2150**	
	MW-113	Oct-23		198	**343**	<0.640	0.503 J		<0.420	0.306 J	272	38.5 J	**1890**	
	MW-113	Oct-23	FD	204	**339**	<0.640	0.632 J		<0.420	0.314 J	279	36.7 J	**1890**	
	MW-113	Apr-24		244	177	0.486	<0.0480		<0.0420	0.552 J	160	**733**	**1920 Q**	
	MW-113	Apr-24	FD	266	198	0.487	9.02 Q		<0.0420 Q	0.370 J	167	**758**	**1070**	
	MW-113	Oct-24		175 V	**270**	0.650	<0.0884		<0.0794	0.303 J	228 V	16.1	**1570**	
	MW-113	Oct-24	FD	174	**267**	0.633	<0.0884		<0.0794	0.289 J	231	11.7	**1570**	
	MW-125	Apr-22		473	**273**	1.07		<0.0500		1.19 J	189	**2360**	**3330 Q**	
	MW-125	Oct-22		486	**261**	1.42 J		<0.0500		1.06 J	206	**2100**	**7840**	
	MW-125	Mar-23		466 V	**252**	1.28 J	<0.480 Q		<0.420 Q	1.21 J	190	**2140**	**3500**	
	MW-125	Oct-23		500	241	1.14 J	<0.480		0.579 J	1.26 J	199	**2150**	**4020**	
	MW-125	Apr-24		482	225	0.901 J	<0.480		<0.420	1.23 J	189	**2280**	**2000**	
	MW-125	Oct-24		505	239	1.01	1.13		<0.0794	1.29 J	211	**2140**	**3610**	
	MW-126A	Apr-19		382	191	0.757		<0.0197		0.547 JB	138	**1350**	**2540**	
	MW-126A	Oct-19		325	136	0.937		<0.0197 J5		0.670 J	152	**1330**	**2330**	
	MW-126A	Jun-20		357	198	0.869		<0.0500		<0.534	152	**1590**	**2680**	
	MW-126A	Oct-20		396	210	0.706		<0.0500		<0.534	189	**1510**	**3150**	

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Appendix B, Table B.5 - Summary of Groundwater Analytical Data - Water Quality and Cyanide

2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Water Quality Parameters										Cyanide
				Analyte	Calcium	Chloride	Fluoride	Nitrate	Nitrate/Nitrite	Nitrite	Potassium	Sodium	Sulfate	TDS	Cyanide
				CAS	7440-70-2	16887-00-6	16984-48-8	14797-55-8	NO3NO2	14797-65-0	7440-09-7	7440-23-5	14808-79-8	TDS	57-12-5
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	--	250	1.60	10.0	10.0	1.00	--	--	600	1000	0.200
				CGWSL Source	--	WQCC Dom	WQCC HH	WQCC HH	WQCC HH	WQCC HH	--	--	WQCC Dom	WQCC Dom	WQCC HH
Area	Well ID	Date	Dup												
Field East of Refinery	MW-126B	Apr-22		516	**275**	1.19 J		0.423		2.25	201	**2410**	**3980**		
	MW-126B	Oct-22		532	**260**	1.24 J		0.371		2.17	207	**1950**	**3970**		
	MW-126B	Mar-23		497	**258**	<0.640	0.683 J		<0.420	2.23	196	**2060**	**3690**		
	MW-126B	Oct-23		522	**255**	0.861 J	1.79 Q		<0.420 Q	2.25	192	**1760**	**3220**		
	MW-126B	Apr-24		553	245	0.919 J	<0.480		<0.420	2.39	184	**2040**	**2830**		
	MW-126B	Oct-24		567	**254**	0.669 J	6.87 Q		<3.97 Q	2.40	207	**2020**	**3540**		
	MW-127	Oct-17		262	231	0.993		0.146		1.46	142	**776**	**1970**		
	MW-127	Apr-18		245	225	0.997		<0.0985		0.279 J	148	**677**	**2010**		
	MW-127	Oct-18		240	219	0.979		<0.0197		1.29 JB	135	**670**	**1940**		
	MW-127	Apr-19		267	208	0.855		<0.0197		0.438 JB	163	**612**	**1990**		
	MW-128	Oct-17		186	200	1.29		<0.0197		0.354 JB	107	248	**1370**		
	MW-128	Apr-18		181	175	1.23		<0.0197		0.764 J	115	207	**1280**		
	MW-128	Oct-18		161 V	170	1.13		0.0230 JJ6		0.412 J	97.3 O1V	147	**1650**		
	MW-128	Apr-19		181	173	1.06		<0.0197		0.725 J	115	126	**1300**		
	MW-129	Apr-15		192	**302**	0.900		<0.200		0.530 J	195	69.4	**1330**		
	MW-129	Oct-15		169	**313**	1.08		<0.197		0.315 J	194	57.8	**1280**		
	MW-129	Apr-17		163	**300**	1.02		<0.197 J5		0.334 J	199	44.1	**1250**		
	MW-129	Apr-18		162	**282**	1.04		<0.0197		0.251 J	201	52.6	**1270**		
	MW-130	Apr-22		236	145	0.768		0.465		0.875 J	280	**885 V**	**1780 J3**		
	MW-130	Oct-22		242	141	0.951		0.358		1.14 J	264	**807**	**1800 J3**		
	MW-130	Mar-23		229	142	0.885	0.199		<0.0420	1.06 J	268	<0.594	**1700**		
	MW-130	Oct-23		229	150	0.732	0.711		0.0697 J	0.674 J	269	**679**	**1890**		
	MW-130	Apr-24		204	126	0.805	1.04		<0.0420	0.703 J	250	**626**	**1630**		
	MW-130	Oct-24		206	156	0.759	0.159 BQ		<0.0794 Q	0.681 J	262	**781**	**1870**		
	MW-131	Apr-17		151	**285**	0.773		<0.197		0.275 J	153	10.3	**1230**		
	MW-131	Oct-17		149	**284**	0.807		<0.0197		0.200 J	149	15.5	**1290**		
	MW-131	Oct-19		145	**288**	0.845		<0.0197		0.251 J	150	19.7	**1210**		
	MW-131	Jun-20		153	**283**	0.865		<0.0500		<0.534	163	24.7	**1270**		
	MW-133	Nov-14		200	170	1.10		<0.0200		0.460 J	140	140	**1300**		
	MW-133	Apr-15		163	174	1.19		<0.200		0.323 J	122	116	**1190**		
	MW-134	Apr-22		488	**314**	1.11		0.697		1.80 J	235	**2700**	**4470**		
	MW-134	Apr-22	FD	461	**289**	0.935		0.676		1.62 J	224	**2610**	**3750**		
	MW-134	Oct-22		484	**305**	1.42 J		0.504		1.39 J	242	**2450**	**4070**		
	MW-134	Oct-22	FD	500	**302**	1.39 J		0.585		1.46 J	247	**2410**	**4380**		
	MW-134	Mar-23		503	**307**	1.53	2.27		<0.420	1.55 J	242	**2550**	**4300**		
	MW-134	Mar-23	FD	473	**307**	0.920 J	3.06		<0.420	1.43 J	233	**2550**	**4050**		
	MW-134	Oct-23		493	**305**	1.01 J	2.15 Q		<0.420 Q	1.63 J	237	**2360**	**3520 J3**		
	MW-134	Oct-23	FD	490	**297**	1.19 J	2.74		<0.420	1.53 J	232	**2300**	**3910**		
	MW-134	Apr-24		443	**301**	**2.01**	0.857 J		<0.420	1.69 J	215	**2460**	**2410 J3**		
	MW-134	Apr-24	FD	492	**294**	0.773 J	<0.480		<0.420	1.68 J	231	**2510**	**3000**		
	MW-134	Oct-24		496	**284**	1.54				1.65 J	239	**2750**	**4430**		
	MW-134	Oct-24	FD	486	**289**	0.887 J	<0.884 Q		<0.794 Q	1.84 J	239	**2850**	**4460**		
	MW-135	Apr-22		548	**579**	1.14		**12.7**		0.816 J	580	**3410**	**5600**		
	MW-135	Oct-22		538	**570**	1.41 J		**10.1**		0.684 J	621	**2830**	**4790**		
	MW-135	Mar-23		543	**532**	1.25 J	7.87		<0.420	0.860 J	600	**2810**	**4790**		
	MW-135	Oct-23		568	**568**	1.08 J	8.08		<0.420	0.854 J	568	**2300**	**3780**		
	MW-135	Apr-24		564	**467**	<6.40	8.03		0.871 J	0.896 J	556	**2640**	**5380**		
	MW-135	Oct-24		517	**367**	0.985 J	**14.9 Q**		<7.94 Q	0.739 J	386	**2520**	**4740**		
	MW-145	Apr-22		542	**383 B**	1.19				1.38 J	240	**2990**	**4640**		
	MW-145	Oct-22		574	**377**	1.55				1.17 J	247	**2400**	**4070**		
	MW-145	Mar-23		548	**372**	**1.73 B**				1.24 J	261	**2720**	**4580**		
	MW-145	Oct-23		569	**353**	1.21 J				1.38 J	239	**2810**	**2990**		
	MW-145	Apr-24		556 O1V	**331**	**1.88 B**				1.27 J	248 O1V	**1640**	**4080**		
	MW-145	Oct-24		526	**326**	1.12				1.16 J	226	**2450**	**4020**		
	MW-146	Apr-22		498	**300 B**	1.21				1.45 J	235	**3340**	**5010**		
	MW-146	Apr-22	FD	502	**300 B**	1.15				1.34 J	232	**3280**	**5270 Q**		
	MW-146	Oct-22		548	**298**	1.58				1.25 J	262	**2670**	**4630**		
	MW-146	Oct-22	FD	542	**302**	1.59				1.33 J	263	**2660**	**4540**		
	MW-146	Mar-23		509	**279**	**1.82 B**				1.39 J	251	**2880**	**3860**		
	MW-146	Mar-23	FD	518	**272**	**1.87 B**				1.45 J	260	**2920**	**4510**		
	MW-146	Oct-23		513	**296**	1.24 J				1.38 J	246	**2940**	**3270**		
	MW-146	Oct-23	FD		**292**	1.18 J						**2700**	**4870**		
	MW-146	Apr-24		566	**276**	**1.71**				1.54 J	275	**2900**	**4980**		
	MW-146	Apr-24	FD	555	**274**	**1.95 B**				1.55 J	257	**1890**	**4990**		
	MW-146	Oct-24		525	**264**	1.09				1.33 J	235	**2810**	**4930**		
	MW-146	Oct-24	FD	522	**262**	**1.67**				1.32 J	235	**3500**	**4560**		
	MW-147	Apr-22		560	**499**	0.925				0.804 J	460	**3230**	**5170**		
	MW-147	Oct-22		572	**583**	**1.98**				0.726 J	672	**2990**	**4950**		
	MW-147	Mar-23		568	**431**	**1.79 B**				0.742 J	442	**2780**	**4010**		
	MW-147	Oct-23		581	**404**	**2.16**				0.589 J	351	**2870**	**2710**		
	MW-147	Apr-24		554	**330**	**1.67**				0.690 J	381	**2380**	**4960**		
	MW-147	Oct-24		566	**350**	0.760				0.680 J	350	**2570**	**3950**		
	MW-148	Apr-22		582	**291 B**	1.55				9.47	211	**2390**	**4100**		
	MW-148	Oct-22		569	243	1.53				4.94	166	**1780**	**3270**		
	MW-148	Mar-23		593	**322**	**2.29 B**				9.57	222	**2120**	**3630**		
	MW-148	Oct-23		573	**270**	**2.02**				7.90	180	**1970**	**2710**		
	MW-148	Apr-24		594	249	**1.82**				7.21	208	**2370**	**3450**		
	MW-148	Oct-24		409	219	1.41				4.56	228	**1700**	**2750**		
	MW-151	Oct-24													
	MW-160	Oct-24													
	MW-161	Oct-24													
	RA-4196	Oct-19		363	131	0.299		<0.0197		1.96	89.2	**1250**	**2160**		
	RA-4196	Jun-20		365	126	0.324		<0.0500		2.17	90.1	**1330**	**2290**		
	RA-4196	Oct-20		382	123	0.348		0.842 J6		2.36	98.7	**1250**	**2340**		
	RA-4196	Mar-23		387	147	0.697 J	2.21 Q		<0.420 Q	2.18	103	**1180**	**1950**		
	RA-4196R	Oct-23		372	147	<0.640	2.67		<0.420	2.09	98.6	**1060**	**2050**		
	RA-4196R	Apr-24		362	154	1.49 J	1.38		<0.420	2.11	103	**1190**	**2180 Q**		
	RA-4196R	Oct-24		393	155	0.397	2.77		0.202	2.13	106	**1180**	**2080**		
	RA-4798	Oct-20		356	104	0.358		1.18		2.36	87.6	**1080**	**2200**		
	RA-4798	Apr-21		424	122	0.347		1.49		2.45	106	**1410**	**2510**		
	RA-4798	Sep-21		461	171	0.281		1.05		2.29	126	**1660**	**2830**		
	RA-4798	Apr-22		236	65.3	0.386		0.811		2.04	41.2	**781**	**1330**		
	RW-12R	Apr-17		392	189	0.623		<0.197		0.293 J	152	**1740**	**2420 J3**		
	RW-12R	Apr-18		378	155	0.700		<0.0197		0.220 J	171	**1400**	**2400**		
	RW-12R	Apr-19		369 V	154	0.609		<0.0394		0.408 JB	164 V	**1180**	**2450**		
	RW-12R	Jun-20		337	143	0.716		<0.0500		<0.534	158	**1300**	**2750**		
	RW-13R	Apr-18		242	207	0.650		0.0260 JP1		0.378 J	183	525	**1700**		
	RW-13R	Mar-23		191	243	1.18	<0.0480 Q		<0.0420 Q	0.628 J	158	131	**1350**		
	RW-18A	Apr-18		491	206	**1.82**		0.408		0.832 J	132	**2750**	**3940**		
	RW-18A	Apr-19		549	199	**1.94**		0.286		0.832 J	130	**2390**	**3970**		
	RW-18A	Jun-20		515	211	**2.03**		0.460		0.990 J	120	**2490**	**4280**		
	RW-18A	Mar-23		500	**254**	**1.90**	1.83		<0.420	0.809 J	126	**2190**	**4360**		
	RW-20	Apr-15		228	**256**	0.530		<0.200		<0.180	228	125	**1430**		
	RW-22	Apr-15		184	**402**	0.860		<0.200		0.319 J	274	78.4	**1680**		

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Appendix B, Table B.5 - Summary of Groundwater Analytical Data - Water Quality and Cyanide

2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Water Quality Parameters										Cyanide
				Analyte	Calcium	Chloride	Fluoride	Nitrate	Nitrate/Nitrite	Nitrite	Potassium	Sodium	Sulfate	TDS	Cyanide
				CAS	7440-70-2	16887-00-6	16984-48-8	14797-55-8	NO3NO2	14797-65-0	7440-09-7	7440-23-5	14808-79-8	TDS	57-12-5
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	--	250	1.60	10.0	10.0	1.00	--	--	600	1000	0.200
				CGWSL Source	--	WQCC Dom	WQCC HH	WQCC HH	WQCC HH	WQCC HH	--	--	WQCC Dom	WQCC Dom	WQCC HH
Area	Well ID	Date	Dup												
NCL	MW-18	Apr-21		393	206	**1.64**		9.30		1.56 J	63.7	**1150**	**2170**	<0.00180	
	MW-18	Apr-22		367	216	1.34		**11.7**		1.61 JB	58.1	**1200**	**2390**	<0.00180	
	MW-18	Mar-23		400	200	**1.63**	**10.8 Q**		<0.420	1.72 J	60.3	**1120**	**2200**	<0.00360	
	MW-18	Apr-24		361	190	1.48	**16.9**		0.303	1.55 J	78.4	**989**	**2310**	<0.0180	
	MW-45	Apr-22		534	**338**	1.34		<0.0500		3.45	324	**2350**	**4330 Q**	<0.00180	
	MW-45	Oct-22		511	**291**	1.15 J		<0.0500		4.03	327	**2150**	**3400**	<0.00180	
	MW-45	Mar-23		525	**338**	**1.86 B**	0.654 JBQ		0.508 JQ	4.23	341	**2230**	**4050**	<0.00180	
	MW-45	Oct-23		489	**279**	1.40 J	<0.480		<0.420	4.18	329	**2130**	**4070**	<0.00180	
	MW-45	Apr-24		506	**289**	1.39 J	**12.3 Q**		<0.420 Q	3.87	324	**1930**	**4130**	<0.00180	
	MW-45	Oct-24		471	250	1.32	<0.0884		<0.0794	3.75	332	**1960**	**3880**	<0.00180	
	MW-53	Apr-15		348	**1010**	0.922		**34.5**		1.16	104	**1290**	**2810 J**		
	MW-53	Apr-17		340	222	0.904		**15.6**		1.12	130	**1330**	**2290**		
	MW-53	Apr-18		315	72.9	1.13		1.58 J6		1.12 B	118	**1250**	**1860**		
	MW-53	Apr-19		259	59.6	1.30		0.290		1.17	88.4	**1100**	**1880**		
	MW-53R	Apr-21		312	64.8	1.29		0.132		2.37	78.2	**1110**	**1870**		
	MW-53R	Apr-22		288	64.7	1.27		<0.0500		2.12 B	74.7	**1140**	**1710**		
	MW-53R	Mar-23		295	66.5	**1.87 B**	1.23		<0.420	1.88 J	75.7	**1030**	**1760**		
	MW-53R	Apr-24		287	92.7	1.26	0.864		0.0702 JB	1.72 J	79.1	**1030**	**1710**		
	MW-54A	Apr-22		407	241	0.816		0.0516 J		0.414 JB	62.4	**1100**	**2300**		
	MW-54A	Oct-22		436	244	1.39 J		0.389		0.313 J	69.7	**1160**	**2270**		
	MW-54A	Mar-23		431	231	0.890	0.369 BQ		<0.0420 Q	0.390 JB	67.7	**1130**	**2310**		
	MW-54A	Oct-23		478	230	1.03 J	<0.480		0.572 J	0.353 J	73.5	**1260**	**2880**		
	MW-54A	Apr-24		457	217	1.05 J	<0.480 Q		<0.420 Q	0.370 J	79.5	**1270**	**2690**		
	MW-54A	Oct-24		481	217	0.790	<0.0884		<0.0794	0.318 J	80.1	**1180**	**2550**		
	MW-54B	Apr-17		317	127	0.617		0.100 J		1.18	54.5	**1040**	**1840**		
	MW-54B	Apr-19		319	140	0.634		0.0410 J		0.811 J	50.5	**818**	**1870**		
	MW-54B	Apr-21		458	205	0.654		0.0845 J		1.47 J	69.9	**1320**	**2290**		
	MW-54B	Mar-23		473	214	<0.640	2.82		<0.420	1.51 JB	86.8	**1490**	**2900**		
	MW-55	Apr-22		232	**408**	1.20		0.0550 J		0.640 JB	228	**685**	**2120**	<0.00180	
	MW-55	Oct-22		291	**348**	1.44 J		<0.0500		0.679 J	191	**1020**	**2230**	<0.00180	
	MW-55	Mar-23		248	**391**	1.36	<0.0480		<0.0420	0.577 J	219	**646**	**1930**	<0.00180	
	MW-55	Oct-23		228	**315**	1.15	0.669		<0.0420	0.575 J	244	**638**	**1920**	<0.00180	
	MW-55	Apr-24		211	**297**	1.05	1.64 Q		<0.0420	0.622 J	252	**697**	**1750**	<0.00180	
	MW-55	Oct-24		216	**256**	1.22	0.242		<0.0794	0.560 J	253	**663**	**1980**	<0.00180	
	MW-56	Apr-22		388	193	1.15		<0.0500		1.55 J	121	**1400**	**2020**		
	MW-56	Mar-23		324	128	1.23	0.610 Q		<0.0420 Q	1.31 J	104	**1100**	**2270**		
	MW-56	Apr-24		343	140	1.07	<0.0480		<0.0420	1.34 J	110	**1230**	**2120**		
	MW-56	Oct-24		314	148	**1.77**	3.57 Q		<0.0794 Q	1.22 J	101	**1100**	**1970**		
	MW-108	Apr-22		190	29.7	1.30		<1.00		0.593 JB	48.7	**737**	**1540**		
	MW-108	Oct-22		234	29.7	**1.81**		<2.50		0.472 J	49.3	**881**	**1750**		
	MW-108	Mar-23		238	146	1.08	<0.0480		<0.0420	0.484 J	45.4	105	**1750**		
	MW-108	Oct-23		252	27.3	0.817 J	0.738 J		<0.420	0.479 J	46.9	**829**	**1970**		
	MW-108	Apr-24		214	26.4	1.04	<0.0480		0.0790 J	0.347 J	40.2	**794**	**1610**		
	MW-108	Oct-24		200	30.8	1.26	<0.0884		<0.0794	0.290 J	37.6	569	**1470**		
	NCL-31	Apr-22		199	32.7	1.34		<0.0500		0.563 JB	33.4	**966**	**1610**		
	NCL-31	Oct-22		212	31.0	**1.73**		<0.0500		0.280 J	32.1	**895**	**1500**		
	NCL-31	Mar-23		190	27.6	1.25	<0.0480		<0.0420	0.266 J	30.3	**723**	**1320**		
	NCL-31	Oct-23		176	48.4	1.31	<0.0480		<0.0420	0.265 J	27.7	597	**1800**		
	NCL-31	Apr-24		689	59.9	**1.67**	<0.0480		<0.0420	0.651 J	32.7	**638**	**1360**		
	NCL-31	Oct-24		191	59.9	1.43	<0.0884		<0.0794	0.232 J	29.5	**640**	**1330**		
	NCL-32	Apr-22		454	99.8	1.21		2.89		3.71	101	**1780**	**2720**		
	NCL-32	Oct-22		513	204	1.51		0.855		3.51	111	**1750**	**2730**		
	NCL-32	Mar-23		500	181	1.04 J	2.45		<0.420	3.57	108	**1660**	**2780**		
	NCL-32	Oct-23		526	139	1.28 J	5.40		<0.420	3.45	107	**1810**	**3270**		
	NCL-32	Apr-24		560	101	**1.84**	**16.2**		<0.420	3.63	115	**1880**	**3010**		
	NCL-32	Oct-24		507	112	1.40	1.97 Q		<0.397 Q	3.20	119	**1900**	**2900 Q**		
	NCL-33	Apr-22		581 V	**794**	**2.28**		0.106		4.50	290 V	**1370**	**3930 Q**		
	NCL-33	Oct-22		542	**607**	**2.55**		<0.0500		4.55	279	**1100**	**3230 Q**		
	NCL-33	Mar-23		511	**570**	**2.79 B**	<0.480		<0.420	6.17	284	**1310**	**3190**		
	NCL-33	Oct-23		526	**589**	1.45 J	1.62		<0.420	5.93	314	**1170**	**3460**		
	NCL-33	Apr-24		520	**605**	**2.94**	<0.480		0.874 J	5.47	344	**1280**	**3530**		
	NCL-33	Oct-24		524	**618**	**2.07**	<0.0884		<0.0794	4.68	351	**1230**	**3190**		
	NCL-34A	Oct-18		270	**289**	1.21 J3J5		<0.394		1.25	111	117	**1710**		
	NCL-34A	Apr-19		251 V	**262**	1.37		<0.394		1.11	107 V	42.6	**1370**		
	NCL-34A	Oct-19		235	245	1.38		0.110		1.15	116	119	**1470**		
	NCL-34A	Jun-20		283	**260**	1.31		<5.00		1.13 J	104	234	**1680**		
	NCL-44	Apr-22		332	118	**1.64**		0.0656 J		2.17 B	145	**1380**	**1870**		
	NCL-44	Oct-22		338	123	**2.05**		<0.0500		2.05	154	**1270**	**2150**		
	NCL-44	Mar-23		345	97.6	1.52	<0.480		<0.420	2.36	150	**1250**	**2330**		
	NCL-44	Oct-23		357	95.9	**1.66**	4.04		<0.420	2.11	164	**1380**	**2610**		
	NCL-44	Apr-24		347	63.0	**2.17**	<0.480		<0.420	2.03	168	**1350**	**2600**		
	NCL-44	Oct-24		332	64.8	1.52	<0.0884 Q		<0.0794 Q	1.86 JJ4	158	**1190**	**2390**		
	NCL-49	Apr-22		473	128	0.794		**14.1**		0.661 JB	148	**2230**	**2600**		
	NCL-49	Apr-22	FD	473	126	0.820		**14.7**		0.790 JB	150	**2170**	**2370**		
	NCL-49	Oct-22		514	181	0.781 J		**13.2**		0.700 J	158	**2080**	**3040**		
	NCL-49	Oct-22	FD	472	182	0.781 J		**12.8**		0.704 J	155	**2080**	**2980**		
	NCL-49	Mar-23		503	189	1.51	**12.3 Q**		<0.420 Q	0.643 JB	161	**1920**	**3130 J3**		
	NCL-49	Mar-23	FD	496	189	1.21 JB	**11.4 Q**		<0.420 Q	0.571 JB	160	**1970**	**3810**		
	NCL-49	Oct-23		550	160	0.783 J	**17.3**		0.561 J	0.707 J	168	**2150**	**2560**		
	NCL-49	Oct-23	FD	556	161	0.847 J	**17.2**		0.518 J	0.705 J	167	**2180**	**3640**		
	NCL-49	Apr-24		534	161	<0.640	**15.3**		<0.420	0.728 J	152	**2330**	**2460**		
	NCL-49	Apr-24	FD	543	139	0.916 J	**15.2**		<0.420	0.693 J	165	**2260**	**2930**		
	NCL-49	Oct-24		542	149	0.584	**15.8**		<0.0794	0.683 J	171	**2000**	**3510**		
	NCL-49	Oct-24	FD	559	149	0.587	**16.0**		<0.0794	0.675 J	172	**1870**	**3490**		
North Refinery	MW-23	Apr-19		97.5	**444**	**1.70**		<0.0197		1.12	482	18.9	**2000**		
	MW-23	Oct-19		95.6	**428**	1.59		<0.0197		1.27	410	18.7	**2020**		
	MW-23	Jun-20		96.4	**410**	1.42		<0.500		1.10 J	426 V	15.6	**1970**		
	MW-23	Oct-20		96.8	**408**	1.19		<0.0500		1.29 J	459	7.39	**1990**		
	MW-29	Apr-22		378	**571**	**1.68**		<0.0500		2.14	317	**1720**	**3190**		
	MW-29	Oct-22		461	**631**	**1.62**		<0.0500		2.52	358	**1670**	**3130**		
	MW-29	Mar-23		421	**580**	**1.94 B**	0.694 JBQ		0.596 JQ	2.21	365	**1730**	**3800**		
	MW-29	Oct-23		388	**528**	0.970 J	<0.480 T8[R]		<0.420 T8[R]	1.94 J	381	**1100**	**3490 J3**		
	MW-29	Apr-24		304	**566**	0.989	<0.0480		<0.0420	1.84 J	359	**1090**	**3140**		
	MW-39	Apr-19		52.6	111	**4.21**		<0.0197		0.164 J	891	**1000**	**2580**		
	MW-39	Oct-19		45.8	86.8	**4.26**		<0.0197		0.245 J	771	**929**	**2590**		
	MW-39	Jun-20		61.8	97.7	**3.45**		<0.0500		<0.534	721	**821**	**2410**		
	MW-39	Oct-20		63.8	91.5	**3.28**		<0.0500		<0.534	655	**686**	**2260**		
	MW-40	Apr-17		474	156	**1.76**		<0.197		1.62	110	**1550**	**3190**		
	MW-40	Apr-18		425	141	**1.80**		<0.985		1.41	107	**1440**	**2390**		
	MW-40	Apr-19		450	106	1.52		<0.394		1.39	107	**1400**	**2600 J3**		
	MW-40	Jun-20		374	88.4	**1.88**		<0.500		1.30 J	90.4	**1380**	**2430**		

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Appendix B, Table B.5 - Summary of Groundwater Analytical Data - Water Quality and Cyanide

2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Water Quality Parameters										Cyanide
				Analyte	Calcium	Chloride	Fluoride	Nitrate	Nitrate/Nitrite	Nitrite	Potassium	Sodium	Sulfate	TDS	Cyanide
				CAS	7440-70-2	16887-00-6	16984-48-8	14797-55-8	NO3NO2	14797-65-0	7440-09-7	7440-23-5	14808-79-8	TDS	57-12-5
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	--	250	1.60	10.0	10.0	1.00	--	--	600	1000	0.200
				CGWSL Source	--	WQCC Dom	WQCC HH	WQCC HH	WQCC HH	WQCC HH	--	--	WQCC Dom	WQCC Dom	WQCC HH
Area	Well ID	Date	Dup												
North Refinery	MW-41	Apr-18		329	**682**	0.934		<0.0197		0.571 J	624	**1500**	**4060**		
	MW-41	Apr-19		238	**721**	0.884		<0.394		0.590 J	624	**1140**	**4110**		
	MW-41	Jun-20		282	**875**	1.00		<0.0500		0.653 J	828	**1780**	**4930**		
	MW-41	Apr-21		274	**856**	1.02		0.117		0.586 J	812	**1590**	**5010**		
	MW-42	Apr-19		233	**319**	0.780		<0.394		0.449 J	425	**1010**	**2590**		
	MW-42	Jun-20		246	**336**	0.851		<2.50		<0.534	358	**1020**	**3310**		
	MW-42	Apr-21		314	**585**	0.869		0.0775 J		0.397 J	452	**1290**	**3870**		
	MW-42	Apr-22		265	**699**	0.722		**14.7**		0.452 J	425	**1120**	**3770** Q		
	MW-43	Apr-19		152	**639**	**1.71**		<0.394		0.923 J	491	444	**2610**		<0.0180
	MW-43	Oct-19		205	**662**	**1.66**		<0.985		0.961 J	406	479	**2120**		<0.0180 J4
	MW-43	Jun-20		141	**547**	1.36		<0.250		0.828 J	341	198	**2210**		<0.0360
	MW-43	Oct-20		141	**550**	1.09		<0.0500		0.896 J	350	102	**2150**		<0.0180
	MW-59	Apr-17		467	184	1.13		<0.197		0.519 J	134	**1870**	**3160**		
	MW-59	Apr-18		492	180	1.31		<0.0197 J6		0.507 J	151	**1680**	**2760**		
	MW-59	Apr-19		475	173	1.10		<0.0197		0.468 J	153	**1400**	**3110**		
	MW-59	Jun-20		366	201	1.33		<0.0500		<0.534	184	**1340**	**2900**		
	MW-60	Jun-20		418	206	0.778		<2.50		<0.534	178	**1770**	**3720**		<0.0360
	MW-60	Jun-20	FD	424	219	1.18 J		<0.500		<0.534	176	**1660**	**3790**		<0.0360
	MW-60	Oct-20		418	202	0.715		0.203		<0.534	189	**1510**	**3560**		<0.0180
	MW-60	Oct-20	FD	401	219	1.21 J		<0.0500		<0.534	190	**1780**	**3660**		<0.0180
	MW-61	Apr-22		266	**352**	1.02		<2.50		0.788 J	243	500 J	**1770**		
	MW-61	Oct-22		279	**387**	1.18		<2.50		0.836 J	270	576	**1880**		
	MW-61	Mar-23		325	**365**	1.33 J	0.642 J		0.657 J	1.17 J	288	**784**	**2450**		
	MW-61	Oct-23		299	**483**	0.789 J	<0.480		<0.420	0.819 J	277	523	**2350**		
	MW-61	Apr-24		374	**710**	0.833 J	<0.480		<0.420	0.875 J	367	**808**	**2900**		
	MW-61	Oct-24		285	**573**	0.715	<0.0884 J5Q		<0.0794 Q	0.579 J	318	488	**2220**		
	MW-62	Oct-20		304	**296**	1.08		<0.0500		1.11 JB	241	531	**2370**		
	MW-62	Sep-21		376	**386**	1.03		<2.50		1.07 J	225	**703**	**2750**		
	MW-62	Apr-22		394	**317**	1.16		<1.00		1.10 J	232	**855**	**2150** J3		
	MW-62	Oct-22		300	**364**	1.22		<2.50		1.06 J	236	426	**1790**		
	MW-62R	Apr-21		183	**280**	1.02		<0.0500		1.00 J	116	2.65 J	**1340**		
	MW-62R	Apr-22		212	**287**	0.736		<1.00		0.822 J	171	120	**1560** J3		
	MW-62R	Mar-23		196	**338**	0.900	<0.0480		<0.0420	0.758 J	229	111	**1610**		
	MW-62R	Apr-24		187	**285**	0.662	0.0974 J		0.199	0.716 J	201	26.1	**1440**		
	MW-67	Oct-17		207	**305**	0.568		<0.0985		0.500 JB	200	388	**1740**		<0.00180
	MW-67	Apr-18		220	**328**	0.636		<0.197		0.573 JB	245	404	**1660**		<0.180
	MW-67	Oct-18		240	221	0.611		<0.0197		0.636 J	202	493	**1580**		<0.00180
	MW-67	Apr-19		202	**302**	0.637		<0.0197		0.538 J	225	447	**1630**		<0.00180
	MW-90	Apr-22		290	**265**	**1.78**		<1.00		0.993 J	177	**1570**	**3020**		
	MW-90	Oct-22		319	**262**	**1.89**		<2.50		1.09 J	185	**1430**	**2620**		
	MW-90	Mar-23		299	**251**	**2.06 B**	0.705 JBQ		<0.420 Q	1.06 JB	179	**1570**	**2650**		
	MW-90	Oct-23		329	**294**	1.27 J	0.767 J		<0.420	1.08 J	188	**1350**	**3110**		
	MW-90	Apr-24		325	**293**	**1.99**	<0.480		<0.420	1.06 J	217	**1510**	**3040**		
	MW-90	Oct-24		421	**303**	1.18	0.535		<0.0794	1.07 J	210	**1700**	**3670**		
	MW-91	Oct-18		433	221	1.27		<0.985		0.639 J	35.2	**966**	**2820**		
	MW-91	Apr-19		460	**295**	1.27		<1.97		0.468 J	38.9	**915**	**3290**		
	MW-91	Oct-19		451	**422**	1.29		<0.197		0.520 J	39.6	**1020**	**2430**		
	MW-91	Jun-20		478	**501**	1.19		<10.0		<0.534	36.7	**813**	**2830**		
	MW-93	Apr-17		489	192	**2.38**		<0.197		2.97	167	**1430**	**2930**		
	MW-93	Apr-18		537	193	**2.39**		<0.197		3.55	191	**1400**	**2760**		
	MW-93	Apr-19		505	214	**2.09**		0.0220 J		3.76	195	**1400**	**2810**		
	MW-93	Jun-20		491	233	**1.88**		<2.50		3.11	163	**1070**	**2820**		
	MW-94	Nov-14		190	230	0.590		<0.0200		0.580 J	370	240	**2600**		
	MW-94	Oct-15		109	245	1.01		<0.197		0.224 J	355	75.8	**2530**		
	MW-94	Apr-17		95.6	196	0.874		<0.197		0.331 J	427	85.7	**2660**		
	MW-95	Apr-17		203 V	**349**	0.868		<0.197		0.730 J	194 V	420	**1710**		
	MW-95	Apr-18		229	**258**	0.884		<0.0197		0.602 J	163	471	**1770**		
	MW-95	Apr-19		246	**264**	0.830		<0.0197		0.472 J	172	561	**2020**		
	MW-95	Jun-20		250	**300**	0.739		<0.0500		<0.534	151	**682**	**2020**		
	MW-96	Apr-22		133	149	1.27		<1.00		1.16 J	195	104	**1430** Q		
	MW-96	Oct-22		167	154	1.41		<2.50		1.10 J	205	191	**1340**		
	MW-96	Mar-23		148	146	1.04 J3	<0.0480		0.200 J5P1	0.982 J	209	117	**1340**		
	MW-96	Oct-23		159	153	1.04 J	1.25		<0.420	1.12 J	207	196	**1410**		
	MW-96	Apr-24		164	183	1.16	<0.0480		<0.0420	1.01 J	205	211	**1370**		
	MW-96	Oct-24		232	201	1.03	<0.0884		<0.0794	1.12 J	203	467	**1810**		
	MW-98	Apr-22		484	187 B	**1.70**		<2.50		0.222 J	156	**1590**	**3190** Q		
	MW-98	Oct-22		536	90.4	**2.14**		<2.50		0.323 J	145	**1410**	**2190**		
	MW-98	Mar-23		493	73.7	**2.22**	<0.480 Q		<0.420 Q	0.255 J	113	**1450**	**2840**		
	MW-98	Oct-23		527	87.6	**2.23**	<0.480 Q		<0.420 Q	0.333 J	93.8	**1250**	**2790**		
	MW-98	Apr-24		490	61.4	**2.50**	<0.0480		<0.0420	0.291 J	79.1	**1300**	**2540**		
	MW-98	Oct-24		508	26.6	**5.07**	<0.442 Q		<3.97 Q	0.511 J	46.2	**1360**	**2420**		
	MW-137	Oct-17		141	**548**	1.11		<0.394		0.979 JB	759	**683**	**2910**		<0.00180
	MW-137	Apr-18		143	**446**	1.41		<0.985		1.23	955	**713**	**3420**		<0.180
	MW-137	Oct-18		133	**406**	0.873		<1.97		0.971 J	632	384	**2730**		<0.180
	MW-137	Apr-19		142	**407**	1.28		<1.97		1.14	845	**607**	**3380**		<0.0900
	MW-138	Oct-17		124	**453**	1.06		<0.0985		1.50 B	401	27.9	**2100**		<0.00180
	MW-138	Apr-18		130	**453**	0.874		<0.0197		1.58	436	26.8	**1910**		<0.00180
	MW-138	Oct-18		122	**408**	0.802		<0.0197		1.60	362	30.3	**1510**		<0.00180
	MW-138	Apr-19		130	**435**	0.966		<0.0197		1.62	402	41.4	**1730**		<0.00180
	MW-157	Oct-24													
	RW-1	Apr-15		358	224	1.33		<0.200		3.57	210	**1330**	**2410**		
	RW-1	Apr-17		558	246	1.41		<0.197		7.37	268	**1860**	**3690**		
	RW-1	Apr-18		363	**255**	0.913		<1.97		2.24	247	**1030**	**1810**		
	RW-1	Apr-19		337	**286**	0.866		<1.97		1.87	266	**939**	**2690**		
	RW-2	Apr-15		726	**365**	**1.75**		<0.200		5.55 J	383	**3510**	**5310**		
	RW-2	Apr-17		519	**251**	**2.35**		<0.197		2.86	261	**1200**	**3030**		
	RW-2	Apr-18		402	**317**	**1.75**		<0.394		2.25	335	**731**	**2600**		
	RW-2	Mar-23		261	**274**	0.723	<0.0480		<0.0420	1.26 J	219	**687**	**2010**		
	RW-7	Apr-17		266	204	0.513		<0.197		0.922 J	105	**693**	**1740**		
	RW-7	Apr-18		295	217	1.22		<0.985		2.54	149	475	**1820**		
	RW-7	Apr-19		247	239	1.05		<0.197		1.63	150	426	**1830**		
	RW-7	Jun-20		184	218	0.995		<2.50		0.651 J	151	162	**1530**		
	RW-8	Apr-15		227	115	0.801		<0.200		0.353 J	209	473	**1600**		
	RW-8	Apr-17		218	163	0.731		<0.197		0.360 J	161	**665**	**1820**		
	RW-9	Apr-21		300	**556**	1.22		<0.500		1.27 J	439	**1180**	**3560**		
	RW-9	Apr-22		294	**554**	0.895		<2.50		1.12 J	432	**901**	**2980**		
	RW-9	Mar-23		263	**512**	1.04	0.0642 JBQ		0.0525 JQ	0.930 J	426	**967**	**3020**		
	RW-9	Apr-24		233	**480**	1.03 J	5.90 Q		<0.420 Q	0.842 J	393	**630**	**2660**		

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Appendix B, Table B.5 - Summary of Groundwater Analytical Data - Water Quality and Cyanide

2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Water Quality Parameters										Cyanide
				Analyte	Calcium	Chloride	Fluoride	Nitrate	Nitrate/Nitrite	Nitrite	Potassium	Sodium	Sulfate	TDS	Cyanide
				CAS	7440-70-2	16887-00-6	16984-48-8	14797-55-8	NO3NO2	14797-65-0	7440-09-7	7440-23-5	14808-79-8	TDS	57-12-5
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	--	250	1.60	10.0	10.0	1.00	--	--	600	1000	0.200
				CGWSL Source	--	WQCC Dom	WQCC HH	WQCC HH	WQCC HH	WQCC HH	--	--	WQCC Dom	WQCC Dom	WQCC HH
Area	**Well ID**	**Date**	**Dup**												
North Refinery	RW-10	Apr-18		499	131	**3.41**		<0.985		3.49	143	**1530**	**2670**	
	RW-10	Apr-19		572	65.9	**3.66**		<0.197		3.68	102	**1470**	**2540** J3	
	RW-10	Jun-20		485	92.9	**3.87**		<0.0500		4.43	151	**1450**	**2520**	
	RW-10	Apr-21		353	193	**3.26**		0.0679 J		3.53	312	**1110**	**2730**	
	RW-16B	Apr-18		546	43.5	**4.89**		0.894 J6		0.788 J	259	**2660**	**4240**	
	RW-16B	Apr-19		540	83.0	**4.48**		1.47 J3J6		0.677 J	333	**2690**	**4440**	
	RW-16B	Jun-20		516	181	**3.78**		<0.0500		1.65 J	492	**2970**	**4720**	
	RW-16B	Mar-23		303	**301**	<0.640	<0.480		<0.420	1.18 J	358	**1400**	**3430**	
	RW-17A	Apr-18		635	**358**	**2.31**		0.0920 J		3.87	345	**3080**	**4430**	
	RW-17A	Apr-19		563	**398**	**2.64**		<0.0197		2.97	286	**3290**	**5430**	
	RW-17A	Jun-20		554	**389**	**2.58**		0.386		4.62	306	**2940**	**5730**	
	RW-17A	Mar-23		577 V	**423**	**2.56**	<0.480 Q[R]		<0.420 Q[R]	9.15	267 O1V	**2320**	**5610**	
North RO Field	MW-117	Apr-22		571	**365**	**3.03**		1.82		5.39	169	**2140**	**3830**	
	MW-117	Oct-22		507	248	**2.89**		0.527		4.52	163	**1730**	**2960**	
	MW-117	Mar-23		503	**298**	**3.59**	2.83		<0.420	5.40	167	**1680**	**3060**	
	MW-117	Oct-23		505	**322**	**3.09**	3.59		0.739 J	5.51	169	**1660**	**2990**	
	MW-117	Apr-24		507	**375**	**3.14**	0.811		0.112 B	5.23	173	**1570**	**2980** Q	
	MW-117	Oct-24		493	**385**	**2.51**	5.79 Q		<3.97 Q	5.40	189	**1220**	**2760**	
	MW-118	Apr-22		562	**265**	**4.40**		2.25		2.09	186	**3180**	**4750**	
	MW-118	Oct-22		588	245	**4.36**		1.94		2.04	202	**2630**	**4440**	
	MW-118	Mar-23		548	248	**5.29**	4.10		<0.420	2.38	180	**2660**	**4330**	
	MW-118	Oct-23		574	246	**4.36**	5.72		0.610 J	2.18	185	**2690**	**4820**	
	MW-118	Apr-24		596	250	**4.63**	<0.480		<4.20	2.26	186	**2840**	**4680**	
	MW-118	Oct-24		638	246	**3.69**	**10.9 Q**		<3.97 Q	2.08	201	**2770**	**4500**	
	MW-119	Apr-22		585	**294**	**1.88**		1.43		0.684 J	186	**2730**	**3520**	
	MW-119	Oct-22		582	**263**	**1.69**		0.107		0.724 J	183	**2140**	**3930**	
	MW-119	Mar-23		546	**270**	**1.63**	<0.480		<0.420	0.631 J	176	**2240**	**3460**	
	MW-119	Oct-23		555	**270**	**1.83**	<0.480		0.624 J	0.741 J	175	**2250**	**4110**	
	MW-119	Apr-24		558	**265**	**1.81**	<0.480		<4.20	0.675 J	170	**2200**	**2840**	
	MW-119	Oct-24		567	**256**	1.31	8.08 Q		<3.97 Q	0.668 J	184	**2000**	**3600**	
	MW-140	Mar-23		507	243	1.48 J	7.69 B		<0.420	36.7	198	**1730**	**3320**	
	MW-140	Oct-23		497	224	1.40 J	**14.3**		<0.420	31.2	208	**1520**	**3170**	
	MW-140	Apr-24		424	220	**1.79**	**27.9 Q**		<0.420 Q	24.6	188	**1560**	**2760**	
	MW-140	Oct-24		493	218	0.794	**21.4 Q**		<0.397 Q[R]	3.39	203	**1420**	**3140**	
	MW-141	Mar-23		506	216	1.27 J	5.45 B		<0.420	2.09	51.6	**1430**	**2920**	
	MW-141	Oct-23		530	211	<0.640	5.14		<0.420	0.989 J	55.2	**1310**	**2590** Q	
	MW-141	Apr-24		486	207	**1.85**	**17.4 Q**		<0.420 Q	1.19 J	54.8	**1470**	**2540**	
	MW-141	Oct-24		530	167	0.979 J	3.56 BQ		<0.794 Q	1.43 J	58.3	**1790**	**2870**	
	MW-142	Mar-23		576	**262**	**1.81**	<0.480		<0.420	0.992 J	170	**2100**	**4680**	
	MW-142	Oct-23		558	**261**	**2.24**	1.37		<0.420	0.921 J	158	**2040**	**3810**	
	MW-142	Apr-24		585	**267**	1.52	<0.480		<4.20	1.00 J	172	**2220**	**3520**	
	MW-142	Oct-24		540	**254**	1.44	6.99 Q		<3.97 Q	1.04 J	156	**2150**	**3650**	
	MW-143	Mar-23		510	228	**1.62**	<0.480		<0.420	0.725 J	198	**2370**	**3660**	
	MW-143	Oct-23		505	236	1.35 J	1.69		<0.420	0.754 J	197	**2460**	**4470**	
	MW-143	Apr-24		529	243	**2.02**	<0.480		<4.20	0.821 J	204	**2570**	**3710**	
	MW-143	Oct-24		503	239	1.45 J	<0.884 Q		<7.94 Q	0.691 J	193	**2470**	**4070**	
	MW-162	Oct-24		570	229	0.935	8.82 Q		<3.97 Q	2.22	205	**2610**	**4080**	
South Refinery	KWB-2R	Oct-19		169	**253**	0.927		<0.0197		0.534 J	246	345	**1590** J3	
	KWB-2R	Mar-23		254	234	1.30 JB	<0.480 Q		<0.420 Q	0.568 J	258	**931**	**2260**	
	KWB-2R	Oct-23		285	**268**	0.716 J	1.01		<0.420	0.469 J	257	**1050**	**2650**	
	KWB-2R	Apr-24		268	250	0.804 B	0.471 B		0.0969 JB	0.364 J	244	**1080**	**2310** Q	
	KWB-5	Oct-17		220	**565**	0.877		0.0530 J		1.41	208	21.9	**1560**	
	KWB-5	Apr-18		233	**546**	0.861		1.93		1.95	215	9.96	**1730**	
	KWB-5	Oct-18		200	**546**	0.869		<0.0197		1.76 JB	208	11.8	**1450**	
	KWB-5	Apr-19		244	**525**	0.761		<0.0197		2.10	241	18.7	**1680**	
	KWB-6	Apr-17		227	**260**	0.965		0.556 J		0.183 J	120	211	**1630**	
	KWB-6	Oct-17		256	**290**	0.842		<0.394		0.162 J	131	377	**1890**	
	KWB-6	Apr-18		248	248	0.897		0.0380 J		0.268 J	138	272	**1600**	
	KWB-6	Oct-18		223	240	0.801		<0.0197		0.230 J	122	324	**1680** J3	
	MW-28	Apr-19		361	138	1.14		<0.985		0.964 J	112	**1030**	**2920**	<0.0180
	MW-28	Oct-19		360	143	1.60		<0.985		0.571 JB	101	**1630**	**2860**	<0.0180 J4
	MW-28	Jun-20		285	149	1.10		<0.250		4.23	109	**1310**	**2610**	<0.0360
	MW-28	Oct-20		281	132	1.02		<0.0500		4.03	114	**1140**	**2670**	<0.00180
	MW-48	Apr-18		200	**689**	**1.90**		0.0860 J		0.776 J	269	9.52	**2490**	
	MW-48	Oct-18		172 V	**498**	1.20		<0.394		0.863 J	293 V	125	**1730** J4	
	MW-48	Apr-19		168	179	**1.82**		<0.394		1.16	290	**1210**	**1630** J4	
	MW-48	Oct-19		159	**429**	1.08		<0.985		1.12	297	85.7	**1580** J3	
	MW-50	Apr-22		376	**281**	**2.99**		6.75		3.59	456	**3250**	**5260** Q	
	MW-50	Oct-22		506	**313**	**3.94**		**50.8**		3.65	574	**3930**	**5930**	
	MW-50	Mar-23		431	183	**3.61**	**55.7 Q**		<0.420 Q	4.59	338	**2340**	**5750**	
	MW-50	Oct-23		427	166	**2.34**	**18.7**		0.566 J	5.21	299	**2070**	**4400**	
	MW-50	Apr-24		418	177	**2.66**	**26.5**		0.784 J	2.98	361	**2890**	**5220**	
	MW-50	Oct-24		433	185	**2.30**	0.751		0.257	2.79	367	**2670**	**4740**	
	MW-52	Apr-22		187	176	**1.81**		**19.2**		0.373 J	309	**994**	**2450**	<0.00180
	MW-52	Oct-22		198	182	**1.99**		**11.1**		0.271 J	338	**1130**	**2040**	<0.00180
	MW-52	Mar-23		210	163	**2.03**	7.65 Q		<0.0420 Q	0.315 J	308	**1040**	**2150**	<0.00900
	MW-52	Oct-23		178	185	**1.70**	1.23		<0.0420	0.375 J	326	**748**	**2000**	<0.00180
	MW-52	Apr-24		128	147	**2.09**	1.83		0.0793 JB	0.415 J	269	**677**	**1600**	<0.00180
	MW-52	Oct-24		156	177	**1.69**	1.21 Q		<0.0794 Q[R]	0.224 JBJ4	316	**820**	**1880**	0.00285 J
	MW-64	Apr-22		79.2	**295**	0.619		<0.500		0.571 J	318	1.81 J	**1310**	
	MW-64	Oct-22		87.2	**294**	0.723		<0.250		0.537 J	338	3.00 J	**1500**	
	MW-64	Mar-23		88.2	**309**	1.05	<0.0480		<0.0420	0.588 J	350	3.45 J	**1390**	
	MW-64	Oct-23		90.5	**289**	0.750	0.357		<0.0420	0.548 J	333	8.17	**1600**	
	MW-64	Apr-24		82.5	**296**	0.787	0.745 Q		<0.0420 Q	0.535 J	316	5.30	**1300**	
	MW-64	Oct-24		88.8	**274**	0.756	<0.0884		<0.0794	0.549 J	346	6.30	**1540**	
	MW-65	Oct-19		113	234	1.23		<0.0197		0.466 J	223	5.53 B	**1080**	
	MW-65	Mar-23		158	**272**	1.46	0.0496 J		<0.0420	0.670 J	255	47.8	**1480**	
	MW-65	Oct-23		119	211	1.08	<0.0480		0.100	0.419 J	212	2.01 J	**1150**	
	MW-65	Apr-24		117	232	1.24	0.340		<0.0420	0.496 J	214	1.31 J	**1100**	
	MW-66	Oct-19		121	168	1.04		<0.0197 J6		1.18	131	6.99	912	<0.00180
	MW-66	Jun-20		136	188	1.13		0.0979 J		0.842 J	155	1.16 J	**1070**	<0.00180
	MW-66	Oct-20		140	189	1.12		<0.0500		1.71 JB	145	6.68	**1060**	<0.00180
	MW-66	Apr-21		176	**257**	1.26		0.0769 J		2.12	205	1.59 J	**1230**	<0.00180
	MW-99	Oct-18		162	**254**	0.612		<0.394		0.792 J	212	124	**1420**	
	MW-99	Apr-19		184	225	0.572		<0.394		1.31	214	145	**1390**	
	MW-99	Oct-19		109	66.7	0.517		0.0300 J		4.66	58.1	81.1	547	
	MW-99	Jun-20		138	73.2	0.323		<0.0500		7.77	60.7	109	727	

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Appendix B, Table B.5 - Summary of Groundwater Analytical Data - Water Quality and Cyanide

2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Water Quality Parameters										Cyanide
				Analyte	Calcium	Chloride	Fluoride	Nitrate	Nitrate/Nitrite	Nitrite	Potassium	Sodium	Sulfate	TDS	Cyanide
				CAS	7440-70-2	16887-00-6	16984-48-8	14797-55-8	NO3NO2	14797-65-0	7440-09-7	7440-23-5	14808-79-8	TDS	57-12-5
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	--	250	1.60	10.0	10.0	1.00	--	--	600	1000	0.200
				CGWSL Source	--	WQCC Dom	WQCC HH	WQCC HH	WQCC HH	WQCC HH	--	--	WQCC Dom	WQCC Dom	WQCC HH
Area	**Well ID**	**Date**	**Dup**												
South Refinery	MW-101	Apr-22		164	190	0.931		<0.500		0.762 J	135	125	**1210**		
	MW-101	Oct-22		168	177	1.10		<0.250		0.715 J	148	114	**1130** J3		
	MW-101	Mar-23		279	101	1.47 J	<0.480		<0.420	1.67 J	125	534	**1710**		
	MW-101	Oct-23		126	82.4 J6	1.07	0.119		<0.0420	0.602 J	134	80.4 J6	978		
	MW-101	Apr-24		122	51.8	1.22	<0.0480		<0.0420	0.606 J	136	138	902		
	MW-101	Oct-24		290	29.3	1.39 J3	<0.0884 J5Q		<0.0794 Q	1.27 J	58.0	**683**	**1570**		
	MW-102	Apr-22		77.1	153	0.815		<2.50		0.289 J	357	23.3	**1390**		
	MW-102	Apr-22	FD	78.1	143	0.812		<2.50		0.297 J	361	23.5	**1350**		
	MW-102	Oct-22		98.3	131	1.14 J		<2.50		0.279 J	358	84.5	**1280**		
	MW-102	Oct-22	FD	99.2	134	1.15 J		<2.50		0.291 J	366	97.1	**1380**		
	MW-102	Mar-23		169	150	1.30 JB	0.699 JBQ		<0.420 Q	0.469 J	351	353	**1650**		
	MW-102	Mar-23	FD	168	143	**2.31**	<0.480 Q		<0.420 Q	0.460 J	351	315	**1620**		
	MW-102	Oct-23		124	162	<0.640	0.514 J		<0.420	0.395 J	347	86.5	**1590**		
	MW-102	Oct-23	FD	125	153	1.23 J	0.927 J		<0.420	0.402 J	358	93.1	**1520**		
	MW-102	Apr-24		104	195	0.895	<0.0480		<0.0420	0.471 J	374	55.8	**1340**		
	MW-102	Apr-24	FD	105	179	0.984	0.0966 J		0.130	0.477 J	390	53.6	**1420**		
	MW-102	Oct-24		97.6	161	0.480	<0.0884		<0.0794	0.358 J	358	2.21 J	**1490**		
	MW-102	Oct-24	FD	98.3	163 V	0.522	<0.0884		<0.0794	0.370 J	358	2.86 JP1	**1500**		
	MW-103	Apr-21		186	**4530**	**3.47**		<0.500		1.26 J	3010	157 J	**8460**		
	MW-103	Apr-22		81.5	**4670**	**4.33**		<0.500		1.06 J	2800	67.2	**8280** Q		
	MW-103	Mar-23		65.4	**2590**	**3.87**	<0.480		<0.420	0.809 J	2150	114	**5820**		
	MW-103	Apr-24		79.3	**2900**	**4.34**	<0.480		<0.420	0.787 J	2150	236	**6140**		
	MW-104	Apr-22		190	41.6	1.28		<0.500		3.79	47.4	**623**	**1060**		
	MW-104	Oct-22		198	58.2	1.58		<2.50		5.40	60.2	542	**1030**		
	MW-104	Mar-23		179	39.9	**1.91**	0.402		<0.0420	4.70	56.4	471	**1200** J3		
	MW-104	Oct-23		269	81.3	**1.63**	0.868		<0.0420	7.17	74.4	<0.594	**1630**		
	MW-104	Apr-24		206	173	**1.83**	0.203 B		<0.0420	5.21	78.4	500	**1200**		
	MW-104	Oct-24		200	92.8	**1.82**	<0.442		<0.397	4.93	130	**781**	**1410**		
	MW-105	Apr-22		400	50.7	1.24		<2.50		3.58	58.4	**1020**	**1980**		
	MW-105	Oct-22		181	17.8	0.633		8.85		4.04	11.7	372	740 J3		
	MW-105	Mar-23		282	31.1	0.775 J	<0.480		0.652 J	3.58	32.9	418	**1390** J3		
	MW-105	Oct-23		121	8.77	0.430	0.315		0.330	2.67	7.23	251	492		
	MW-105	Apr-24		260	74.0	1.01	<0.0480		<0.0420	3.93	68.0	281	**1180**		
	MW-105	Oct-24		353	57.1	**10.7**	<0.442 Q		<0.397 Q	4.86	48.2	**809**	**1700**		
	MW-106	Apr-21		308	**322**	1.01		<0.0500		1.02 J	333	**1580**	**3260**		
	MW-106	Oct-23		44.0	46.7	0.970	1.08 T8		**1.79** T8	3.64	174	250	647		
	MW-106	Apr-24		317	201	0.916 J	<0.480		<0.420	2.34	266	**1160**	**2610**		
	MW-106	Oct-24		225	145 J6	0.835	<0.0884 Q		<0.0794 Q	1.64 J	173	**717**	**1890**		
	MW-107	Oct-15		176	**297**	**1.67**		<0.197		0.880 J	76.9	102	**1390**		
	MW-107	Apr-17		140	**313**	**1.76**		<0.197		0.655 J	75.4	<0.0774	**1260**		
	MW-107	Apr-18		147	**269**	**1.66**		0.0410 J		0.555 J	81.7	1.08 J	**1370**		
	MW-107	Apr-19		147	246	1.33		<0.0197		0.631 J	82.5	0.657 J	**1270**		
	MW-109	Apr-22		60.9	201	**1.96**		<1.00		0.852 J	389	276	**1910**		
	MW-109	Oct-22		113	198	**1.83**		<0.250		1.12 J	431	207	**1210**		
	MW-109	Mar-23		62.3	188	**2.22**	<0.480 Q[R]		<0.420 Q[R]	0.609 J	416	315	**1460**		
	MW-109	Oct-23		78.1	198	1.58	0.490 J		<0.420	0.718 J	417	257	**1830**		
	MW-109	Apr-24		57.4	188	**1.89**	0.335 B		<0.0420	0.900 J	373	293	**1360**		
	MW-109	Oct-24		64.8	196	**1.67**	0.130 Q		<0.0794 Q[R]	0.627 JBJ4	449	260	**1790**		
	MW-110	Apr-22		66.3	76.1	**1.82**		<0.0500		0.260 J	239	77.3	**1060**		
	MW-110	Oct-22		94.2	31.7	1.30		<0.0500		<0.108	251	483	**1230**		
	MW-110	Mar-23		102	32.3	1.55	<0.0480 Q		<0.0420 Q	<0.108	249	512	**1260**		
	MW-110	Oct-23		119	39.4	0.696 J	1.10		<0.420	<0.108	259	537	**1380**		
	MW-110	Apr-24		109	38.2	1.19	3.37 Q		<0.0420 Q	0.268 J	214	579	**1260**		
	MW-110	Oct-24		123	50.9	1.38	<0.0884 Q[R]		<0.0794 Q[R]	0.121 JBJ4	224	**631**	**1370**		
	MW-139	Apr-22		328	160 B	0.621		0.0594 J		0.463 J	234	**1870**	**2170**		
	MW-139	Oct-22		369	152	0.831 J		<2.50		0.471 J	244	**1830**	**2990**		
	MW-139	Mar-23		348	139	0.764 J	0.690 JB		<0.420	0.473 JB	265	**1720**	**3830**		
	MW-139	Oct-23		347	135	0.834 J	1.93		0.675 J	0.425 J	229	**1660**	**3250**		
	MW-139	Apr-24		365	141	0.772 J	<0.480		0.680 J	0.455 J	264	**1770**	**2890**		
	MW-139	Oct-24		343	151	0.623	<0.0884		<0.0794	0.407 J	283	**1540**	**3170**		
	MW-158	Oct-24													
	MW-159	Oct-24													
	RA-313	Apr-21		214	153	0.817		0.640		1.50 J	99.8 V	545	**1310**		
	RA-313	Apr-22		214	144	0.938		0.604		1.52 J	100	553	**1220**		
	RA-313	Mar-23		184	70.8	1.45 J	0.997 JQ		<0.420 Q	1.18 J	45.0	443	912		
	RA-313	Apr-24		185	193	0.884	<0.0480 Q		<0.0420 Q	1.14 J	105	592	**1870**		
	RW-4	Jun-20		201	232	0.778		<0.500		1.13 J	130	446	**1710**		
	RW-4	Apr-22		223	218	0.648		<2.50		0.912 J	125	523	**1480**		
	RW-4	Mar-23		205	159	0.729	<0.0480		0.0465 J	0.973 J	117	433	**1440**		
	RW-4	Apr-24		187	153	0.752	<0.0480		<0.0420	0.903 J	113	362	**1370**		
	RW-5R	Apr-15		4.82	**260**	0.965		<0.0200		0.461 J	189	0.376 J	565		
	RW-6	Apr-18		183	**409**	0.804		0.0460 J		0.684 J	224	45.6	**1530**		
	RW-6	Apr-19		165	**325**	0.620		<0.394		0.598 J	191	3.36 J	**1350**		
	RW-6	Mar-23		331	**343**	0.881	<0.0480		0.0573 JP1	1.33 J	199	547	**2160**		
	RW-6	Apr-24		201	**435**	0.629	<0.0480		<0.0420	0.835 J	211 V	265	**1550** J3		
	RW-15C	Apr-17		160	**409**	0.774		0.442 J		1.59	269	19.4	**1610**		
	RW-15C	Apr-18		211 V	**652**	0.868		<0.0197		1.28	349 V	0.754 J	**1850**		
	RW-15C	Apr-19		247	**264**	0.882		<0.0197		1.63	322	**1070**	**2110** J4		
	RW-19	Apr-24		181	**434**	0.803	<0.0480		<0.0420	0.538 J	352	302	**1530**		
South RO Field	MW-114	Apr-22		380	114	**2.75**		<0.0500		1.89 J	97.1	**1320**	**2080**		
	MW-114	Oct-22		467	**408**	**2.25**		<0.0500		2.09	158	**1170**	**2670**		
	MW-114	Mar-23		523	**364**	**3.42**	2.46 Q		<0.420 Q	1.61 J	123	**1600**	**2840**		
	MW-114	Oct-23		471	**300**	**2.29**	<0.480		0.684 J	2.13	169	**1320**	**2800**		
	MW-114	Apr-24		308	83.2	**2.86**	<0.0480		<0.0420	1.86 J	122	**1270**	**2150** Q		
	MW-114	Oct-24		384	139	**3.31**	1.35 Q		<0.0794	2.01	135	**1180**	**2040**		
	MW-115	Apr-22		437	**342**	1.57		1.60		0.516 J	219	**2220**	**4070** Q		
	MW-115	Oct-22		433	**306**	**1.85**		0.492		0.363 J	251	**1870**	**3390**		
	MW-115	Mar-23		442	**297**	**2.01**	1.21 Q		<0.420 Q	0.614 J	256	**1840**	**3280**		
	MW-115	Oct-23		440	**293**	**1.86**	0.788 J		<0.420	0.492 J	268	**1900**	**3330**		
	MW-115	Apr-24		347	**301**	**1.61**	<0.480 Q		<0.420 Q	0.542 J	227	**1880**	**1690**		
	MW-115	Oct-24		407	**303**	1.43	1.25		<0.0794	0.485 J	272	**1770**	**3090**		
	MW-116	Apr-22		534	**320** B	1.56		0.505		1.09 J	164	**2300**	**4010**		
	MW-116	Oct-22		573	**321**	1.57		0.313		1.03 J	167	**1910**	**3980**		
	MW-116	Mar-23		531	**320**	**1.88**	<0.480 Q		<0.420 Q	1.08 J	160	**2110**	**3550**		
	MW-116	Apr-24		544	**290**	**1.83**	<0.480 Q		<0.420 Q	1.14 J	158	**1890**	**3920**		
	MW-116	Oct-24		594	**287**	**1.86**	<0.884		<0.794	1.35 JBJ4	177	**2380**	**3930**		
	MW-144	Mar-23		638	**421**	**4.06**	4.24		<0.420	1.59 J	189	**2380**	**3950**		
	MW-144	Oct-23		685	**652**	**2.39**	6.08		<0.420	1.54 J	210	**2170**	**3070**		
	MW-144	Apr-24		657	**498**	**3.15**	5.47		<0.420	1.69 J	211	**2360**	**4860**		
	MW-144	Oct-24		668	**692**	**2.69**	**13.4 Q**		<0.794 Q	1.54 J	209	**2360**	**5060**		
	MW-163	Oct-24		542	**283**	**2.06**	<0.884 Q		<7.94 Q	1.62 J	169	**2370**	**3990**		

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Appendix B, Table B.5 - Summary of Groundwater Analytical Data - Water Quality and Cyanide

2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Water Quality Parameters										Cyanide
				Analyte	Calcium	Chloride	Fluoride	Nitrate	Nitrate/Nitrite	Nitrite	Potassium	Sodium	Sulfate	TDS	Cyanide
				CAS	7440-70-2	16887-00-6	16984-48-8	14797-55-8	NO3NO2	14797-65-0	7440-09-7	7440-23-5	14808-79-8	TDS	57-12-5
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	--	250	1.60	10.0	10.0	1.00	--	--	600	1000	0.200
				CGWSL Source	--	WQCC Dom	WQCC HH	WQCC HH	WQCC HH	WQCC HH	--	--	WQCC Dom	WQCC Dom	WQCC HH
Area	Well ID	Date	Dup												
TEL	MW-49	Apr-22		144 V	**265**	1.30		<0.500		1.76 J	270 V	258	**1470**	<0.0900	
	MW-49	Oct-22		146	233	1.47		<2.50		1.93 J	277	179	**1410**	<0.0450	
	MW-49	Mar-23		130	204	1.55	<0.0480		<0.0420	2.03	271	154 J6	**1530**	<0.0450	
	MW-49	Oct-23		144	199 V	1.32	<0.0480 T8[R]		<0.0420 T8[R]	2.34	277	92.5	**1290**	<0.0720	
	MW-49	Apr-24		132	213	1.34	0.334 B		<0.0420	2.48	269	106	**1490**	0.0394 P1	
	MW-49	Oct-24		128	216	1.24	0.127		<0.0794	1.76 J	260	149	**1490**	<0.00900	
	TEL-1	Oct-18		160	238	**2.13**		<0.394		0.650 J	474	**719**	**2080**		
	TEL-1	Apr-19		172	250	**2.14**		<0.394		0.685 J	460	**803**	**2000**		
	TEL-1	Oct-19		144	234	**2.23**		<0.0197		0.629 J	474	**640**	**2200**		
	TEL-1	Jun-20		143	184	**1.98**		<0.500		0.565 J	435	**699**	**2140**		
	TEL-2	Oct-18		266	205	0.967		<0.394		1.14	363	**1360**	**2730**		
	TEL-2	Apr-19		274	224	1.09		<0.394		1.73	377	**1250**	**2940**		
	TEL-2	Oct-19		298	159	1.28 B		<0.394		1.30	407	**1610**	**3550**		
	TEL-2	Jun-20		280	130	0.988		<0.500		1.05 J	373	**1540**	**3400**		
	TEL-3	Apr-18		302	**696**	**2.51**		<0.0985		6.00	308	442	**2440**		
	TEL-3	Apr-19		562	52.7	**2.77**		<0.0985		5.37	44.1	**1300**	**2290**		
	TEL-3	Oct-19		603	36.7	**3.06**		<0.985		5.26	36.2	**1470**	**2790**		
	TEL-3	Oct-20		424	114	**1.73**		<0.0500 J6		2.55	86.5	**1290**	**2880**		
	TEL-4	Apr-22		245	138 B	1.14		<0.500		0.499 J	320	**1310**	**2330**		
	TEL-4	Apr-22	FD	242	132 B	1.13		<0.500		0.508 J	326	**1300**	**2130**		
	TEL-4	Oct-22		275	209	1.05		<0.250		0.570 J	382	**1290**	**2570**		
	TEL-4	Oct-22	FD	282	204	1.03		<0.250		0.580 J	385	**1290**	**2530**		
	TEL-4	Mar-23		343	154	**2.23**	<0.480 Q[R]		<0.420 Q[R]	0.613 J	301	**1720**	**3180**		
	TEL-4	Mar-23	FD	346	150	**2.71**	<0.480 Q[R]		<0.420 Q[R]	0.626 J	287	**1740**	**3510**		
	TEL-4	Oct-23		190	71.3	1.30	0.171 Q[R]		<0.0420 Q	0.504 J	279	**934**	**1930**		
	TEL-4	Oct-23	FD	195	71.6	1.10	0.207 T8[R]		<0.0420 T8	0.496 J	288	**897**	**1810**		
	TEL-4	Apr-24		135	26.0	1.48	<0.0480		<0.0420	0.438 J	195	**619**	**1300**		
	TEL-4	Apr-24	FD	135	32.8	1.25	<0.0480		<0.0420	0.435 J	176	**633**	**1410**		
	TEL-4	Oct-24		147	21.3	1.42	<0.0884 Q		<0.794 Q	0.490 J	155	**652**	**1480**		
	TEL-4	Oct-24	FD	154	21.3	1.44	<0.0884		<0.0794	0.520 J	166	**667**	**1440**		
Three Mile Ditch	MW-8	Apr-21		595	**625**	1.55		**19.4**		2.05	464	**2690**	**5790**		
	MW-8	Apr-22		542	**724**	**2.08**		**14.7**		2.06	433	**3040**	**5650** Q		
	MW-8	Mar-23		546	**678**	**2.09**	9.45 Q		<0.420 Q	1.96 J	418	**2380**	**4110**		
	MW-8	Apr-24		464	**675**	**1.73**	9.57		<0.420	1.80 J	390	**2420**	<100		
	MW-16	Apr-21		487	**339**	**2.34**		1.20		8.73	371	**2040**	**4000**		
	MW-16	Apr-22		500	**363**	**2.63**		0.512		7.99	305	**2350**	**3980** Q		
	MW-16	Mar-23		508	**328**	**2.67**	3.57		<0.420	7.52	282	**2000**	**3580**		
	MW-16	Apr-24		508 V	**313**	**2.37**	1.63 B		0.549 JB	7.79	270 V	**1790**	**3190**		
	MW-20	Apr-21		572	**399**	**1.85**		3.60		0.598 J	295	**2590**	**4820**		
	MW-20	Apr-22		513 V	**518**	**1.85**		5.45		0.566 J	250 V	**2570**	**4530**		
	MW-20	Mar-23		630	**833**	**2.22**	9.18 Q		<0.420 Q	0.661 J	283	**2150**	**4550**		
	MW-20	Apr-24		568	**934**	**2.80**	9.45		<0.420	0.565 J	264	**2390**	860		
	MW-21	Apr-22		541	**703**	**2.22**		**13.5**		2.20	422	**2960**	**5190**		
	MW-21	Oct-22		545	**670**	**1.93**		**13.4**		1.80 J	423	**2440**	**4440**		
	MW-21	Mar-23		539	**661**	**1.90**	8.08 Q		<0.420 Q	2.06	410	**2310**	**4630**		
	MW-21	Oct-23		540	**654**	**1.73**	**12.1**		<0.420	2.02	404	**2300**	**3170**		
	MW-21	Apr-24		523 V	**675**	1.24 J	**10.9**		<0.420	2.07	421 V	**2380**	**2400**		
	MW-21	Oct-24		551	**678**	1.27 J	3.94 BQ		<0.794 Q	2.51	437	**2770**	**5250**		
	MW-25	Apr-21		358	**940**	1.01		0.466		3.54	472	**1350**	**3660**		
	MW-25	Apr-22		1250	**5220**	1.10		<0.0500		7.69	2480	**3430**	**25300**		
	MW-25	Mar-23		1220	**5740**	1.32 JB	<0.480		**2.51**	7.53	2530	**2520**	**14700**		
	MW-25	Apr-24		540	**1350**	1.21 J	0.839 JB		0.905 JB	5.64	952	**1630**	**4240**		
	MW-26	Apr-21		517	**527**	**1.82**		1.79		4.86	530	**3130**	**5690**		
	MW-26	Apr-22		505	**605**	**2.36**		1.52		4.50	452	**3670**	**6070** Q		
	MW-26	Mar-23		506	**489**	**1.91**	1.07 Q		0.645 J	4.32	442	**2950**	**4310**		
	MW-26	Apr-24		515	**439**	**2.61**	1.75 B		0.634 JB	4.29	414	**2830**	**4760**		
	MW-27	Apr-21		335	60.0	1.18		0.418		7.70	94.6	**1110**	**1990**		
	MW-27	Apr-22		338	45.5	1.16		0.598		8.41	86.4	**1270 V**	**2060**		
	MW-27	Mar-23		308	39.1 B	**1.73 B**	0.826 J		<0.420	7.41	77.4	**1120**	**1870**		
	MW-27	Apr-24		320	81.9	1.50 J	1.03 B		0.592 JB	7.66	72.5	**1040**	**1690**		
	MW-46R	Apr-22		372	48.7	1.45		1.25		0.558 J	124	**1740**	**3970**		
	MW-46R	Oct-22		398	28.4	1.58		0.212		0.946 J	122	**1360**	**1720**		
	MW-46R	Mar-23		342	36.9	**1.83**	<0.480		<0.420	0.537 J	111	**1440**	**2240**		
	MW-46R	Oct-23		450	29.0	**1.73**	0.715 J		<0.420	0.918 J	104	**1190**	**2040**		
	MW-46R	Apr-24		333	35.4	**1.76**	<0.0480		<0.0420	0.461 J	102	**1220**	**2150**		
	MW-46R	Oct-24		352 V	46.8	**1.83**	<0.884		<0.794	0.457 JBJ4	103 V	**1600**	**2280**		
	MW-68	Apr-21		412	244	**1.70**		1.70		5.09	235	**1520**	**3090**		
	MW-68	Apr-22		390	**261 B**	**1.67**		2.47		5.07	218	**1720**	**3010**		
	MW-68	Mar-23		337	231	**1.84**	1.91		<0.420	4.65	222	**1420**	**2900**		
	MW-68	Apr-24		342	**405**	0.211 B	4.54 B		<0.420	4.65	213	**1650**	**2210**		
	MW-71	Apr-21		625	**689**	**1.62**		**27.8**		3.42	532	**2810**	**6010**	<0.0450	
	MW-71	Apr-22		573	**756**	**2.07**		**22.2**		3.31	512	**3280**	**5680**	<0.00180	
	MW-71	Mar-23		592	**706**	**1.94 B**	**16.3 Q**		<0.420 Q	3.27	511	**3010**	**4930**	<0.00900	
	MW-71	Apr-24		506	**695**	**2.13**	**30.8**		<0.420	3.03	434	**2730**	**1600**	<0.00360	
	MW-89	Apr-21		451	196	**2.35**		1.05		7.06	139 V	**1370**	**2650**		
	MW-89	Apr-22		421	183	**2.82**		1.29		7.91	143	**1640**	**2710**		
	MW-89	Mar-23		410	184	**2.63**	0.914 J		<0.420	7.45	135	**1370**	**2520**		
	MW-89	Apr-24		444	154	**2.63**	0.982 JB		0.540 JB	7.76	139	**1420**	**2010**		
	MW-152	Oct-24													
	MW-153	Oct-24													
	MW-154	Oct-24													
	MW-155	Oct-24													
	MW-156	Oct-24													
	NP-1	Apr-22		392	**411**	**1.96**		1.29		1.70 J	279	**1920**	**3760** Q		
	NP-1	Oct-22													
	NP-1	Mar-23		428	**472**	**1.98**	<0.480 Q		<0.420 Q	1.62 J	318	**1920**	**3610**		
	NP-1	Oct-23													
	NP-1	Apr-24		343	**416**	**1.74**	**10.4 Q**		<0.420 Q	1.67 J	244	**1690**	**3870**		
	NP-1	Oct-24													
	NP-6	Apr-17													
	NP-6	Apr-19													
	NP-6	Apr-21													
	NP-6	Mar-23													

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Appendix B, Table B.5 - Summary of Groundwater Analytical Data - Water Quality and Cyanide

2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	Water Quality Parameters										Cyanide
				Analyte	Calcium	Chloride	Fluoride	Nitrate	Nitrate/Nitrite	Nitrite	Potassium	Sodium	Sulfate	TDS	Cyanide
				CAS	7440-70-2	16887-00-6	16984-48-8	14797-55-8	NO3NO2	14797-65-0	7440-09-7	7440-23-5	14808-79-8	TDS	57-12-5
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	--	250	1.60	10.0	10.0	1.00	--	--	600	1000	0.200
				CGWSL Source	--	WQCC Dom	WQCC HH	WQCC HH	WQCC HH	WQCC HH	--	--	WQCC Dom	WQCC Dom	WQCC HH
Area	**Well ID**	**Date**	**Dup**												
Upgradient	UG-1	Apr-21		499	93.5	0.638		**11.1**		1.19 JB	93.1	**1860**	**2950**	<0.00180	
	UG-1	Apr-22		536	113	0.662		**12.4**		0.985 J	84.8	**2330**	**3570**	<0.00180	
	UG-1	Mar-23		509	136	0.792 J	**12.9**		<0.420	0.959 J	93.3	**1970**	**3050**	<0.00360	
	UG-1	Apr-24		392	41.0	<0.640	<0.480		<0.420	0.786 J	64.2	**1700**	**2850**	<0.00360	
	UG-2	Apr-21		330	66.3	1.36		7.30		1.33 JB	83.6	**1070**	**1710**	0.00321 J	
	UG-2	Apr-22		310	70.4	1.41		9.64		1.20 J	78.9	**1080**	**1950**	<0.00180	
	UG-2	Mar-23		302	56.0	1.24	6.05		<0.210	1.05 J	77.6	**960**	**1840**	<0.00360	
	UG-2	Apr-24		268	47.5	1.24 J	**12.4**		0.461 J	0.950 J	66.8	**928**	**1660**	<0.00360	
	UG-3R	Apr-21		489	61.7	0.466		3.16		2.10	34.9	**1530**	**2300**	<0.00180	
	UG-3R	Apr-22		529 V	58.4	0.433		2.49		2.01	31.9	**1840**	**2860**	<0.00180	
	UG-3R	Mar-23		491	73.6	0.664 J	4.61		<0.420	2.05	42.6	**1590**	**2350**	<0.00180	
	UG-3R	Apr-24		565	121	<0.640	**20.3**		0.606 J	2.17	37.0	**1670**	**2550**	0.0129 J	
	UG-4	Apr-21		635	76.0	0.676 J		0.491		1.82 J	164	**2610**	**3800**	<0.00180	
	UG-4	Apr-22		614	112	0.441		0.307 J3J6		1.96 J	197	**2890**	**4280**	<0.00180	
	UG-4	Mar-23		548	79.5	0.770 J	<0.480		<0.420	1.94 J	306	**2760**	**4350**	<0.00180	
	UG-4	Apr-24		611	58.3	<0.640	<0.480		0.454 J	2.09	347	**3290**	**3770**	<0.00180	

Definitions

X	Reported concentration, X, exceeds the CGWSL.
X	Analyte detected above the detection limit at a concentration equal to X.
<x	Analyte not detected at detection limit equal to x.
<x	Analyte not detected at detection limit equal to x, but x exceeds the CGWSL.
	Blank cell indicates a sample was collected from the well during the indicated sampling event, but the analyte was not analyzed.
--	No applicable CGWSL.

Abbreviations

CGWSL	Critical Groundwater Screening Level (see Table 3)
CGWSL Source	Source for CGWSL value (see Table 3)
Dup	Duplicate sample
FD	Field duplicate sample
mg/L	Milligrams per Liter
WQCC Dom	NMED Groundwater standard for domestic exposure, 20.6.2.3103.B NMAC
WQCC HH	NMED Groundwater standard for human health exposure, 20.6.2.3103.A NMAC

Lab Footnote

B	Analyte was also detected in the associated method blank.
J	Indicates an estimated value.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
P1	Relative percent difference value not applicable for sample concentrations less than 5 times the reporting limit.
Q	Sample was prepared and/or analyzed past recommended holding time.
[R]	Non-detect result qualified as not usable for project objectives due to significant holding time exceedance (see data validation summary provided in Appendix D)
T8	Sample received past/too close to holding time expiration.
V	The sample concentration is too high to evaluate accurate spike recoveries.

Note - Irrigation well RA-4196R was installed in June 2022 to replace both irrigation wells RA-4196 and RA-4798 which were plugged and abandoned in April 2023.

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Appendix B, Table B.6 - Summary of Groundwater Analytical Data - Semi-Volatile Organic Compounds
2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	SVOC																				
				Analyte	1,1'-Biphenyl	1,2,4-Trichlorobenzene	1,4-Dioxane	1-Methylnaphthalene	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Chloronaphthalene	2-Chlorophenol	2-Methylnaphthalene	2-Methylphenol	2-Nitroaniline	2-Nitrophenol	3- & 4-Methylphenol (m,p-Cresol)	3,3'-Dichlorobenzidine	3-Nitroaniline	4,6-Dinitro-2-methylphenol	4-Bromophenyl phenyl ether
				CAS	92-52-4	120-82-1	123-91-1	90-12-0	95-95-4	88-06-2	120-83-2	105-67-9	51-28-5	121-14-2	606-20-2	91-58-7	95-57-8	91-57-6	95-48-7	88-74-4	88-75-5	65794-96-9	91-94-1	99-09-2	534-52-1	101-55-3
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	0.0371	0.0700	0.00459	0.0300				0.354						0.0300	0.930							
Area	**Well ID**	**Date**	**Dup**																						
Evaporation Ponds	MW-3	04/13/2022				0.000494																			
	MW-3	03/22/2023				0.000519																			
	MW-4A	04/13/2022				0.000324 J																			
	MW-4A	03/22/2023				0.000458																			
	MW-6A	04/13/2022				0.000292 J																			
	MW-6A	03/21/2023				0.000293 J																			
	MW-22A	04/13/2022				0.000929																			
	MW-22A	03/22/2023				0.000703																			
	MW-74	04/12/2022				0.00124																			
	MW-74	03/22/2023				0.00147																			
	MW-76	04/13/2022				0.000501																			
	MW-76	03/22/2023				0.000564																			
	MW-78	04/13/2022				<0.0000447																			
	MW-78	03/22/2023				<0.0000447																			
	MW-120	09/14/2021				<0.0000447																			
	MW-120	04/13/2022				<0.0000447																			
	MW-121	04/13/2022				<0.0000447																			
	MW-121	03/21/2023				<0.0000447																			
	MW-122	04/12/2022				<0.0000447																			
	MW-122	03/21/2023				0.0000966 J																			
	MW-123	04/13/2022				0.000895																			
	MW-123	03/22/2023				0.00107																			
	OCD-3	04/12/2022				<0.0000447																			
	OCD-3	03/22/2023				<0.0000447																			
	OCD-6	04/12/2022				<0.0000447																			
	OCD-6	03/21/2023				0.000176 J																			
Field East of Refinery	KWB-11A	09/14/2021				<0.0000447																			
	KWB-11A	10/11/2022				0.000378 J																			
	KWB-11B	09/14/2021				<0.0000447																			
	KWB-11B	04/13/2022				<0.0000447																			
	MW-113	09/14/2021				<0.0000447																			
	MW-113	09/14/2021	FD			<0.0000456																			
	MW-113	04/13/2022				<0.0000447																			
	MW-113	04/13/2022	FD			<0.0000447																			
	MW-126B	09/14/2021				<0.0000447																			
	MW-126B	04/12/2022				0.000113 J																			
	MW-134	09/15/2021				<0.0000447																			
	MW-134	09/15/2021	FD			<0.0000447																			
	MW-134	04/13/2022				<0.0000447																			
	MW-134	04/13/2022	FD			<0.0000469																			
	MW-135	09/14/2021				<0.0000447																			
	MW-135	04/12/2022				0.0000815 J																			
	RA-4196R	10/04/2023				0.000375 J																			
	RA-4196R	04/03/2024				0.000130 JB																			
	RA-4798	09/14/2021				<0.0000447																			
	RA-4798	04/13/2022				<0.0000447																			
	RW-13R	03/22/2023				<0.0000447																			
NCL	MW-45	09/15/2021				0.000239 J																			
	MW-45	04/13/2022				0.000273 J																			
	MW-53R	04/12/2022				<0.0000447																			
	MW-53R	03/21/2023				<0.0000447																			
	MW-54A	09/14/2021				<0.0000447																			
	MW-54A	04/12/2022				<0.0000447																			
	MW-54B	03/22/2023				<0.0000447																			
	MW-108	09/14/2021				<0.0000447																			
	MW-108	04/12/2022				<0.0000447																			
	NCL-31	09/14/2021				<0.0000447																			
	NCL-31	04/12/2022				<0.0000447																			
	NCL-49	09/14/2021				<0.0000447																			
	NCL-49	09/14/2021	FD			<0.0000447																			
	NCL-49	04/12/2022				0.0000839 J																			
	NCL-49	04/12/2022	FD			<0.0000447																			
North Refinery	MW-23	04/03/2019		<0.00163	<0.00178		**0.0531**	<0.00118	<0.00148	<0.00142	<0.00312	<0.0163	<0.00825	<0.00140	<0.00165	<0.00141	<0.00156	<0.00156	<0.00950	<0.00160	<0.00133	<0.0101	<0.00154	<0.0131	<0.00168
	MW-23	10/23/2019		<0.00650	<0.00710		**0.0922**	<0.00472	<0.00594	<0.00568	<0.0125	<0.0650	<0.0330	<0.00558	<0.00660	<0.00566	<0.00622	<0.00624	<0.0380	<0.00640	<0.00532	<0.0404	<0.00616	<0.0524	<0.00670
	MW-29	09/15/2021				0.000826																			
	MW-29	04/12/2022				0.000477																			
	MW-42	04/12/2022				0.000880																			
	MW-43	04/03/2019		0.00228 J	<0.000359		**0.0323**	<0.000238	<0.000300	<0.000287	0.00418 J	<0.00328	<0.00167	<0.000282	<0.000333	<0.000286	0.0232	<0.000315	<0.00192	<0.000323	<0.000269	<0.00204	<0.000311	<0.00265	<0.000338
	MW-43	10/23/2019		<0.00650	<0.00710		**0.0956**	<0.00472	<0.00594	<0.00568	<0.0125	<0.0650	<0.0330	<0.00558	<0.00660	<0.00566	**0.0603**	<0.00624	<0.0380	<0.00640	<0.00532	<0.0404	<0.00616	<0.0524	<0.00670

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Appendix B, Table B.6 - Summary of Groundwater Analytical Data - Semi-Volatile Organic Compounds

2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	SVOC																				
				Analyte	1,1'-Biphenyl	1,2,4-Trichlorobenzene	1,4-Dioxane	1-Methylnaphthalene	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Chloronaphthalene	2-Chlorophenol	2-Methylnaphthalene	2-Methylphenol	2-Nitroaniline	2-Nitrophenol	3- & 4-Methylphenol (m,p-Cresol)	3,3'-Dichlorobenzidine	3-Nitroaniline	4,6-Dinitro-2-methylphenol	4-Bromophenyl phenyl ether
				CAS	92-52-4	120-82-1	123-91-1	90-12-0	95-95-4	88-06-2	120-83-2	105-67-9	51-28-5	121-14-2	606-20-2	91-58-7	95-57-8	91-57-6	95-48-7	88-74-4	88-75-5	65794-96-9	91-94-1	99-09-2	534-52-1	101-55-3
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL	0.0371	0.07	0.00459	0.0300				0.354						0.0300	0.930							
Area	**Well ID**	**Date**	**Dup**																						
North Refinery	MW-61	04/03/2019		0.00315 J	<0.000355		**0.0722**	<0.000236	<0.000297	<0.000284	<0.000624	<0.00325	<0.00165	<0.000279	<0.000330	<0.000283	0.0119	<0.000312	<0.00190	<0.000320	<0.000266	<0.00202	<0.000308	<0.00262	<0.000335
	MW-61	10/23/2019		<0.000325	<0.000355		**0.0902**	<0.000236	<0.000297	<0.000284	<0.000624	<0.00325	<0.00165	<0.000279	<0.000330	<0.000283	0.0163	<0.000312	<0.00190	<0.000320	<0.000266	<0.00202	<0.000308	<0.00262	<0.000335
	MW-61	09/14/2021		0.00362 J	<0.0000698	<0.0000447	**0.0631**	<0.000109	<0.000100	<0.000102	<0.0000636	<0.00593	<0.0000983	<0.000250	<0.0000648	<0.000133	0.0245	<0.0000929	<0.000102	<0.000117	<0.000168	<0.000212	<0.0000869	<0.00112	<0.0000877
	MW-61	04/13/2022		0.00540 J	<0.0000698	<0.0000447	**0.101**	<0.000109	<0.000100	<0.000102	<0.0000636	<0.00593	<0.0000983	<0.000250	<0.0000648	<0.000133	**0.0418**	<0.0000929	<0.000102	<0.000117	<0.000168	<0.000212	<0.0000869	<0.00112	<0.0000877
	MW-61	10/11/2022		0.00336 J	<0.0000698		**0.0738**	<0.000109	<0.000100	0.000268 J	0.000876 J	<0.00593	<0.0000983	<0.000250	<0.0000648	<0.000133	0.0280	<0.0000929	<0.000102	<0.000117	<0.000168	<0.000212	<0.0000869	<0.00112	<0.0000877
	MW-61	03/21/2023		0.00243 J	<0.0000698		**0.0475**	<0.000109	<0.000100	<0.000102	0.000799 J	<0.00593	<0.0000983	<0.000250	<0.0000648	<0.000133	0.0174	<0.0000929	<0.000102	<0.000117	<0.000168	<0.000212	<0.0000869	<0.00112	<0.0000877
	MW-61	10/03/2023		0.00383 J	<0.0000698		**0.0710**	<0.000109 [R]	<0.000100 [R]	<0.000102 [R]	<0.0000636 [R]	<0.00593 [R]	<0.0000983	<0.000250	<0.0000648	<0.000133 [R]	**0.0307**	<0.0000929 [R]	<0.000102	<0.000117 [R]	<0.000168 [R]	<0.000212	<0.0000869	<0.00112 [R]	<0.0000877
	MW-61	04/02/2024		0.00395 J	<0.0000698		**0.0784**	<0.000109	<0.000100	<0.000102	0.000844 J	<0.00593	<0.0000983	<0.000250	<0.0000648	<0.000133	**0.0338**	<0.0000929	<0.000102	<0.000117	<0.000168	<0.000212	<0.0000869	<0.00112	<0.0000877
	MW-61	10/01/2024		0.00370 J	<0.0000698		**0.0757**	<0.000109	<0.000100	<0.000102	<0.0000636	<0.00593	<0.0000983	<0.000250	<0.0000648	<0.000133	**0.0388**	<0.0000929	<0.000102	<0.000117	<0.000168	<0.000212	<0.0000869	<0.00112	<0.0000877
	MW-62	04/03/2019		0.00389 J	<0.000355		**0.0628**	<0.000236	<0.000297	<0.000284	<0.000624	<0.00325	<0.00165	<0.000279	<0.000330	<0.000283	**0.0320**	<0.000312	<0.00190	<0.000320	<0.000266	<0.00202	<0.000308	<0.00262	<0.000335
	MW-62	10/23/2019		0.00865 J	<0.00710		**0.144**	<0.00472	<0.00594	<0.00568	<0.0125	<0.0650	<0.0330	<0.00558	<0.00660	<0.00566	**0.0581**	<0.00624	<0.0380	<0.00640	<0.00532	<0.0404	<0.00616	<0.0524	<0.00670
	MW-62	09/14/2021		0.00677 J	<0.000349	0.000237 J	**0.0984**	<0.000545	<0.000500	<0.000510	0.0252 J	<0.0297	<0.000491	<0.00125	<0.000324	<0.000665	**0.0537**	<0.000465	<0.000510	<0.000585	<0.000840	<0.00106	<0.000435	<0.00560	<0.000439
	MW-62	04/12/2022		0.00764 J	<0.000349	<0.0000447	**0.108**	<0.000545	<0.000500	<0.000510	0.0758	<0.0297	<0.000491	<0.00125	<0.000324	<0.000665	**0.0581**	<0.000465	<0.000510	<0.000585	<0.000840	<0.00106	<0.000435	<0.00560	<0.000439
	MW-62	10/11/2022		0.00237 J	<0.0000698		**0.0506**	<0.000109	<0.000100	<0.000102	0.0309	<0.00593	<0.0000983	<0.000250	<0.0000648	<0.000133	0.0124	0.00102 J	<0.000102	<0.000117	0.000474 J	<0.000212	<0.0000869	<0.00112	<0.0000877
	MW-90	09/14/2021				<0.0000447																			
	MW-90	04/12/2022				<0.0000447																			
	MW-93	04/03/2019		0.00229 J	<0.000355		**0.0313**	<0.000236	<0.000297	<0.000284	0.0173	<0.00325	<0.00165	<0.000279	<0.000330	<0.000283	0.00507	0.0979	<0.00190	<0.000320	<0.000266	<0.00202	<0.000308	<0.00262	<0.000335
	MW-93	06/17/2020		<0.00395	<0.000349		**0.0340**	<0.000545	<0.000500	<0.000510	0.0157 J	<0.0297	<0.000491	<0.00125	<0.000324	<0.000665	<0.000585	<0.000465	<0.000510	<0.000585	<0.000840	<0.00106	<0.000435	<0.00560	<0.000439
	MW-95	04/03/2019		<0.000325	<0.000355		<0.000332	<0.000236	<0.000297	<0.000284	<0.000624	<0.00325	<0.00165	<0.000279	<0.000330	<0.000283	<0.000311	<0.000312	<0.00190	<0.000320	<0.000266	<0.00202	<0.000308	<0.00262	<0.000335
	MW-95	06/16/2020		<0.00188	<0.000166		<0.000188	<0.000259	<0.000238	<0.000243	<0.000151	<0.0141	<0.000234	<0.000595	<0.000154	<0.000317	<0.000278	<0.000221	<0.000243	<0.000278	<0.000400	<0.000505	<0.000207	<0.00267	<0.000209
	MW-137	04/03/2019		<0.00650	<0.00710		**0.0480**	<0.00472	<0.00594	<0.00568	<0.0125	<0.0650	<0.0330	<0.00558	<0.00660	<0.00566	**0.0474**	<0.00624	<0.0380	<0.00640	<0.00532	<0.0404	<0.00616	<0.0524	<0.00670
	MW-138	04/03/2019		<0.000325	<0.000355		0.00549	<0.000236	<0.000297	<0.000284	<0.000624	<0.00325	<0.00165	<0.000279	<0.000330	<0.000283	0.00356	<0.000312	<0.00190	<0.000320	<0.000266	<0.00202	<0.000308	<0.00262	<0.000335
	RW-2	03/21/2023		0.00158 J	<0.0000698	0.000280 J	0.0187	<0.000109	<0.000100	<0.000102	<0.0000636	<0.00593	<0.0000983	<0.000250	<0.0000648	<0.000133	0.0148	<0.0000929	<0.000102	<0.000117	<0.000168	<0.000212	<0.0000869	<0.00112	<0.0000877
	RW-9	04/13/2022				0.000901																			
	RW-9	03/22/2023				0.000867																			
	RW-16B	03/22/2023				0.000367 J																			
	RW-17A	03/22/2023				<0.0000447																			
NRO	MW-117	09/14/2021				<0.0000447																			
	MW-117	04/12/2022				0.000160 J																			
South Refinery	KWB-2R	03/21/2023				0.000286 J																			
	KWB-2R	10/04/2023				0.000464																			
	MW-50	09/14/2021				<0.0000447																			
	MW-50	04/12/2022				<0.0000447																			
	MW-101	09/15/2021				0.000575																			
	MW-101	04/13/2022				0.000599																			
	MW-102	09/14/2021				<0.0000447																			
	MW-102	09/14/2021	FD			<0.0000447																			
	MW-102	04/13/2022				<0.0000447																			
	MW-102	04/13/2022	FD			<0.0000447																			
	MW-104	09/14/2021				<0.0000447																			
	MW-104	04/13/2022				<0.0000447																			
	MW-106	10/04/2023				0.000241 JB																			
	MW-106	04/02/2024				<0.0000447 T8																			
	MW-109	09/15/2021				<0.0000447																			
	MW-109	04/13/2022				<0.0000447																			
	MW-110	09/15/2021				<0.0000447																			
	MW-110	04/13/2022				<0.0000447																			
	MW-139	09/14/2021				<0.0000447																			
	MW-139	04/12/2022				<0.0000447																			
	RA-313	04/13/2022				<0.0000447																			
	RA-313	03/22/2023				0.000180 JB																			
SRO	MW-114	09/14/2021				<0.0000447																			
	MW-114	04/13/2022				0.000464																			
TEL	MW-49	09/15/2021				0.000415																			
	MW-49	04/13/2022				0.000612																			
	TEL-4	04/02/2019		<0.000325	<0.000355		0.00498	<0.000236	<0.000297	<0.000284	<0.000624	<0.00325	<0.00165	<0.000279	<0.000330	<0.000283	<0.000311	<0.000312	<0.00190	<0.000320	<0.000266	<0.00202	<0.000308	<0.00262	<0.000335
	TEL-4	04/02/2019	FD	<0.000325	<0.000355		0.00531	<0.000236	<0.000297	<0.000284	<0.000624	<0.00325	<0.00165	<0.000279	<0.000330	<0.000283	<0.000311	<0.000312	<0.00190	<0.000320	<0.000266	<0.00202	<0.000308	<0.00262	<0.000335
	TEL-4	10/22/2019		<0.000325	<0.000355		0.00275	<0.000236	<0.000297	<0.000284	<0.000624	<0.00325	<0.00165	<0.000279	<0.000330	<0.000283	<0.000311	<0.000312	<0.00190	<0.000320	<0.000266	<0.00202	<0.000308	<0.00262	<0.000335
	TEL-4	10/22/2019	FD	<0.000325	<0.000355		0.00300	<0.000236	<0.000297	<0.000284	<0.000624	<0.00325	<0.00165	<0.000279	<0.000330	<0.000283	<0.000311	<0.000312	<0.00190	<0.000320	<0.000266	<0.00202	<0.000308	<0.00262	<0.000335
	TEL-4	09/14/2021				0.000499																			
	TEL-4	09/14/2021	FD			0.000558																			
	TEL-4	04/12/2022				<0.0000447																			
	TEL-4	04/12/2022	FD			0.000167 J																			
Three Mile Ditch	MW-21	09/15/2021				<0.0000447																			
	MW-21	04/12/2022				0.000149 J																			
	MW-71	04/12/2022				0.000148 J																			
	MW-71	03/22/2023				<0.0000447																			
	NP-1	09/15/2021				0.000228 J																			
	NP-1	04/12/2022				0.000123 J																			
UG	UG-1	04/11/2022				<0.0000447																			
	UG-1	03/20/2023				0.000157 J																			

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Appendix B, Table B.6 - Summary of Groundwater Analytical Data - Semi-Volatile Organic Compounds
2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				SVOC																				
Analyte Group																								
Analyte				4-Chloro-3-methylphenol	4-Chloroaniline	4-Chlorophenyl phenyl ether	4-Nitroaniline	4-Nitrophenol	Acenaphthene	Acenaphthylene	Acetophenone	Anthracene	Atrazine	Benzaldehyde	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Bis(2-chloroethoxy)methane	Bis(2-chloroethyl) ether	Bis(2-chloroisopropyl)ether	Bis(2-ethylhexyl)phthalate	Butylbenzylphthalate	Caprolactam	Carbazole
CAS				59-50-7	106-47-8	7005-72-3	100-01-6	100-02-7	83-32-9	208-96-8	98-86-2	120-12-7	1912-24-9	100-52-7	56-55-3	50-32-8	205-99-2	191-24-2	207-08-9	111-91-1	111-44-4	108-60-1	117-81-7	85-68-7	105-60-2	86-74-8
Units				mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
CGWSL									0.535			1.72	0.00300			0.000200							0.00600	0.0160		
Area	Well ID	Date	Dup																							
Evaporation Ponds	MW-3	04/13/2022																								
	MW-3	03/22/2023																								
	MW-4A	04/13/2022																								
	MW-4A	03/22/2023																								
	MW-6A	04/13/2022																								
	MW-6A	03/21/2023																								
	MW-22A	04/13/2022																								
	MW-22A	03/22/2023																								
	MW-74	04/12/2022																								
	MW-74	03/22/2023																								
	MW-76	04/13/2022																								
	MW-76	03/22/2023																								
	MW-78	04/13/2022																								
	MW-78	03/22/2023																								
	MW-120	09/14/2021																								
	MW-120	04/13/2022																								
	MW-121	04/13/2022																								
	MW-121	03/21/2023																								
	MW-122	04/12/2022																								
	MW-122	03/21/2023																								
	MW-123	04/13/2022																								
	MW-123	03/22/2023																								
	OCD-3	04/12/2022																								
	OCD-3	03/22/2023																								
	OCD-6	04/12/2022																								
	OCD-6	03/21/2023																								
Field East of Refinery	KWB-11A	09/14/2021																								
	KWB-11A	10/11/2022																								
	KWB-11B	09/14/2021																								
	KWB-11B	04/13/2022																								
	MW-113	09/14/2021																								
	MW-113	09/14/2021	FD																							
	MW-113	04/13/2022																								
	MW-113	04/13/2022	FD																							
	MW-126B	09/14/2021																								
	MW-126B	04/12/2022																								
	MW-134	09/15/2021																								
	MW-134	09/15/2021	FD																							
	MW-134	04/13/2022																								
	MW-134	04/13/2022	FD																							
	MW-135	09/14/2021																								
	MW-135	04/12/2022																								
	RA-4196R	10/04/2023																								
	RA-4196R	04/03/2024																								
	RA-4798	09/14/2021																								
	RA-4798	04/13/2022																								
	RW-13R	03/22/2023																								
NCL	MW-45	09/15/2021																								
	MW-45	04/13/2022																								
	MW-53R	04/12/2022																								
	MW-53R	03/21/2023																								
	MW-54A	09/14/2021																								
	MW-54A	04/12/2022																								
	MW-54B	03/22/2023																								
	MW-108	09/14/2021																								
	MW-108	04/12/2022																								
	NCL-31	09/14/2021																								
	NCL-31	04/12/2022																								
	NCL-49	09/14/2021																								
	NCL-49	09/14/2021	FD																							
	NCL-49	04/12/2022																								
	NCL-49	04/12/2022	FD																							
North Refinery	MW-23	04/03/2019		<0.00132	<0.00191	<0.00152	<0.00174	<0.0101	<0.00158	<0.00154	<0.0123	<0.00146	0.00173 J	<0.00700	<0.000255	<0.000191	<0.000448	<0.0000113	<0.00178	<0.00164	<0.00810	<0.00222	0.00460 J	<0.00138	<0.0130	0.0132 J
	MW-23	10/23/2019		<0.00526	<0.00764	<0.00606	<0.00698	<0.0402	<0.00632	<0.00618	<0.0494	<0.00582	**<0.00520**	<0.0280	<0.00102	**<0.000762**	<0.00179	<0.0000454	<0.00710	<0.00658	<0.0324	<0.00890	**<0.0142**	<0.00550	<0.0518	0.0251 J
	MW-29	09/15/2021																								
	MW-29	04/12/2022																								
	MW-42	04/12/2022																								
	MW-43	04/03/2019		<0.000266	<0.000386	<0.000306	<0.000352	<0.00203	0.000872 J	<0.000312	<0.00249	<0.000294	0.000347 J	<0.00141	<0.0000515	<0.0000385	<0.0000905	<0.00000229	<0.000359	<0.000332	<0.00164	<0.000449	0.000920 J	0.00115 J	<0.00262	0.00772 J
	MW-43	10/23/2019		<0.00526	<0.00764	<0.00606	<0.00698	<0.0402	<0.00632	<0.00618	<0.0494	<0.00582	**<0.00520**	<0.0280	<0.00102	**<0.000762**	<0.00179	<0.0000454	<0.00710	<0.00658	<0.0324	<0.00890	**<0.0142**	<0.00550	<0.0518	0.0145 J

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Appendix B, Table B.6 - Summary of Groundwater Analytical Data - Semi-Volatile Organic Compounds
2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	SVOC																					
				Analyte	4-Chloro-3-methylphenol	4-Chloroaniline	4-Chlorophenyl phenyl ether	4-Nitroaniline	4-Nitrophenol	Acenaphthene	Acenaphthylene	Acetophenone	Anthracene	Atrazine	Benzaldehyde	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Bis(2-chloroethoxy)methane	Bis(2-chloroethyl) ether	Bis(2-chloroisopropyl)ether	Bis(2-ethylhexyl)phthalate	Butylbenzylphthalate	Caprolactam	Carbazole
				CAS	59-50-7	106-47-8	7005-72-3	100-01-6	100-02-7	83-32-9	208-96-8	98-86-2	120-12-7	1912-24-9	100-52-7	56-55-3	50-32-8	205-99-2	191-24-2	207-08-9	111-91-1	111-44-4	108-60-1	117-81-7	85-68-7	105-60-2	86-74-8
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL						0.535			1.72	0.00300			0.000200							0.00600	0.0160		
Area	Well ID	Date	Dup																								
North Refinery	MW-61	04/03/2019		<0.000263	<0.000382	<0.000303	<0.000349	<0.00201	0.000667 J	<0.000309	<0.00247	<0.000291	<0.000260	<0.00140	<0.0000510	<0.0000381	<0.0000896	<0.00000227	<0.000355	<0.000329	<0.00162	<0.000445	**0.00818**	<0.000275	<0.00259	0.00142 J
	MW-61	10/23/2019		<0.000263	<0.000382	<0.000303	<0.000349	<0.00201	0.000689 J	<0.000309	<0.00247	<0.000291	<0.000260	<0.00140	<0.0000510	<0.0000381	<0.0000896	0.00000240 J	<0.000355	<0.000329	<0.00162	<0.000445	0.00187 J	<0.000275	<0.00259	0.00127 J
	MW-61	09/14/2021		<0.000131	<0.000234	<0.0000926	<0.0000910	<0.000143	0.000700 J	<0.0000921	<0.000208	<0.0000804	<0.000255	<0.00169 J4	<0.000199	<0.0000381	<0.000130	<0.000121	<0.000120	<0.000116	<0.000137	<0.000210	**0.00884**	<0.000765	<0.000309	0.00145 J
	MW-61	04/13/2022		<0.000131	<0.000234	<0.0000926	<0.0000910	<0.000143	0.000905 J	<0.0000921	<0.000208	<0.0000804	<0.000255	<0.00169 J4	<0.000199	<0.0000381	<0.000130	<0.000121	<0.000120	<0.000116	<0.000137	<0.000210	**0.0152**	<0.000765	<0.000309	0.00179 J
	MW-61	10/11/2022		<0.000131	<0.000234	<0.0000926	<0.0000910	<0.000143	0.000495 J	<0.0000921	<0.000208	<0.0000804	<0.000255	<0.00169	<0.000199	<0.0000381	<0.000130	<0.000121	<0.000120	<0.000116	<0.000137	<0.000210	**0.0143**	<0.000765	<0.000309	0.00128 J
	MW-61	03/21/2023		<0.000131	<0.000234	<0.0000926	<0.0000910	<0.000143	0.000446 J	<0.0000921	<0.000208	<0.0000804	<0.000255	<0.00169 J4	<0.000199	<0.0000381	<0.000130	<0.000121	<0.000120	<0.000116	<0.000137	<0.000210	**0.0317**	<0.000765	<0.000309	0.00125 J
	MW-61	10/03/2023		<0.000131 [R]	<0.000234	<0.0000926	<0.0000910	<0.000143 [R]	0.000625 J	<0.0000921	<0.000208	0.00139	<0.000255	<0.00169 J4	<0.000199	<0.0000381	<0.000130	<0.000121	<0.000120	<0.000116	<0.000137	<0.000210	**0.0103**	<0.000765	<0.000309	0.00146 J
	MW-61	04/02/2024		<0.000131	<0.000234	<0.0000926	<0.0000910	<0.000143 J4	0.000647 J	<0.0000921	<0.000208	<0.0000804	<0.000255	<0.00169 J6J	<0.000199	<0.0000381	<0.000130	<0.000121	<0.000120	<0.000116	<0.000137	<0.000210	0.00529	<0.000765	<0.000309	0.00108 J
	MW-61	10/01/2024		<0.000131	<0.000234	<0.0000926	<0.0000910	<0.000143	0.000679 J	<0.0000921	<0.000208	<0.0000804	<0.000255	<0.00169 J6J	<0.000199	<0.0000381	<0.000130	<0.000121	<0.000120	<0.000116	<0.000137	<0.000210	**0.0174**	<0.000765	<0.000309	0.00125 J
	MW-62	04/03/2019		<0.000263	<0.000382	<0.000303	<0.000349	<0.00201	0.00134	<0.000309	<0.00247	<0.000291	<0.000260	<0.00140	<0.0000510	<0.0000381	<0.0000896	<0.00000227	<0.000355	<0.000329	<0.00162	<0.000445	0.00168 J	<0.000275	<0.00259	0.00472 J
	MW-62	10/23/2019		<0.00526	<0.00764	<0.00606	<0.00698	<0.0402	<0.00632	<0.00618	<0.0494	<0.00582	**<0.00520**	<0.0280	<0.00102	**<0.000762**	<0.00179	<0.0000454	<0.00710	<0.00658	<0.0324	<0.00890	**<0.0142**	<0.00550	<0.0518	0.0103 J
	MW-62	09/14/2021		<0.000655	<0.00117	<0.000463	<0.000455	<0.000715	0.00161 J	<0.000461	<0.00104	<0.000402	<0.00128	<0.00845 J4	<0.000995	<0.000191	<0.000650	<0.000605	<0.000600	<0.000580	<0.000685	<0.00105	<0.00448	<0.00383	<0.00154	0.00470 J
	MW-62	04/12/2022		<0.000655	<0.00117	<0.000463	<0.000455	<0.000715	0.00186 J	<0.000461	<0.00104	<0.000402	<0.00128	<0.00845 J4	<0.000995	<0.000191	<0.000650	<0.000605	<0.000600	<0.000580	<0.000685	<0.00105	<0.00448	<0.00383	<0.00154	0.00435 J
	MW-62	10/11/2022		<0.000131	<0.000234	<0.0000926	<0.0000910	<0.000143	0.000977 J	<0.0000921	<0.000208	<0.0000804	<0.000255	<0.00169	<0.000199	<0.0000381	<0.000130	<0.000121	<0.000120	<0.000116	<0.000137	<0.000210	<0.000895	<0.000765	<0.000309	0.00348 J
	MW-90	09/14/2021																								
	MW-90	04/12/2022																								
	MW-93	04/03/2019		<0.000263	<0.000382	<0.000303	<0.000349	<0.00201	0.00176	<0.000309	<0.00247	0.00179	<0.000260	<0.00140	<0.0000510	<0.0000381	<0.0000896	<0.00000227	<0.000355	<0.000329	<0.00162	<0.000445	0.00129 J	<0.000275	<0.00259	0.0257
	MW-93	06/17/2020		<0.000655	<0.00117	<0.000463	<0.000455	<0.000715	0.00190 J	<0.000461	<0.00104	0.00137 J	<0.00128	<0.00845 J4	<0.000995	<0.000191	<0.000650	<0.000605	<0.000600	<0.000580	<0.000685	<0.00105	<0.00448	<0.00383	<0.00154	0.0264 J
	MW-95	04/03/2019		<0.000263	<0.000382	<0.000303	<0.000349	<0.00201	0.000508 J	<0.000309	<0.00247	<0.000291	0.00126 J	<0.00140	<0.0000510	<0.0000381	<0.0000896	<0.00000227	<0.000355	<0.000329	<0.00162	<0.000445	0.000850 J	<0.000275	<0.00259	<0.000260
	MW-95	06/16/2020		<0.000312	<0.000557	<0.000220	<0.000217	<0.000340	0.000679 J	<0.000219	<0.000495	<0.000191	<0.000607	<0.00402 J4	<0.000474	<0.0000907	<0.000309	<0.000288	<0.000286	<0.000276	<0.000326	<0.000500	<0.00213	<0.00182	<0.000735	<0.000264
	MW-137	04/03/2019		<0.00526	<0.00764	<0.00606	<0.00698	<0.0402	<0.00632	<0.00618	<0.0494	<0.00582	**<0.00520**	<0.0280	<0.00102	**<0.000762**	<0.00179	<0.0000454	<0.00710	<0.00658	<0.0324	<0.00890	**<0.0142**	<0.00550	<0.0518	<0.00520
	MW-138	04/03/2019		<0.000263	<0.000382	<0.000303	<0.000349	<0.00201	0.000968 J	<0.000309	<0.00247	<0.000291	0.000420 J	<0.00140	<0.0000510	<0.0000381	<0.0000896	<0.00000227	<0.000355	<0.000329	<0.00162	<0.000445	<0.000709	<0.000275	<0.00259	0.000643 J
	RW-2	03/21/2023		<0.000131	<0.000234	<0.0000926	<0.0000910	<0.000143	0.00148	<0.0000921	<0.000208	0.000286 J	<0.000255	<0.00169 J4	<0.000199	<0.0000381	<0.000130	<0.000121	<0.000120	<0.000116	<0.000137	<0.000210	0.00546	<0.000765	<0.000309	0.00332 J
	RW-9	04/13/2022																								
	RW-9	03/22/2023																								
	RW-16B	03/22/2023																								
	RW-17A	03/22/2023																								
NRO	MW-117	09/14/2021																								
	MW-117	04/12/2022																								
South Refinery	KWB-2R	03/21/2023																								
	KWB-2R	10/04/2023																								
	MW-50	09/14/2021																								
	MW-50	04/12/2022																								
	MW-101	09/15/2021																								
	MW-101	04/13/2022																								
	MW-102	09/14/2021																								
	MW-102	09/14/2021	FD																							
	MW-102	04/13/2022																								
	MW-102	04/13/2022	FD																							
	MW-104	09/14/2021																								
	MW-104	04/13/2022																								
	MW-106	10/04/2023																								
	MW-106	04/02/2024																								
	MW-109	09/15/2021																								
	MW-109	04/13/2022																								
	MW-110	09/15/2021																								
	MW-110	04/13/2022																								
	MW-139	09/14/2021																								
	MW-139	04/12/2022																								
	RA-313	04/13/2022																								
	RA-313	03/22/2023																								
SRO	MW-114	09/14/2021																								
	MW-114	04/13/2022																								
TEL	MW-49	09/15/2021																								
	MW-49	04/13/2022																								
	TEL-4	04/02/2019		<0.000263	<0.000382	<0.000303	<0.000349	<0.00201	0.000493 J	<0.000309	<0.00247	<0.000291	<0.000260	<0.00140	<0.0000510	0.000119 JB	<0.0000896	<0.00000227	<0.000355	<0.000329	<0.00162	<0.000445	**0.0641**	<0.000275	<0.00259	<0.000260
	TEL-4	04/02/2019	FD	<0.000263	<0.000382	<0.000303	<0.000349	<0.00201	0.000532 J	<0.000309	<0.00247	<0.000291	<0.000260	<0.00140	<0.0000510	<0.0000381	<0.0000896	<0.00000227	<0.000355	<0.000329	<0.00162	<0.000445	0.000835 J	<0.000275	<0.00259	<0.000260
	TEL-4	10/22/2019		<0.000263	<0.000382	<0.000303	<0.000349	<0.00201	0.000378 J	<0.000309	<0.00247	<0.000291	0.000434 J	<0.00140	<0.0000510	<0.0000381	<0.0000896	<0.00000227	<0.000355	<0.000329	<0.00162	<0.000445	0.00120 J	<0.000275	<0.00259	0.000400 J
	TEL-4	10/22/2019	FD	<0.000263	<0.000382	<0.000303	<0.000349	<0.00201	0.000465 J	<0.000309	<0.00247	<0.000291	0.000340 J	<0.00140	<0.0000510	<0.0000381	<0.0000896	<0.00000227	<0.000355	<0.000329	<0.00162	<0.000445	0.00146 J	<0.000275	<0.00259	0.000289 J
	TEL-4	09/14/2021																								
	TEL-4	09/14/2021	FD																							
	TEL-4	04/12/2022																								
	TEL-4	04/12/2022	FD																							
Three Mile Ditch	MW-21	09/15/2021																								
	MW-21	04/12/2022																								
	MW-71	04/12/2022																								
	MW-71	03/22/2023																								
	NP-1	09/15/2021																								
	NP-1	04/12/2022																								
UG	UG-1	04/11/2022																								
	UG-1	03/20/2023																								

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Appendix B, Table B.6 - Summary of Groundwater Analytical Data - Semi-Volatile Organic Compounds
2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	SVOC																			
				Analyte	Chrysene	Dibenz(a,h)anthracene	Dibenzofuran	Diethyl phthalate	Dimethyl-phthalate	Di-n-butylphthalate	Di-n-octylphthalate	Fluoranthene	Fluorene	Hexachloro-benzene	Hexachloro-butadiene	Hexachloro-cyclopentadiene	Hexachloroethane	Indeno(1,2,3-cd)pyrene	Isophorone	Naphthalene	Nitrobenzene	n-Nitroso-di-n-propylamine	N-Nitro-sodi-phenylamine	Pentachloro-phenol	Phenanthrene	Phenol	Pyrene
				CAS	218-01-9	53-70-3	132-64-9	84-66-2	131-11-3	84-74-2	117-84-0	206-44-0	86-73-7	118-74-1	87-68-3	77-47-4	67-72-1	193-39-5	78-59-1	91-20-3	98-95-3	621-64-7	86-30-6	87-86-5	85-01-8	108-95-2	129-00-0
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL			0.00790	14.8		0.885		0.802	0.288	0.001	0.05					0.0300				0.001	0.170	0.00500	0.117
Area	**Well ID**	**Date**	**Dup**																							
Evaporation Ponds	MW-3	04/13/2022																								
	MW-3	03/22/2023																								
	MW-4A	04/13/2022																								
	MW-4A	03/22/2023																								
	MW-6A	04/13/2022																								
	MW-6A	03/21/2023																								
	MW-22A	04/13/2022																								
	MW-22A	03/22/2023																								
	MW-74	04/12/2022																								
	MW-74	03/22/2023																								
	MW-76	04/13/2022																								
	MW-76	03/22/2023																								
	MW-78	04/13/2022																								
	MW-78	03/22/2023																								
	MW-120	09/14/2021																								
	MW-120	04/13/2022																								
	MW-121	04/13/2022																								
	MW-121	03/21/2023																								
	MW-122	04/12/2022																								
	MW-122	03/21/2023																								
	MW-123	04/13/2022																								
	MW-123	03/22/2023																								
	OCD-3	04/12/2022																								
	OCD-3	03/22/2023																								
	OCD-6	04/12/2022																								
	OCD-6	03/21/2023																								
Field East of Refinery	KWB-11A	09/14/2021																								
	KWB-11A	10/11/2022																								
	KWB-11B	09/14/2021																								
	KWB-11B	04/13/2022																								
	MW-113	09/14/2021																								
	MW-113	09/14/2021	FD																							
	MW-113	04/13/2022																								
	MW-113	04/13/2022	FD																							
	MW-126B	09/14/2021																								
	MW-126B	04/12/2022																								
	MW-134	09/15/2021																								
	MW-134	09/15/2021	FD																							
	MW-134	04/13/2022																								
	MW-134	04/13/2022	FD																							
	MW-135	09/14/2021																								
	MW-135	04/12/2022																								
	RA-4196R	10/04/2023																								
	RA-4196R	04/03/2024																								
	RA-4798	09/14/2021																								
	RA-4798	04/13/2022																								
	RW-13R	03/22/2023																								
NCL	MW-45	09/15/2021																								
	MW-45	04/13/2022																								
	MW-53R	04/12/2022																								
	MW-53R	03/21/2023																								
	MW-54A	09/14/2021																								
	MW-54A	04/12/2022																								
	MW-54B	03/22/2023																								
	MW-108	09/14/2021																								
	MW-108	04/12/2022																								
	NCL-31	09/14/2021																								
	NCL-31	04/12/2022																								
	NCL-49	09/14/2021																								
	NCL-49	09/14/2021	FD																							
	NCL-49	04/12/2022																								
	NCL-49	04/12/2022	FD																							
North Refinery	MW-23	04/03/2019		<0.00166	<0.000322	0.00394 J	<0.00141	<0.00141	<0.00133	<0.00139	<0.00155	0.00472 J	**<0.00170**	<0.00164	<0.0117	<0.00183	<0.00140	<0.00136	**0.0450**	<0.00184	<0.00201	<0.00595	**<0.00157**	0.00788	**0.0133 J**	<0.00165
	MW-23	10/23/2019		<0.00664	<0.00129	**0.00924 J**	<0.00564	<0.00566	<0.00532	<0.00556	<0.00620	0.0112 J	**<0.00682**	<0.00658	<0.0466	<0.00730	<0.00558	<0.00544	0.0262	<0.00734	<0.00806	<0.0238	**<0.00626**	0.0146 J	**0.0166 J**	<0.00660
	MW-29	09/15/2021																								
	MW-29	04/12/2022																								
	MW-42	04/12/2022																								
	MW-43	04/03/2019		<0.000335	<0.0000650	0.00192 J	<0.000285	<0.000286	<0.000269	<0.000281	<0.000313	0.00264	<0.000344	<0.000332	<0.00235	<0.000369	<0.000282	<0.000275	**0.0749**	<0.000371	<0.000407	<0.00120	<0.000316	0.00224	**0.00703 J**	<0.000333
	MW-43	10/23/2019		<0.00664	<0.00129	<0.00676	<0.00564	<0.00566	<0.00532	<0.00556	<0.00620	0.00946 J	**<0.00682**	<0.00658	<0.0466	<0.00730	<0.00558	<0.00544	**0.249**	<0.00734	<0.00806	<0.0238	**<0.00626**	0.00892 J	**<0.00668**	<0.00660

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Appendix B, Table B.6 - Summary of Groundwater Analytical Data - Semi-Volatile Organic Compounds

2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

				Analyte Group	SVOC																				
				Analyte	Chrysene	Dibenz(a,h)anthracene	Dibenzofuran	Diethyl phthalate	Dimethyl-phthalate	Di-n-butylphthalate	Di-n-octylphthalate	Fluoranthene	Fluorene	Hexachloro-benzene	Hexachloro-butadiene	Hexachloro-cyclopentadiene	Hexachloroethane	Indeno(1,2,3-cd)pyrene	Isophorone	Naphthalene	Nitrobenzene	n-Nitroso-di-n-propylamine	N-Nitro-sodi-phenylamine	Pentachloro-phenol	Phenanthrene	Phenol	Pyrene
				CAS	218-01-9	53-70-3	132-64-9	84-66-2	131-11-3	84-74-2	117-84-0	206-44-0	86-73-7	118-74-1	87-68-3	77-47-4	67-72-1	193-39-5	78-59-1	91-20-3	98-95-3	621-64-7	86-30-6	87-86-5	85-01-8	108-95-2	129-00-0
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				CGWSL			0.00790	14.8		0.885		0.802	0.288	0.001	0.05					0.0300				0.001	0.170	0.00500	0.117
Area	Well ID	Date	Dup																							
North Refinery	MW-61	04/03/2019		<0.000332	<0.0000644	0.00293 J	<0.000282	<0.000283	<0.000266	<0.000278	<0.000310	0.00193	<0.000341	<0.000329	<0.00233	<0.000365	<0.000279	<0.000272	**0.0701**	<0.000367	<0.000403	<0.00119	<0.000313	0.00126	0.00457 J	<0.000330
	MW-61	10/23/2019		<0.000332	<0.0000644	0.00398 J	<0.000282	<0.000283	<0.000266	<0.000278	<0.000310	0.00285	<0.000341	<0.000329	<0.00233	<0.000365	<0.000279	<0.000272	**0.0831**	<0.000367	<0.000403	<0.00119	<0.000313	0.00146	0.00164 J	<0.000330
	MW-61	09/14/2021		<0.000130	<0.0000644	0.00276 J	<0.000287	<0.000260	<0.000453	<0.000932	<0.000102	0.00187	<0.0000755	<0.0000968	<0.0000598	<0.000127	<0.000279	<0.000143	**0.0894**	<0.000297	<0.000261	<0.00237	<0.000313	0.00132	<0.00433	<0.000107
	MW-61	04/13/2022		<0.000130	<0.0000644	0.00406 J	<0.000287	<0.000260	<0.000453	<0.000932	<0.000102	0.00241	<0.0000755	<0.0000968	<0.0000598	<0.000127	<0.000279	<0.000143	**0.143**	<0.000297	<0.000261	<0.00237	<0.000313	0.00147	<0.00433	<0.000107
	MW-61	10/11/2022		<0.000130	<0.0000644	0.00311 J	<0.000287	<0.000260	<0.000453	<0.000932	<0.000102	0.00184	<0.0000755	<0.0000968	<0.0000598	<0.000127	<0.000279	<0.000143	**0.0978**	<0.000297	<0.000261	<0.00237 J4	<0.000313	0.00119	<0.00433	<0.000107
	MW-61	03/21/2023		<0.000130	<0.0000644	0.00207 J	<0.000287	<0.000260	<0.000453	<0.000932	<0.000102	0.00121	<0.0000755	<0.0000968	<0.0000598	<0.000127	<0.000279	<0.000143	**0.0676**	<0.000297	<0.000261	<0.00237	<0.000313	0.000741 J	<0.00433	<0.000107
	MW-61	10/03/2023		<0.000130	<0.0000644	0.00305 J	<0.000287	<0.000260	<0.000453	<0.000932	<0.000102	0.00199	<0.0000755	<0.0000968	<0.0000598	<0.000127	<0.000279	<0.000143	**0.101**	<0.000297	<0.000261	<0.00237	<0.000313 [R]	0.00134	<0.00433 [R]	<0.000107
	MW-61	04/02/2024		<0.000130	<0.0000644	0.00326 J	<0.000287	<0.000260	<0.000453	<0.000932	<0.000102	0.00190	<0.0000755	<0.0000968	<0.0000598	<0.000127	<0.000279	<0.000143	**0.111**	<0.000297	<0.000261	<0.00237	<0.000313	0.00111	<0.00433	<0.000107
	MW-61	10/01/2024		<0.000130	<0.0000644	0.00322 J	<0.000287	<0.000260	<0.000453	<0.000932	<0.000102	0.00209	<0.0000755	<0.0000968	<0.0000598	<0.000127	<0.000279	<0.000143	**0.111**	<0.000297	<0.000261	<0.00237	<0.000313	0.00126	<0.00433	<0.000107
	MW-62	04/03/2019		<0.000332	<0.0000644	0.00458 J	<0.000282	<0.000283	<0.000266	<0.000278	<0.000310	0.00221	<0.000341	<0.000329	<0.00233	<0.000365	<0.000279	<0.000272	**0.0861**	<0.000367	<0.000403	<0.00119	<0.000313	0.00191	<0.000334	<0.000330
	MW-62	10/23/2019		<0.00664	<0.00129	**0.0128 J**	<0.00564	<0.00566	<0.00532	<0.00556	<0.00620	0.00862 J	**<0.00682**	<0.00658	<0.0466	<0.00730	<0.00558	<0.00544	**0.168**	<0.00734	<0.00806	<0.0238	**<0.00626**	<0.00732	**<0.00668**	<0.00660
	MW-62	09/14/2021		<0.000650	<0.000322	0.00575 J	<0.00143	<0.00130	<0.00227	<0.00466	<0.000510	0.00375 J	<0.000378	<0.000484	<0.000299	<0.000635	<0.00140	<0.000715	**0.157**	<0.00148	<0.00131	<0.0119	**<0.00157**	0.00194 J	**<0.0217**	<0.000535
	MW-62	04/12/2022		<0.000650	<0.000322	0.00579 J	<0.00143	<0.00130	<0.00227	<0.00466	<0.000510	0.00369 J	<0.000378	<0.000484	<0.000299	<0.000635	<0.00140	<0.000715	**0.161**	<0.00148	<0.00131	<0.0119	**<0.00157**	0.00241 J	**<0.0217**	<0.000535
	MW-62	10/11/2022		<0.000130	<0.0000644	0.00334 J	<0.000287	<0.000260	<0.000453	<0.000932	<0.000102	0.00238	<0.0000755	<0.0000968	<0.0000598	<0.000127	<0.000279	<0.000143	**0.0534**	<0.000297	<0.000261	<0.00237 J4	<0.000313	0.00227	<0.00433	<0.000107
	MW-90	09/14/2021																								
	MW-90	04/12/2022																								
	MW-93	04/03/2019		<0.000332	<0.0000644	0.00397 J	<0.000282	<0.000283	<0.000266	<0.000278	0.000373 J	0.00784	<0.000341	<0.000329	<0.00233	<0.000365	<0.000279	<0.000272	**0.0307**	<0.000367	<0.000403	<0.00119	<0.000313	0.0119	0.00492 J	0.000570 J
	MW-93	06/17/2020		<0.000650	<0.000322	0.00396 J	<0.00143	<0.00130	<0.00227	<0.00466	<0.000510	0.00813	<0.000378	<0.000484	<0.000299	<0.000635	<0.00140	<0.000715	0.0298	<0.00148	<0.00131	<0.0119	**<0.00157**	0.0132	**<0.0217**	0.000746 J
	MW-95	04/03/2019		<0.000332	<0.0000644	0.00173 J	<0.000282	<0.000283	<0.000266	<0.000278	<0.000310	<0.000323	<0.000341	<0.000329	<0.00233	<0.000365	<0.000279	<0.000272	<0.000372	<0.000367	<0.000403	<0.00119	<0.000313	<0.000366	0.00279 J	<0.000330
	MW-95	06/16/2020		<0.000309	<0.000153	0.00259 J	<0.000683	<0.000619	<0.00108	<0.00222	<0.000243	<0.000201	<0.000180	<0.0000642	<0.000302	<0.000642	<0.000664	<0.000340	0.00115 JB	<0.000707	<0.000621	<0.00564	<0.000745	<0.000267	**<0.0103**	<0.000255
	MW-137	04/03/2019		<0.00664	<0.00129	<0.00676	0.00635 J	<0.00566	<0.00532	<0.00556	<0.00620	<0.00646	**<0.00682**	<0.00658	<0.0466	<0.00730	<0.00558	<0.00544	**0.116**	<0.00734	<0.00806	<0.0238	**<0.00626**	<0.00732	**<0.00668**	<0.00660
	MW-138	04/03/2019		<0.000332	<0.0000644	0.000611 J	<0.000282	<0.000283	<0.000266	<0.000278	<0.000310	0.00138	<0.000341	<0.000329	<0.00233	<0.000365	<0.000279	<0.000272	0.0117	<0.000367	<0.000403	<0.00119	<0.000313	0.000583 J	0.00288 J	<0.000330
	RW-2	03/21/2023		<0.000130	<0.0000644	0.00259 J	<0.000287	<0.000260	<0.000453	<0.000932	0.000419 J	0.00359	<0.0000755	<0.0000968	<0.0000598	<0.000127	<0.000279	<0.000143	0.0149	<0.000297	<0.000261	<0.00237	<0.000313	0.00813	**0.00652** J	0.000875 J
	RW-9	04/13/2022																								
	RW-9	03/22/2023																								
	RW-16B	03/22/2023																								
	RW-17A	03/22/2023																								
NRO	MW-117	09/14/2021																								
	MW-117	04/12/2022																								
South Refinery	KWB-2R	03/21/2023																								
	KWB-2R	10/04/2023																								
	MW-50	09/14/2021																								
	MW-50	04/12/2022																								
	MW-101	09/15/2021																								
	MW-101	04/13/2022																								
	MW-102	09/14/2021																								
	MW-102	09/14/2021	FD																							
	MW-102	04/13/2022																								
	MW-102	04/13/2022	FD																							
	MW-104	09/14/2021																								
	MW-104	04/13/2022																								
	MW-106	10/04/2023																								
	MW-106	04/02/2024																								
	MW-109	09/15/2021																								
	MW-109	04/13/2022																								
	MW-110	09/15/2021																								
	MW-110	04/13/2022																								
	MW-139	09/14/2021																								
	MW-139	04/12/2022																								
	RA-313	04/13/2022																								
	RA-313	03/22/2023																								
SRO	MW-114	09/14/2021																								
	MW-114	04/13/2022																								
TEL	MW-49	09/15/2021																								
	MW-49	04/13/2022																								
	TEL-4	04/02/2019		<0.000332	<0.0000644	0.00177 J	<0.000282	<0.000283	0.000273 J	<0.000278	<0.000310	0.00118	<0.000341	<0.000329	<0.00233	<0.000365	<0.000279	<0.000272	<0.000372	<0.000367	<0.000403	<0.00119	<0.000313	<0.000366	0.00150 J	<0.000330
	TEL-4	04/02/2019	FD	<0.000332	<0.0000644	0.00205 J	<0.000282	<0.000283	0.000267 J	<0.000278	<0.000310	0.00106	<0.000341	<0.000329	<0.00233	<0.000365	<0.000279	<0.000272	<0.000372	<0.000367	<0.000403	<0.00119	<0.000313	<0.000366	0.00177 J	<0.000330
	TEL-4	10/22/2019		<0.000332	<0.0000644	0.00161 J	<0.000282	<0.000283	0.000312 J	<0.000278	<0.000310	0.000570 J	<0.000341	<0.000329	<0.00233	<0.000365	<0.000279	<0.000272	0.000383 J	<0.000367	<0.000403	<0.00119	<0.000313	<0.000366	0.000961 J	<0.000330
	TEL-4	10/22/2019	FD	<0.000332	<0.0000644	0.00169 J	<0.000282	<0.000283	0.000278 J	<0.000278	<0.000310	0.000676 J	<0.000341	<0.000329	<0.00233	<0.000365	<0.000279	<0.000272	0.000395 J	<0.000367	<0.000403	<0.00119	<0.000313	<0.000366	0.00146 J	<0.000330
	TEL-4	09/14/2021																								
	TEL-4	09/14/2021	FD																							
	TEL-4	04/12/2022																								
	TEL-4	04/12/2022	FD																							
Three Mile Ditch	MW-21	09/15/2021																								
	MW-21	04/12/2022																								
	MW-71	04/12/2022																								
	MW-71	03/22/2023																								
	NP-1	09/15/2021																								
	NP-1	04/12/2022																								
UG	UG-1	04/11/2022																								
	UG-1	03/20/2023																								

Definitions

X	Reported concentration, X, exceeds the CGWSL.
X	Analyte detected above the detection limit at a concentration equal to X.
<x	Analyte not detected at detection limit equal to x.
<x	Analyte not detected at detection limit equal to x, but x exceeds the CGWSL.
	Blank cell indicates a sample was collected from the well during the indicated sampling event, but the analyte was not analyzed.

Abbreviations

CGWSL	Critical Groundwater Screening Level (see Table 3)
NRO	North RO Field
SRO	South RO Field
UG	Upgradient
Dup	Duplicate sample
FD	Field duplicate sample
mg/L	Milligrams per Liter

Lab Footnote

B	Analyte was also detected in the associated method blank.
J	Indicates an estimated value.
J4	The associated batch QC was outside the established quality control range for accuracy.
T8	Sample(s) received past/too close to holding time expiration.
[R]	Non-detect result qualified as not usable for project objectives due to lack of surrogate recovery.

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ANALYTICAL REPORT

April 23, 2024

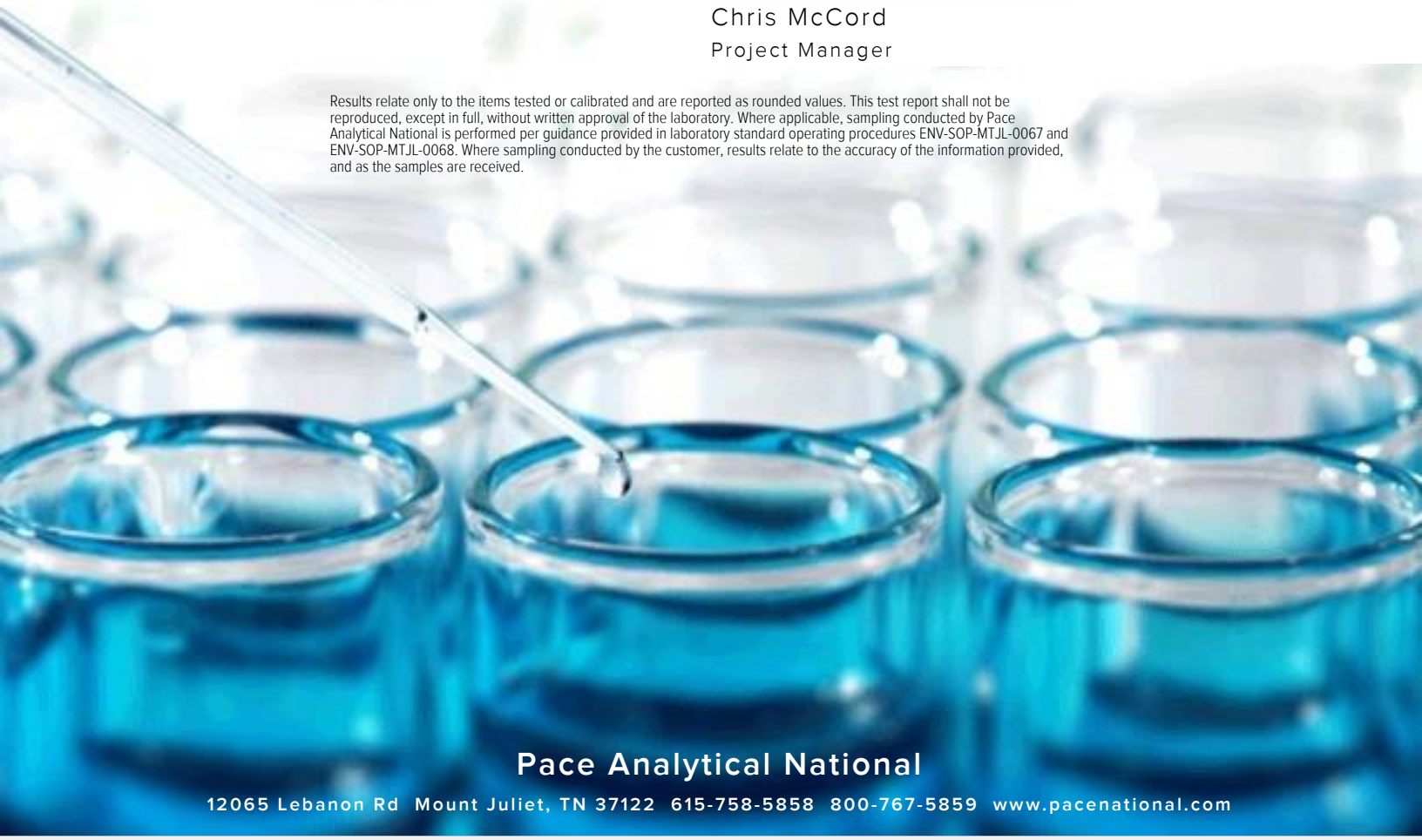
TRC Solutions - Austin, TX

Sample Delivery Group:	L1721276
Samples Received:	04/02/2024
Project Number:	
Description:	Artesia Spring 2024
Site:	(NAVAJO - ARTESIA)
Report To:	Julie Speer 505 E. Huntland Dr, Ste 250 Austin, TX 78752

Entire Report Reviewed By:

Chris McCord
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



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UG-3R L1721276-01 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 04/01/24 12:40 | Received date/time: 04/02/24 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2259692	1	04/03/24 13:38	04/04/24 12:31	DLS	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG2261489	5	04/05/24 21:24	04/08/24 17:24	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2258870	10	04/03/24 03:53	04/03/24 03:53	GEB	Mt. Juliet, TN
Mercury by Method 7470A	WG2258932	1	04/03/24 09:35	04/03/24 21:45	NDL	Mt. Juliet, TN
Mercury by Method 7470A	WG2258948	1	04/03/24 09:40	04/03/24 19:30	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2259669	1	04/07/24 10:03	04/07/24 18:42	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2259676	1	04/04/24 12:37	04/04/24 17:57	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2259701	1	04/04/24 12:23	04/09/24 01:55	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2259701	1	04/04/24 12:23	04/09/24 11:05	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260453	1	04/08/24 23:04	04/09/24 21:25	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2260201	1	04/05/24 10:15	04/05/24 10:15	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2260907	1	04/05/24 11:54	04/05/24 11:54	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2262655	1	04/08/24 14:49	04/08/24 14:49	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2263771	1	04/10/24 10:22	04/11/24 12:03	MAA	Mt. Juliet, TN

UG-4 L1721276-02 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 04/01/24 11:50 | Received date/time: 04/02/24 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2259692	1	04/03/24 13:38	04/04/24 12:31	DLS	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG2261489	1	04/05/24 21:24	04/08/24 17:26	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2258870	10	04/03/24 04:23	04/03/24 04:23	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2258870	100	04/03/24 04:38	04/03/24 04:38	GEB	Mt. Juliet, TN
Mercury by Method 7470A	WG2258932	1	04/03/24 09:35	04/03/24 21:47	NDL	Mt. Juliet, TN
Mercury by Method 7470A	WG2258948	1	04/03/24 09:40	04/03/24 19:32	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2259669	1	04/07/24 10:03	04/07/24 19:11	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2259676	1	04/04/24 12:37	04/04/24 17:59	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2259701	1	04/04/24 12:23	04/09/24 01:58	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2259701	1	04/04/24 12:23	04/09/24 11:09	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260453	1	04/08/24 23:04	04/09/24 21:28	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2260201	1	04/05/24 10:37	04/05/24 10:37	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2260907	1	04/05/24 12:16	04/05/24 12:16	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2262655	1	04/08/24 15:10	04/08/24 15:10	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2261381	1	04/05/24 15:48	04/08/24 19:53	DMG	Mt. Juliet, TN

UG-1 L1721276-03 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 04/01/24 11:00 | Received date/time: 04/02/24 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2259333	1	04/03/24 17:13	04/03/24 22:18	DLS	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG2261489	2	04/05/24 21:24	04/08/24 17:27	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2258870	10	04/03/24 04:53	04/03/24 04:53	GEB	Mt. Juliet, TN
Mercury by Method 7470A	WG2258932	1	04/03/24 09:35	04/03/24 21:50	NDL	Mt. Juliet, TN
Mercury by Method 7470A	WG2258948	1	04/03/24 09:40	04/03/24 19:35	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2259669	1	04/07/24 10:03	04/07/24 19:13	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2259676	1	04/04/24 12:37	04/04/24 18:00	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2259704	1	04/08/24 09:17	04/09/24 19:06	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260453	1	04/08/24 23:04	04/09/24 21:32	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2260201	1	04/05/24 10:59	04/05/24 10:59	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2260907	1	04/05/24 12:37	04/05/24 12:37	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2262655	1	04/08/24 15:32	04/08/24 15:32	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2261381	1	04/05/24 15:48	04/08/24 20:13	DMG	Mt. Juliet, TN

UG-2 L1721276-04 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 04/01/24 09:55 | Received date/time: 04/02/24 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2259333	1	04/03/24 17:13	04/03/24 22:18	DLS	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG2261489	2	04/05/24 21:24	04/08/24 17:29	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2258870	10	04/03/24 05:52	04/03/24 05:52	GEB	Mt. Juliet, TN
Mercury by Method 7470A	WG2258948	1	04/03/24 09:40	04/03/24 19:37	NDL	Mt. Juliet, TN
Mercury by Method 7470A	WG2258996	1	04/03/24 09:45	04/03/24 19:59	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2259669	1	04/07/24 10:03	04/07/24 19:18	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2259676	1	04/04/24 12:37	04/04/24 17:50	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2259704	1	04/08/24 09:17	04/09/24 19:10	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260453	1	04/08/24 23:04	04/09/24 21:35	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2260212	1	04/04/24 16:49	04/04/24 16:49	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2260907	1	04/05/24 12:58	04/05/24 12:58	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2262655	1	04/08/24 15:53	04/08/24 15:53	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2261381	1	04/05/24 15:48	04/08/24 20:33	KAP	Mt. Juliet, TN

MW-145 L1721276-05 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 04/01/24 07:45 | Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260738	1	04/04/24 16:48	04/05/24 19:03	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2261796	10	04/07/24 03:17	04/07/24 03:17	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2261796	100	04/07/24 03:30	04/07/24 03:30	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2267381	10	04/16/24 17:31	04/16/24 17:31	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260971	1	04/05/24 14:52	04/07/24 19:49	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261157	1	04/07/24 12:51	04/10/24 01:22	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2262334	1	04/08/24 04:30	04/08/24 04:30	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261956	1	04/06/24 18:58	04/06/24 18:58	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262630	1	04/09/24 08:20	04/10/24 00:26	KAP	Mt. Juliet, TN

MW-146 L1721276-06 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 04/01/24 08:40 | Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260738	1	04/04/24 16:48	04/05/24 19:03	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260726	10	04/05/24 14:55	04/05/24 14:55	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260726	100	04/05/24 15:10	04/05/24 15:10	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260971	1	04/05/24 14:52	04/07/24 20:09	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261157	1	04/07/24 12:51	04/10/24 01:25	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2262608	1	04/08/24 16:49	04/08/24 16:49	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261956	1	04/06/24 19:18	04/06/24 19:18	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262630	1	04/09/24 08:20	04/10/24 00:46	KAP	Mt. Juliet, TN

DUP-REST-04 L1721276-07 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 04/01/24 07:30 | Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260738	1	04/04/24 16:48	04/05/24 19:03	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2261796	10	04/07/24 03:44	04/07/24 03:44	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2261796	100	04/07/24 03:57	04/07/24 03:57	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2267381	10	04/16/24 18:09	04/16/24 18:09	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260971	1	04/05/24 14:52	04/07/24 20:12	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261157	1	04/07/24 12:51	04/10/24 01:09	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2262608	1	04/08/24 17:12	04/08/24 17:12	JHH	Mt. Juliet, TN

SAMPLE SUMMARY

DUP-REST-04 L1721276-07 GW

Collected by	Collected date/time	Received date/time
Scott Ude/HMI Team	04/01/24 07:30	04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261956	1	04/06/24 19:38	04/06/24 19:38	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262630	1	04/09/24 08:20	04/10/24 01:07	KAP	Mt. Juliet, TN

EB-REST-04 L1721276-08 GW

Collected by	Collected date/time	Received date/time
Scott Ude/HMI Team	04/01/24 09:00	04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260738	1	04/04/24 16:48	04/05/24 19:03	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2261796	1	04/07/24 04:11	04/07/24 04:11	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260971	1	04/05/24 14:52	04/07/24 20:23	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260971	1	04/05/24 14:52	04/08/24 17:27	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261157	1	04/07/24 12:51	04/10/24 01:29	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2262608	1	04/08/24 16:04	04/08/24 16:04	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261956	1	04/06/24 17:58	04/06/24 17:58	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262630	1	04/09/24 08:20	04/10/24 01:27	KAP	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Chris McCord
Project Manager

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2550		50.0	1	04/04/2024 12:31	WG2259692

Wet Chemistry by Method 4500CN E-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Cyanide	0.0129	J	0.00900	0.0250	5	04/08/2024 17:24	WG2261489

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	121		3.79	10.0	10	04/03/2024 03:53	WG2258870
Fluoride	U		0.640	1.50	10	04/03/2024 03:53	WG2258870
Nitrate	20.3		0.480	1.00	10	04/03/2024 03:53	WG2258870
Nitrite	0.606	J	0.420	1.00	10	04/03/2024 03:53	WG2258870
Sulfate	1670		5.94	50.0	10	04/03/2024 03:53	WG2258870

Sample Narrative:

L1721276-01 WG2258870: F- and NO2- BDL at 10x due to matrix/high SO4-

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	04/03/2024 21:45	WG2258932
Mercury,Dissolved	U		0.000100	0.000200	1	04/03/2024 19:30	WG2258948

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.162	J	0.0200	0.200	1	04/04/2024 17:57	WG2259676
Boron,Dissolved	0.162	J	0.0200	0.200	1	04/07/2024 18:42	WG2259669

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00151	J	0.000180	0.00200	1	04/09/2024 01:55	WG2259701
Arsenic,Dissolved	0.00132	J	0.000180	0.00200	1	04/09/2024 21:25	WG2260453
Barium	0.0231		0.000381	0.00200	1	04/09/2024 01:55	WG2259701
Barium,Dissolved	0.0212		0.000381	0.00200	1	04/09/2024 21:25	WG2260453
Cadmium	U		0.000150	0.00100	1	04/09/2024 01:55	WG2259701
Cadmium,Dissolved	U		0.000150	0.00100	1	04/09/2024 21:25	WG2260453
Calcium	565		0.0936	1.00	1	04/09/2024 01:55	WG2259701
Chromium	U		0.00124	0.00200	1	04/09/2024 01:55	WG2259701
Chromium,Dissolved	U		0.00124	0.00200	1	04/09/2024 21:25	WG2260453
Cobalt	U		0.0000596	0.00200	1	04/09/2024 01:55	WG2259701
Cobalt,Dissolved	0.0000736	J	0.0000596	0.00200	1	04/09/2024 21:25	WG2260453
Iron	U		0.0281	0.100	1	04/09/2024 01:55	WG2259701
Iron,Dissolved	U		0.0281	0.100	1	04/09/2024 21:25	WG2260453
Lead	U		0.000849	0.00200	1	04/09/2024 01:55	WG2259701
Lead,Dissolved	U		0.000849	0.00200	1	04/09/2024 21:25	WG2260453
Manganese	0.00121	J	0.000704	0.00500	1	04/09/2024 01:55	WG2259701
Manganese,Dissolved	U		0.000704	0.00500	1	04/09/2024 21:25	WG2260453
Nickel	0.000916	J	0.000816	0.00200	1	04/09/2024 01:55	WG2259701
Nickel,Dissolved	0.000825	J	0.000816	0.00200	1	04/09/2024 21:25	WG2260453

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Potassium	2.17		0.108	2.00	1	04/09/2024 01:55	WG2259701
Selenium	0.00951		0.000300	0.00200	1	04/09/2024 01:55	WG2259701
Selenium,Dissolved	0.00906		0.000300	0.00200	1	04/09/2024 21:25	WG2260453
Sodium	37.0		0.376	2.00	1	04/09/2024 11:05	WG2259701
Uranium	0.0230		0.0000789	0.00100	1	04/09/2024 01:55	WG2259701
Uranium,Dissolved	0.0242		0.0000789	0.00100	1	04/09/2024 21:25	WG2260453
Vanadium	0.00950		0.000664	0.00500	1	04/09/2024 01:55	WG2259701
Vanadium,Dissolved	0.00904		0.000664	0.00500	1	04/09/2024 21:25	WG2260453

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/05/2024 10:15	WG2260201
(S) a,a,a-Trifluorotoluene(FID)	*102*			*78.0-120*		*04/05/2024 10:15*	WG2260201

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/05/2024 11:54	WG2260907
Benzene	U		0.0000941	0.00100	1	04/08/2024 14:49	WG2262655
Bromodichloromethane	U		0.000136	0.00100	1	04/05/2024 11:54	WG2260907
Bromoform	U		0.000129	0.00100	1	04/05/2024 11:54	WG2260907
Bromomethane	U		0.000605	0.00500	1	04/05/2024 11:54	WG2260907
n-Butylbenzene	U		0.000157	0.00100	1	04/05/2024 11:54	WG2260907
sec-Butylbenzene	U		0.000125	0.00100	1	04/05/2024 11:54	WG2260907
Carbon disulfide	U		0.0000962	0.00100	1	04/05/2024 11:54	WG2260907
Carbon tetrachloride	U		0.000128	0.00100	1	04/05/2024 11:54	WG2260907
Chlorobenzene	U		0.000116	0.00100	1	04/05/2024 11:54	WG2260907
Chlorodibromomethane	U		0.000140	0.00100	1	04/05/2024 11:54	WG2260907
Chloroethane	U		0.000192	0.00500	1	04/05/2024 11:54	WG2260907
Chloroform	U		0.000111	0.00500	1	04/05/2024 11:54	WG2260907
Chloromethane	U		0.000960	0.00250	1	04/05/2024 11:54	WG2260907
1,2-Dibromoethane	U		0.000126	0.00100	1	04/05/2024 11:54	WG2260907
1,1-Dichloroethane	U		0.000100	0.00100	1	04/05/2024 11:54	WG2260907
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/05/2024 11:54	WG2260907
1,1-Dichloroethene	U		0.000188	0.00100	1	04/05/2024 11:54	WG2260907
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/05/2024 11:54	WG2260907
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/05/2024 11:54	WG2260907
1,2-Dichloropropane	U		0.000149	0.00100	1	04/05/2024 11:54	WG2260907
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/05/2024 11:54	WG2260907
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/05/2024 11:54	WG2260907
Ethylbenzene	U		0.000137	0.00100	1	04/05/2024 11:54	WG2260907
Isopropylbenzene	U		0.000105	0.00100	1	04/05/2024 11:54	WG2260907
p-Isopropyltoluene	U		0.000120	0.00100	1	04/05/2024 11:54	WG2260907
2-Butanone (MEK)	U		0.00119	0.0100	1	04/05/2024 11:54	WG2260907
2-Hexanone	U		0.000787	0.0100	1	04/05/2024 11:54	WG2260907
Methylene Chloride	U		0.000430	0.00500	1	04/05/2024 11:54	WG2260907
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/05/2024 11:54	WG2260907
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/05/2024 11:54	WG2260907
Naphthalene	U		0.00100	0.00500	1	04/05/2024 11:54	WG2260907
n-Propylbenzene	U		0.0000993	0.00100	1	04/05/2024 11:54	WG2260907
Styrene	U		0.000118	0.00100	1	04/05/2024 11:54	WG2260907
tert-Butyl alcohol	U		0.00406	0.00500	1	04/08/2024 14:49	WG2262655
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/05/2024 11:54	WG2260907
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/05/2024 11:54	WG2260907

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	U		0.000300	0.00100	1	04/05/2024 11:54	WG2260907
Toluene	U		0.000278	0.00100	1	04/05/2024 11:54	WG2260907
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/05/2024 11:54	WG2260907
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/05/2024 11:54	WG2260907
Trichloroethene	U		0.000190	0.00100	1	04/05/2024 11:54	WG2260907
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/05/2024 11:54	WG2260907
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/05/2024 11:54	WG2260907
Vinyl chloride	U		0.000234	0.00100	1	04/05/2024 11:54	WG2260907
o-Xylene	U		0.000174	0.00100	1	04/05/2024 11:54	WG2260907
m&p-Xylene	U		0.000430	0.00200	1	04/05/2024 11:54	WG2260907
Xylenes, Total	U		0.000174	0.00300	1	04/05/2024 11:54	WG2260907
(S) Toluene-d8	*105*			*80.0-120*		*04/05/2024 11:54*	WG2260907
(S) Toluene-d8	*106*			*80.0-120*		*04/08/2024 14:49*	WG2262655
(S) 4-Bromofluorobenzene	*91.5*			*77.0-126*		*04/05/2024 11:54*	WG2260907
(S) 4-Bromofluorobenzene	*91.8*			*77.0-126*		*04/08/2024 14:49*	WG2262655
(S) 1,2-Dichloroethane-d4	*99.9*			*70.0-130*		*04/05/2024 11:54*	WG2260907
(S) 1,2-Dichloroethane-d4	*98.8*			*70.0-130*		*04/08/2024 14:49*	WG2262655

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) High Fraction	0.0416	B J	0.0247	0.100	1	04/11/2024 12:03	WG2263771
(S) o-Terphenyl	*83.2*			*52.0-156*		*04/11/2024 12:03*	WG2263771

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	3770		50.0	1	04/04/2024 12:31	WG2259692

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Cyanide	U		0.00180	0.00500	1	04/08/2024 17:26	WG2261489

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	58.3		3.79	10.0	10	04/03/2024 04:23	WG2258870
Fluoride	U		0.640	1.50	10	04/03/2024 04:23	WG2258870
Nitrate	U		0.480	1.00	10	04/03/2024 04:23	WG2258870
Nitrite	0.454	J	0.420	1.00	10	04/03/2024 04:23	WG2258870
Sulfate	3290		59.4	500	100	04/03/2024 04:38	WG2258870

Sample Narrative:

L1721276-02 WG2258870: NO3-, and NO2- BDL at 10x due to matrix/high SO4-

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.000100	0.000200	1	04/03/2024 21:47	WG2258932
Mercury,Dissolved	U		0.000100	0.000200	1	04/03/2024 19:32	WG2258948

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron	1.32		0.0200	0.200	1	04/04/2024 17:59	WG2259676
Boron,Dissolved	1.34		0.0200	0.200	1	04/07/2024 19:11	WG2259669

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.00194	J	0.000180	0.00200	1	04/09/2024 01:58	WG2259701
Arsenic,Dissolved	0.00123	J	0.000180	0.00200	1	04/09/2024 21:28	WG2260453
Barium	0.0256		0.000381	0.00200	1	04/09/2024 01:58	WG2259701
Barium,Dissolved	0.0168		0.000381	0.00200	1	04/09/2024 21:28	WG2260453
Cadmium	U		0.000150	0.00100	1	04/09/2024 01:58	WG2259701
Cadmium,Dissolved	U		0.000150	0.00100	1	04/09/2024 21:28	WG2260453
Calcium	611		0.0936	1.00	1	04/09/2024 01:58	WG2259701
Chromium	0.00166	J	0.00124	0.00200	1	04/09/2024 01:58	WG2259701
Chromium,Dissolved	U		0.00124	0.00200	1	04/09/2024 21:28	WG2260453
Cobalt	0.00104	J	0.0000596	0.00200	1	04/09/2024 01:58	WG2259701
Cobalt,Dissolved	0.000106	J	0.0000596	0.00200	1	04/09/2024 21:28	WG2260453
Iron	0.524		0.0281	0.100	1	04/09/2024 01:58	WG2259701
Iron,Dissolved	U		0.0281	0.100	1	04/09/2024 21:28	WG2260453
Lead	U		0.000849	0.00200	1	04/09/2024 01:58	WG2259701
Lead,Dissolved	U		0.000849	0.00200	1	04/09/2024 21:28	WG2260453
Manganese	0.161		0.000704	0.00500	1	04/09/2024 01:58	WG2259701
Manganese,Dissolved	0.00112	J	0.000704	0.00500	1	04/09/2024 21:28	WG2260453
Nickel	0.00228		0.000816	0.00200	1	04/09/2024 01:58	WG2259701
Nickel,Dissolved	U		0.000816	0.00200	1	04/09/2024 21:28	WG2260453

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Potassium	2.09		0.108	2.00	1	04/09/2024 01:58	WG2259701
Selenium	0.00783		0.000300	0.00200	1	04/09/2024 01:58	WG2259701
Selenium,Dissolved	0.00707		0.000300	0.00200	1	04/09/2024 21:28	WG2260453
Sodium	347		0.376	2.00	1	04/09/2024 11:09	WG2259701
Uranium	0.0464		0.0000789	0.00100	1	04/09/2024 01:58	WG2259701
Uranium,Dissolved	0.0406		0.0000789	0.00100	1	04/09/2024 21:28	WG2260453
Vanadium	0.0104		0.000664	0.00500	1	04/09/2024 01:58	WG2259701
Vanadium,Dissolved	0.00718		0.000664	0.00500	1	04/09/2024 21:28	WG2260453

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/05/2024 10:37	WG2260201
(S) a,a,a-Trifluorotoluene(FID)	*102*			*78.0-120*		*04/05/2024 10:37*	WG2260201

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		0.0113	0.0500	1	04/05/2024 12:16	WG2260907
Benzene	U		0.0000941	0.00100	1	04/08/2024 15:10	WG2262655
Bromodichloromethane	U		0.000136	0.00100	1	04/05/2024 12:16	WG2260907
Bromoform	U		0.000129	0.00100	1	04/05/2024 12:16	WG2260907
Bromomethane	U		0.000605	0.00500	1	04/05/2024 12:16	WG2260907
n-Butylbenzene	U		0.000157	0.00100	1	04/05/2024 12:16	WG2260907
sec-Butylbenzene	U		0.000125	0.00100	1	04/05/2024 12:16	WG2260907
Carbon disulfide	U		0.0000962	0.00100	1	04/05/2024 12:16	WG2260907
Carbon tetrachloride	U		0.000128	0.00100	1	04/05/2024 12:16	WG2260907
Chlorobenzene	U		0.000116	0.00100	1	04/05/2024 12:16	WG2260907
Chlorodibromomethane	U		0.000140	0.00100	1	04/05/2024 12:16	WG2260907
Chloroethane	U		0.000192	0.00500	1	04/05/2024 12:16	WG2260907
Chloroform	U		0.000111	0.00500	1	04/05/2024 12:16	WG2260907
Chloromethane	U		0.000960	0.00250	1	04/05/2024 12:16	WG2260907
1,2-Dibromoethane	U		0.000126	0.00100	1	04/05/2024 12:16	WG2260907
1,1-Dichloroethane	U		0.000100	0.00100	1	04/05/2024 12:16	WG2260907
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/05/2024 12:16	WG2260907
1,1-Dichloroethene	U		0.000188	0.00100	1	04/05/2024 12:16	WG2260907
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/05/2024 12:16	WG2260907
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/05/2024 12:16	WG2260907
1,2-Dichloropropane	U		0.000149	0.00100	1	04/05/2024 12:16	WG2260907
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/05/2024 12:16	WG2260907
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/05/2024 12:16	WG2260907
Ethylbenzene	U		0.000137	0.00100	1	04/05/2024 12:16	WG2260907
Isopropylbenzene	U		0.000105	0.00100	1	04/05/2024 12:16	WG2260907
p-Isopropyltoluene	U		0.000120	0.00100	1	04/05/2024 12:16	WG2260907
2-Butanone (MEK)	U		0.00119	0.0100	1	04/05/2024 12:16	WG2260907
2-Hexanone	U		0.000787	0.0100	1	04/05/2024 12:16	WG2260907
Methylene Chloride	U		0.000430	0.00500	1	04/05/2024 12:16	WG2260907
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/05/2024 12:16	WG2260907
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/05/2024 12:16	WG2260907
Naphthalene	U		0.00100	0.00500	1	04/05/2024 12:16	WG2260907
n-Propylbenzene	U		0.0000993	0.00100	1	04/05/2024 12:16	WG2260907
Styrene	U		0.000118	0.00100	1	04/05/2024 12:16	WG2260907
tert-Butyl alcohol	U		0.00406	0.00500	1	04/05/2024 12:16	WG2260907
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/05/2024 12:16	WG2260907
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/05/2024 12:16	WG2260907

UG-4
Collected date/time: 04/01/24 11:50
L1721276

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Tetrachloroethene	U		0.000300	0.00100	1	04/05/2024 12:16	WG2260907
Toluene	U		0.000278	0.00100	1	04/05/2024 12:16	WG2260907
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/05/2024 12:16	WG2260907
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/05/2024 12:16	WG2260907
Trichloroethene	U		0.000190	0.00100	1	04/05/2024 12:16	WG2260907
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/05/2024 12:16	WG2260907
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/05/2024 12:16	WG2260907
Vinyl chloride	U		0.000234	0.00100	1	04/05/2024 12:16	WG2260907
o-Xylene	U		0.000174	0.00100	1	04/05/2024 12:16	WG2260907
m&p-Xylene	U		0.000430	0.00200	1	04/05/2024 12:16	WG2260907
Xylenes, Total	U		0.000174	0.00300	1	04/05/2024 12:16	WG2260907
(S) Toluene-d8	*104*			*80.0-120*		*04/05/2024 12:16*	WG2260907
(S) Toluene-d8	*107*			*80.0-120*		*04/08/2024 15:10*	WG2262655
(S) 4-Bromofluorobenzene	*90.7*			*77.0-126*		*04/05/2024 12:16*	WG2260907
(S) 4-Bromofluorobenzene	*93.8*			*77.0-126*		*04/08/2024 15:10*	WG2262655
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*04/05/2024 12:16*	WG2260907
(S) 1,2-Dichloroethane-d4	*99.8*			*70.0-130*		*04/08/2024 15:10*	WG2262655

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0800	J	0.0247	0.100	1	04/08/2024 19:53	WG2261381
(S) o-Terphenyl	*82.1*			*52.0-156*		*04/08/2024 19:53*	WG2261381

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2850		50.0	1	04/03/2024 22:18	WG2259333

Wet Chemistry by Method 4500CN E-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Cyanide	U		0.00360	0.0100	2	04/08/2024 17:27	WG2261489

Sample Narrative:

L1721276-03 WG2261489: dilution due to sample matrix(no2no3 interference)

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	41.0		3.79	10.0	10	04/03/2024 04:53	WG2258870
Fluoride	U		0.640	1.50	10	04/03/2024 04:53	WG2258870
Nitrate	U		0.480	1.00	10	04/03/2024 04:53	WG2258870
Nitrite	U		0.420	1.00	10	04/03/2024 04:53	WG2258870
Sulfate	1700		5.94	50.0	10	04/03/2024 04:53	WG2258870

Sample Narrative:

L1721276-03 WG2258870: NO3-, and NO2- BDL at 10x due to matrix/high SO4-

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	04/03/2024 21:50	WG2258932
Mercury,Dissolved	U		0.000100	0.000200	1	04/03/2024 19:35	WG2258948

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.532		0.0200	0.200	1	04/04/2024 18:00	WG2259676
Boron,Dissolved	0.541		0.0200	0.200	1	04/07/2024 19:13	WG2259669

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00125	J	0.000180	0.00200	1	04/09/2024 19:06	WG2259704
Arsenic,Dissolved	0.00125	J	0.000180	0.00200	1	04/09/2024 21:32	WG2260453
Barium	0.0102		0.000381	0.00200	1	04/09/2024 19:06	WG2259704
Barium,Dissolved	0.0106		0.000381	0.00200	1	04/09/2024 21:32	WG2260453
Cadmium	U		0.000150	0.00100	1	04/09/2024 19:06	WG2259704
Cadmium,Dissolved	U		0.000150	0.00100	1	04/09/2024 21:32	WG2260453
Calcium	392		0.0936	1.00	1	04/09/2024 19:06	WG2259704
Chromium	U		0.00124	0.00200	1	04/09/2024 19:06	WG2259704
Chromium,Dissolved	U		0.00124	0.00200	1	04/09/2024 21:32	WG2260453
Cobalt	0.000228	J	0.0000596	0.00200	1	04/09/2024 19:06	WG2259704
Cobalt,Dissolved	0.0000677	J	0.0000596	0.00200	1	04/09/2024 21:32	WG2260453
Iron	U		0.0281	0.100	1	04/09/2024 19:06	WG2259704
Iron,Dissolved	U		0.0281	0.100	1	04/09/2024 21:32	WG2260453
Lead	U		0.000849	0.00200	1	04/09/2024 19:06	WG2259704
Lead,Dissolved	U		0.000849	0.00200	1	04/09/2024 21:32	WG2260453
Manganese	U		0.000704	0.00500	1	04/09/2024 19:06	WG2259704

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Manganese,Dissolved	U		0.000704	0.00500	1	04/09/2024 21:32	WG2260453
Nickel	U		0.000816	0.00200	1	04/09/2024 19:06	WG2259704
Nickel,Dissolved	U		0.000816	0.00200	1	04/09/2024 21:32	WG2260453
Potassium	0.786	J	0.108	2.00	1	04/09/2024 19:06	WG2259704
Selenium	0.00573		0.000300	0.00200	1	04/09/2024 19:06	WG2259704
Selenium,Dissolved	0.00613		0.000300	0.00200	1	04/09/2024 21:32	WG2260453
Sodium	64.2		0.376	2.00	1	04/09/2024 19:06	WG2259704
Uranium	0.0263		0.0000789	0.00100	1	04/09/2024 19:06	WG2259704
Uranium,Dissolved	0.0282		0.0000789	0.00100	1	04/09/2024 21:32	WG2260453
Vanadium	0.0116		0.000664	0.00500	1	04/09/2024 19:06	WG2259704
Vanadium,Dissolved	0.0122		0.000664	0.00500	1	04/09/2024 21:32	WG2260453

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/05/2024 10:59	WG2260201
(S) a,a,a-Trifluorotoluene(FID)	*102*			*78.0-120*		*04/05/2024 10:59*	WG2260201

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		0.0113	0.0500	1	04/05/2024 12:37	WG2260907
Benzene	U		0.0000941	0.00100	1	04/08/2024 15:32	WG2262655
Bromodichloromethane	0.00106		0.000136	0.00100	1	04/05/2024 12:37	WG2260907
Bromoform	U		0.000129	0.00100	1	04/05/2024 12:37	WG2260907
Bromomethane	U		0.000605	0.00500	1	04/05/2024 12:37	WG2260907
n-Butylbenzene	U		0.000157	0.00100	1	04/05/2024 12:37	WG2260907
sec-Butylbenzene	U		0.000125	0.00100	1	04/05/2024 12:37	WG2260907
Carbon disulfide	U		0.0000962	0.00100	1	04/05/2024 12:37	WG2260907
Carbon tetrachloride	U		0.000128	0.00100	1	04/05/2024 12:37	WG2260907
Chlorobenzene	U		0.000116	0.00100	1	04/05/2024 12:37	WG2260907
Chlorodibromomethane	U		0.000140	0.00100	1	04/05/2024 12:37	WG2260907
Chloroethane	U		0.000192	0.00500	1	04/05/2024 12:37	WG2260907
Chloroform	0.00167	J	0.000111	0.00500	1	04/05/2024 12:37	WG2260907
Chloromethane	U		0.000960	0.00250	1	04/05/2024 12:37	WG2260907
1,2-Dibromoethane	U		0.000126	0.00100	1	04/05/2024 12:37	WG2260907
1,1-Dichloroethane	U		0.000100	0.00100	1	04/05/2024 12:37	WG2260907
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/05/2024 12:37	WG2260907
1,1-Dichloroethene	U		0.000188	0.00100	1	04/05/2024 12:37	WG2260907
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/05/2024 12:37	WG2260907
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/05/2024 12:37	WG2260907
1,2-Dichloropropane	U		0.000149	0.00100	1	04/05/2024 12:37	WG2260907
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/05/2024 12:37	WG2260907
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/05/2024 12:37	WG2260907
Ethylbenzene	U		0.000137	0.00100	1	04/05/2024 12:37	WG2260907
Isopropylbenzene	U		0.000105	0.00100	1	04/05/2024 12:37	WG2260907
p-Isopropyltoluene	U		0.000120	0.00100	1	04/05/2024 12:37	WG2260907
2-Butanone (MEK)	U		0.00119	0.0100	1	04/05/2024 12:37	WG2260907
2-Hexanone	U		0.000787	0.0100	1	04/05/2024 12:37	WG2260907
Methylene Chloride	U		0.000430	0.00500	1	04/05/2024 12:37	WG2260907
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/05/2024 12:37	WG2260907
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/05/2024 12:37	WG2260907
Naphthalene	U		0.00100	0.00500	1	04/05/2024 12:37	WG2260907
n-Propylbenzene	U		0.0000993	0.00100	1	04/05/2024 12:37	WG2260907
Styrene	U		0.000118	0.00100	1	04/05/2024 12:37	WG2260907

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
tert-Butyl alcohol	U		0.00406	0.00500	1	04/05/2024 12:37	WG2260907
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/05/2024 12:37	WG2260907
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/05/2024 12:37	WG2260907
Tetrachloroethene	U		0.000300	0.00100	1	04/05/2024 12:37	WG2260907
Toluene	U		0.000278	0.00100	1	04/05/2024 12:37	WG2260907
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/05/2024 12:37	WG2260907
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/05/2024 12:37	WG2260907
Trichloroethene	U		0.000190	0.00100	1	04/05/2024 12:37	WG2260907
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/05/2024 12:37	WG2260907
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/05/2024 12:37	WG2260907
Vinyl chloride	U		0.000234	0.00100	1	04/05/2024 12:37	WG2260907
o-Xylene	U		0.000174	0.00100	1	04/05/2024 12:37	WG2260907
m&p-Xylene	U		0.000430	0.00200	1	04/05/2024 12:37	WG2260907
Xylenes, Total	U		0.000174	0.00300	1	04/05/2024 12:37	WG2260907
(S) Toluene-d8	*103*			*80.0-120*		*04/05/2024 12:37*	WG2260907
(S) Toluene-d8	*105*			*80.0-120*		*04/08/2024 15:32*	WG2262655
(S) 4-Bromofluorobenzene	*91.4*			*77.0-126*		*04/05/2024 12:37*	WG2260907
(S) 4-Bromofluorobenzene	*93.2*			*77.0-126*		*04/08/2024 15:32*	WG2262655
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*04/05/2024 12:37*	WG2260907
(S) 1,2-Dichloroethane-d4	*99.4*			*70.0-130*		*04/08/2024 15:32*	WG2262655

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	04/08/2024 20:13	WG2261381
(S) o-Terphenyl	*81.1*			*52.0-156*		*04/08/2024 20:13*	WG2261381

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	1660		25.0	1	04/03/2024 22:18	WG2259333

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Cyanide	U		0.00360	0.0100	2	04/08/2024 17:29	WG2261489

Sample Narrative:

L1721276-04 WG2261489: dilution due to sample matrix(no2no3 interference)

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	47.5		3.79	10.0	10	04/03/2024 05:52	WG2258870
Fluoride	1.24	J	0.640	1.50	10	04/03/2024 05:52	WG2258870
Nitrate	12.4		0.480	1.00	10	04/03/2024 05:52	WG2258870
Nitrite	0.461	J	0.420	1.00	10	04/03/2024 05:52	WG2258870
Sulfate	928		5.94	50.0	10	04/03/2024 05:52	WG2258870

Sample Narrative:

L1721276-04 WG2258870: F- and NO2- BDL at 10x due to matrix/high SO4-

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.000100	0.000200	1	04/03/2024 19:59	WG2258996
Mercury,Dissolved	U		0.000100	0.000200	1	04/03/2024 19:37	WG2258948

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron	0.247		0.0200	0.200	1	04/04/2024 17:50	WG2259676
Boron,Dissolved	0.244		0.0200	0.200	1	04/07/2024 19:18	WG2259669

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.00213		0.000180	0.00200	1	04/09/2024 19:10	WG2259704
Arsenic,Dissolved	0.00217		0.000180	0.00200	1	04/09/2024 21:35	WG2260453
Barium	0.0150		0.000381	0.00200	1	04/09/2024 19:10	WG2259704
Barium,Dissolved	0.0154		0.000381	0.00200	1	04/09/2024 21:35	WG2260453
Cadmium	U		0.000150	0.00100	1	04/09/2024 19:10	WG2259704
Cadmium,Dissolved	U		0.000150	0.00100	1	04/09/2024 21:35	WG2260453
Calcium	268		0.0936	1.00	1	04/09/2024 19:10	WG2259704
Chromium	U		0.00124	0.00200	1	04/09/2024 19:10	WG2259704
Chromium,Dissolved	U		0.00124	0.00200	1	04/09/2024 21:35	WG2260453
Cobalt	0.000128	J	0.0000596	0.00200	1	04/09/2024 19:10	WG2259704
Cobalt,Dissolved	0.0000790	J	0.0000596	0.00200	1	04/09/2024 21:35	WG2260453
Iron	U		0.0281	0.100	1	04/09/2024 19:10	WG2259704
Iron,Dissolved	U		0.0281	0.100	1	04/09/2024 21:35	WG2260453
Lead	U		0.000849	0.00200	1	04/09/2024 19:10	WG2259704
Lead,Dissolved	U		0.000849	0.00200	1	04/09/2024 21:35	WG2260453
Manganese	0.00148	J	0.000704	0.00500	1	04/09/2024 19:10	WG2259704

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Manganese,Dissolved	U		0.000704	0.00500	1	04/09/2024 21:35	WG2260453
Nickel	0.00182	J	0.000816	0.00200	1	04/09/2024 19:10	WG2259704
Nickel,Dissolved	0.00177	J	0.000816	0.00200	1	04/09/2024 21:35	WG2260453
Potassium	0.950	J	0.108	2.00	1	04/09/2024 19:10	WG2259704
Selenium	0.00471		0.000300	0.00200	1	04/09/2024 19:10	WG2259704
Selenium,Dissolved	0.00454		0.000300	0.00200	1	04/09/2024 21:35	WG2260453
Sodium	66.8		0.376	2.00	1	04/09/2024 19:10	WG2259704
Uranium	0.0115		0.0000789	0.00100	1	04/09/2024 19:10	WG2259704
Uranium,Dissolved	0.0123		0.0000789	0.00100	1	04/09/2024 21:35	WG2260453
Vanadium	0.0217		0.000664	0.00500	1	04/09/2024 19:10	WG2259704
Vanadium,Dissolved	0.0228		0.000664	0.00500	1	04/09/2024 21:35	WG2260453

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/04/2024 16:49	WG2260212
(S) a,a,a-Trifluorotoluene(FID)	*102*			*78.0-120*		*04/04/2024 16:49*	WG2260212

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/05/2024 12:58	WG2260907
Benzene	U		0.0000941	0.00100	1	04/08/2024 15:53	WG2262655
Bromodichloromethane	U		0.000136	0.00100	1	04/05/2024 12:58	WG2260907
Bromoform	U		0.000129	0.00100	1	04/05/2024 12:58	WG2260907
Bromomethane	U		0.000605	0.00500	1	04/05/2024 12:58	WG2260907
n-Butylbenzene	U		0.000157	0.00100	1	04/05/2024 12:58	WG2260907
sec-Butylbenzene	U		0.000125	0.00100	1	04/05/2024 12:58	WG2260907
Carbon disulfide	U		0.0000962	0.00100	1	04/05/2024 12:58	WG2260907
Carbon tetrachloride	U		0.000128	0.00100	1	04/05/2024 12:58	WG2260907
Chlorobenzene	U		0.000116	0.00100	1	04/05/2024 12:58	WG2260907
Chlorodibromomethane	U		0.000140	0.00100	1	04/05/2024 12:58	WG2260907
Chloroethane	U		0.000192	0.00500	1	04/05/2024 12:58	WG2260907
Chloroform	U		0.000111	0.00500	1	04/05/2024 12:58	WG2260907
Chloromethane	U		0.000960	0.00250	1	04/05/2024 12:58	WG2260907
1,2-Dibromoethane	U		0.000126	0.00100	1	04/05/2024 12:58	WG2260907
1,1-Dichloroethane	U		0.000100	0.00100	1	04/05/2024 12:58	WG2260907
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/05/2024 12:58	WG2260907
1,1-Dichloroethene	U		0.000188	0.00100	1	04/05/2024 12:58	WG2260907
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/05/2024 12:58	WG2260907
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/05/2024 12:58	WG2260907
1,2-Dichloropropane	U		0.000149	0.00100	1	04/05/2024 12:58	WG2260907
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/05/2024 12:58	WG2260907
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/05/2024 12:58	WG2260907
Ethylbenzene	U		0.000137	0.00100	1	04/05/2024 12:58	WG2260907
Isopropylbenzene	U		0.000105	0.00100	1	04/05/2024 12:58	WG2260907
p-Isopropyltoluene	U		0.000120	0.00100	1	04/05/2024 12:58	WG2260907
2-Butanone (MEK)	U		0.00119	0.0100	1	04/05/2024 12:58	WG2260907
2-Hexanone	U		0.000787	0.0100	1	04/05/2024 12:58	WG2260907
Methylene Chloride	U		0.000430	0.00500	1	04/05/2024 12:58	WG2260907
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/05/2024 12:58	WG2260907
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/05/2024 12:58	WG2260907
Naphthalene	U		0.00100	0.00500	1	04/05/2024 12:58	WG2260907
n-Propylbenzene	U		0.0000993	0.00100	1	04/05/2024 12:58	WG2260907
Styrene	U		0.000118	0.00100	1	04/05/2024 12:58	WG2260907

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
tert-Butyl alcohol	U		0.00406	0.00500	1	04/05/2024 12:58	WG2260907
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/05/2024 12:58	WG2260907
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/05/2024 12:58	WG2260907
Tetrachloroethene	U		0.000300	0.00100	1	04/05/2024 12:58	WG2260907
Toluene	U		0.000278	0.00100	1	04/05/2024 12:58	WG2260907
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/05/2024 12:58	WG2260907
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/05/2024 12:58	WG2260907
Trichloroethene	U		0.000190	0.00100	1	04/05/2024 12:58	WG2260907
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/05/2024 12:58	WG2260907
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/05/2024 12:58	WG2260907
Vinyl chloride	U		0.000234	0.00100	1	04/05/2024 12:58	WG2260907
o-Xylene	U		0.000174	0.00100	1	04/05/2024 12:58	WG2260907
m&p-Xylene	U		0.000430	0.00200	1	04/05/2024 12:58	WG2260907
Xylenes, Total	U		0.000174	0.00300	1	04/05/2024 12:58	WG2260907
(S) Toluene-d8	*105*			*80.0-120*		*04/05/2024 12:58*	WG2260907
(S) Toluene-d8	*106*			*80.0-120*		*04/08/2024 15:53*	WG2262655
(S) 4-Bromofluorobenzene	*92.2*			*77.0-126*		*04/05/2024 12:58*	WG2260907
(S) 4-Bromofluorobenzene	*95.4*			*77.0-126*		*04/08/2024 15:53*	WG2262655
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*04/05/2024 12:58*	WG2260907
(S) 1,2-Dichloroethane-d4	*100*			*70.0-130*		*04/08/2024 15:53*	WG2262655

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	04/08/2024 20:33	WG2261381
(S) o-Terphenyl	*81.1*			*52.0-156*		*04/08/2024 20:33*	WG2261381

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4080		50.0	1	04/05/2024 19:03	WG2260738

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	331		3.79	10.0	10	04/07/2024 03:17	WG2261796
Fluoride	1.88	B	0.640	1.50	10	04/16/2024 17:31	WG2267381
Sulfate	1640		59.4	500	100	04/07/2024 03:30	WG2261796

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00368		0.000180	0.00200	1	04/07/2024 19:49	WG2260971
Arsenic,Dissolved	0.00365		0.000180	0.00200	1	04/10/2024 01:22	WG2261157
Barium	0.00894		0.000381	0.00200	1	04/07/2024 19:49	WG2260971
Barium,Dissolved	0.00918		0.000381	0.00200	1	04/10/2024 01:22	WG2261157
Calcium	556	O1 V	0.0936	1.00	1	04/07/2024 19:49	WG2260971
Chromium	U		0.00124	0.00200	1	04/07/2024 19:49	WG2260971
Chromium,Dissolved	U		0.00124	0.00200	1	04/10/2024 01:22	WG2261157
Iron	U		0.0281	0.100	1	04/07/2024 19:49	WG2260971
Iron,Dissolved	U		0.0281	0.100	1	04/10/2024 01:22	WG2261157
Lead	U		0.000849	0.00200	1	04/07/2024 19:49	WG2260971
Lead,Dissolved	U		0.000849	0.00200	1	04/10/2024 01:22	WG2261157
Manganese	0.0283		0.000704	0.00500	1	04/07/2024 19:49	WG2260971
Manganese,Dissolved	0.0286		0.000704	0.00500	1	04/10/2024 01:22	WG2261157
Potassium	1.27	J	0.108	2.00	1	04/07/2024 19:49	WG2260971
Selenium	0.00231		0.000300	0.00200	1	04/07/2024 19:49	WG2260971
Selenium,Dissolved	0.00258		0.000300	0.00200	1	04/10/2024 01:22	WG2261157
Sodium	248	O1 V	0.376	2.00	1	04/07/2024 19:49	WG2260971

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0365	B J	0.0314	0.100	1	04/08/2024 04:30	WG2262334
(S) a,a,a-Trifluorotoluene(FID)	*91.9*			*78.0-120*		*04/08/2024 04:30*	WG2262334

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 18:58	WG2261956
Benzene	U		0.0000941	0.00100	1	04/06/2024 18:58	WG2261956
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 18:58	WG2261956
Bromoform	U		0.000129	0.00100	1	04/06/2024 18:58	WG2261956
Bromomethane	U		0.000605	0.00500	1	04/06/2024 18:58	WG2261956
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 18:58	WG2261956
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2024 18:58	WG2261956
Carbon disulfide	U		0.0000962	0.00100	1	04/06/2024 18:58	WG2261956
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 18:58	WG2261956
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 18:58	WG2261956
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 18:58	WG2261956
Chloroethane	U		0.000192	0.00500	1	04/06/2024 18:58	WG2261956
Chloroform	U		0.000111	0.00500	1	04/06/2024 18:58	WG2261956
Chloromethane	U		0.000960	0.00250	1	04/06/2024 18:58	WG2261956

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 18:58	WG2261956
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 18:58	WG2261956
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 18:58	WG2261956
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 18:58	WG2261956
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 18:58	WG2261956
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 18:58	WG2261956
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 18:58	WG2261956
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 18:58	WG2261956
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 18:58	WG2261956
Ethylbenzene	U		0.000137	0.00100	1	04/06/2024 18:58	WG2261956
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2024 18:58	WG2261956
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 18:58	WG2261956
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 18:58	WG2261956
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 18:58	WG2261956
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 18:58	WG2261956
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 18:58	WG2261956
Methyl tert-butyl ether	0.000735	J	0.000101	0.00100	1	04/06/2024 18:58	WG2261956
Naphthalene	U		0.00100	0.00500	1	04/06/2024 18:58	WG2261956
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2024 18:58	WG2261956
Styrene	U		0.000118	0.00100	1	04/06/2024 18:58	WG2261956
tert-Butyl alcohol	U		0.00406	0.00500	1	04/06/2024 18:58	WG2261956
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 18:58	WG2261956
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 18:58	WG2261956
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 18:58	WG2261956
Toluene	U		0.000278	0.00100	1	04/06/2024 18:58	WG2261956
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 18:58	WG2261956
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 18:58	WG2261956
Trichloroethene	U	J4	0.000190	0.00100	1	04/06/2024 18:58	WG2261956
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2024 18:58	WG2261956
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2024 18:58	WG2261956
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 18:58	WG2261956
o-Xylene	U		0.000174	0.00100	1	04/06/2024 18:58	WG2261956
m&p-Xylene	U		0.000430	0.00200	1	04/06/2024 18:58	WG2261956
Xylenes, Total	U		0.000174	0.00300	1	04/06/2024 18:58	WG2261956
(S) Toluene-d8	*111*			*80.0-120*		*04/06/2024 18:58*	WG2261956
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*04/06/2024 18:58*	WG2261956
(S) 1,2-Dichloroethane-d4	*90.1*			*70.0-130*		*04/06/2024 18:58*	WG2261956

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.139		0.0247	0.100	1	04/10/2024 00:26	WG2262630
(S) o-Terphenyl	*62.1*			*52.0-156*		*04/10/2024 00:26*	WG2262630

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4980		100	1	04/05/2024 19:03	WG2260738

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	276		3.79	10.0	10	04/05/2024 14:55	WG2260726
Fluoride	1.71		0.640	1.50	10	04/05/2024 14:55	WG2260726
Sulfate	2900		59.4	500	100	04/05/2024 15:10	WG2260726

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00469		0.000180	0.00200	1	04/07/2024 20:09	WG2260971
Arsenic,Dissolved	0.00458		0.000180	0.00200	1	04/10/2024 01:25	WG2261157
Barium	0.00859		0.000381	0.00200	1	04/07/2024 20:09	WG2260971
Barium,Dissolved	0.00917		0.000381	0.00200	1	04/10/2024 01:25	WG2261157
Calcium	566		0.0936	1.00	1	04/07/2024 20:09	WG2260971
Chromium	U		0.00124	0.00200	1	04/07/2024 20:09	WG2260971
Chromium,Dissolved	U		0.00124	0.00200	1	04/10/2024 01:25	WG2261157
Iron	U		0.0281	0.100	1	04/07/2024 20:09	WG2260971
Iron,Dissolved	U		0.0281	0.100	1	04/10/2024 01:25	WG2261157
Lead	U		0.000849	0.00200	1	04/07/2024 20:09	WG2260971
Lead,Dissolved	U		0.000849	0.00200	1	04/10/2024 01:25	WG2261157
Manganese	U		0.000704	0.00500	1	04/07/2024 20:09	WG2260971
Manganese,Dissolved	U		0.000704	0.00500	1	04/10/2024 01:25	WG2261157
Potassium	1.54	J	0.108	2.00	1	04/07/2024 20:09	WG2260971
Selenium	0.00516		0.000300	0.00200	1	04/07/2024 20:09	WG2260971
Selenium,Dissolved	0.00532		0.000300	0.00200	1	04/10/2024 01:25	WG2261157
Sodium	275		0.376	2.00	1	04/07/2024 20:09	WG2260971

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/08/2024 16:49	WG2262608
(S) a,a,a-Trifluorotoluene(FID)	*91.1*			*78.0-120*		*04/08/2024 16:49*	WG2262608

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 19:18	WG2261956
Benzene	U		0.0000941	0.00100	1	04/06/2024 19:18	WG2261956
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 19:18	WG2261956
Bromoform	U		0.000129	0.00100	1	04/06/2024 19:18	WG2261956
Bromomethane	U		0.000605	0.00500	1	04/06/2024 19:18	WG2261956
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 19:18	WG2261956
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2024 19:18	WG2261956
Carbon disulfide	U		0.0000962	0.00100	1	04/06/2024 19:18	WG2261956
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 19:18	WG2261956
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 19:18	WG2261956
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 19:18	WG2261956
Chloroethane	U		0.000192	0.00500	1	04/06/2024 19:18	WG2261956
Chloroform	U		0.000111	0.00500	1	04/06/2024 19:18	WG2261956
Chloromethane	U		0.000960	0.00250	1	04/06/2024 19:18	WG2261956

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 19:18	WG2261956
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 19:18	WG2261956
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 19:18	WG2261956
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 19:18	WG2261956
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 19:18	WG2261956
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 19:18	WG2261956
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 19:18	WG2261956
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 19:18	WG2261956
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 19:18	WG2261956
Ethylbenzene	U		0.000137	0.00100	1	04/06/2024 19:18	WG2261956
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2024 19:18	WG2261956
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 19:18	WG2261956
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 19:18	WG2261956
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 19:18	WG2261956
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 19:18	WG2261956
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 19:18	WG2261956
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/06/2024 19:18	WG2261956
Naphthalene	U		0.00100	0.00500	1	04/06/2024 19:18	WG2261956
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2024 19:18	WG2261956
Styrene	U		0.000118	0.00100	1	04/06/2024 19:18	WG2261956
tert-Butyl alcohol	U		0.00406	0.00500	1	04/06/2024 19:18	WG2261956
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 19:18	WG2261956
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 19:18	WG2261956
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 19:18	WG2261956
Toluene	U		0.000278	0.00100	1	04/06/2024 19:18	WG2261956
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 19:18	WG2261956
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 19:18	WG2261956
Trichloroethene	U	J4	0.000190	0.00100	1	04/06/2024 19:18	WG2261956
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2024 19:18	WG2261956
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2024 19:18	WG2261956
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 19:18	WG2261956
o-Xylene	U		0.000174	0.00100	1	04/06/2024 19:18	WG2261956
m&p-Xylene	U		0.000430	0.00200	1	04/06/2024 19:18	WG2261956
Xylenes, Total	U		0.000174	0.00300	1	04/06/2024 19:18	WG2261956
(S) Toluene-d8	*111*			*80.0-120*		*04/06/2024 19:18*	WG2261956
(S) 4-Bromofluorobenzene	*99.4*			*77.0-126*		*04/06/2024 19:18*	WG2261956
(S) 1,2-Dichloroethane-d4	*88.3*			*70.0-130*		*04/06/2024 19:18*	WG2261956

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0422	J	0.0247	0.100	1	04/10/2024 00:46	WG2262630
(S) o-Terphenyl	*72.6*			*52.0-156*		*04/10/2024 00:46*	WG2262630

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	4990		100	1	04/05/2024 19:03	WG2260738

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	274		3.79	10.0	10	04/07/2024 03:44	WG2261796
Fluoride	1.95	B	0.640	1.50	10	04/16/2024 18:09	WG2267381
Sulfate	1890		59.4	500	100	04/07/2024 03:57	WG2261796

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.00455		0.000180	0.00200	1	04/07/2024 20:12	WG2260971
Arsenic,Dissolved	0.00449		0.000180	0.00200	1	04/10/2024 01:09	WG2261157
Barium	0.00897		0.000381	0.00200	1	04/07/2024 20:12	WG2260971
Barium,Dissolved	0.00839		0.000381	0.00200	1	04/10/2024 01:09	WG2261157
Calcium	555		0.0936	1.00	1	04/07/2024 20:12	WG2260971
Chromium	U		0.00124	0.00200	1	04/07/2024 20:12	WG2260971
Chromium,Dissolved	U		0.00124	0.00200	1	04/10/2024 01:09	WG2261157
Iron	U		0.0281	0.100	1	04/07/2024 20:12	WG2260971
Iron,Dissolved	U		0.0281	0.100	1	04/10/2024 01:09	WG2261157
Lead	U		0.000849	0.00200	1	04/07/2024 20:12	WG2260971
Lead,Dissolved	U		0.000849	0.00200	1	04/10/2024 01:09	WG2261157
Manganese	U		0.000704	0.00500	1	04/07/2024 20:12	WG2260971
Manganese,Dissolved	0.000737	J	0.000704	0.00500	1	04/10/2024 01:09	WG2261157
Potassium	1.55	J	0.108	2.00	1	04/07/2024 20:12	WG2260971
Selenium	0.00470		0.000300	0.00200	1	04/07/2024 20:12	WG2260971
Selenium,Dissolved	0.00513		0.000300	0.00200	1	04/10/2024 01:09	WG2261157
Sodium	257		0.376	2.00	1	04/07/2024 20:12	WG2260971

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/08/2024 17:12	WG2262608
(S) a,a,a-Trifluorotoluene(FID)	*91.3*			*78.0-120*		*04/08/2024 17:12*	WG2262608

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		0.0113	0.0500	1	04/06/2024 19:38	WG2261956
Benzene	U		0.0000941	0.00100	1	04/06/2024 19:38	WG2261956
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 19:38	WG2261956
Bromoform	U		0.000129	0.00100	1	04/06/2024 19:38	WG2261956
Bromomethane	U		0.000605	0.00500	1	04/06/2024 19:38	WG2261956
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 19:38	WG2261956
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2024 19:38	WG2261956
Carbon disulfide	U		0.0000962	0.00100	1	04/06/2024 19:38	WG2261956
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 19:38	WG2261956
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 19:38	WG2261956
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 19:38	WG2261956
Chloroethane	U		0.000192	0.00500	1	04/06/2024 19:38	WG2261956
Chloroform	U		0.000111	0.00500	1	04/06/2024 19:38	WG2261956
Chloromethane	U		0.000960	0.00250	1	04/06/2024 19:38	WG2261956

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 19:38	WG2261956
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 19:38	WG2261956
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 19:38	WG2261956
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 19:38	WG2261956
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 19:38	WG2261956
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 19:38	WG2261956
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 19:38	WG2261956
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 19:38	WG2261956
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 19:38	WG2261956
Ethylbenzene	U		0.000137	0.00100	1	04/06/2024 19:38	WG2261956
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2024 19:38	WG2261956
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 19:38	WG2261956
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 19:38	WG2261956
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 19:38	WG2261956
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 19:38	WG2261956
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 19:38	WG2261956
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/06/2024 19:38	WG2261956
Naphthalene	U		0.00100	0.00500	1	04/06/2024 19:38	WG2261956
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2024 19:38	WG2261956
Styrene	U		0.000118	0.00100	1	04/06/2024 19:38	WG2261956
tert-Butyl alcohol	U		0.00406	0.00500	1	04/06/2024 19:38	WG2261956
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 19:38	WG2261956
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 19:38	WG2261956
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 19:38	WG2261956
Toluene	U		0.000278	0.00100	1	04/06/2024 19:38	WG2261956
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 19:38	WG2261956
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 19:38	WG2261956
Trichloroethene	U	J4	0.000190	0.00100	1	04/06/2024 19:38	WG2261956
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2024 19:38	WG2261956
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2024 19:38	WG2261956
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 19:38	WG2261956
o-Xylene	U		0.000174	0.00100	1	04/06/2024 19:38	WG2261956
m&p-Xylene	U		0.000430	0.00200	1	04/06/2024 19:38	WG2261956
Xylenes, Total	U		0.000174	0.00300	1	04/06/2024 19:38	WG2261956
(S) Toluene-d8	*114*			*80.0-120*		*04/06/2024 19:38*	WG2261956
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*04/06/2024 19:38*	WG2261956
(S) 1,2-Dichloroethane-d4	*86.6*			*70.0-130*		*04/06/2024 19:38*	WG2261956

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0252	J	0.0247	0.100	1	04/10/2024 01:07	WG2262630
(S) o-Terphenyl	*64.2*			*52.0-156*		*04/10/2024 01:07*	WG2262630

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	ND		10.0	1	04/05/2024 19:03	WG2260738

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1.07		0.379	1.00	1	04/07/2024 04:11	WG2261796
Fluoride	0.0683	B J	0.0640	0.150	1	04/07/2024 04:11	WG2261796
Sulfate	0.614	J	0.594	5.00	1	04/07/2024 04:11	WG2261796

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	U		0.000180	0.00200	1	04/07/2024 20:23	WG2260971
Arsenic,Dissolved	U		0.000180	0.00200	1	04/10/2024 01:29	WG2261157
Barium	0.00123	J	0.000381	0.00200	1	04/07/2024 20:23	WG2260971
Barium,Dissolved	0.000495	J	0.000381	0.00200	1	04/10/2024 01:29	WG2261157
Calcium	0.129	J	0.0936	1.00	1	04/07/2024 20:23	WG2260971
Chromium	U		0.00124	0.00200	1	04/07/2024 20:23	WG2260971
Chromium,Dissolved	U		0.00124	0.00200	1	04/10/2024 01:29	WG2261157
Iron	U		0.0281	0.100	1	04/07/2024 20:23	WG2260971
Iron,Dissolved	U		0.0281	0.100	1	04/10/2024 01:29	WG2261157
Lead	U		0.000849	0.00200	1	04/07/2024 20:23	WG2260971
Lead,Dissolved	U		0.000849	0.00200	1	04/10/2024 01:29	WG2261157
Manganese	U		0.000704	0.00500	1	04/07/2024 20:23	WG2260971
Manganese,Dissolved	U		0.000704	0.00500	1	04/10/2024 01:29	WG2261157
Potassium	0.117	J	0.108	2.00	1	04/07/2024 20:23	WG2260971
Selenium	U		0.000300	0.00200	1	04/07/2024 20:23	WG2260971
Selenium,Dissolved	U		0.000300	0.00200	1	04/10/2024 01:29	WG2261157
Sodium	1.29	J	0.376	2.00	1	04/08/2024 17:27	WG2260971

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/08/2024 16:04	WG2262608
(S) a,a,a-Trifluorotoluene(FID)	*91.4*			*78.0-120*		*04/08/2024 16:04*	WG2262608

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 17:58	WG2261956
Benzene	U		0.0000941	0.00100	1	04/06/2024 17:58	WG2261956
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 17:58	WG2261956
Bromoform	U		0.000129	0.00100	1	04/06/2024 17:58	WG2261956
Bromomethane	U		0.000605	0.00500	1	04/06/2024 17:58	WG2261956
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 17:58	WG2261956
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2024 17:58	WG2261956
Carbon disulfide	U		0.0000962	0.00100	1	04/06/2024 17:58	WG2261956
Carbon tetrachloride	0.000345	J	0.000128	0.00100	1	04/06/2024 17:58	WG2261956
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 17:58	WG2261956
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 17:58	WG2261956
Chloroethane	U		0.000192	0.00500	1	04/06/2024 17:58	WG2261956
Chloroform	0.000332	J	0.000111	0.00500	1	04/06/2024 17:58	WG2261956
Chloromethane	U		0.000960	0.00250	1	04/06/2024 17:58	WG2261956

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 17:58	WG2261956
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 17:58	WG2261956
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 17:58	WG2261956
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 17:58	WG2261956
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 17:58	WG2261956
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 17:58	WG2261956
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 17:58	WG2261956
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 17:58	WG2261956
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 17:58	WG2261956
Ethylbenzene	U		0.000137	0.00100	1	04/06/2024 17:58	WG2261956
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2024 17:58	WG2261956
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 17:58	WG2261956
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 17:58	WG2261956
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 17:58	WG2261956
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 17:58	WG2261956
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 17:58	WG2261956
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/06/2024 17:58	WG2261956
Naphthalene	U		0.00100	0.00500	1	04/06/2024 17:58	WG2261956
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2024 17:58	WG2261956
Styrene	U		0.000118	0.00100	1	04/06/2024 17:58	WG2261956
tert-Butyl alcohol	U		0.00406	0.00500	1	04/06/2024 17:58	WG2261956
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 17:58	WG2261956
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 17:58	WG2261956
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 17:58	WG2261956
Toluene	U		0.000278	0.00100	1	04/06/2024 17:58	WG2261956
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 17:58	WG2261956
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 17:58	WG2261956
Trichloroethene	U	J4	0.000190	0.00100	1	04/06/2024 17:58	WG2261956
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2024 17:58	WG2261956
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2024 17:58	WG2261956
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 17:58	WG2261956
o-Xylene	0.000202	J	0.000174	0.00100	1	04/06/2024 17:58	WG2261956
m&p-Xylene	U		0.000430	0.00200	1	04/06/2024 17:58	WG2261956
Xylenes, Total	0.000202	J	0.000174	0.00300	1	04/06/2024 17:58	WG2261956
(S) Toluene-d8	*110*			*80.0-120*		*04/06/2024 17:58*	WG2261956
(S) 4-Bromofluorobenzene	*100*			*77.0-126*		*04/06/2024 17:58*	WG2261956
(S) 1,2-Dichloroethane-d4	*90.4*			*70.0-130*		*04/06/2024 17:58*	WG2261956

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	04/10/2024 01:27	WG2262630
(S) o-Terphenyl	*65.8*			*52.0-156*		*04/10/2024 01:27*	WG2262630

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Gravimetric Analysis by Method 2540 C-2011

L1721276-03,04

Method Blank (MB)

(MB) R4054659-1 04/03/24 22:18

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		10.0	10.0

L1720696-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1720696-07 04/03/24 22:18 • (DUP) R4054659-3 04/03/24 22:18

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	479	492	1	2.68		10

L1721255-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1721255-02 04/03/24 22:18 • (DUP) R4054659-4 04/03/24 22:18

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	79.0	83.0	1	4.94		10

Laboratory Control Sample (LCS)

(LCS) R4054659-2 04/03/24 22:18

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8450	96.0	85.0-115	

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Method Blank (MB)

(MB) R4054655-1 04/04/24 12:31

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		10.0	10.0

L1721255-16 Original Sample (OS) • Duplicate (DUP)

(OS) L1721255-16 04/04/24 12:31 • (DUP) R4054655-3 04/04/24 12:31

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	452	462	1	2.19		10

L1721255-17 Original Sample (OS) • Duplicate (DUP)

(OS) L1721255-17 04/04/24 12:31 • (DUP) R4054655-4 04/04/24 12:31

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	249	253	1	1.59		10

Laboratory Control Sample (LCS)

(LCS) R4054655-2 04/04/24 12:31

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8580	97.5	85.0-115	

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Method Blank (MB)

(MB) R4055639-1 04/05/24 19:03

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		10.0	10.0

L1722287-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1722287-01 04/05/24 19:03 • (DUP) R4055639-3 04/05/24 19:03

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	2190	2410	1	9.36		10

L1722287-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1722287-02 04/05/24 19:03 • (DUP) R4055639-4 04/05/24 19:03

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	2210	2340	1	5.71		10

Laboratory Control Sample (LCS)

(LCS) R4055639-2 04/05/24 19:03

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8770	99.7	85.0-115	

Method Blank (MB)

(MB) R4055200-1 04/08/24 16:58

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Cyanide	U		0.00180	0.00500

L1721009-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1721009-01 04/08/24 17:10 • (DUP) R4055200-3 04/08/24 17:11

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	U	U	1	0.000		20

L1721313-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1721313-04 04/08/24 17:37 • (DUP) R4055200-6 04/08/24 17:39

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	0.0163	0.0192	1	16.3		20

Laboratory Control Sample (LCS)

(LCS) R4055200-2 04/08/24 17:00

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Cyanide	0.100	0.0959	95.9	87.1-120	

L1721009-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1721009-01 04/08/24 17:10 • (MS) R4055200-4 04/08/24 17:16 • (MSD) R4055200-5 04/08/24 17:17

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cyanide	0.100	U	0.0709	0.0565	70.9	56.5	1	90.0-110	J6	J3 J6	22.6	20

Sample Narrative:

MS: spike failed due to sample matrix

MSD: spike failed due to sample matrix

L1721313-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1721313-04 04/08/24 17:37 • (MS) R4055200-7 04/08/24 17:40 • (MSD) R4055200-8 04/08/24 17:42

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cyanide	0.100	0.0163	0.0884	0.0825	72.1	66.2	1	90.0-110	J6	J6	6.90	20

Sample Narrative:

MS: spike failed due to sample matrix

Method Blank (MB)

(MB) R4053589-1 04/02/24 19:05

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.379	1.00
Fluoride	U		0.0640	0.150
Nitrate	U		0.0480	0.100
Nitrite	U		0.0420	0.100
Sulfate	U		0.594	5.00

L1721168-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1721168-01 04/02/24 20:58 • (DUP) R4053589-3 04/02/24 21:13

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Fluoride	2.18	2.24	1	2.74		15
Nitrate	U	U	1	0.000		15
Nitrite	U	U	1	0.000		15
Sulfate	38.2	38.1	1	0.255		15

Sample Narrative:

OS: NO3- BDL at 10x due to matrix/high Cl-

L1721255-22 Original Sample (OS) • Duplicate (DUP)

(OS) L1721255-22 04/03/24 03:08 • (DUP) R4053589-6 04/03/24 03:23

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	2.90	2.92	1	0.671		15
Fluoride		U	1	0.000		15
Nitrate	0.0953	0.0775	1	20.6	J P1	15
Nitrite		U	1	200	P1	15
Sulfate		1.16	1	9.33	J	15

Laboratory Control Sample (LCS)

(LCS) R4053589-2 04/02/24 19:20

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	39.7	99.4	80.0-120	
Fluoride	8.00	8.18	102	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R4053589-2 04/02/24 19:20

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate	8.00	7.76	97.0	80.0-120	
Nitrite	8.00	7.87	98.4	80.0-120	
Sulfate	40.0	40.1	100	80.0-120	

L1721168-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1721168-01 04/02/24 20:58 • (MS) R4053589-4 04/02/24 21:28 • (MSD) R4053589-5 04/02/24 21:43

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	40.0	475	416	414	0.000	0.000	1	80.0-120	E V	E V	0.480	15
Fluoride	8.00	2.18	9.54	9.63	92.0	93.1	1	80.0-120			0.935	15
Nitrate	8.00	U	9.09	9.21	114	115	1	80.0-120			1.33	15
Nitrite	8.00	U	9.95	10.0	124	125	1	80.0-120	J5	J5	0.785	15
Sulfate	40.0	38.2	68.3	68.4	75.3	75.5	1	80.0-120	J6	J6	0.120	15

Sample Narrative:

OS: NO3- BDL at 10x due to matrix/high Cl-

MS: Cl/NO2/SO4 spike failed due to sample matrix

MSD: Cl/NO2/SO4 spike failed due to sample matrix

L1721255-22 Original Sample (OS) • Matrix Spike (MS)

(OS) L1721255-22 04/03/24 03:08 • (MS) R4053589-7 04/03/24 03:38

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	2.90	40.9	95.0	1	80.0-120	
Fluoride	8.00		8.06	101	1	80.0-120	
Nitrate	8.00	0.0953	8.36	103	1	80.0-120	
Nitrite	8.00		8.05	100	1	80.0-120	
Sulfate	40.0		41.0	99.7	1	80.0-120	

Method Blank (MB)

(MB) R4057277-1 04/05/24 13:26

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.379	1.00
Fluoride	U		0.0640	0.150
Sulfate	U		0.594	5.00

L1720584-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1720584-02 04/05/24 13:56 • (DUP) R4057277-3 04/05/24 14:11

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	51.0	51.0	1	0.0212		15
Fluoride	0.361	0.282	1	24.5	P1	15
Sulfate	163	163	1	0.412		15

L1722065-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1722065-04 04/05/24 17:39 • (DUP) R4057277-6 04/05/24 17:54

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	40.5	40.7	1	0.420		15
Fluoride	0.0899	0.0725	1	21.4	J P1	15
Sulfate	34.1	34.1	1	0.104		15

Laboratory Control Sample (LCS)

(LCS) R4057277-2 04/05/24 13:41

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	39.7	99.2	80.0-120	
Fluoride	8.00	7.79	97.3	80.0-120	
Sulfate	40.0	40.7	102	80.0-120	

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L1720584-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1720584-02 04/05/24 13:56 • (MS) R4057277-4 04/05/24 14:25 • (MSD) R4057277-5 04/05/24 14:40

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	40.0	51.0	80.8	80.8	74.5	74.5	1	80.0-120	J6	J6	0.00483	15
Fluoride	8.00	0.361	8.10	8.30	96.8	99.2	1	80.0-120			2.41	15
Sulfate	40.0	163	175	174	28.1	26.5	1	80.0-120	V	V	0.365	15

Sample Narrative:

MS: Cl/Br/SO4 spike failed due to sample matrix

MSD: Cl/Br/SO4 spike failed due to sample matrix

L1722065-04 Original Sample (OS) • Matrix Spike (MS)

(OS) L1722065-04 04/05/24 17:39 • (MS) R4057277-7 04/05/24 18:09

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	40.5	72.9	81.0	1	80.0-120	
Fluoride	8.00	0.0899	7.91	97.7	1	80.0-120	
Sulfate	40.0	34.1	69.1	87.5	1	80.0-120	

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Method Blank (MB)

(MB) R4057731-1 04/07/24 02:36

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.379	1.00
Fluoride	0.0856	J	0.0640	0.150
Sulfate	U		0.594	5.00

L1721751-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1721751-09 04/07/24 09:36 • (DUP) R4057731-6 04/07/24 09:50

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	U	U	1	0.000		15
Fluoride	0.0797	U	1	200	P1	15
Sulfate	U	U	1	0.000		15

L1721276-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1721276-08 04/07/24 04:11 • (DUP) R4057731-3 04/07/24 04:25

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	1.07	1.22	1	13.3		15
Fluoride	0.0683	0.0714	1	4.44	J	15
Sulfate	0.614	0.616	1	0.293	J	15

Laboratory Control Sample (LCS)

(LCS) R4057731-2 04/07/24 02:50

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	39.2	98.1	80.0-120	
Fluoride	8.00	9.12	114	80.0-120	
Sulfate	40.0	40.5	101	80.0-120	

L1721751-09 Original Sample (OS) • Matrix Spike (MS)

(OS) L1721751-09 04/07/24 09:36 • (MS) R4057731-7 04/07/24 10:30

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	U	40.3	101	1	80.0-120	
Fluoride	8.00	0.0797	8.85	110	1	80.0-120	
Sulfate	40.0	U	41.1	103	1	80.0-120	

L1721276-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1721276-08 04/07/24 04:11 • (MS) R4057731-4 04/07/24 04:38 • (MSD) R4057731-5 04/07/24 05:18

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	40.0	1.07	41.5	42.2	101	103	1	80.0-120			1.89	15
Fluoride	8.00	0.0683	8.80	8.79	109	109	1	80.0-120			0.199	15
Sulfate	40.0	0.614	41.1	41.4	101	102	1	80.0-120			0.819	15

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Method Blank (MB)

(MB) R4058419-3 04/16/24 04:19

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Fluoride	0.0758	J	0.0640	0.150

Laboratory Control Sample (LCS)

(LCS) R4058419-4 04/16/24 04:32

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Fluoride	8.00	7.90	98.7	80.0-120	

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Method Blank (MB)

(MB) R4053511-1 04/03/24 20:29

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury	U		0.000100	0.000200

Laboratory Control Sample (LCS)

(LCS) R4053511-6 04/03/24 20:49

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.00300	0.00256	85.3	80.0-120	

L1721255-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1721255-06 04/03/24 20:33 • (MS) R4053511-4 04/03/24 20:38 • (MSD) R4053511-5 04/03/24 20:41

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.00300	U	0.00247	0.00230	82.5	76.8	1	75.0-125			7.21	20

Received by OCD: 6/12/2025 1:19:15 PM

Method Blank (MB)

(MB) R4053498-1 04/03/24 18:31

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury,Dissolved	U		0.000100	0.000200

Laboratory Control Sample (LCS)

(LCS) R4053498-2 04/03/24 18:34

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury,Dissolved	0.00300	0.00275	91.6	80.0-120	

L1721009-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1721009-01 04/03/24 18:36 • (MS) R4053498-4 04/03/24 18:41 • (MSD) R4053498-5 04/03/24 18:44

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury,Dissolved	0.00300	U	0.00217	0.00271	72.2	90.3	1	75.0-125	J6	J3	22.3	20

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Received by OCD: 6/12/2025 1:19:15 PM

Method Blank (MB)

(MB) R4053514-1 04/03/24 19:40

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury	U		0.000100	0.000200

Laboratory Control Sample (LCS)

(LCS) R4053514-2 04/03/24 19:42

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.00300	0.00272	90.7	80.0-120	

L1721285-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1721285-01 04/03/24 19:45 • (MS) R4053514-4 04/03/24 19:54 • (MSD) R4053514-5 04/03/24 19:57

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.00300	U	0.00144	0.00274	48.0	91.4	1	75.0-125	J6	J3	62.3	20

Released to Imaging: 6/17/2025 4:41:11 PM

Method Blank (MB)

(MB) R4054989-1 04/07/24 18:39

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Boron,Dissolved	U		0.0200	0.200

Laboratory Control Sample (LCS)

(LCS) R4054989-2 04/07/24 18:40

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Boron,Dissolved	1.00	0.974	97.4	80.0-120	

L1721276-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1721276-01 04/07/24 18:42 • (MS) R4054989-4 04/07/24 18:45 • (MSD) R4054989-5 04/07/24 18:47

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Boron,Dissolved	1.00	0.162	1.13	1.15	96.9	99.1	1	75.0-125			1.95	20

Received by OCD: 6/12/2025 1:19:15 PM

Method Blank (MB)

(MB) R4054006-1 04/04/24 17:47

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Boron	U		0.0200	0.200

Laboratory Control Sample (LCS)

(LCS) R4054006-2 04/04/24 17:49

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Boron	1.00	0.931	93.1	80.0-120	

L1721276-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1721276-04 04/04/24 17:50 • (MS) R4054006-4 04/04/24 17:54 • (MSD) R4054006-5 04/04/24 17:55

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Boron	1.00	0.247	1.20	1.20	95.6	95.5	1	75.0-125			0.105	20

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Method Blank (MB)

(MB) R4055305-1 04/09/24 00:24

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.000180	0.00200
Barium	U		0.000381	0.00200
Cadmium	U		0.000150	0.00100
Calcium	U		0.0936	1.00
Chromium	U		0.00124	0.00200
Cobalt	U		0.0000596	0.00200
Iron	U		0.0281	0.100
Lead	U		0.000849	0.00200
Manganese	U		0.000704	0.00500
Nickel	U		0.000816	0.00200
Potassium	U		0.108	2.00
Selenium	U		0.000300	0.00200
Uranium	U		0.0000789	0.00100
Vanadium	U		0.000664	0.00500

Method Blank (MB)

(MB) R4055403-1 04/09/24 10:45

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Sodium	U		0.376	2.00

Laboratory Control Sample (LCS)

(LCS) R4055305-2 04/09/24 00:27

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	0.0500	0.0500	100	80.0-120	
Barium	0.0500	0.0523	105	80.0-120	
Cadmium	0.0500	0.0514	103	80.0-120	
Calcium	5.00	5.17	103	80.0-120	
Chromium	0.0500	0.0505	101	80.0-120	
Cobalt	0.0500	0.0508	102	80.0-120	
Iron	1.00	1.00	100	80.0-120	
Lead	0.0500	0.0517	103	80.0-120	
Manganese	0.0500	0.0509	102	80.0-120	
Nickel	0.0500	0.0506	101	80.0-120	
Potassium	5.00	4.94	98.8	80.0-120	
Selenium	0.0500	0.0497	99.4	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R4055305-2 04/09/24 00:27

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Uranium	0.0500	0.0493	98.5	80.0-120	
Vanadium	0.0500	0.0500	99.9	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R4055403-2 04/09/24 10:49

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Sodium	5.00	5.66	113	80.0-120	

L1721255-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1721255-15 04/09/24 00:31 • (MS) R4055305-4 04/09/24 00:37 • (MSD) R4055305-5 04/09/24 00:41

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	0.0146	0.0684	0.0720	108	115	1	75.0-125			5.07	20
Barium	0.0500		0.107	0.114	105	121	1	75.0-125			6.95	20
Cadmium	0.0500		0.0552	0.0579	110	115	1	75.0-125			4.85	20
Calcium	5.00		20.1	21.0	100	118	1	75.0-125			4.35	20
Chromium	0.0500		0.0565	0.0584	109	112	1	75.0-125			3.26	20
Cobalt	0.0500		0.0562	0.0582	110	114	1	75.0-125			3.42	20
Iron	1.00		3.98	3.98	114	114	1	75.0-125			0.0178	20
Lead	0.0500		0.0534	0.0560	107	112	1	75.0-125			4.73	20
Manganese	0.0500		0.0626	0.0652	107	112	1	75.0-125			4.15	20
Nickel	0.0500		0.0568	0.0587	110	114	1	75.0-125			3.28	20
Potassium	5.00		14.9	15.3	99.8	108	1	75.0-125			2.83	20
Selenium	0.0500		0.0584	0.0605	112	116	1	75.0-125			3.64	20
Uranium	0.0500		0.0515	0.0558	102	110	1	75.0-125			8.00	20
Vanadium	0.0500		0.0601	0.0629	109	114	1	75.0-125			4.51	20

L1721255-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1721255-15 04/09/24 10:52 • (MS) R4055403-4 04/09/24 10:59 • (MSD) R4055403-5 04/09/24 11:02

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Sodium	5.00	28.7	34.8	35.2	122	130	1	75.0-125		V	1.13	20

Method Blank (MB)

(MB) R4055725-1 04/09/24 18:43

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.000180	0.00200
Barium	U		0.000381	0.00200
Cadmium	U		0.000150	0.00100
Calcium	U		0.0936	1.00
Chromium	U		0.00124	0.00200
Cobalt	U		0.0000596	0.00200
Iron	U		0.0281	0.100
Lead	U		0.000849	0.00200
Manganese	U		0.000704	0.00500
Nickel	U		0.000816	0.00200
Potassium	U		0.108	2.00
Selenium	U		0.000300	0.00200
Sodium	U		0.376	2.00
Uranium	U		0.0000789	0.00100
Vanadium	U		0.000664	0.00500

Laboratory Control Sample (LCS)

(LCS) R4055725-2 04/09/24 18:46

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	0.0500	0.0515	103	80.0-120	
Barium	0.0500	0.0499	99.8	80.0-120	
Cadmium	0.0500	0.0519	104	80.0-120	
Calcium	5.00	5.13	103	80.0-120	
Chromium	0.0500	0.0523	105	80.0-120	
Cobalt	0.0500	0.0524	105	80.0-120	
Iron	1.00	1.02	102	80.0-120	
Lead	0.0500	0.0494	98.9	80.0-120	
Manganese	0.0500	0.0534	107	80.0-120	
Nickel	0.0500	0.0524	105	80.0-120	
Potassium	5.00	4.99	99.7	80.0-120	
Selenium	0.0500	0.0507	101	80.0-120	
Sodium	5.00	5.25	105	80.0-120	
Uranium	0.0500	0.0480	96.1	80.0-120	
Vanadium	0.0500	0.0515	103	80.0-120	

L1721285-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1721285-09 04/09/24 18:49 • (MS) R4055725-4 04/09/24 18:56 • (MSD) R4055725-5 04/09/24 19:00

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	U	0.0498	0.0508	99.7	102	1	75.0-125			1.96	20
Barium	0.0500	U	0.0492	0.0506	98.5	101	1	75.0-125			2.64	20
Cadmium	0.0500	U	0.0523	0.0534	105	107	1	75.0-125			2.00	20
Calcium	5.00	U	5.27	5.17	105	103	1	75.0-125			1.93	20
Chromium	0.0500	U	0.0517	0.0537	103	107	1	75.0-125			3.80	20
Cobalt	0.0500	U	0.0525	0.0537	105	107	1	75.0-125			2.23	20
Iron	1.00	U	1.02	1.03	102	103	1	75.0-125			1.50	20
Lead	0.0500	U	0.0510	0.0513	102	103	1	75.0-125			0.661	20
Manganese	0.0500	U	0.0527	0.0528	105	106	1	75.0-125			0.135	20
Nickel	0.0500	U	0.0523	0.0535	105	107	1	75.0-125			2.30	20
Potassium	5.00	U	4.95	5.02	98.9	100	1	75.0-125			1.43	20
Selenium	0.0500	U	0.0517	0.0533	103	107	1	75.0-125			2.98	20
Sodium	5.00	U	5.26	5.35	105	107	1	75.0-125			1.62	20
Uranium	0.0500	U	0.0499	0.0491	99.9	98.3	1	75.0-125			1.61	20
Vanadium	0.0500	U	0.0502	0.0516	100	103	1	75.0-125			2.77	20

Method Blank (MB)

(MB) R4055754-1 04/09/24 21:05

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic,Dissolved	U		0.000180	0.00200
Barium,Dissolved	U		0.000381	0.00200
Cadmium,Dissolved	U		0.000150	0.00100
Chromium,Dissolved	U		0.00124	0.00200
Cobalt,Dissolved	U		0.0000596	0.00200
Iron,Dissolved	U		0.0281	0.100
Lead,Dissolved	U		0.000849	0.00200
Manganese,Dissolved	U		0.000704	0.00500
Nickel,Dissolved	U		0.000816	0.00200
Selenium,Dissolved	U		0.000300	0.00200
Uranium,Dissolved	U		0.0000789	0.00100
Vanadium,Dissolved	U		0.000664	0.00500

Laboratory Control Sample (LCS)

(LCS) R4055754-2 04/09/24 21:08

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic,Dissolved	0.0500	0.0507	101	80.0-120	
Barium,Dissolved	0.0500	0.0503	101	80.0-120	
Cadmium,Dissolved	0.0500	0.0529	106	80.0-120	
Chromium,Dissolved	0.0500	0.0538	108	80.0-120	
Cobalt,Dissolved	0.0500	0.0528	106	80.0-120	
Iron,Dissolved	1.00	1.02	102	80.0-120	
Lead,Dissolved	0.0500	0.0513	103	80.0-120	
Manganese,Dissolved	0.0500	0.0533	107	80.0-120	
Nickel,Dissolved	0.0500	0.0532	106	80.0-120	
Selenium,Dissolved	0.0500	0.0512	102	80.0-120	
Uranium,Dissolved	0.0500	0.0496	99.1	80.0-120	
Vanadium,Dissolved	0.0500	0.0511	102	80.0-120	

L1721676-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1721676-02 04/09/24 21:12 • (MS) R4055754-4 04/09/24 21:18 • (MSD) R4055754-5 04/09/24 21:22

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic,Dissolved	0.0500	0.00106	0.0544	0.0536	107	105	1	75.0-125			1.42	20
Barium,Dissolved	0.0500	0.0838	0.137	0.138	107	108	1	75.0-125			0.172	20
Cadmium,Dissolved	0.0500	U	0.0519	0.0534	104	107	1	75.0-125			2.84	20

L1721676-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1721676-02 04/09/24 21:12 • (MS) R4055754-4 04/09/24 21:18 • (MSD) R4055754-5 04/09/24 21:22

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chromium,Dissolved	0.0500	U	0.0539	0.0535	108	107	1	75.0-125			0.716	20
Cobalt,Dissolved	0.0500	0.000171	0.0533	0.0518	106	103	1	75.0-125			2.73	20
Iron,Dissolved	1.00	U	1.02	1.02	102	102	1	75.0-125			0.356	20
Lead,Dissolved	0.0500	U	0.0512	0.0508	102	102	1	75.0-125			0.653	20
Manganese,Dissolved	0.0500	0.00141	0.0536	0.0528	104	103	1	75.0-125			1.54	20
Nickel,Dissolved	0.0500	0.00101	0.0528	0.0521	104	102	1	75.0-125			1.19	20
Selenium,Dissolved	0.0500	0.00189	0.0560	0.0550	108	106	1	75.0-125			1.79	20
Uranium,Dissolved	0.0500	0.00783	0.0594	0.0600	103	104	1	75.0-125			0.949	20
Vanadium,Dissolved	0.0500	0.00356	0.0560	0.0556	105	104	1	75.0-125			0.627	20

Method Blank (MB)

(MB) R4054785-1 04/07/24 19:42

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.000180	0.00200
Barium	U		0.000381	0.00200
Calcium	U		0.0936	1.00
Chromium	U		0.00124	0.00200
Iron	U		0.0281	0.100
Lead	U		0.000849	0.00200
Manganese	U		0.000704	0.00500
Potassium	U		0.108	2.00
Selenium	U		0.000300	0.00200
Sodium	U		0.376	2.00

Laboratory Control Sample (LCS)

(LCS) R4054785-2 04/07/24 19:45

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	0.0500	0.0565	113	80.0-120	
Barium	0.0500	0.0547	109	80.0-120	
Calcium	5.00	5.61	112	80.0-120	
Chromium	0.0500	0.0580	116	80.0-120	
Iron	1.00	1.12	112	80.0-120	
Lead	0.0500	0.0546	109	80.0-120	
Manganese	0.0500	0.0576	115	80.0-120	
Potassium	5.00	5.64	113	80.0-120	
Selenium	0.0500	0.0569	114	80.0-120	
Sodium	5.00	5.86	117	80.0-120	

L1721276-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1721276-05 04/07/24 19:49 • (MS) R4054785-4 04/07/24 19:55 • (MSD) R4054785-5 04/07/24 19:59

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	0.00368	0.0577	0.0587	108	110	1	75.0-125			1.75	20
Barium	0.0500	0.00894	0.0625	0.0638	107	110	1	75.0-125			2.09	20
Calcium	5.00	556	558	564	47.2	169	1	75.0-125	V	V	1.09	20
Chromium	0.0500	U	0.0552	0.0557	110	111	1	75.0-125			0.922	20
Iron	1.00	U	1.05	1.07	105	107	1	75.0-125			1.44	20
Lead	0.0500	U	0.0496	0.0510	99.1	102	1	75.0-125			2.89	20
Manganese	0.0500	0.0283	0.0785	0.0815	100	106	1	75.0-125			3.69	20

Received by OCD: 6/12/2025 1:19:15 PM

L1721276-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1721276-05 04/07/24 19:49 • (MS) R4054785-4 04/07/24 19:55 • (MSD) R4054785-5 04/07/24 19:59

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Potassium	5.00	1.27	6.42	6.44	103	103	1	75.0-125			0.311	20
Selenium	0.0500	0.00231	0.0580	0.0582	111	112	1	75.0-125			0.237	20
Sodium	5.00	248	248	249	0.000	16.9	1	75.0-125	V	V	0.465	20

Released to Imaging: 6/17/2025 4:41:11 PM

Method Blank (MB)

(MB) R4055842-1 04/10/24 01:02

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic,Dissolved	U		0.000180	0.00200
Barium,Dissolved	U		0.000381	0.00200
Chromium,Dissolved	U		0.00124	0.00200
Iron,Dissolved	U		0.0281	0.100
Lead,Dissolved	U		0.000849	0.00200
Manganese,Dissolved	U		0.000704	0.00500
Selenium,Dissolved	U		0.000300	0.00200

Laboratory Control Sample (LCS)

(LCS) R4055842-2 04/10/24 01:05

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic,Dissolved	0.0500	0.0533	107	80.0-120	
Barium,Dissolved	0.0500	0.0529	106	80.0-120	
Chromium,Dissolved	0.0500	0.0549	110	80.0-120	
Iron,Dissolved	1.00	1.07	107	80.0-120	
Lead,Dissolved	0.0500	0.0529	106	80.0-120	
Manganese,Dissolved	0.0500	0.0557	111	80.0-120	
Selenium,Dissolved	0.0500	0.0537	107	80.0-120	

L1721276-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1721276-07 04/10/24 01:09 • (MS) R4055842-4 04/10/24 01:15 • (MSD) R4055842-5 04/10/24 01:19

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic,Dissolved	0.0500	0.00449	0.0571	0.0567	105	104	1	75.0-125			0.834	20
Barium,Dissolved	0.0500	0.00839	0.0590	0.0581	101	99.4	1	75.0-125			1.52	20
Chromium,Dissolved	0.0500	U	0.0532	0.0530	106	106	1	75.0-125			0.225	20
Iron,Dissolved	1.00	U	1.04	1.04	104	104	1	75.0-125			0.293	20
Lead,Dissolved	0.0500	U	0.0526	0.0513	105	103	1	75.0-125			2.67	20
Manganese,Dissolved	0.0500	0.000737	0.0532	0.0517	105	102	1	75.0-125			2.79	20
Selenium,Dissolved	0.0500	0.00513	0.0581	0.0575	106	105	1	75.0-125			1.04	20

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Method Blank (MB)

(MB) R4055365-3 04/05/24 02:36

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*101*			*78.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4055365-1 04/05/24 01:13 • (LCSD) R4055365-2 04/05/24 01:35

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.00	4.86	4.92	97.2	98.4	72.0-127			1.23	20
(S) a,a,a-Trifluorotoluene(FID)				*100*	*100*	*78.0-120*				

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Method Blank (MB)

(MB) R4055326-3 04/04/24 12:56

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*102*			*78.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4055326-1 04/04/24 11:42 • (LCSD) R4055326-2 04/04/24 12:04

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.00	5.43	5.43	109	109	72.0-127			0.000	20
(S) a,a,a-Trifluorotoluene(FID)				*99.4*	*99.3*	*78.0-120*				

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Method Blank (MB)

(MB) R4055045-1 04/07/24 23:01

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	0.0390	J	0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*93.3*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R4055045-2 04/08/24 00:01

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.00	4.80	96.0	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*103*	*78.0-120*	

L1721276-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1721276-05 04/08/24 04:30 • (MS) R4055045-3 04/08/24 10:35 • (MSD) R4055045-4 04/08/24 10:58

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.00	0.0365	4.30	4.79	85.3	95.1	1	10.0-160			10.8	22
(S) a,a,a-Trifluorotoluene(FID)					*94.0*	*92.8*		*78.0-120*				

Method Blank (MB)

(MB) R4055578-3 04/08/24 13:05

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*92.3*			*78.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4055578-1 04/08/24 09:56 • (LCSD) R4055578-2 04/08/24 12:19

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.00	5.23	5.23	105	105	72.0-127			0.000	20
(S) a,a,a-Trifluorotoluene(FID)				*92.6*	*92.6*	*78.0-120*				

Method Blank (MB)

(MB) R4055014-2 04/05/24 07:26

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
2-Hexanone	U		0.000787	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
tert-Butyl alcohol	U		0.00406	0.00500
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100

Method Blank (MB)

(MB) R4055014-2 04/05/24 07:26

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
o-Xylene	U		0.000174	0.00100
m&p-Xylene	U		0.000430	0.00200
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*105*			*80.0-120*
(S) 4-Bromofluorobenzene	*92.2*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*99.6*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4055014-1 04/05/24 06:44

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.0250	0.0279	112	19.0-160	
Bromodichloromethane	0.00500	0.00550	110	75.0-120	
Bromoform	0.00500	0.00460	92.0	68.0-132	
Bromomethane	0.00500	0.00138	27.6	10.0-160	
n-Butylbenzene	0.00500	0.00405	81.0	73.0-125	
sec-Butylbenzene	0.00500	0.00495	99.0	75.0-125	
Carbon disulfide	0.00500	0.00440	88.0	61.0-128	
Carbon tetrachloride	0.00500	0.00510	102	68.0-126	
Chlorobenzene	0.00500	0.00544	109	80.0-121	
Chlorodibromomethane	0.00500	0.00549	110	77.0-125	
Chloroethane	0.00500	0.00627	125	47.0-150	
Chloroform	0.00500	0.00560	112	73.0-120	
Chloromethane	0.00500	0.00473	94.6	41.0-142	
1,2-Dibromoethane	0.00500	0.00520	104	80.0-122	
1,1-Dichloroethane	0.00500	0.00571	114	70.0-126	
1,2-Dichloroethane	0.00500	0.00600	120	70.0-128	
1,1-Dichloroethene	0.00500	0.00487	97.4	71.0-124	
cis-1,2-Dichloroethene	0.00500	0.00547	109	73.0-120	
trans-1,2-Dichloroethene	0.00500	0.00530	106	73.0-120	
1,2-Dichloropropane	0.00500	0.00556	111	77.0-125	
cis-1,3-Dichloropropene	0.00500	0.00489	97.8	80.0-123	
trans-1,3-Dichloropropene	0.00500	0.00468	93.6	78.0-124	
Ethylbenzene	0.00500	0.00535	107	79.0-123	

Laboratory Control Sample (LCS)

(LCS) R4055014-1 04/05/24 06:44

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Isopropylbenzene	0.00500	0.00515	103	76.0-127	
p-Isopropyltoluene	0.00500	0.00458	91.6	76.0-125	
2-Butanone (MEK)	0.0250	0.0269	108	44.0-160	
2-Hexanone	0.0250	0.0250	100	67.0-149	
Methylene Chloride	0.00500	0.00523	105	67.0-120	
4-Methyl-2-pentanone (MIBK)	0.0250	0.0312	125	68.0-142	
Methyl tert-butyl ether	0.00500	0.00556	111	68.0-125	
Naphthalene	0.00500	0.00367	73.4	54.0-135	
n-Propylbenzene	0.00500	0.00505	101	77.0-124	
Styrene	0.00500	0.00427	85.4	73.0-130	
tert-Butyl alcohol	0.0250	0.0250	100	27.0-160	
1,1,1,2-Tetrachloroethane	0.00500	0.00522	104	75.0-125	
1,1,2,2-Tetrachloroethane	0.00500	0.00486	97.2	65.0-130	
Tetrachloroethene	0.00500	0.00538	108	72.0-132	
Toluene	0.00500	0.00548	110	79.0-120	
1,1,1-Trichloroethane	0.00500	0.00528	106	73.0-124	
1,1,2-Trichloroethane	0.00500	0.00561	112	80.0-120	
Trichloroethene	0.00500	0.00573	115	78.0-124	
1,2,4-Trimethylbenzene	0.00500	0.00461	92.2	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00492	98.4	76.0-122	
Vinyl chloride	0.00500	0.00571	114	67.0-131	
o-Xylene	0.00500	0.00522	104	80.0-122	
m&p-Xylene	0.0100	0.0105	105	80.0-122	
Xylenes, Total	0.0150	0.0157	105	79.0-123	
(S) Toluene-d8			*102*	*80.0-120*	
(S) 4-Bromofluorobenzene			*91.4*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*99.6*	*70.0-130*	

Method Blank (MB)

(MB) R4055871-2 04/06/24 15:38

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
2-Hexanone	U		0.000787	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
tert-Butyl alcohol	U		0.00406	0.00500
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100

Method Blank (MB)

(MB) R4055871-2 04/06/24 15:38

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
o-Xylene	U		0.000174	0.00100
m&p-Xylene	U		0.000430	0.00200
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*111*			*80.0-120*
(S) 4-Bromofluorobenzene	*98.9*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*88.4*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4055871-1 04/06/24 14:38

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.0250	0.00498	19.9	19.0-160	
Benzene	0.00500	0.00529	106	70.0-123	
Bromodichloromethane	0.00500	0.00434	86.8	75.0-120	
Bromoform	0.00500	0.00498	99.6	68.0-132	
Bromomethane	0.00500	0.00623	125	10.0-160	
n-Butylbenzene	0.00500	0.00521	104	73.0-125	
sec-Butylbenzene	0.00500	0.00493	98.6	75.0-125	
Carbon disulfide	0.00500	0.00460	92.0	61.0-128	
Carbon tetrachloride	0.00500	0.00543	109	68.0-126	
Chlorobenzene	0.00500	0.00591	118	80.0-121	
Chlorodibromomethane	0.00500	0.00550	110	77.0-125	
Chloroethane	0.00500	0.00519	104	47.0-150	
Chloroform	0.00500	0.00487	97.4	73.0-120	
Chloromethane	0.00500	0.00470	94.0	41.0-142	
1,2-Dibromoethane	0.00500	0.00532	106	80.0-122	
1,1-Dichloroethane	0.00500	0.00462	92.4	70.0-126	
1,2-Dichloroethane	0.00500	0.00472	94.4	70.0-128	
1,1-Dichloroethene	0.00500	0.00499	99.8	71.0-124	
cis-1,2-Dichloroethene	0.00500	0.00505	101	73.0-120	
trans-1,2-Dichloroethene	0.00500	0.00513	103	73.0-120	
1,2-Dichloropropane	0.00500	0.00492	98.4	77.0-125	
cis-1,3-Dichloropropene	0.00500	0.00486	97.2	80.0-123	

Laboratory Control Sample (LCS)

(LCS) R4055871-1 04/06/24 14:38

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
trans-1,3-Dichloropropene	0.00500	0.00495	99.0	78.0-124	
Ethylbenzene	0.00500	0.00552	110	79.0-123	
Isopropylbenzene	0.00500	0.00579	116	76.0-127	
p-Isopropyltoluene	0.00500	0.00490	98.0	76.0-125	
2-Butanone (MEK)	0.0250	0.0165	66.0	44.0-160	
2-Hexanone	0.0250	0.0256	102	67.0-149	
Methylene Chloride	0.00500	0.00472	94.4	67.0-120	
4-Methyl-2-pentanone (MIBK)	0.0250	0.0230	92.0	68.0-142	
Methyl tert-butyl ether	0.00500	0.00460	92.0	68.0-125	
Naphthalene	0.00500	0.00530	106	54.0-135	
n-Propylbenzene	0.00500	0.00503	101	77.0-124	
Styrene	0.00500	0.00513	103	73.0-130	
tert-Butyl alcohol	0.0250	0.0177	70.8	27.0-160	
1,1,1,2-Tetrachloroethane	0.00500	0.00548	110	75.0-125	
1,1,2,2-Tetrachloroethane	0.00500	0.00463	92.6	65.0-130	
Tetrachloroethene	0.00500	0.00557	111	72.0-132	
Toluene	0.00500	0.00555	111	79.0-120	
1,1,1-Trichloroethane	0.00500	0.00491	98.2	73.0-124	
1,1,2-Trichloroethane	0.00500	0.00485	97.0	80.0-120	
Trichloroethene	0.00500	0.00627	125	78.0-124	J4
1,2,4-Trimethylbenzene	0.00500	0.00455	91.0	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00438	87.6	76.0-122	
Vinyl chloride	0.00500	0.00564	113	67.0-131	
o-Xylene	0.00500	0.00508	102	80.0-122	
m&p-Xylene	0.0100	0.0104	104	80.0-122	
Xylenes, Total	0.0150	0.0155	103	79.0-123	
(S) Toluene-d8			*109*	*80.0-120*	
(S) 4-Bromofluorobenzene			*101*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*90.0*	*70.0-130*	

Method Blank (MB)

(MB) R4055662-2 04/08/24 12:00

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
tert-Butyl alcohol	U		0.00406	0.00500
(S) Toluene-d8	*105*			*80.0-120*
(S) 4-Bromofluorobenzene	*94.8*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*96.4*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4055662-1 04/08/24 11:17

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.00500	0.00481	96.2	70.0-123	
tert-Butyl alcohol	0.0250	0.0250	100	27.0-160	
(S) Toluene-d8			*99.4*	*80.0-120*	
(S) 4-Bromofluorobenzene			*92.3*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*97.0*	*70.0-130*	

Method Blank (MB)

(MB) R4055316-1 04/08/24 13:24

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
(S) o-Terphenyl	*72.0*			*52.0-156*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4055316-2 04/08/24 13:44 • (LCSD) R4055316-3 04/08/24 14:04

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.43	1.44	95.3	96.0	50.0-150			0.697	20
(S) o-Terphenyl				*92.0*	*91.5*	*52.0-156*				

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Method Blank (MB)

(MB) R4055845-1 04/09/24 22:44

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
(S) o-Terphenyl	*65.0*			*52.0-156*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4055845-2 04/09/24 23:04 • (LCSD) R4055845-3 04/09/24 23:24

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.59	1.64	106	109	50.0-150			3.10	20
(S) o-Terphenyl				*90.0*	*85.0*	*52.0-156*				

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Received by OCD: 6/12/2025 1:19:15 PM

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

L1721276-01

Method Blank (MB)

(MB) R4056563-1 04/11/24 09:40

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	0.0326	J	0.0247	0.100
(S) o-Terphenyl	*84.5*			*52.0-156*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4056563-2 04/11/24 10:01 • (LCSD) R4056563-3 04/11/24 10:21

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.56	1.66	104	111	50.0-150			6.21	20
(S) o-Terphenyl				*85.0*	*86.5*	*52.0-156*				

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Released to Imaging: 6/17/2025 4:41:11 PM

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.
V	The sample concentration is too high to evaluate accurate spike recoveries.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

4/1/24 COC (Limited) p. 1/3

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: Julie Speer

Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2024

City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:

Client Project #

Lab Project # TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team

Site/Facility ID # (Navajo - Artesia)

P.O. #

Collected by (signature):

Immediately Packed on Ice N ____ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
MW-28	Grab	GW				14	X	X	X		X	X	X	X		X		
MW-59	Grab	GW				11	X	X	X	X	X	X						
MW-60	Grab	GW				17	X	X	X		X	X	X	X	X	X		
MW-107	Grab	GW				11	X	X	X	X	X	X						
MW-128	Grab	GW				13	X	X	X	X	X	X				X		
MW-116	Grab	GW				11	X	X	X		X	X	X					
MW-46R	Grab	GW				9	X	X		X	X	X						
RW-#18A	Grab	GW				7	X				X	X	X					
MW-144	Grab	GW				4			X SM		X	X	X				(GRO not requested)	
MW-145	Grab	GW		4/1/24	SM 04-04-24 CR 745	10	X	X	X	X	X	X				8S	(No Nitrate, X as MW-146)	Nitrite requested	

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:
Nitrate/Nitrite is not reported on MW-145.

Note to Pace: This exact note also (will also) apply to mw-146, mw-147 & mw-148

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier __ _____

Tracking # 7320 9666 0746 4 CR 04.04.24 0900

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Scott Ude	4/1/24	1400	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) CROBERTS

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: 5.8 0.1 5.9 °C MSA7 Bottles Received: 44

Date: 04.04.24 Time: 0900

Sample Receipt Checklist
COC Seal Present/Intact: __NP ✓Y __N
COC Signed/Accurate: __Y __N
Bottles arrive intact: __Y __N
Correct bottles used: __Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: ✓Y __N

PH-10BDH5021 TRC-235276?
CR6-20221V

Hold: Condition:

Chain of Custody Page 16 of 25

Pace Analytical® National Center for Testing & Innovation
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L1721276
B059
Acctnum: TRCATX
Template: T248764
Prelogin: P1062041
TSR: 526
PB:
Shipped Via:

4/1/24 COC (Limited) p. 2/5

| | | |

4/1/24 COC (Limited) p. 3/3

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: Julie Speer

Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2024

City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:

Client Project #

Lab Project # TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team

Site/Facility ID # (Navajo - Artesia)

P.O. #

Collected by (signature):

Immediately Packed on Ice N ____ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	Cl,F,SO4 - 125mlHDPE-NoPres		Remarks	Sample # (lab only)
DUP-REST-04	Grab	GW		4/1/24	730	11	X	X	X	X	X				X			07
EB-REST-04	Grab	GW		4/1/24	900	11	X	X	X	X	X				X			08
TRIP BLANK-REST-03						1	X											

Analysis / Container / Preservative

Chain of Custody Page 18 of 25

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L1721276

Table #

Acctnum: TRCATX
Template: T248764
Prelogin: P1062041
TSR: 526
PB:

Shipped Via:

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier __ _____

Tracking # 732091606 7404 CROSSED 04.04.24 0900

Sample Receipt Checklist
COC Seal Present/Intact: ✓NP __Y __N
COC Signed/Accurate: __Y __N
Bottles arrive intact: __Y __N
Correct bottles used: __Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Scott Ude	4/1/24	1400	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: 5.8+0.1=5.9 °C MSA
Bottles Received:

If preservation required by Login: Date/Time

Date: Time:

Hold: Condition:

Released to Imaging: 6/17/2025 4:41:11 PM

Received by OCD: 6/12/2025 1:19:15 PM

4/2-NCF-L1721276 TRCATX TD

Shortholds

Time estimate: oh **Time spent:** oh

Members

Troy Dunlap (responsible) Mc² Christopher McCord MKI Myra Katie Ingram

- [ ] Login Clarification needed
- [ ] Chain of custody is incomplete
- [ ] Please specify Metals requested
- [ ] Please specify TCLP requested
- [ ] Received additional samples not listed on COC
- [ ] Sample IDs on containers do not match IDs on COC
- [ ] Client did not "X" analysis
- [x] Chain of Custody is missing
- [ ] If no COC: Received by:_____
- [ ] If no COC: Date/Time:_____
- [ ] If no COC: Temp./Cont.Rec./pH:_____
- [ ] If no COC: Carrier:_____
- [ ] If no COC: Tracking #:_____
- [ ] Client informed by call
- [ ] Client informed by Email
- [ ] Client informed by Voicemail
- [ ] Date/Time:_____
- [ ] PM initials:_____
- [ ] Client Contact:_____

Comments

Troy Dunlap *2 April 2024 3:20 PM*

COC is missing. P1062041/T248764
Received IDs UG-1, UG-2, UG-3R and UG-4.
Logged per P/T due to short hold analysis.

Myra Katie Ingram *3 April 2024 10:02 AM*

This is cooler 1 of 2. The COC that should be in the 2nd cooler is attached.
Thank you, Troy

Troy Dunlap *3 April 2024 10:47 AM*

Looks like the missing cooler is still delayed.
7320 9666 7464

Page 155 of 1686

Released to Imaging: 6/17/2025 4:41:11 PM

Received by OCD: 6/12/2025 1:19:15 PM

1721276

Myra Katie Ingram *3 April 2024 11:26 AM*

@Christopher McCord This tracking number is on Tamara's (periship's) list of parcels they're working to track down and get to us ASAP.

Christopher McCord *3 April 2024 1:09 PM*

@Myra thank you.

Troy Dunlap *4 April 2024 3:23 PM*

Received today and added to SDG.

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ANALYTICAL REPORT

May 07, 2024

TRC Solutions - Austin, TX

Sample Delivery Group:	L1721739
Samples Received:	04/03/2024
Project Number:	
Description:	Artesia Spring 2024
Site:	(NAVAJO - ARTESIA)
Report To:	Julie Speer 505 E. Huntland Dr, Ste 250 Austin, TX 78752

Entire Report Reviewed By:

Chris McCord
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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SAMPLE SUMMARY

MW-6A L1721739-01 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/02/24 14:05 | Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260037	1	04/03/24 23:46	04/05/24 17:17	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259770	10	04/04/24 01:29	04/04/24 01:29	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260468	1	04/05/24 14:29	04/10/24 21:27	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2278163	1	05/01/24 19:29	05/03/24 17:45	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2261366	1	04/05/24 14:28	04/05/24 14:28	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2260907	1	04/05/24 13:20	04/05/24 13:20	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262351	1	04/08/24 17:17	04/09/24 03:47	KAP	Mt. Juliet, TN

MW-120 L1721739-02 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/02/24 08:25 | Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260028	1	04/03/24 23:20	04/04/24 14:00	JAC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259770	10	04/03/24 19:47	04/03/24 19:47	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259770	100	04/04/24 07:19	04/04/24 07:19	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260454	1	04/05/24 15:06	04/10/24 01:23	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260468	1	04/05/24 14:29	04/10/24 21:30	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260468	5	04/05/24 14:29	04/11/24 09:21	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2261366	1	04/05/24 14:51	04/05/24 14:51	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2260907	1	04/05/24 13:41	04/05/24 13:41	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262351	1	04/08/24 17:17	04/09/24 04:07	KAP	Mt. Juliet, TN

MW-121 L1721739-03 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/02/24 09:10 | Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260049	1	04/03/24 23:58	04/04/24 17:12	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259770	10	04/03/24 20:03	04/03/24 20:03	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259770	100	04/04/24 07:35	04/04/24 07:35	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260468	1	04/05/24 14:29	04/10/24 21:33	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2278163	1	05/01/24 19:29	05/03/24 17:49	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2261366	1	04/05/24 15:14	04/05/24 15:14	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2260907	1	04/05/24 14:02	04/05/24 14:02	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262351	1	04/08/24 17:17	04/09/24 04:28	KAP	Mt. Juliet, TN

MW-122 L1721739-04 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/02/24 09:55 | Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260049	1	04/03/24 23:58	04/04/24 17:12	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259770	10	04/03/24 20:19	04/03/24 20:19	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260468	1	04/05/24 14:29	04/10/24 21:37	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2278163	1	05/01/24 19:29	05/03/24 17:52	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2261366	1	04/05/24 15:37	04/05/24 15:37	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2260907	1	04/05/24 14:23	04/05/24 14:23	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262351	1	04/08/24 17:17	04/09/24 04:48	KAP	Mt. Juliet, TN

MW-2A L1721739-05 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/02/24 10:30 | Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260049	1	04/03/24 23:58	04/04/24 17:12	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259770	10	04/04/24 01:44	04/04/24 01:44	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259770	100	04/04/24 08:07	04/04/24 08:07	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260468	1	04/05/24 14:29	04/10/24 21:50	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260468	5	04/05/24 14:29	04/11/24 09:24	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2278163	1	05/01/24 19:29	05/03/24 17:32	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2261366	1	04/05/24 16:00	04/05/24 16:00	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2260907	1	04/05/24 14:45	04/05/24 14:45	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262351	1	04/08/24 17:17	04/09/24 05:09	KAP	Mt. Juliet, TN

MW-72 L1721739-06 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/02/24 11:30 | Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260049	1	04/03/24 23:58	04/04/24 17:12	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259770	10	04/04/24 02:32	04/04/24 02:32	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259770	100	04/04/24 08:54	04/04/24 08:54	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260468	1	04/05/24 14:29	04/10/24 21:54	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260468	5	04/05/24 14:29	04/11/24 09:28	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2278163	1	05/01/24 19:29	05/03/24 17:55	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2261366	1	04/05/24 16:22	04/05/24 16:22	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2260907	1	04/05/24 15:06	04/05/24 15:06	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262351	1	04/08/24 17:17	04/09/24 05:29	KAP	Mt. Juliet, TN

OCD-6 L1721739-07 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/02/24 12:15 | Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260037	1	04/03/24 23:46	04/05/24 17:17	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259770	10	04/04/24 02:48	04/04/24 02:48	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259770	100	04/04/24 09:10	04/04/24 09:10	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260454	1	04/05/24 15:06	04/10/24 01:46	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260468	1	04/05/24 14:29	04/10/24 21:57	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260468	5	04/05/24 14:29	04/11/24 09:31	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2261366	1	04/05/24 16:45	04/05/24 16:45	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2260907	1	04/05/24 15:27	04/05/24 15:27	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262351	1	04/08/24 17:17	04/09/24 05:49	KAP	Mt. Juliet, TN

OCD-7AR L1721739-08 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/02/24 13:00 | Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260037	1	04/03/24 23:46	04/05/24 17:17	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259770	10	04/04/24 03:04	04/04/24 03:04	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259770	100	04/04/24 09:26	04/04/24 09:26	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260454	1	04/05/24 15:06	04/10/24 01:49	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260468	1	04/05/24 14:29	04/10/24 22:00	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260468	5	04/05/24 14:29	04/11/24 09:34	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2261366	1	04/05/24 17:08	04/05/24 17:08	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2260907	1	04/05/24 15:48	04/05/24 15:48	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262351	1	04/08/24 17:17	04/09/24 06:10	KAP	Mt. Juliet, TN

MW-76 L1721739-09 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/02/24 08:30
Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260037	1	04/03/24 23:46	04/05/24 17:17	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259770	10	04/03/24 20:35	04/03/24 20:35	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260468	1	04/05/24 14:29	04/10/24 22:04	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2278163	1	05/01/24 19:29	05/03/24 18:05	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2278163	1	05/01/24 19:29	05/03/24 20:24	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2261366	1	04/05/24 17:31	04/05/24 17:31	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2260907	1	04/05/24 16:09	04/05/24 16:09	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262351	1	04/08/24 17:17	04/09/24 06:30	KAP	Mt. Juliet, TN

MW-77 L1721739-10 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/02/24 09:10
Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260037	1	04/03/24 23:46	04/05/24 17:17	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259770	10	04/03/24 20:51	04/03/24 20:51	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259770	100	04/04/24 09:58	04/04/24 09:58	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260468	1	04/05/24 14:29	04/11/24 09:38	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2278163	1	05/01/24 19:29	05/03/24 18:48	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2278163	1	05/01/24 19:29	05/03/24 20:27	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2261366	1	04/05/24 17:54	04/05/24 17:54	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261660	200	04/06/24 02:48	04/06/24 02:48	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262351	10	04/08/24 17:17	04/09/24 20:21	KAP	Mt. Juliet, TN

MW-78 L1721739-11 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/02/24 09:50
Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260028	1	04/03/24 23:20	04/04/24 14:00	JAC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259770	20	04/04/24 10:14	04/04/24 10:14	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259770	5	04/03/24 21:07	04/03/24 21:07	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260468	1	04/05/24 14:29	04/11/24 09:41	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2278163	1	05/01/24 19:29	05/03/24 18:52	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2278163	1	05/01/24 19:29	05/03/24 20:31	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2261366	1	04/05/24 18:17	04/05/24 18:17	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261660	200	04/06/24 03:09	04/06/24 03:09	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262351	10	04/08/24 17:17	04/09/24 20:01	KAP	Mt. Juliet, TN

MW-75 L1721739-12 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/02/24 10:35
Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2263011	1	04/09/24 12:17	04/09/24 16:58	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259770	10	04/04/24 03:20	04/04/24 03:20	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259770	100	04/04/24 10:46	04/04/24 10:46	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260454	1	04/05/24 15:06	04/10/24 02:02	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260468	1	04/05/24 14:29	04/10/24 22:14	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260468	5	04/05/24 14:29	04/11/24 09:44	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2261366	1	04/05/24 18:40	04/05/24 18:40	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261660	200	04/06/24 03:30	04/06/24 03:30	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262351	5	04/08/24 17:17	04/09/24 19:16	KAP	Mt. Juliet, TN

MW-83 L1721739-13 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/02/24 11:20
Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260053	1	04/04/24 00:04	04/07/24 09:55	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259770	10	04/04/24 03:36	04/04/24 03:36	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260468	1	04/05/24 14:29	04/10/24 22:17	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2278163	1	05/01/24 19:29	05/03/24 18:15	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2278163	1	05/01/24 19:29	05/03/24 20:34	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2261366	1	04/05/24 19:03	04/05/24 19:03	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261660	200	04/06/24 03:50	04/06/24 03:50	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262351	5	04/08/24 17:17	04/10/24 08:34	KAP	Mt. Juliet, TN

MW-3 L1721739-14 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/02/24 12:05
Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260049	1	04/03/24 23:58	04/04/24 17:12	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259791	10	04/03/24 19:18	04/03/24 19:18	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259791	100	04/03/24 19:32	04/03/24 19:32	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2269796	10	04/18/24 19:51	04/18/24 19:51	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260468	1	04/05/24 14:29	04/10/24 22:20	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2278163	1	05/01/24 19:29	05/03/24 18:19	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2278163	1	05/01/24 19:29	05/03/24 20:37	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2261366	1	04/05/24 19:26	04/05/24 19:26	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261660	1	04/06/24 04:11	04/06/24 04:11	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262352	1	04/09/24 08:23	04/10/24 11:27	MAA	Mt. Juliet, TN

MW-88 L1721739-15 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/02/24 12:50
Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2263011	1	04/09/24 12:17	04/09/24 16:58	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259791	10	04/03/24 19:45	04/03/24 19:45	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259791	100	04/03/24 19:59	04/03/24 19:59	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2269796	10	04/18/24 20:04	04/18/24 20:04	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260468	1	04/05/24 14:29	04/10/24 21:13	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2278163	1	05/01/24 19:29	05/03/24 18:22	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2278163	1	05/01/24 19:29	05/03/24 20:41	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2261366	1	04/05/24 19:49	04/05/24 19:49	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261660	1	04/06/24 04:31	04/06/24 04:31	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262352	1	04/09/24 08:23	04/10/24 11:48	MAA	Mt. Juliet, TN

MW-22A L1721739-16 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/02/24 13:35
Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260028	1	04/03/24 23:20	04/04/24 14:00	JAC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259791	10	04/03/24 20:13	04/03/24 20:13	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260468	1	04/05/24 14:29	04/11/24 10:41	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260468	5	04/05/24 14:29	04/11/24 09:47	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2278163	1	05/01/24 19:29	05/03/24 18:25	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2278163	1	05/01/24 19:29	05/03/24 20:44	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2261366	1	04/05/24 20:12	04/05/24 20:12	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261660	1	04/06/24 04:52	04/06/24 04:52	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262352	1	04/09/24 08:23	04/10/24 12:09	MAA	Mt. Juliet, TN

DUP-EP-02 L1721739-17 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/02/24 11:30 | Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260037	1	04/03/24 23:46	04/05/24 17:17	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259791	10	04/03/24 20:40	04/03/24 20:40	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260468	1	04/05/24 14:29	04/11/24 10:45	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260468	5	04/05/24 14:29	04/11/24 09:51	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2278163	1	05/01/24 19:29	05/03/24 18:29	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2278163	1	05/01/24 19:29	05/03/24 20:54	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2261366	1	04/05/24 20:34	04/05/24 20:34	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261660	1	04/06/24 05:13	04/06/24 05:13	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262352	1	04/09/24 08:23	04/10/24 12:30	MAA	Mt. Juliet, TN

DUP-EP-03 L1721739-18 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/02/24 09:30 | Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260028	1	04/03/24 23:20	04/04/24 14:00	JAC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259791	10	04/03/24 21:33	04/03/24 21:33	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260468	1	04/05/24 14:29	04/11/24 10:48	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260468	5	04/05/24 14:29	04/11/24 10:06	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2278163	1	05/01/24 19:29	05/03/24 18:32	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2278163	1	05/01/24 19:29	05/03/24 20:57	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2261366	1	04/05/24 20:57	04/05/24 20:57	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261660	1	04/06/24 05:34	04/06/24 05:34	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262352	1	04/09/24 08:23	04/10/24 12:51	MAA	Mt. Juliet, TN

MW-25 L1721739-19 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/02/24 12:30 | Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260037	1	04/03/24 23:46	04/05/24 17:17	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259791	10	04/03/24 21:58	04/03/24 21:58	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260454	1	04/05/24 15:06	04/10/24 12:47	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260468	1	04/05/24 14:29	04/11/24 10:09	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261660	1	04/06/24 05:54	04/06/24 05:54	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262352	1	04/09/24 08:23	04/14/24 14:16	DMG	Mt. Juliet, TN

MW-1R L1721739-20 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/02/24 13:15 | Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260028	1	04/03/24 23:20	04/04/24 14:00	JAC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259791	10	04/03/24 22:24	04/03/24 22:24	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260454	1	04/05/24 15:06	04/10/24 00:50	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260468	1	04/05/24 14:29	04/11/24 10:12	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261660	1	04/06/24 06:15	04/06/24 06:15	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262352	1	04/09/24 08:23	04/10/24 13:33	MAA	Mt. Juliet, TN

MW-15 L1721739-21 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/02/24 14:00
Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260037	1	04/03/24 23:46	04/05/24 17:17	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259791	10	04/03/24 22:50	04/03/24 22:50	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260457	1	04/05/24 13:16	04/10/24 17:33	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260469	1	04/08/24 10:27	04/10/24 18:16	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2261366	1	04/05/24 21:20	04/05/24 21:20	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261660	1	04/06/24 06:36	04/06/24 06:36	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262352	1	04/09/24 08:23	04/10/24 13:54	MAA	Mt. Juliet, TN

MW-87 L1721739-22 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/02/24 08:30
Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260037	1	04/03/24 23:46	04/05/24 17:17	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259791	10	04/03/24 23:16	04/03/24 23:16	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259791	100	04/03/24 23:29	04/03/24 23:29	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260457	1	04/05/24 13:16	04/10/24 17:37	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260469	1	04/08/24 10:27	04/10/24 18:20	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260469	5	04/08/24 10:27	04/10/24 19:22	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2261366	1	04/05/24 21:43	04/05/24 21:43	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261660	1	04/06/24 06:56	04/06/24 06:56	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262352	1	04/09/24 08:23	04/10/24 14:15	MAA	Mt. Juliet, TN

MW-18A L1721739-23 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/02/24 09:15
Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260028	1	04/03/24 23:20	04/04/24 14:00	JAC	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG2264666	1	04/11/24 11:35	04/11/24 22:32	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259791	10	04/04/24 00:07	04/04/24 00:07	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259791	100	04/04/24 00:21	04/04/24 00:21	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2259694	1	04/03/24 19:10	04/04/24 10:57	NDL	Mt. Juliet, TN
Mercury by Method 7470A	WG2260517	1	04/05/24 18:38	04/06/24 20:08	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2260380	1	04/05/24 08:33	04/05/24 12:53	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2262617	1	04/08/24 14:30	04/08/24 19:57	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260457	1	04/05/24 13:16	04/10/24 17:40	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260469	1	04/08/24 10:27	04/10/24 18:23	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260469	5	04/08/24 10:27	04/10/24 19:25	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261660	1	04/06/24 07:17	04/06/24 07:17	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262352	1	04/09/24 08:23	04/10/24 14:36	MAA	Mt. Juliet, TN

MW-70 L1721739-24 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/02/24 10:20
Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2263011	1	04/09/24 12:17	04/09/24 16:58	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259791	10	04/04/24 00:34	04/04/24 00:34	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259791	100	04/04/24 00:48	04/04/24 00:48	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260457	1	04/05/24 13:16	04/10/24 17:43	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260469	1	04/08/24 10:27	04/10/24 18:26	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2261420	1	04/05/24 19:03	04/05/24 19:03	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261660	1	04/06/24 07:38	04/06/24 07:38	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262352	1	04/09/24 08:23	04/10/24 14:57	MAA	Mt. Juliet, TN

MW-124 L1721739-25 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/02/24 11:10
Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2263011	1	04/09/24 12:17	04/09/24 16:58	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259791	10	04/04/24 01:02	04/04/24 01:02	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259791	100	04/04/24 01:16	04/04/24 01:16	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260457	1	04/05/24 13:16	04/10/24 17:20	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260469	1	04/08/24 10:27	04/10/24 18:38	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260469	5	04/08/24 10:27	04/10/24 19:45	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2261420	1	04/05/24 19:25	04/05/24 19:25	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261660	1	04/06/24 07:58	04/06/24 07:58	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262352	1	04/09/24 08:23	04/14/24 14:36	DMG	Mt. Juliet, TN

EB-EP-02 L1721739-26 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/02/24 11:30
Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260028	1	04/03/24 23:20	04/04/24 14:00	JAC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259791	1	04/04/24 01:29	04/04/24 01:29	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260457	1	04/05/24 13:16	04/10/24 20:45	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260469	1	04/08/24 10:27	04/10/24 18:41	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2261420	1	04/05/24 17:54	04/05/24 17:54	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261660	1	04/06/24 00:48	04/06/24 00:48	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262352	1	04/09/24 08:23	04/10/24 15:39	MAA	Mt. Juliet, TN

KWB-7 L1721739-28 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/02/24 08:45
Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260028	1	04/03/24 23:20	04/04/24 14:00	JAC	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG2262748	5	04/08/24 19:22	04/09/24 08:33	JAS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259791	1	04/04/24 02:51	04/04/24 02:51	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259791	10	04/04/24 03:18	04/04/24 03:18	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2259694	1	04/03/24 19:10	04/04/24 11:00	NDL	Mt. Juliet, TN
Mercury by Method 7470A	WG2260517	1	04/05/24 18:38	04/06/24 20:22	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2260380	1	04/05/24 08:33	04/05/24 12:55	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2262617	1	04/08/24 14:30	04/08/24 20:00	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260457	1	04/05/24 13:16	04/10/24 20:49	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260469	1	04/08/24 10:27	04/10/24 18:44	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261660	1	04/06/24 08:19	04/06/24 08:19	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262352	1	04/09/24 08:23	04/10/24 16:00	MAA	Mt. Juliet, TN

MW-27 L1721739-29 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/02/24 13:25
Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260028	1	04/03/24 23:20	04/04/24 14:00	JAC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259791	10	04/04/24 03:59	04/04/24 03:59	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260457	1	04/05/24 13:16	04/10/24 20:52	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260469	1	04/08/24 10:27	04/10/24 18:48	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261660	1	04/06/24 08:40	04/06/24 08:40	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262352	1	04/09/24 08:23	04/10/24 16:24	MAA	Mt. Juliet, TN

MW-89 L1721739-30 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/02/24 12:35
Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260028	1	04/03/24 23:20	04/04/24 14:00	JAC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259791	10	04/04/24 04:26	04/04/24 04:26	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260469	1	04/08/24 10:27	04/10/24 18:51	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2278163	1	05/01/24 19:29	05/03/24 18:55	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2278163	1	05/01/24 19:29	05/03/24 21:00	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2262482	1	04/09/24 01:16	04/09/24 01:16	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262352	1	04/09/24 08:23	04/10/24 16:45	MAA	Mt. Juliet, TN

MW-16 L1721739-31 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/02/24 11:45
Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260028	1	04/03/24 23:20	04/04/24 14:00	JAC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259791	10	04/04/24 04:53	04/04/24 04:53	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259791	100	04/04/24 05:34	04/04/24 05:34	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260457	1	04/05/24 13:16	04/10/24 20:58	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260469	1	04/08/24 10:27	04/10/24 18:03	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261667	1	04/06/24 02:58	04/06/24 02:58	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262352	1	04/09/24 08:23	04/14/24 15:18	DMG	Mt. Juliet, TN

MW-26 L1721739-32 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/02/24 11:00
Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260037	1	04/03/24 23:46	04/05/24 17:17	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259791	10	04/04/24 05:47	04/04/24 05:47	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259791	100	04/04/24 06:01	04/04/24 06:01	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2269796	10	04/18/24 20:18	04/18/24 20:18	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260457	1	04/05/24 13:16	04/10/24 21:02	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260469	1	04/08/24 10:27	04/10/24 18:54	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261667	1	04/06/24 03:18	04/06/24 03:18	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262352	1	04/09/24 08:23	04/14/24 14:57	DMG	Mt. Juliet, TN

KWB-11A L1721739-33 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/02/24 10:15
Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260028	1	04/03/24 23:20	04/04/24 14:00	JAC	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG2262748	1	04/08/24 19:22	04/09/24 08:34	JAS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259791	10	04/04/24 06:14	04/04/24 06:14	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2259694	1	04/03/24 19:10	04/04/24 11:02	NDL	Mt. Juliet, TN
Mercury by Method 7470A	WG2260517	1	04/05/24 18:38	04/06/24 20:25	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2260380	1	04/05/24 08:33	04/05/24 12:57	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2260462	1	04/08/24 11:26	04/08/24 22:41	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260457	1	04/05/24 13:16	04/10/24 21:05	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260469	1	04/08/24 10:27	04/10/24 18:58	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2261420	1	04/05/24 19:48	04/05/24 19:48	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261667	1	04/06/24 03:39	04/06/24 03:39	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262352	1	04/09/24 08:23	04/10/24 17:49	MAA	Mt. Juliet, TN

KWB-11B L1721739-34 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/02/24 09:25
Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260037	1	04/03/24 23:46	04/05/24 17:17	MMF	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG2262748	1	04/08/24 19:22	04/09/24 08:41	JAS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259791	10	04/04/24 06:42	04/04/24 06:42	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2259694	1	04/03/24 19:10	04/04/24 11:05	NDL	Mt. Juliet, TN
Mercury by Method 7470A	WG2260517	1	04/05/24 18:38	04/06/24 20:27	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2260380	1	04/05/24 08:33	04/05/24 12:58	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2260462	1	04/08/24 11:26	04/08/24 22:45	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260457	1	04/05/24 13:16	04/10/24 21:08	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260469	1	04/08/24 10:27	04/10/24 19:01	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2261420	1	04/05/24 20:10	04/05/24 20:10	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261667	1	04/06/24 03:59	04/06/24 03:59	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262352	1	04/09/24 08:23	04/10/24 18:10	MAA	Mt. Juliet, TN

MW-118 L1721739-35 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/02/24 13:10
Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260037	1	04/03/24 23:46	04/05/24 17:17	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259802	10	04/04/24 04:08	04/04/24 04:08	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259802	100	04/04/24 04:23	04/04/24 04:23	GEB	Mt. Juliet, TN
Mercury by Method 7470A	WG2259694	1	04/03/24 19:10	04/04/24 11:07	NDL	Mt. Juliet, TN
Mercury by Method 7470A	WG2260517	1	04/05/24 18:38	04/06/24 20:29	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2260380	1	04/05/24 08:33	04/05/24 13:00	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2260462	1	04/08/24 11:26	04/08/24 22:49	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260457	1	04/05/24 13:16	04/10/24 21:12	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260469	1	04/08/24 10:27	04/10/24 19:04	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2261420	1	04/05/24 20:33	04/05/24 20:33	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261667	1	04/06/24 04:20	04/06/24 04:20	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262353	1	04/09/24 08:26	04/10/24 23:16	MAA	Mt. Juliet, TN

MW-119 L1721739-36 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/02/24 12:20
Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260028	1	04/03/24 23:20	04/04/24 14:00	JAC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259802	10	04/04/24 04:38	04/04/24 04:38	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259802	100	04/04/24 04:53	04/04/24 04:53	GEB	Mt. Juliet, TN
Mercury by Method 7470A	WG2259694	1	04/03/24 19:10	04/04/24 11:10	NDL	Mt. Juliet, TN
Mercury by Method 7470A	WG2260517	1	04/05/24 18:38	04/06/24 20:32	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2260380	1	04/05/24 08:33	04/05/24 13:02	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2260462	1	04/08/24 11:26	04/08/24 22:53	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260457	1	04/05/24 13:16	04/10/24 21:15	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260469	1	04/08/24 10:27	04/10/24 19:08	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2261420	1	04/05/24 20:56	04/05/24 20:56	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261667	1	04/06/24 04:40	04/06/24 04:40	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262353	1	04/09/24 08:26	04/10/24 23:37	MAA	Mt. Juliet, TN

MW-126B L1721739-37 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/02/24 09:35 | Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260028	1	04/03/24 23:20	04/04/24 14:00	JAC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259760	10	04/04/24 02:24	04/04/24 02:24	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259760	100	04/04/24 05:19	04/04/24 05:19	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260457	1	04/05/24 13:16	04/11/24 01:46	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260469	1	04/08/24 10:27	04/10/24 19:28	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2261420	1	04/05/24 21:19	04/05/24 21:19	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261667	1	04/06/24 05:01	04/06/24 05:01	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262353	1	04/09/24 08:26	04/14/24 11:51	DMG	Mt. Juliet, TN

KWB-1A L1721739-38 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/02/24 12:05 | Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260028	1	04/03/24 23:20	04/04/24 14:00	JAC	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG2262748	1	04/08/24 19:22	04/09/24 08:43	JAS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259796	10	04/04/24 03:37	04/04/24 03:37	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2266511	10	04/13/24 16:51	04/13/24 16:51	GEB	Mt. Juliet, TN
Mercury by Method 7470A	WG2259694	1	04/03/24 19:10	04/04/24 10:30	NDL	Mt. Juliet, TN
Mercury by Method 7470A	WG2260517	1	04/05/24 18:38	04/06/24 20:34	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2260380	1	04/05/24 08:33	04/05/24 13:03	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2260462	1	04/08/24 11:26	04/08/24 23:04	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260457	1	04/05/24 13:16	04/11/24 01:49	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260469	1	04/08/24 10:27	04/10/24 19:32	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261667	1	04/06/24 05:21	04/06/24 05:21	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262353	1	04/09/24 08:26	04/14/24 11:30	DMG	Mt. Juliet, TN

KWB-12B L1721739-39 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/02/24 10:45 | Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260028	1	04/03/24 23:20	04/04/24 14:00	JAC	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG2262748	1	04/08/24 19:22	04/09/24 08:44	JAS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259796	10	04/04/24 03:51	04/04/24 03:51	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259796	100	04/04/24 08:44	04/04/24 08:44	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2259694	1	04/03/24 19:10	04/04/24 11:12	NDL	Mt. Juliet, TN
Mercury by Method 7470A	WG2260517	1	04/05/24 18:38	04/06/24 20:36	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2260380	1	04/05/24 08:33	04/05/24 13:05	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2260462	1	04/08/24 11:26	04/08/24 23:08	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260457	1	04/05/24 13:16	04/11/24 01:53	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260469	1	04/08/24 10:27	04/10/24 19:35	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2261420	1	04/05/24 21:42	04/05/24 21:42	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261667	1	04/06/24 05:42	04/06/24 05:42	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262353	1	04/09/24 08:26	04/11/24 00:39	MAA	Mt. Juliet, TN

KWB-13 L1721739-40 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/02/24 11:15 | Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260053	1	04/04/24 08:22	04/07/24 09:55	MMF	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG2262748	10	04/08/24 19:22	04/09/24 08:45	JAS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259796	10	04/04/24 04:05	04/04/24 04:05	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259796	100	04/04/24 08:57	04/04/24 08:57	DLH	Mt. Juliet, TN

KWB-13 L1721739-40 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/02/24 11:15
Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG2260517	1	04/05/24 18:38	04/06/24 20:39	AKB	Mt. Juliet, TN
Mercury by Method 7470A	WG2260519	1	04/04/24 15:30	04/05/24 13:02	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2260380	1	04/05/24 08:33	04/05/24 13:10	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2260462	1	04/08/24 11:26	04/08/24 23:12	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260457	1	04/05/24 13:16	04/11/24 01:56	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260469	1	04/08/24 10:27	04/10/24 19:38	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261667	1	04/06/24 06:03	04/06/24 06:03	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262353	1	04/09/24 08:26	04/11/24 01:00	MAA	Mt. Juliet, TN

MW-149 L1721739-41 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/02/24 09:15
Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260053	1	04/04/24 08:22	04/07/24 09:55	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259760	10	04/04/24 02:39	04/04/24 02:39	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259760	100	04/04/24 05:34	04/04/24 05:34	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260457	1	04/05/24 13:16	04/11/24 01:59	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260469	1	04/08/24 10:27	04/10/24 19:42	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261667	1	04/06/24 06:23	04/06/24 06:23	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262353	1	04/09/24 08:26	04/11/24 01:21	MAA	Mt. Juliet, TN

MW-150 L1721739-42 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/02/24 10:10
Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260053	1	04/04/24 08:22	04/07/24 09:55	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259796	10	04/04/24 04:18	04/04/24 04:18	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259796	100	04/04/24 09:09	04/04/24 09:09	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260459	1	04/05/24 13:31	04/09/24 02:15	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260470	1	04/05/24 23:39	04/10/24 15:50	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2261420	1	04/05/24 22:04	04/05/24 22:04	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261667	1	04/06/24 06:44	04/06/24 06:44	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262353	1	04/09/24 08:26	04/14/24 11:10	DMG	Mt. Juliet, TN

MW-142 L1721739-43 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/02/24 13:15
Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260053	1	04/04/24 08:22	04/07/24 09:55	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259802	10	04/04/24 05:37	04/04/24 05:37	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259802	100	04/04/24 05:52	04/04/24 05:52	GEB	Mt. Juliet, TN
Mercury by Method 7470A	WG2260517	1	04/05/24 18:38	04/06/24 20:41	AKB	Mt. Juliet, TN
Mercury by Method 7470A	WG2260519	1	04/04/24 15:30	04/05/24 13:05	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2260380	1	04/05/24 08:33	04/05/24 13:12	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2260462	1	04/08/24 11:26	04/08/24 23:16	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260459	1	04/05/24 13:31	04/09/24 02:28	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260470	1	04/05/24 23:39	04/10/24 15:53	LD	Mt. Juliet, TN

MW-143 L1721739-44 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/02/24 14:00 | Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260053	1	04/04/24 08:22	04/07/24 09:55	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259802	10	04/04/24 06:07	04/04/24 06:07	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259802	100	04/04/24 06:22	04/04/24 06:22	GEB	Mt. Juliet, TN
Mercury by Method 7470A	WG2260517	1	04/05/24 18:38	04/06/24 20:48	AKB	Mt. Juliet, TN
Mercury by Method 7470A	WG2260519	1	04/04/24 15:30	04/05/24 13:07	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2260380	1	04/05/24 08:33	04/05/24 13:13	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2260462	1	04/08/24 11:26	04/08/24 23:19	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260459	1	04/05/24 13:31	04/09/24 02:32	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260470	1	04/05/24 23:39	04/10/24 15:56	LD	Mt. Juliet, TN

DUP-REST-05 L1721739-45 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/02/24 12:00 | Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260053	1	04/04/24 08:22	04/07/24 09:55	MMF	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG2262748	1	04/08/24 19:22	04/09/24 08:47	JAS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259796	10	04/04/24 04:32	04/04/24 04:32	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259796	100	04/04/24 09:22	04/04/24 09:22	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2262591	1	04/09/24 10:07	04/10/24 08:55	NDL	Mt. Juliet, TN
Mercury by Method 7470A	WG2262839	1	04/09/24 14:16	04/10/24 08:24	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2262892	1	04/09/24 01:35	04/09/24 09:25	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2262987	1	04/10/24 10:38	04/10/24 17:15	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2262893	1	04/09/24 02:02	04/11/24 17:34	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2263008	1	04/10/24 02:20	04/10/24 16:14	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2261420	1	04/05/24 22:27	04/05/24 22:27	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261667	1	04/06/24 07:04	04/06/24 07:04	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262353	1	04/09/24 08:26	04/11/24 02:02	MAA	Mt. Juliet, TN

EB-REST-05 L1721739-46 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/02/24 11:00 | Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260053	1	04/04/24 08:22	04/07/24 09:55	MMF	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG2262748	1	04/08/24 19:22	04/09/24 08:48	JAS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2269796	1	04/18/24 20:31	04/18/24 20:31	GEB	Mt. Juliet, TN
Mercury by Method 7470A	WG2262591	1	04/09/24 10:07	04/10/24 09:04	NDL	Mt. Juliet, TN
Mercury by Method 7470A	WG2262839	1	04/09/24 14:16	04/10/24 08:33	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2262892	1	04/09/24 01:35	04/09/24 09:28	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2262987	1	04/10/24 10:38	04/10/24 17:19	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2262893	1	04/09/24 02:02	04/11/24 17:37	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2263008	1	04/10/24 02:20	04/10/24 16:17	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2261420	1	04/05/24 18:17	04/05/24 18:17	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261667	1	04/06/24 01:56	04/06/24 01:56	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262353	1	04/09/24 08:26	04/11/24 02:23	MAA	Mt. Juliet, TN

TRIP BLANK-REST-02 L1721739-47 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/02/24 00:00 | Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261667	1	04/06/24 01:35	04/06/24 01:35	JCP	Mt. Juliet, TN

MW-102 L1721739-48 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/02/24 12:30
Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260053	1	04/04/24 08:22	04/07/24 09:55	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259802	1	04/04/24 06:37	04/04/24 06:37	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260459	1	04/05/24 13:31	04/09/24 02:35	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260470	1	04/05/24 23:39	04/10/24 15:59	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2263251	1	04/10/24 00:23	04/10/24 12:18	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2261420	10	04/06/24 00:21	04/06/24 00:21	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261667	10	04/06/24 08:06	04/06/24 08:06	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2263193	250	04/10/24 01:39	04/10/24 01:39	KSD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262353	1	04/09/24 08:26	04/14/24 12:33	DMG	Mt. Juliet, TN

RW-6 L1721739-49 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/02/24 14:25
Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260199	1	04/05/24 21:52	04/06/24 17:22	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259802	1	04/04/24 07:07	04/04/24 07:07	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259802	10	04/04/24 07:22	04/04/24 07:22	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260459	1	04/05/24 13:31	04/09/24 02:38	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260470	1	04/05/24 23:39	04/10/24 15:36	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261667	1	04/06/24 07:24	04/06/24 07:24	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262353	1	04/09/24 08:26	04/14/24 12:12	DMG	Mt. Juliet, TN

MW-144 L1721739-50 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/02/24 08:40
Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260199	1	04/05/24 21:52	04/06/24 17:22	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259760	10	04/04/24 03:27	04/04/24 03:27	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259760	100	04/04/24 05:50	04/04/24 05:50	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2260517	1	04/05/24 18:38	04/06/24 20:50	AKB	Mt. Juliet, TN
Mercury by Method 7470A	WG2260519	1	04/04/24 15:30	04/05/24 13:10	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2260380	1	04/05/24 08:33	04/05/24 13:15	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2260462	1	04/08/24 11:26	04/08/24 23:23	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260459	1	04/05/24 13:31	04/09/24 02:48	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260459	1	04/05/24 13:31	04/09/24 11:12	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260470	1	04/05/24 23:39	04/10/24 16:09	LD	Mt. Juliet, TN

MW-135 L1721739-51 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/02/24 09:35
Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260199	1	04/05/24 21:52	04/06/24 17:22	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259796	10	04/04/24 05:12	04/04/24 05:12	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259796	100	04/04/24 09:34	04/04/24 09:34	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260459	1	04/05/24 13:31	04/09/24 02:52	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260470	1	04/05/24 23:39	04/10/24 16:13	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2261420	1	04/05/24 22:50	04/05/24 22:50	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261667	1	04/06/24 07:45	04/06/24 07:45	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262353	1	04/09/24 08:26	04/11/24 03:25	MAA	Mt. Juliet, TN

MW-147 L1721739-52 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/02/24 10:15 | Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260199	1	04/05/24 21:52	04/06/24 17:22	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259796	10	04/04/24 05:26	04/04/24 05:26	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259796	100	04/04/24 09:47	04/04/24 09:47	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2270068	10	04/23/24 12:34	04/23/24 12:34	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260459	1	04/05/24 13:31	04/09/24 02:55	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260470	1	04/05/24 23:39	04/10/24 16:16	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2261420	1	04/05/24 23:13	04/05/24 23:13	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261801	1	04/06/24 19:05	04/06/24 19:05	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262353	1	04/09/24 08:26	04/11/24 03:46	MAA	Mt. Juliet, TN

MW-148 L1721739-53 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/02/24 11:05 | Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260199	1	04/05/24 21:52	04/06/24 17:22	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259796	10	04/04/24 06:07	04/04/24 06:07	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259796	100	04/04/24 10:00	04/04/24 10:00	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2266511	10	04/13/24 17:07	04/13/24 17:07	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260459	1	04/05/24 13:31	04/09/24 02:58	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260470	1	04/05/24 23:39	04/10/24 16:19	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2261420	1	04/05/24 23:35	04/05/24 23:35	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261801	1	04/06/24 19:26	04/06/24 19:26	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262353	1	04/09/24 08:26	04/11/24 04:07	MAA	Mt. Juliet, TN

DUP-REST-02 L1721739-54 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/02/24 11:00 | Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260199	1	04/05/24 21:52	04/06/24 17:22	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259796	1	04/04/24 06:20	04/04/24 06:20	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2266511	1	04/13/24 17:23	04/13/24 17:23	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260459	1	04/05/24 13:31	04/09/24 03:02	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260470	1	04/05/24 23:39	04/10/24 16:22	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2263251	1	04/10/24 00:23	04/10/24 12:31	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2261420	10	04/06/24 00:43	04/06/24 00:43	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261801	10	04/06/24 20:10	04/06/24 20:10	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2262735	1000	04/08/24 19:08	04/08/24 19:08	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262353	1	04/09/24 08:26	04/14/24 13:35	DMG	Mt. Juliet, TN

EB-REST-02 L1721739-55 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/02/24 12:45 | Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260199	1	04/05/24 21:52	04/06/24 17:22	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259802	1	04/04/24 07:37	04/04/24 07:37	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260459	1	04/05/24 13:31	04/09/24 03:05	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260470	1	04/05/24 23:39	04/10/24 16:26	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2261420	1	04/05/24 18:40	04/05/24 18:40	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261801	1	04/06/24 13:58	04/06/24 13:58	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262353	1	04/09/24 08:26	04/14/24 10:49	DMG	Mt. Juliet, TN

MW-101 L1721739-56 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/02/24 09:25
Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260199	1	04/05/24 21:52	04/06/24 17:22	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259760	1	04/04/24 03:43	04/04/24 03:43	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260459	1	04/05/24 13:31	04/09/24 03:08	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260470	1	04/05/24 23:39	04/10/24 16:29	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2261420	1	04/05/24 23:58	04/05/24 23:58	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261801	1	04/06/24 19:48	04/06/24 19:48	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262353	1	04/09/24 08:26	04/14/24 12:53	DMG	Mt. Juliet, TN

MW-105 L1721739-57 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/02/24 08:25
Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260199	1	04/05/24 21:52	04/06/24 17:22	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259760	1	04/04/24 03:59	04/04/24 03:59	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259760	10	04/04/24 06:54	04/04/24 06:54	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260459	1	04/05/24 13:31	04/09/24 03:12	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260470	1	04/05/24 23:39	04/10/24 16:32	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2261420	10	04/06/24 01:06	04/06/24 01:06	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261801	10	04/06/24 20:32	04/06/24 20:32	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2262735	200	04/08/24 19:26	04/08/24 19:26	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262353	5	04/09/24 08:26	04/14/24 15:38	DMG	Mt. Juliet, TN

MW-61 L1721739-58 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/02/24 11:40
Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260049	1	04/03/24 23:58	04/04/24 17:12	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259802	10	04/04/24 07:52	04/04/24 07:52	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260459	1	04/05/24 13:31	04/09/24 03:15	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260470	1	04/05/24 23:39	04/10/24 16:36	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2263251	1	04/10/24 00:23	04/10/24 12:34	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2261994	20	04/07/24 17:33	04/07/24 17:33	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261823	20	04/06/24 20:06	04/06/24 20:06	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262353	1	04/09/24 08:26	04/14/24 13:14	DMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2262042	1	04/07/24 08:48	04/15/24 21:38	JRM	Mt. Juliet, TN

MW-62R L1721739-59 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/02/24 10:10
Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260037	1	04/03/24 23:46	04/05/24 17:17	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259796	1	04/04/24 06:34	04/04/24 06:34	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259796	10	04/04/24 10:25	04/04/24 10:25	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2266511	1	04/13/24 18:11	04/13/24 18:11	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260459	1	04/05/24 13:31	04/09/24 03:18	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260470	1	04/05/24 23:39	04/10/24 16:39	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2262538	5	04/08/24 15:18	04/08/24 15:18	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261823	1	04/06/24 17:21	04/06/24 17:21	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2262572	100	04/09/24 03:13	04/09/24 03:13	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262630	1	04/09/24 08:20	04/10/24 01:47	KAP	Mt. Juliet, TN

MW-106 L1721739-60 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/02/24 12:55 | Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260037	1	04/03/24 23:46	04/05/24 17:17	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259802	10	04/04/24 08:51	04/04/24 08:51	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260459	1	04/05/24 13:31	04/09/24 03:28	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260470	1	04/05/24 23:39	04/10/24 16:50	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2263251	1	04/10/24 00:23	04/10/24 12:37	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2261994	25	04/07/24 17:56	04/07/24 17:56	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261823	25	04/06/24 20:27	04/06/24 20:27	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2262572	500	04/09/24 03:34	04/09/24 03:34	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262630	5	04/09/24 08:20	04/10/24 10:36	KAP	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 C-mod	WG2264603	1	04/11/24 07:44	04/11/24 19:18	DSH	Mt. Juliet, TN

TRIP BLANK-REST-04 L1721739-61 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/02/24 00:00 | Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261823	1	04/06/24 14:37	04/06/24 14:37	DYW	Mt. Juliet, TN

MW-90 L1721739-62 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/02/24 08:25 | Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260037	1	04/03/24 23:46	04/05/24 17:17	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259760	10	04/04/24 04:15	04/04/24 04:15	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260459	1	04/05/24 13:31	04/09/24 03:32	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260470	1	04/05/24 23:39	04/10/24 16:53	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2261994	1	04/07/24 15:39	04/07/24 15:39	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261823	1	04/06/24 17:42	04/06/24 17:42	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2262572	1	04/09/24 01:49	04/09/24 01:49	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262630	1	04/09/24 08:20	04/10/24 10:16	KAP	Mt. Juliet, TN

MW-96 L1721739-63 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/02/24 09:05 | Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260053	1	04/04/24 00:04	04/07/24 09:55	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259760	1	04/04/24 04:31	04/04/24 04:31	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259760	10	04/04/24 07:26	04/04/24 07:26	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260459	1	04/05/24 13:31	04/09/24 03:35	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260470	1	04/05/24 23:39	04/10/24 16:56	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2262538	10	04/08/24 15:41	04/08/24 15:41	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261823	1	04/06/24 18:03	04/06/24 18:03	GLN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2262877	250	04/09/24 03:07	04/09/24 03:07	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262630	1	04/09/24 08:20	04/10/24 02:48	DMG	Mt. Juliet, TN

NCL-33 L1721739-64 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/02/24 09:55 | Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260199	1	04/05/24 21:52	04/06/24 17:22	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259796	10	04/04/24 07:01	04/04/24 07:01	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2266511	10	04/13/24 18:27	04/13/24 18:27	GEB	Mt. Juliet, TN

SAMPLE SUMMARY

NCL-33 L1721739-64 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/02/24 09:55 | Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020	WG2260459	1	04/05/24 13:31	04/09/24 03:38	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260470	1	04/05/24 23:39	04/10/24 17:00	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261823	1	04/06/24 18:23	04/06/24 18:23	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2262877	1	04/09/24 01:38	04/09/24 01:38	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262630	5	04/09/24 08:20	04/10/24 05:52	KAP	Mt. Juliet, TN

NCL-44 L1721739-65 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/02/24 08:25 | Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260199	1	04/05/24 21:52	04/06/24 17:22	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259760	10	04/04/24 04:47	04/04/24 04:47	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260459	1	04/05/24 13:31	04/09/24 03:42	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260470	1	04/05/24 23:39	04/10/24 17:03	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261823	1	04/06/24 18:44	04/06/24 18:44	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2262572	1	04/09/24 02:10	04/09/24 02:10	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262630	1	04/09/24 08:20	04/10/24 03:09	KAP	Mt. Juliet, TN

NCL-32 L1721739-66 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/02/24 09:05 | Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260199	1	04/05/24 21:52	04/06/24 17:22	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259760	10	04/04/24 05:03	04/04/24 05:03	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260971	1	04/05/24 14:52	04/07/24 20:26	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260971	1	04/05/24 14:52	04/08/24 17:31	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261157	1	04/07/24 12:51	04/10/24 01:32	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261823	1	04/06/24 19:04	04/06/24 19:04	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2262572	1	04/09/24 02:31	04/09/24 02:31	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262630	1	04/09/24 08:20	04/10/24 03:29	KAP	Mt. Juliet, TN

NCL-31 L1721739-67 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/02/24 09:45 | Received date/time: 04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260199	1	04/05/24 21:52	04/06/24 17:22	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259796	1	04/04/24 07:15	04/04/24 07:15	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259796	10	04/04/24 11:15	04/04/24 11:15	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2266511	1	04/13/24 18:43	04/13/24 18:43	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260971	1	04/05/24 14:52	04/07/24 20:30	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260971	1	04/05/24 14:52	04/08/24 17:34	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261157	1	04/07/24 12:51	04/10/24 01:42	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261823	1	04/06/24 19:25	04/06/24 19:25	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2262572	1	04/09/24 02:52	04/09/24 02:52	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262630	1	04/09/24 08:20	04/10/24 03:50	KAP	Mt. Juliet, TN

SAMPLE SUMMARY

MW-18 L1721739-68 GW

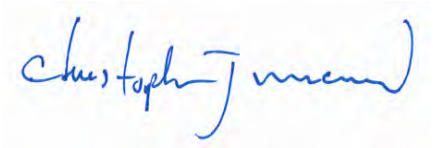
Collected by	Collected date/time	Received date/time
Scott Ude / HMI Team	04/02/24 10:40	04/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2260199	1	04/05/24 21:52	04/06/24 17:22	MMF	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG2262748	10	04/08/24 19:22	04/09/24 08:50	JAS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259796	1	04/04/24 07:28	04/04/24 07:28	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2259796	10	04/04/24 11:28	04/04/24 11:28	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2266511	1	04/13/24 18:59	04/13/24 18:59	GEB	Mt. Juliet, TN
Mercury by Method 7470A	WG2260517	1	04/05/24 18:38	04/06/24 20:53	AKB	Mt. Juliet, TN
Mercury by Method 7470A	WG2260519	1	04/04/24 15:30	04/05/24 12:50	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2260462	1	04/08/24 11:26	04/08/24 23:27	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2261152	1	04/07/24 08:03	04/08/24 09:52	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260971	1	04/05/24 14:57	04/07/24 20:33	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260971	1	04/05/24 14:57	04/08/24 01:52	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2260971	1	04/05/24 14:57	04/08/24 17:37	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261157	1	04/07/24 12:51	04/10/24 01:46	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261823	1	04/06/24 19:46	04/06/24 19:46	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262630	1	04/09/24 08:20	04/10/24 04:10	KAP	Mt. Juliet, TN

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Chris McCord
Project Manager

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2990		100	1	04/05/2024 17:17	WG2260037

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	721		3.79	10.0	10	04/04/2024 01:29	WG2259770
Fluoride	2.18		0.640	1.50	10	04/04/2024 01:29	WG2259770
Nitrate	U		0.480	1.00	10	04/04/2024 01:29	WG2259770
Nitrite	U		0.420	1.00	10	04/04/2024 01:29	WG2259770
Sulfate	1580		5.94	50.0	10	04/04/2024 01:29	WG2259770

Sample Narrative:

L1721739-01 WG2259770: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00434		0.000180	0.00200	1	04/10/2024 21:27	WG2260468
Arsenic,Dissolved	0.00429		0.000180	0.00200	1	05/03/2024 17:45	WG2278163
Barium	0.0124		0.000381	0.00200	1	04/10/2024 21:27	WG2260468
Barium,Dissolved	0.0132		0.000381	0.00200	1	05/03/2024 17:45	WG2278163
Calcium	298		0.0936	1.00	1	04/10/2024 21:27	WG2260468
Chromium	U		0.00124	0.00200	1	04/10/2024 21:27	WG2260468
Chromium,Dissolved	U		0.00124	0.00200	1	05/03/2024 17:45	WG2278163
Iron	0.603		0.0281	0.100	1	04/10/2024 21:27	WG2260468
Iron,Dissolved	0.620		0.0281	0.100	1	05/03/2024 17:45	WG2278163
Lead	U		0.000849	0.00200	1	04/10/2024 21:27	WG2260468
Lead,Dissolved	U		0.000849	0.00200	1	05/03/2024 17:45	WG2278163
Manganese	0.265		0.000704	0.00500	1	04/10/2024 21:27	WG2260468
Manganese,Dissolved	0.269		0.000704	0.00500	1	05/03/2024 17:45	WG2278163
Potassium	1.20	J	0.108	2.00	1	04/10/2024 21:27	WG2260468
Selenium	0.000457	J	0.000300	0.00200	1	04/10/2024 21:27	WG2260468
Selenium,Dissolved	0.000715	J	0.000300	0.00200	1	05/03/2024 17:45	WG2278163
Sodium	634		0.376	2.00	1	04/10/2024 21:27	WG2260468

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.218		0.0314	0.100	1	04/05/2024 14:28	WG2261366
(S) a,a,a-Trifluorotoluene(FID)	*105*			*78.0-120*		*04/05/2024 14:28*	WG2261366

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/05/2024 13:20	WG2260907
Benzene	0.00102		0.0000941	0.00100	1	04/05/2024 13:20	WG2260907
Bromodichloromethane	U		0.000136	0.00100	1	04/05/2024 13:20	WG2260907
Bromoform	U		0.000129	0.00100	1	04/05/2024 13:20	WG2260907
Bromomethane	U		0.000605	0.00500	1	04/05/2024 13:20	WG2260907
n-Butylbenzene	U		0.000157	0.00100	1	04/05/2024 13:20	WG2260907
sec-Butylbenzene	U		0.000125	0.00100	1	04/05/2024 13:20	WG2260907
Carbon disulfide	U		0.0000962	0.00100	1	04/05/2024 13:20	WG2260907
Carbon tetrachloride	U		0.000128	0.00100	1	04/05/2024 13:20	WG2260907

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	04/05/2024 13:20	WG2260907
Chlorodibromomethane	U		0.000140	0.00100	1	04/05/2024 13:20	WG2260907
Chloroethane	U		0.000192	0.00500	1	04/05/2024 13:20	WG2260907
Chloroform	U		0.000111	0.00500	1	04/05/2024 13:20	WG2260907
Chloromethane	U		0.000960	0.00250	1	04/05/2024 13:20	WG2260907
1,2-Dibromoethane	U		0.000126	0.00100	1	04/05/2024 13:20	WG2260907
1,1-Dichloroethane	U		0.000100	0.00100	1	04/05/2024 13:20	WG2260907
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/05/2024 13:20	WG2260907
1,1-Dichloroethene	U		0.000188	0.00100	1	04/05/2024 13:20	WG2260907
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/05/2024 13:20	WG2260907
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/05/2024 13:20	WG2260907
1,2-Dichloropropane	U		0.000149	0.00100	1	04/05/2024 13:20	WG2260907
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/05/2024 13:20	WG2260907
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/05/2024 13:20	WG2260907
Ethylbenzene	0.00250		0.000137	0.00100	1	04/05/2024 13:20	WG2260907
Isopropylbenzene	0.000291	J	0.000105	0.00100	1	04/05/2024 13:20	WG2260907
p-Isopropyltoluene	U		0.000120	0.00100	1	04/05/2024 13:20	WG2260907
2-Butanone (MEK)	U		0.00119	0.0100	1	04/05/2024 13:20	WG2260907
2-Hexanone	U		0.000787	0.0100	1	04/05/2024 13:20	WG2260907
Methylene Chloride	U		0.000430	0.00500	1	04/05/2024 13:20	WG2260907
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/05/2024 13:20	WG2260907
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/05/2024 13:20	WG2260907
Naphthalene	U		0.00100	0.00500	1	04/05/2024 13:20	WG2260907
n-Propylbenzene	0.000444	J	0.0000993	0.00100	1	04/05/2024 13:20	WG2260907
Styrene	U		0.000118	0.00100	1	04/05/2024 13:20	WG2260907
tert-Butyl alcohol	0.0921		0.00406	0.00500	1	04/05/2024 13:20	WG2260907
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/05/2024 13:20	WG2260907
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/05/2024 13:20	WG2260907
Tetrachloroethene	U		0.000300	0.00100	1	04/05/2024 13:20	WG2260907
Toluene	0.00563		0.000278	0.00100	1	04/05/2024 13:20	WG2260907
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/05/2024 13:20	WG2260907
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/05/2024 13:20	WG2260907
Trichloroethene	U		0.000190	0.00100	1	04/05/2024 13:20	WG2260907
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/05/2024 13:20	WG2260907
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/05/2024 13:20	WG2260907
Vinyl chloride	U		0.000234	0.00100	1	04/05/2024 13:20	WG2260907
o-Xylene	0.00246		0.000174	0.00100	1	04/05/2024 13:20	WG2260907
m&p-Xylene	0.00847		0.000430	0.00200	1	04/05/2024 13:20	WG2260907
Xylenes, Total	0.0109		0.000174	0.00300	1	04/05/2024 13:20	WG2260907
(S) Toluene-d8	*103*			*80.0-120*		*04/05/2024 13:20*	WG2260907
(S) 4-Bromofluorobenzene	*93.2*			*77.0-126*		*04/05/2024 13:20*	WG2260907
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*04/05/2024 13:20*	WG2260907

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	6.68		0.0247	0.100	1	04/09/2024 03:47	WG2262351
(S) o-Terphenyl	*79.0*			*52.0-156*		*04/09/2024 03:47*	WG2262351

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	5560		100	1	04/04/2024 14:00	WG2260028

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	1450		3.79	10.0	10	04/03/2024 19:47	WG2259770
Fluoride	2.90		0.640	1.50	10	04/03/2024 19:47	WG2259770
Nitrate	U		0.480	1.00	10	04/03/2024 19:47	WG2259770
Nitrite	U		0.420	1.00	10	04/03/2024 19:47	WG2259770
Sulfate	2250		59.4	500	100	04/04/2024 07:19	WG2259770

Sample Narrative:

L1721739-02 WG2259770: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.00336		0.000180	0.00200	1	04/10/2024 21:30	WG2260468
Arsenic,Dissolved	0.00453		0.000180	0.00200	1	04/10/2024 01:23	WG2260454
Barium	0.00933		0.000381	0.00200	1	04/10/2024 21:30	WG2260468
Barium,Dissolved	0.0136		0.000381	0.00200	1	04/10/2024 01:23	WG2260454
Calcium	460		0.0936	1.00	1	04/10/2024 21:30	WG2260468
Chromium	U		0.00124	0.00200	1	04/10/2024 21:30	WG2260468
Chromium,Dissolved	U		0.00124	0.00200	1	04/10/2024 01:23	WG2260454
Iron	0.779		0.0281	0.100	1	04/10/2024 21:30	WG2260468
Iron,Dissolved	0.703		0.0281	0.100	1	04/10/2024 01:23	WG2260454
Lead	U		0.000849	0.00200	1	04/10/2024 21:30	WG2260468
Lead,Dissolved	U		0.000849	0.00200	1	04/10/2024 01:23	WG2260454
Manganese	0.764		0.000704	0.00500	1	04/10/2024 21:30	WG2260468
Manganese,Dissolved	0.284		0.000704	0.00500	1	04/10/2024 01:23	WG2260454
Potassium	3.40		0.108	2.00	1	04/10/2024 21:30	WG2260468
Selenium	0.00798		0.000300	0.00200	1	04/10/2024 21:30	WG2260468
Selenium,Dissolved	0.000582	J	0.000300	0.00200	1	04/10/2024 01:23	WG2260454
Sodium	1130		1.88	10.0	5	04/11/2024 09:21	WG2260468

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/05/2024 14:51	WG2261366
(S) a,a,a-Trifluorotoluene(FID)	*103*			*78.0-120*		*04/05/2024 14:51*	WG2261366

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		0.0113	0.0500	1	04/05/2024 13:41	WG2260907
Benzene	U		0.0000941	0.00100	1	04/05/2024 13:41	WG2260907
Bromodichloromethane	U		0.000136	0.00100	1	04/05/2024 13:41	WG2260907
Bromoform	U		0.000129	0.00100	1	04/05/2024 13:41	WG2260907
Bromomethane	U		0.000605	0.00500	1	04/05/2024 13:41	WG2260907
n-Butylbenzene	U		0.000157	0.00100	1	04/05/2024 13:41	WG2260907
sec-Butylbenzene	U		0.000125	0.00100	1	04/05/2024 13:41	WG2260907
Carbon disulfide	U		0.0000962	0.00100	1	04/05/2024 13:41	WG2260907
Carbon tetrachloride	U		0.000128	0.00100	1	04/05/2024 13:41	WG2260907

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	04/05/2024 13:41	WG2260907
Chlorodibromomethane	U		0.000140	0.00100	1	04/05/2024 13:41	WG2260907
Chloroethane	U		0.000192	0.00500	1	04/05/2024 13:41	WG2260907
Chloroform	U		0.000111	0.00500	1	04/05/2024 13:41	WG2260907
Chloromethane	U		0.000960	0.00250	1	04/05/2024 13:41	WG2260907
1,2-Dibromoethane	U		0.000126	0.00100	1	04/05/2024 13:41	WG2260907
1,1-Dichloroethane	U		0.000100	0.00100	1	04/05/2024 13:41	WG2260907
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/05/2024 13:41	WG2260907
1,1-Dichloroethene	U		0.000188	0.00100	1	04/05/2024 13:41	WG2260907
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/05/2024 13:41	WG2260907
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/05/2024 13:41	WG2260907
1,2-Dichloropropane	U		0.000149	0.00100	1	04/05/2024 13:41	WG2260907
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/05/2024 13:41	WG2260907
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/05/2024 13:41	WG2260907
Ethylbenzene	U		0.000137	0.00100	1	04/05/2024 13:41	WG2260907
Isopropylbenzene	U		0.000105	0.00100	1	04/05/2024 13:41	WG2260907
p-Isopropyltoluene	U		0.000120	0.00100	1	04/05/2024 13:41	WG2260907
2-Butanone (MEK)	U		0.00119	0.0100	1	04/05/2024 13:41	WG2260907
2-Hexanone	U		0.000787	0.0100	1	04/05/2024 13:41	WG2260907
Methylene Chloride	U		0.000430	0.00500	1	04/05/2024 13:41	WG2260907
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/05/2024 13:41	WG2260907
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/05/2024 13:41	WG2260907
Naphthalene	U		0.00100	0.00500	1	04/05/2024 13:41	WG2260907
n-Propylbenzene	U		0.0000993	0.00100	1	04/05/2024 13:41	WG2260907
Styrene	U		0.000118	0.00100	1	04/05/2024 13:41	WG2260907
tert-Butyl alcohol	0.00982		0.00406	0.00500	1	04/05/2024 13:41	WG2260907
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/05/2024 13:41	WG2260907
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/05/2024 13:41	WG2260907
Tetrachloroethene	U		0.000300	0.00100	1	04/05/2024 13:41	WG2260907
Toluene	U		0.000278	0.00100	1	04/05/2024 13:41	WG2260907
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/05/2024 13:41	WG2260907
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/05/2024 13:41	WG2260907
Trichloroethene	U		0.000190	0.00100	1	04/05/2024 13:41	WG2260907
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/05/2024 13:41	WG2260907
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/05/2024 13:41	WG2260907
Vinyl chloride	U		0.000234	0.00100	1	04/05/2024 13:41	WG2260907
o-Xylene	U		0.000174	0.00100	1	04/05/2024 13:41	WG2260907
m&p-Xylene	U		0.000430	0.00200	1	04/05/2024 13:41	WG2260907
Xylenes, Total	U		0.000174	0.00300	1	04/05/2024 13:41	WG2260907
(S) Toluene-d8	*104*			*80.0-120*		*04/05/2024 13:41*	WG2260907
(S) 4-Bromofluorobenzene	*94.6*			*77.0-126*		*04/05/2024 13:41*	WG2260907
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*04/05/2024 13:41*	WG2260907

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.302		0.0247	0.100	1	04/09/2024 04:07	WG2262351
(S) o-Terphenyl	*94.0*			*52.0-156*		*04/09/2024 04:07*	WG2262351

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4590		100	1	04/04/2024 17:12	WG2260049

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	583		3.79	10.0	10	04/03/2024 20:03	WG2259770
Fluoride	5.70		0.640	1.50	10	04/03/2024 20:03	WG2259770
Nitrate	U		0.480	1.00	10	04/03/2024 20:03	WG2259770
Nitrite	U		0.420	1.00	10	04/03/2024 20:03	WG2259770
Sulfate	2370		59.4	500	100	04/04/2024 07:35	WG2259770

Sample Narrative:

L1721739-03 WG2259770: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0222		0.000180	0.00200	1	04/10/2024 21:33	WG2260468
Arsenic,Dissolved	0.0228		0.000180	0.00200	1	05/03/2024 17:49	WG2278163
Barium	0.0101		0.000381	0.00200	1	04/10/2024 21:33	WG2260468
Barium,Dissolved	0.0108		0.000381	0.00200	1	05/03/2024 17:49	WG2278163
Calcium	562		0.0936	1.00	1	04/10/2024 21:33	WG2260468
Chromium	U		0.00124	0.00200	1	04/10/2024 21:33	WG2260468
Chromium,Dissolved	U		0.00124	0.00200	1	05/03/2024 17:49	WG2278163
Iron	U		0.0281	0.100	1	04/10/2024 21:33	WG2260468
Iron,Dissolved	U		0.0281	0.100	1	05/03/2024 17:49	WG2278163
Lead	U		0.000849	0.00200	1	04/10/2024 21:33	WG2260468
Lead,Dissolved	U		0.000849	0.00200	1	05/03/2024 17:49	WG2278163
Manganese	1.25		0.000704	0.00500	1	04/10/2024 21:33	WG2260468
Manganese,Dissolved	1.29		0.000704	0.00500	1	05/03/2024 17:49	WG2278163
Potassium	2.98		0.108	2.00	1	04/10/2024 21:33	WG2260468
Selenium	0.00312		0.000300	0.00200	1	04/10/2024 21:33	WG2260468
Selenium,Dissolved	0.00333		0.000300	0.00200	1	05/03/2024 17:49	WG2278163
Sodium	615		0.376	2.00	1	04/10/2024 21:33	WG2260468

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/05/2024 15:14	WG2261366
(S) a,a,a-Trifluorotoluene(FID)	*102*			*78.0-120*		*04/05/2024 15:14*	WG2261366

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/05/2024 14:02	WG2260907
Benzene	U		0.0000941	0.00100	1	04/05/2024 14:02	WG2260907
Bromodichloromethane	U		0.000136	0.00100	1	04/05/2024 14:02	WG2260907
Bromoform	U		0.000129	0.00100	1	04/05/2024 14:02	WG2260907
Bromomethane	U		0.000605	0.00500	1	04/05/2024 14:02	WG2260907
n-Butylbenzene	U		0.000157	0.00100	1	04/05/2024 14:02	WG2260907
sec-Butylbenzene	U		0.000125	0.00100	1	04/05/2024 14:02	WG2260907
Carbon disulfide	U		0.0000962	0.00100	1	04/05/2024 14:02	WG2260907
Carbon tetrachloride	U		0.000128	0.00100	1	04/05/2024 14:02	WG2260907

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	04/05/2024 14:02	WG2260907
Chlorodibromomethane	U		0.000140	0.00100	1	04/05/2024 14:02	WG2260907
Chloroethane	U		0.000192	0.00500	1	04/05/2024 14:02	WG2260907
Chloroform	U		0.000111	0.00500	1	04/05/2024 14:02	WG2260907
Chloromethane	U		0.000960	0.00250	1	04/05/2024 14:02	WG2260907
1,2-Dibromoethane	U		0.000126	0.00100	1	04/05/2024 14:02	WG2260907
1,1-Dichloroethane	U		0.000100	0.00100	1	04/05/2024 14:02	WG2260907
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/05/2024 14:02	WG2260907
1,1-Dichloroethene	U		0.000188	0.00100	1	04/05/2024 14:02	WG2260907
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/05/2024 14:02	WG2260907
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/05/2024 14:02	WG2260907
1,2-Dichloropropane	U		0.000149	0.00100	1	04/05/2024 14:02	WG2260907
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/05/2024 14:02	WG2260907
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/05/2024 14:02	WG2260907
Ethylbenzene	U		0.000137	0.00100	1	04/05/2024 14:02	WG2260907
Isopropylbenzene	U		0.000105	0.00100	1	04/05/2024 14:02	WG2260907
p-Isopropyltoluene	U		0.000120	0.00100	1	04/05/2024 14:02	WG2260907
2-Butanone (MEK)	U		0.00119	0.0100	1	04/05/2024 14:02	WG2260907
2-Hexanone	U		0.000787	0.0100	1	04/05/2024 14:02	WG2260907
Methylene Chloride	U		0.000430	0.00500	1	04/05/2024 14:02	WG2260907
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/05/2024 14:02	WG2260907
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/05/2024 14:02	WG2260907
Naphthalene	U		0.00100	0.00500	1	04/05/2024 14:02	WG2260907
n-Propylbenzene	U		0.0000993	0.00100	1	04/05/2024 14:02	WG2260907
Styrene	U		0.000118	0.00100	1	04/05/2024 14:02	WG2260907
tert-Butyl alcohol	0.00637		0.00406	0.00500	1	04/05/2024 14:02	WG2260907
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/05/2024 14:02	WG2260907
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/05/2024 14:02	WG2260907
Tetrachloroethene	U		0.000300	0.00100	1	04/05/2024 14:02	WG2260907
Toluene	U		0.000278	0.00100	1	04/05/2024 14:02	WG2260907
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/05/2024 14:02	WG2260907
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/05/2024 14:02	WG2260907
Trichloroethene	U		0.000190	0.00100	1	04/05/2024 14:02	WG2260907
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/05/2024 14:02	WG2260907
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/05/2024 14:02	WG2260907
Vinyl chloride	U		0.000234	0.00100	1	04/05/2024 14:02	WG2260907
o-Xylene	U		0.000174	0.00100	1	04/05/2024 14:02	WG2260907
m&p-Xylene	U		0.000430	0.00200	1	04/05/2024 14:02	WG2260907
Xylenes, Total	U		0.000174	0.00300	1	04/05/2024 14:02	WG2260907
(S) Toluene-d8	*105*			*80.0-120*		*04/05/2024 14:02*	WG2260907
(S) 4-Bromofluorobenzene	*90.6*			*77.0-126*		*04/05/2024 14:02*	WG2260907
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*04/05/2024 14:02*	WG2260907

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.163		0.0247	0.100	1	04/09/2024 04:28	WG2262351
(S) o-Terphenyl	*94.0*			*52.0-156*		*04/09/2024 04:28*	WG2262351

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4170		100	1	04/04/2024 17:12	WG2260049

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1090		3.79	10.0	10	04/03/2024 20:19	WG2259770
Fluoride	2.79		0.640	1.50	10	04/03/2024 20:19	WG2259770
Nitrate	U		0.480	1.00	10	04/03/2024 20:19	WG2259770
Nitrite	U		0.420	1.00	10	04/03/2024 20:19	WG2259770
Sulfate	1660		5.94	50.0	10	04/03/2024 20:19	WG2259770

Sample Narrative:

L1721739-04 WG2259770: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00104	J	0.000180	0.00200	1	04/10/2024 21:37	WG2260468
Arsenic,Dissolved	0.00100	J	0.000180	0.00200	1	05/03/2024 17:52	WG2278163
Barium	0.0228		0.000381	0.00200	1	04/10/2024 21:37	WG2260468
Barium,Dissolved	0.0206		0.000381	0.00200	1	05/03/2024 17:52	WG2278163
Calcium	382		0.0936	1.00	1	04/10/2024 21:37	WG2260468
Chromium	U		0.00124	0.00200	1	04/10/2024 21:37	WG2260468
Chromium,Dissolved	U		0.00124	0.00200	1	05/03/2024 17:52	WG2278163
Iron	0.555		0.0281	0.100	1	04/10/2024 21:37	WG2260468
Iron,Dissolved	0.362		0.0281	0.100	1	05/03/2024 17:52	WG2278163
Lead	U		0.000849	0.00200	1	04/10/2024 21:37	WG2260468
Lead,Dissolved	U		0.000849	0.00200	1	05/03/2024 17:52	WG2278163
Manganese	0.183		0.000704	0.00500	1	04/10/2024 21:37	WG2260468
Manganese,Dissolved	0.183		0.000704	0.00500	1	05/03/2024 17:52	WG2278163
Potassium	3.62		0.108	2.00	1	04/10/2024 21:37	WG2260468
Selenium	U		0.000300	0.00200	1	04/10/2024 21:37	WG2260468
Selenium,Dissolved	U		0.000300	0.00200	1	05/03/2024 17:52	WG2278163
Sodium	724		0.376	2.00	1	04/10/2024 21:37	WG2260468

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/05/2024 15:37	WG2261366
(S) a,a,a-Trifluorotoluene(FID)	*101*			*78.0-120*		*04/05/2024 15:37*	WG2261366

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/05/2024 14:23	WG2260907
Benzene	U		0.0000941	0.00100	1	04/05/2024 14:23	WG2260907
Bromodichloromethane	U		0.000136	0.00100	1	04/05/2024 14:23	WG2260907
Bromoform	U		0.000129	0.00100	1	04/05/2024 14:23	WG2260907
Bromomethane	U		0.000605	0.00500	1	04/05/2024 14:23	WG2260907
n-Butylbenzene	U		0.000157	0.00100	1	04/05/2024 14:23	WG2260907
sec-Butylbenzene	U		0.000125	0.00100	1	04/05/2024 14:23	WG2260907
Carbon disulfide	U		0.0000962	0.00100	1	04/05/2024 14:23	WG2260907
Carbon tetrachloride	U		0.000128	0.00100	1	04/05/2024 14:23	WG2260907

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	04/05/2024 14:23	WG2260907
Chlorodibromomethane	U		0.000140	0.00100	1	04/05/2024 14:23	WG2260907
Chloroethane	U		0.000192	0.00500	1	04/05/2024 14:23	WG2260907
Chloroform	U		0.000111	0.00500	1	04/05/2024 14:23	WG2260907
Chloromethane	U		0.000960	0.00250	1	04/05/2024 14:23	WG2260907
1,2-Dibromoethane	U		0.000126	0.00100	1	04/05/2024 14:23	WG2260907
1,1-Dichloroethane	U		0.000100	0.00100	1	04/05/2024 14:23	WG2260907
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/05/2024 14:23	WG2260907
1,1-Dichloroethene	U		0.000188	0.00100	1	04/05/2024 14:23	WG2260907
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/05/2024 14:23	WG2260907
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/05/2024 14:23	WG2260907
1,2-Dichloropropane	U		0.000149	0.00100	1	04/05/2024 14:23	WG2260907
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/05/2024 14:23	WG2260907
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/05/2024 14:23	WG2260907
Ethylbenzene	U		0.000137	0.00100	1	04/05/2024 14:23	WG2260907
Isopropylbenzene	U		0.000105	0.00100	1	04/05/2024 14:23	WG2260907
p-Isopropyltoluene	U		0.000120	0.00100	1	04/05/2024 14:23	WG2260907
2-Butanone (MEK)	U		0.00119	0.0100	1	04/05/2024 14:23	WG2260907
2-Hexanone	U		0.000787	0.0100	1	04/05/2024 14:23	WG2260907
Methylene Chloride	U		0.000430	0.00500	1	04/05/2024 14:23	WG2260907
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/05/2024 14:23	WG2260907
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/05/2024 14:23	WG2260907
Naphthalene	U		0.00100	0.00500	1	04/05/2024 14:23	WG2260907
n-Propylbenzene	U		0.0000993	0.00100	1	04/05/2024 14:23	WG2260907
Styrene	U		0.000118	0.00100	1	04/05/2024 14:23	WG2260907
tert-Butyl alcohol	U		0.00406	0.00500	1	04/05/2024 14:23	WG2260907
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/05/2024 14:23	WG2260907
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/05/2024 14:23	WG2260907
Tetrachloroethene	U		0.000300	0.00100	1	04/05/2024 14:23	WG2260907
Toluene	U		0.000278	0.00100	1	04/05/2024 14:23	WG2260907
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/05/2024 14:23	WG2260907
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/05/2024 14:23	WG2260907
Trichloroethene	U		0.000190	0.00100	1	04/05/2024 14:23	WG2260907
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/05/2024 14:23	WG2260907
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/05/2024 14:23	WG2260907
Vinyl chloride	U		0.000234	0.00100	1	04/05/2024 14:23	WG2260907
o-Xylene	U		0.000174	0.00100	1	04/05/2024 14:23	WG2260907
m&p-Xylene	U		0.000430	0.00200	1	04/05/2024 14:23	WG2260907
Xylenes, Total	U		0.000174	0.00300	1	04/05/2024 14:23	WG2260907
(S) Toluene-d8	*104*			*80.0-120*		*04/05/2024 14:23*	WG2260907
(S) 4-Bromofluorobenzene	*91.3*			*77.0-126*		*04/05/2024 14:23*	WG2260907
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*04/05/2024 14:23*	WG2260907

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.101		0.0247	0.100	1	04/09/2024 04:48	WG2262351
(S) o-Terphenyl	*85.5*			*52.0-156*		*04/09/2024 04:48*	WG2262351

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	12300		200	1	04/04/2024 17:12	WG2260049

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	3610		37.9	100	100	04/04/2024 08:07	WG2259770
Fluoride	1.93		0.640	1.50	10	04/04/2024 01:44	WG2259770
Nitrate	U		0.480	1.00	10	04/04/2024 01:44	WG2259770
Nitrite	U		0.420	1.00	10	04/04/2024 01:44	WG2259770
Sulfate	4460		59.4	500	100	04/04/2024 08:07	WG2259770

Sample Narrative:

L1721739-05 WG2259770: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00545		0.000180	0.00200	1	04/10/2024 21:50	WG2260468
Arsenic,Dissolved	0.00571		0.000180	0.00200	1	05/03/2024 17:32	WG2278163
Barium	0.0255		0.000381	0.00200	1	04/10/2024 21:50	WG2260468
Barium,Dissolved	0.0260		0.000381	0.00200	1	05/03/2024 17:32	WG2278163
Calcium	628		0.0936	1.00	1	04/10/2024 21:50	WG2260468
Chromium	U		0.00124	0.00200	1	04/10/2024 21:50	WG2260468
Chromium,Dissolved	U		0.00124	0.00200	1	05/03/2024 17:32	WG2278163
Iron	0.195		0.0281	0.100	1	04/10/2024 21:50	WG2260468
Iron,Dissolved	0.205		0.0281	0.100	1	05/03/2024 17:32	WG2278163
Lead	U		0.000849	0.00200	1	04/10/2024 21:50	WG2260468
Lead,Dissolved	U		0.000849	0.00200	1	05/03/2024 17:32	WG2278163
Manganese	0.640		0.000704	0.00500	1	04/10/2024 21:50	WG2260468
Manganese,Dissolved	0.642		0.000704	0.00500	1	05/03/2024 17:32	WG2278163
Potassium	4.29		0.108	2.00	1	04/10/2024 21:50	WG2260468
Selenium	0.00606		0.000300	0.00200	1	04/10/2024 21:50	WG2260468
Selenium,Dissolved	0.00615		0.000300	0.00200	1	05/03/2024 17:32	WG2278163
Sodium	2970		1.88	10.0	5	04/11/2024 09:24	WG2260468

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/05/2024 16:00	WG2261366
(S) a,a,a-Trifluorotoluene(FID)	*101*			*78.0-120*		*04/05/2024 16:00*	WG2261366

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/05/2024 14:45	WG2260907
Benzene	U		0.0000941	0.00100	1	04/05/2024 14:45	WG2260907
Bromodichloromethane	U		0.000136	0.00100	1	04/05/2024 14:45	WG2260907
Bromoform	U		0.000129	0.00100	1	04/05/2024 14:45	WG2260907
Bromomethane	U		0.000605	0.00500	1	04/05/2024 14:45	WG2260907
n-Butylbenzene	U		0.000157	0.00100	1	04/05/2024 14:45	WG2260907
sec-Butylbenzene	U		0.000125	0.00100	1	04/05/2024 14:45	WG2260907
Carbon disulfide	U		0.0000962	0.00100	1	04/05/2024 14:45	WG2260907
Carbon tetrachloride	U		0.000128	0.00100	1	04/05/2024 14:45	WG2260907

MW-24
Collected date/time: 04/02/24 10:30
L1721739

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	04/05/2024 14:45	WG2260907
Chlorodibromomethane	U		0.000140	0.00100	1	04/05/2024 14:45	WG2260907
Chloroethane	U		0.000192	0.00500	1	04/05/2024 14:45	WG2260907
Chloroform	U		0.000111	0.00500	1	04/05/2024 14:45	WG2260907
Chloromethane	U		0.000960	0.00250	1	04/05/2024 14:45	WG2260907
1,2-Dibromoethane	U		0.000126	0.00100	1	04/05/2024 14:45	WG2260907
1,1-Dichloroethane	U		0.000100	0.00100	1	04/05/2024 14:45	WG2260907
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/05/2024 14:45	WG2260907
1,1-Dichloroethene	U		0.000188	0.00100	1	04/05/2024 14:45	WG2260907
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/05/2024 14:45	WG2260907
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/05/2024 14:45	WG2260907
1,2-Dichloropropane	U		0.000149	0.00100	1	04/05/2024 14:45	WG2260907
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/05/2024 14:45	WG2260907
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/05/2024 14:45	WG2260907
Ethylbenzene	U		0.000137	0.00100	1	04/05/2024 14:45	WG2260907
Isopropylbenzene	U		0.000105	0.00100	1	04/05/2024 14:45	WG2260907
p-Isopropyltoluene	U		0.000120	0.00100	1	04/05/2024 14:45	WG2260907
2-Butanone (MEK)	U		0.00119	0.0100	1	04/05/2024 14:45	WG2260907
2-Hexanone	U		0.000787	0.0100	1	04/05/2024 14:45	WG2260907
Methylene Chloride	U		0.000430	0.00500	1	04/05/2024 14:45	WG2260907
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/05/2024 14:45	WG2260907
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/05/2024 14:45	WG2260907
Naphthalene	U		0.00100	0.00500	1	04/05/2024 14:45	WG2260907
n-Propylbenzene	U		0.0000993	0.00100	1	04/05/2024 14:45	WG2260907
Styrene	U		0.000118	0.00100	1	04/05/2024 14:45	WG2260907
tert-Butyl alcohol	U		0.00406	0.00500	1	04/05/2024 14:45	WG2260907
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/05/2024 14:45	WG2260907
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/05/2024 14:45	WG2260907
Tetrachloroethene	U		0.000300	0.00100	1	04/05/2024 14:45	WG2260907
Toluene	U		0.000278	0.00100	1	04/05/2024 14:45	WG2260907
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/05/2024 14:45	WG2260907
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/05/2024 14:45	WG2260907
Trichloroethene	U		0.000190	0.00100	1	04/05/2024 14:45	WG2260907
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/05/2024 14:45	WG2260907
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/05/2024 14:45	WG2260907
Vinyl chloride	U		0.000234	0.00100	1	04/05/2024 14:45	WG2260907
o-Xylene	U		0.000174	0.00100	1	04/05/2024 14:45	WG2260907
m&p-Xylene	U		0.000430	0.00200	1	04/05/2024 14:45	WG2260907
Xylenes, Total	U		0.000174	0.00300	1	04/05/2024 14:45	WG2260907
(S) Toluene-d8	*105*			*80.0-120*		*04/05/2024 14:45*	WG2260907
(S) 4-Bromofluorobenzene	*92.4*			*77.0-126*		*04/05/2024 14:45*	WG2260907
(S) 1,2-Dichloroethane-d4	*99.9*			*70.0-130*		*04/05/2024 14:45*	WG2260907

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0827	J	0.0247	0.100	1	04/09/2024 05:09	WG2262351
(S) o-Terphenyl	*91.0*			*52.0-156*		*04/09/2024 05:09*	WG2262351

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	8800		200	1	04/04/2024 17:12	WG2260049

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	3110		37.9	100	100	04/04/2024 08:54	WG2259770
Fluoride	5.77		0.640	1.50	10	04/04/2024 02:32	WG2259770
Nitrate	U		0.480	1.00	10	04/04/2024 02:32	WG2259770
Nitrite	U		0.420	1.00	10	04/04/2024 02:32	WG2259770
Sulfate	2600		59.4	500	100	04/04/2024 08:54	WG2259770

Sample Narrative:

L1721739-06 WG2259770: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00475		0.000180	0.00200	1	04/10/2024 21:54	WG2260468
Arsenic,Dissolved	0.00507		0.000180	0.00200	1	05/03/2024 17:55	WG2278163
Barium	0.0108		0.000381	0.00200	1	04/10/2024 21:54	WG2260468
Barium,Dissolved	0.0107		0.000381	0.00200	1	05/03/2024 17:55	WG2278163
Calcium	765		0.0936	1.00	1	04/10/2024 21:54	WG2260468
Chromium	U		0.00124	0.00200	1	04/10/2024 21:54	WG2260468
Chromium,Dissolved	U		0.00124	0.00200	1	05/03/2024 17:55	WG2278163
Iron	0.369		0.0281	0.100	1	04/10/2024 21:54	WG2260468
Iron,Dissolved	0.379		0.0281	0.100	1	05/03/2024 17:55	WG2278163
Lead	U		0.000849	0.00200	1	04/10/2024 21:54	WG2260468
Lead,Dissolved	U		0.000849	0.00200	1	05/03/2024 17:55	WG2278163
Manganese	0.413		0.000704	0.00500	1	04/10/2024 21:54	WG2260468
Manganese,Dissolved	0.420		0.000704	0.00500	1	05/03/2024 17:55	WG2278163
Potassium	6.32		0.108	2.00	1	04/10/2024 21:54	WG2260468
Selenium	0.00193	J	0.000300	0.00200	1	04/10/2024 21:54	WG2260468
Selenium,Dissolved	0.00179	J	0.000300	0.00200	1	05/03/2024 17:55	WG2278163
Sodium	1920		1.88	10.0	5	04/11/2024 09:28	WG2260468

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0827	J	0.0314	0.100	1	04/05/2024 16:22	WG2261366
(S) a,a,a-Trifluorotoluene(FID)	*102*			*78.0-120*		*04/05/2024 16:22*	WG2261366

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/05/2024 15:06	WG2260907
Benzene	U		0.0000941	0.00100	1	04/05/2024 15:06	WG2260907
Bromodichloromethane	U		0.000136	0.00100	1	04/05/2024 15:06	WG2260907
Bromoform	U		0.000129	0.00100	1	04/05/2024 15:06	WG2260907
Bromomethane	U		0.000605	0.00500	1	04/05/2024 15:06	WG2260907
n-Butylbenzene	U		0.000157	0.00100	1	04/05/2024 15:06	WG2260907
sec-Butylbenzene	U		0.000125	0.00100	1	04/05/2024 15:06	WG2260907
Carbon disulfide	U		0.0000962	0.00100	1	04/05/2024 15:06	WG2260907
Carbon tetrachloride	U		0.000128	0.00100	1	04/05/2024 15:06	WG2260907

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	04/05/2024 15:06	WG2260907
Chlorodibromomethane	U		0.000140	0.00100	1	04/05/2024 15:06	WG2260907
Chloroethane	U		0.000192	0.00500	1	04/05/2024 15:06	WG2260907
Chloroform	U		0.000111	0.00500	1	04/05/2024 15:06	WG2260907
Chloromethane	U		0.000960	0.00250	1	04/05/2024 15:06	WG2260907
1,2-Dibromoethane	U		0.000126	0.00100	1	04/05/2024 15:06	WG2260907
1,1-Dichloroethane	U		0.000100	0.00100	1	04/05/2024 15:06	WG2260907
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/05/2024 15:06	WG2260907
1,1-Dichloroethene	U		0.000188	0.00100	1	04/05/2024 15:06	WG2260907
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/05/2024 15:06	WG2260907
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/05/2024 15:06	WG2260907
1,2-Dichloropropane	U		0.000149	0.00100	1	04/05/2024 15:06	WG2260907
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/05/2024 15:06	WG2260907
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/05/2024 15:06	WG2260907
Ethylbenzene	U		0.000137	0.00100	1	04/05/2024 15:06	WG2260907
Isopropylbenzene	U		0.000105	0.00100	1	04/05/2024 15:06	WG2260907
p-Isopropyltoluene	U		0.000120	0.00100	1	04/05/2024 15:06	WG2260907
2-Butanone (MEK)	U		0.00119	0.0100	1	04/05/2024 15:06	WG2260907
2-Hexanone	U		0.000787	0.0100	1	04/05/2024 15:06	WG2260907
Methylene Chloride	U		0.000430	0.00500	1	04/05/2024 15:06	WG2260907
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/05/2024 15:06	WG2260907
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/05/2024 15:06	WG2260907
Naphthalene	U		0.00100	0.00500	1	04/05/2024 15:06	WG2260907
n-Propylbenzene	U		0.0000993	0.00100	1	04/05/2024 15:06	WG2260907
Styrene	U		0.000118	0.00100	1	04/05/2024 15:06	WG2260907
tert-Butyl alcohol	U		0.00406	0.00500	1	04/05/2024 15:06	WG2260907
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/05/2024 15:06	WG2260907
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/05/2024 15:06	WG2260907
Tetrachloroethene	U		0.000300	0.00100	1	04/05/2024 15:06	WG2260907
Toluene	U		0.000278	0.00100	1	04/05/2024 15:06	WG2260907
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/05/2024 15:06	WG2260907
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/05/2024 15:06	WG2260907
Trichloroethene	U		0.000190	0.00100	1	04/05/2024 15:06	WG2260907
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/05/2024 15:06	WG2260907
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/05/2024 15:06	WG2260907
Vinyl chloride	U		0.000234	0.00100	1	04/05/2024 15:06	WG2260907
o-Xylene	U		0.000174	0.00100	1	04/05/2024 15:06	WG2260907
m&p-Xylene	U		0.000430	0.00200	1	04/05/2024 15:06	WG2260907
Xylenes, Total	U		0.000174	0.00300	1	04/05/2024 15:06	WG2260907
(S) Toluene-d8	*105*			*80.0-120*		*04/05/2024 15:06*	WG2260907
(S) 4-Bromofluorobenzene	*96.4*			*77.0-126*		*04/05/2024 15:06*	WG2260907
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*04/05/2024 15:06*	WG2260907

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.183		0.0247	0.100	1	04/09/2024 05:29	WG2262351
(S) o-Terphenyl	*91.5*			*52.0-156*		*04/09/2024 05:29*	WG2262351

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	8820		200	1	04/05/2024 17:17	WG2260037

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	4580		37.9	100	100	04/04/2024 09:10	WG2259770
Fluoride	2.37		0.640	1.50	10	04/04/2024 02:48	WG2259770
Nitrate	U		0.480	1.00	10	04/04/2024 02:48	WG2259770
Nitrite	U		0.420	1.00	10	04/04/2024 02:48	WG2259770
Sulfate	2700		59.4	500	100	04/04/2024 09:10	WG2259770

Sample Narrative:

L1721739-07 WG2259770: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00656		0.000180	0.00200	1	04/10/2024 21:57	WG2260468
Arsenic,Dissolved	0.00485		0.000180	0.00200	1	04/10/2024 01:46	WG2260454
Barium	0.0222		0.000381	0.00200	1	04/10/2024 21:57	WG2260468
Barium,Dissolved	0.0114		0.000381	0.00200	1	04/10/2024 01:46	WG2260454
Calcium	924		0.0936	1.00	1	04/10/2024 21:57	WG2260468
Chromium	U		0.00124	0.00200	1	04/10/2024 21:57	WG2260468
Chromium,Dissolved	U		0.00124	0.00200	1	04/10/2024 01:46	WG2260454
Iron	0.522		0.0281	0.100	1	04/10/2024 21:57	WG2260468
Iron,Dissolved	0.293		0.0281	0.100	1	04/10/2024 01:46	WG2260454
Lead	U		0.000849	0.00200	1	04/10/2024 21:57	WG2260468
Lead,Dissolved	U		0.000849	0.00200	1	04/10/2024 01:46	WG2260454
Manganese	2.03		0.000704	0.00500	1	04/10/2024 21:57	WG2260468
Manganese,Dissolved	0.260		0.000704	0.00500	1	04/10/2024 01:46	WG2260454
Potassium	14.6		0.108	2.00	1	04/10/2024 21:57	WG2260468
Selenium	0.000335	J	0.000300	0.00200	1	04/10/2024 21:57	WG2260468
Selenium,Dissolved	0.00237		0.000300	0.00200	1	04/10/2024 01:46	WG2260454
Sodium	2790		1.88	10.0	5	04/11/2024 09:31	WG2260468

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.141		0.0314	0.100	1	04/05/2024 16:45	WG2261366
(S) a,a,a-Trifluorotoluene(FID)	*102*			*78.0-120*		*04/05/2024 16:45*	WG2261366

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/05/2024 15:27	WG2260907
Benzene	U		0.0000941	0.00100	1	04/05/2024 15:27	WG2260907
Bromodichloromethane	U		0.000136	0.00100	1	04/05/2024 15:27	WG2260907
Bromoform	U		0.000129	0.00100	1	04/05/2024 15:27	WG2260907
Bromomethane	U		0.000605	0.00500	1	04/05/2024 15:27	WG2260907
n-Butylbenzene	U		0.000157	0.00100	1	04/05/2024 15:27	WG2260907
sec-Butylbenzene	U		0.000125	0.00100	1	04/05/2024 15:27	WG2260907
Carbon disulfide	U		0.0000962	0.00100	1	04/05/2024 15:27	WG2260907
Carbon tetrachloride	U		0.000128	0.00100	1	04/05/2024 15:27	WG2260907

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	04/05/2024 15:27	WG2260907
Chlorodibromomethane	U		0.000140	0.00100	1	04/05/2024 15:27	WG2260907
Chloroethane	U		0.000192	0.00500	1	04/05/2024 15:27	WG2260907
Chloroform	U		0.000111	0.00500	1	04/05/2024 15:27	WG2260907
Chloromethane	U		0.000960	0.00250	1	04/05/2024 15:27	WG2260907
1,2-Dibromoethane	U		0.000126	0.00100	1	04/05/2024 15:27	WG2260907
1,1-Dichloroethane	U		0.000100	0.00100	1	04/05/2024 15:27	WG2260907
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/05/2024 15:27	WG2260907
1,1-Dichloroethene	U		0.000188	0.00100	1	04/05/2024 15:27	WG2260907
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/05/2024 15:27	WG2260907
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/05/2024 15:27	WG2260907
1,2-Dichloropropane	U		0.000149	0.00100	1	04/05/2024 15:27	WG2260907
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/05/2024 15:27	WG2260907
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/05/2024 15:27	WG2260907
Ethylbenzene	U		0.000137	0.00100	1	04/05/2024 15:27	WG2260907
Isopropylbenzene	U		0.000105	0.00100	1	04/05/2024 15:27	WG2260907
p-Isopropyltoluene	U		0.000120	0.00100	1	04/05/2024 15:27	WG2260907
2-Butanone (MEK)	U		0.00119	0.0100	1	04/05/2024 15:27	WG2260907
2-Hexanone	U		0.000787	0.0100	1	04/05/2024 15:27	WG2260907
Methylene Chloride	U		0.000430	0.00500	1	04/05/2024 15:27	WG2260907
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/05/2024 15:27	WG2260907
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/05/2024 15:27	WG2260907
Naphthalene	U		0.00100	0.00500	1	04/05/2024 15:27	WG2260907
n-Propylbenzene	U		0.0000993	0.00100	1	04/05/2024 15:27	WG2260907
Styrene	U		0.000118	0.00100	1	04/05/2024 15:27	WG2260907
tert-Butyl alcohol	U		0.00406	0.00500	1	04/05/2024 15:27	WG2260907
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/05/2024 15:27	WG2260907
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/05/2024 15:27	WG2260907
Tetrachloroethene	U		0.000300	0.00100	1	04/05/2024 15:27	WG2260907
Toluene	U		0.000278	0.00100	1	04/05/2024 15:27	WG2260907
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/05/2024 15:27	WG2260907
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/05/2024 15:27	WG2260907
Trichloroethene	U		0.000190	0.00100	1	04/05/2024 15:27	WG2260907
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/05/2024 15:27	WG2260907
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/05/2024 15:27	WG2260907
Vinyl chloride	U		0.000234	0.00100	1	04/05/2024 15:27	WG2260907
o-Xylene	U		0.000174	0.00100	1	04/05/2024 15:27	WG2260907
m&p-Xylene	U		0.000430	0.00200	1	04/05/2024 15:27	WG2260907
Xylenes, Total	U		0.000174	0.00300	1	04/05/2024 15:27	WG2260907
(S) Toluene-d8	*102*			*80.0-120*		*04/05/2024 15:27*	WG2260907
(S) 4-Bromofluorobenzene	*96.8*			*77.0-126*		*04/05/2024 15:27*	WG2260907
(S) 1,2-Dichloroethane-d4	*100*			*70.0-130*		*04/05/2024 15:27*	WG2260907

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.653		0.0247	0.100	1	04/09/2024 05:49	WG2262351
(S) o-Terphenyl	*99.5*			*52.0-156*		*04/09/2024 05:49*	WG2262351

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	10600		200	1	04/05/2024 17:17	WG2260037

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	2800		37.9	100	100	04/04/2024 09:26	WG2259770
Fluoride	2.59		0.640	1.50	10	04/04/2024 03:04	WG2259770
Nitrate	U		0.480	1.00	10	04/04/2024 03:04	WG2259770
Nitrite	U		0.420	1.00	10	04/04/2024 03:04	WG2259770
Sulfate	3690		59.4	500	100	04/04/2024 09:26	WG2259770

Sample Narrative:

L1721739-08 WG2259770: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0582		0.000180	0.00200	1	04/10/2024 22:00	WG2260468
Arsenic,Dissolved	0.00791		0.000180	0.00200	1	04/10/2024 01:49	WG2260454
Barium	0.0144		0.000381	0.00200	1	04/10/2024 22:00	WG2260468
Barium,Dissolved	0.0228		0.000381	0.00200	1	04/10/2024 01:49	WG2260454
Calcium	708		0.0936	1.00	1	04/10/2024 22:00	WG2260468
Chromium	U		0.00124	0.00200	1	04/10/2024 22:00	WG2260468
Chromium,Dissolved	U		0.00124	0.00200	1	04/10/2024 01:49	WG2260454
Iron	5.51		0.0281	0.100	1	04/10/2024 22:00	WG2260468
Iron,Dissolved	0.905		0.0281	0.100	1	04/10/2024 01:49	WG2260454
Lead	U		0.000849	0.00200	1	04/10/2024 22:00	WG2260468
Lead,Dissolved	U		0.000849	0.00200	1	04/10/2024 01:49	WG2260454
Manganese	2.97		0.000704	0.00500	1	04/10/2024 22:00	WG2260468
Manganese,Dissolved	2.11		0.000704	0.00500	1	04/10/2024 01:49	WG2260454
Potassium	6.48		0.108	2.00	1	04/10/2024 22:00	WG2260468
Selenium	0.00107	J	0.000300	0.00200	1	04/10/2024 22:00	WG2260468
Selenium,Dissolved	0.000745	J	0.000300	0.00200	1	04/10/2024 01:49	WG2260454
Sodium	2740		1.88	10.0	5	04/11/2024 09:34	WG2260468

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.934		0.0314	0.100	1	04/05/2024 17:08	WG2261366
(S) a,a,a-Trifluorotoluene(FID)	*104*			*78.0-120*		*04/05/2024 17:08*	WG2261366

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/05/2024 15:48	WG2260907
Benzene	U		0.0000941	0.00100	1	04/05/2024 15:48	WG2260907
Bromodichloromethane	U		0.000136	0.00100	1	04/05/2024 15:48	WG2260907
Bromoform	U		0.000129	0.00100	1	04/05/2024 15:48	WG2260907
Bromomethane	U		0.000605	0.00500	1	04/05/2024 15:48	WG2260907
n-Butylbenzene	U		0.000157	0.00100	1	04/05/2024 15:48	WG2260907
sec-Butylbenzene	U		0.000125	0.00100	1	04/05/2024 15:48	WG2260907
Carbon disulfide	U		0.0000962	0.00100	1	04/05/2024 15:48	WG2260907
Carbon tetrachloride	U		0.000128	0.00100	1	04/05/2024 15:48	WG2260907

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	04/05/2024 15:48	WG2260907
Chlorodibromomethane	U		0.000140	0.00100	1	04/05/2024 15:48	WG2260907
Chloroethane	U		0.000192	0.00500	1	04/05/2024 15:48	WG2260907
Chloroform	U		0.000111	0.00500	1	04/05/2024 15:48	WG2260907
Chloromethane	U		0.000960	0.00250	1	04/05/2024 15:48	WG2260907
1,2-Dibromoethane	U		0.000126	0.00100	1	04/05/2024 15:48	WG2260907
1,1-Dichloroethane	U		0.000100	0.00100	1	04/05/2024 15:48	WG2260907
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/05/2024 15:48	WG2260907
1,1-Dichloroethene	U		0.000188	0.00100	1	04/05/2024 15:48	WG2260907
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/05/2024 15:48	WG2260907
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/05/2024 15:48	WG2260907
1,2-Dichloropropane	U		0.000149	0.00100	1	04/05/2024 15:48	WG2260907
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/05/2024 15:48	WG2260907
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/05/2024 15:48	WG2260907
Ethylbenzene	U		0.000137	0.00100	1	04/05/2024 15:48	WG2260907
Isopropylbenzene	U		0.000105	0.00100	1	04/05/2024 15:48	WG2260907
p-Isopropyltoluene	U		0.000120	0.00100	1	04/05/2024 15:48	WG2260907
2-Butanone (MEK)	U		0.00119	0.0100	1	04/05/2024 15:48	WG2260907
2-Hexanone	U		0.000787	0.0100	1	04/05/2024 15:48	WG2260907
Methylene Chloride	U		0.000430	0.00500	1	04/05/2024 15:48	WG2260907
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/05/2024 15:48	WG2260907
Methyl tert-butyl ether	0.00169		0.000101	0.00100	1	04/05/2024 15:48	WG2260907
Naphthalene	U		0.00100	0.00500	1	04/05/2024 15:48	WG2260907
n-Propylbenzene	U		0.0000993	0.00100	1	04/05/2024 15:48	WG2260907
Styrene	U		0.000118	0.00100	1	04/05/2024 15:48	WG2260907
tert-Butyl alcohol	0.0945		0.00406	0.00500	1	04/05/2024 15:48	WG2260907
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/05/2024 15:48	WG2260907
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/05/2024 15:48	WG2260907
Tetrachloroethene	U		0.000300	0.00100	1	04/05/2024 15:48	WG2260907
Toluene	U		0.000278	0.00100	1	04/05/2024 15:48	WG2260907
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/05/2024 15:48	WG2260907
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/05/2024 15:48	WG2260907
Trichloroethene	U		0.000190	0.00100	1	04/05/2024 15:48	WG2260907
1,2,4-Trimethylbenzene	0.000343	J	0.000322	0.00100	1	04/05/2024 15:48	WG2260907
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/05/2024 15:48	WG2260907
Vinyl chloride	U		0.000234	0.00100	1	04/05/2024 15:48	WG2260907
o-Xylene	U		0.000174	0.00100	1	04/05/2024 15:48	WG2260907
m&p-Xylene	U		0.000430	0.00200	1	04/05/2024 15:48	WG2260907
Xylenes, Total	U		0.000174	0.00300	1	04/05/2024 15:48	WG2260907
(S) Toluene-d8	*103*			*80.0-120*		*04/05/2024 15:48*	WG2260907
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*04/05/2024 15:48*	WG2260907
(S) 1,2-Dichloroethane-d4	*99.5*			*70.0-130*		*04/05/2024 15:48*	WG2260907

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	3.53		0.0247	0.100	1	04/09/2024 06:10	WG2262351
(S) o-Terphenyl	*66.0*			*52.0-156*		*04/09/2024 06:10*	WG2262351

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4580		100	1	04/05/2024 17:17	WG2260037

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1140		3.79	10.0	10	04/03/2024 20:35	WG2259770
Fluoride	3.26		0.640	1.50	10	04/03/2024 20:35	WG2259770
Nitrate	U		0.480	1.00	10	04/03/2024 20:35	WG2259770
Nitrite	U		0.420	1.00	10	04/03/2024 20:35	WG2259770
Sulfate	1880		5.94	50.0	10	04/03/2024 20:35	WG2259770

Sample Narrative:

L1721739-09 WG2259770: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0134		0.000180	0.00200	1	04/10/2024 22:04	WG2260468
Arsenic,Dissolved	0.0143		0.000180	0.00200	1	05/03/2024 18:05	WG2278163
Barium	0.0152		0.000381	0.00200	1	04/10/2024 22:04	WG2260468
Barium,Dissolved	0.0153		0.000381	0.00200	1	05/03/2024 18:05	WG2278163
Calcium	436		0.0936	1.00	1	04/10/2024 22:04	WG2260468
Chromium	U		0.00124	0.00200	1	04/10/2024 22:04	WG2260468
Chromium,Dissolved	U		0.00124	0.00200	1	05/03/2024 18:05	WG2278163
Iron	1.27		0.0281	0.100	1	04/10/2024 22:04	WG2260468
Iron,Dissolved	1.30		0.0281	0.100	1	05/03/2024 18:05	WG2278163
Lead	U		0.000849	0.00200	1	04/10/2024 22:04	WG2260468
Lead,Dissolved	U		0.000849	0.00200	1	05/03/2024 20:24	WG2278163
Manganese	0.692		0.000704	0.00500	1	04/10/2024 22:04	WG2260468
Manganese,Dissolved	0.684		0.000704	0.00500	1	05/03/2024 18:05	WG2278163
Potassium	22.2		0.108	2.00	1	04/10/2024 22:04	WG2260468
Selenium	0.00102	J	0.000300	0.00200	1	04/10/2024 22:04	WG2260468
Selenium,Dissolved	0.00123	J	0.000300	0.00200	1	05/03/2024 18:05	WG2278163
Sodium	856		0.376	2.00	1	04/10/2024 22:04	WG2260468

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.426		0.0314	0.100	1	04/05/2024 17:31	WG2261366
(S) a,a,a-Trifluorotoluene(FID)	*105*			*78.0-120*		*04/05/2024 17:31*	WG2261366

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/05/2024 16:09	WG2260907
Benzene	U		0.0000941	0.00100	1	04/05/2024 16:09	WG2260907
Bromodichloromethane	U		0.000136	0.00100	1	04/05/2024 16:09	WG2260907
Bromoform	U		0.000129	0.00100	1	04/05/2024 16:09	WG2260907
Bromomethane	U		0.000605	0.00500	1	04/05/2024 16:09	WG2260907
n-Butylbenzene	U		0.000157	0.00100	1	04/05/2024 16:09	WG2260907
sec-Butylbenzene	U		0.000125	0.00100	1	04/05/2024 16:09	WG2260907
Carbon disulfide	U		0.0000962	0.00100	1	04/05/2024 16:09	WG2260907
Carbon tetrachloride	U		0.000128	0.00100	1	04/05/2024 16:09	WG2260907

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	04/05/2024 16:09	WG2260907
Chlorodibromomethane	U		0.000140	0.00100	1	04/05/2024 16:09	WG2260907
Chloroethane	U		0.000192	0.00500	1	04/05/2024 16:09	WG2260907
Chloroform	U		0.000111	0.00500	1	04/05/2024 16:09	WG2260907
Chloromethane	U		0.000960	0.00250	1	04/05/2024 16:09	WG2260907
1,2-Dibromoethane	U		0.000126	0.00100	1	04/05/2024 16:09	WG2260907
1,1-Dichloroethane	U		0.000100	0.00100	1	04/05/2024 16:09	WG2260907
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/05/2024 16:09	WG2260907
1,1-Dichloroethene	U		0.000188	0.00100	1	04/05/2024 16:09	WG2260907
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/05/2024 16:09	WG2260907
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/05/2024 16:09	WG2260907
1,2-Dichloropropane	U		0.000149	0.00100	1	04/05/2024 16:09	WG2260907
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/05/2024 16:09	WG2260907
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/05/2024 16:09	WG2260907
Ethylbenzene	U		0.000137	0.00100	1	04/05/2024 16:09	WG2260907
Isopropylbenzene	0.000268	J	0.000105	0.00100	1	04/05/2024 16:09	WG2260907
p-Isopropyltoluene	U		0.000120	0.00100	1	04/05/2024 16:09	WG2260907
2-Butanone (MEK)	U		0.00119	0.0100	1	04/05/2024 16:09	WG2260907
2-Hexanone	U		0.000787	0.0100	1	04/05/2024 16:09	WG2260907
Methylene Chloride	U		0.000430	0.00500	1	04/05/2024 16:09	WG2260907
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/05/2024 16:09	WG2260907
Methyl tert-butyl ether	0.00324		0.000101	0.00100	1	04/05/2024 16:09	WG2260907
Naphthalene	U		0.00100	0.00500	1	04/05/2024 16:09	WG2260907
n-Propylbenzene	U		0.0000993	0.00100	1	04/05/2024 16:09	WG2260907
Styrene	U		0.000118	0.00100	1	04/05/2024 16:09	WG2260907
tert-Butyl alcohol	0.0417		0.00406	0.00500	1	04/05/2024 16:09	WG2260907
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/05/2024 16:09	WG2260907
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/05/2024 16:09	WG2260907
Tetrachloroethene	U		0.000300	0.00100	1	04/05/2024 16:09	WG2260907
Toluene	U		0.000278	0.00100	1	04/05/2024 16:09	WG2260907
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/05/2024 16:09	WG2260907
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/05/2024 16:09	WG2260907
Trichloroethene	U		0.000190	0.00100	1	04/05/2024 16:09	WG2260907
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/05/2024 16:09	WG2260907
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/05/2024 16:09	WG2260907
Vinyl chloride	U		0.000234	0.00100	1	04/05/2024 16:09	WG2260907
o-Xylene	U		0.000174	0.00100	1	04/05/2024 16:09	WG2260907
m&p-Xylene	U		0.000430	0.00200	1	04/05/2024 16:09	WG2260907
Xylenes, Total	U		0.000174	0.00300	1	04/05/2024 16:09	WG2260907
(S) Toluene-d8	*104*			*80.0-120*		*04/05/2024 16:09*	WG2260907
(S) 4-Bromofluorobenzene	*97.6*			*77.0-126*		*04/05/2024 16:09*	WG2260907
(S) 1,2-Dichloroethane-d4	*98.6*			*70.0-130*		*04/05/2024 16:09*	WG2260907

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	8.58		0.0247	0.100	1	04/09/2024 06:30	WG2262351
(S) o-Terphenyl	*102*			*52.0-156*		*04/09/2024 06:30*	WG2262351

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	6720		100	1	04/05/2024 17:17	WG2260037

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	435		3.79	10.0	10	04/03/2024 20:51	WG2259770
Fluoride	8.81		0.640	1.50	10	04/03/2024 20:51	WG2259770
Nitrate	U		0.480	1.00	10	04/03/2024 20:51	WG2259770
Nitrite	U		0.420	1.00	10	04/03/2024 20:51	WG2259770
Sulfate	3210		59.4	500	100	04/04/2024 09:58	WG2259770

Sample Narrative:

L1721739-10 WG2259770: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0184		0.000180	0.00200	1	04/11/2024 09:38	WG2260468
Arsenic,Dissolved	0.0187		0.000180	0.00200	1	05/03/2024 18:48	WG2278163
Barium	0.0148		0.000381	0.00200	1	04/11/2024 09:38	WG2260468
Barium,Dissolved	0.0148		0.000381	0.00200	1	05/03/2024 18:48	WG2278163
Calcium	475		0.0936	1.00	1	04/11/2024 09:38	WG2260468
Chromium	0.0329		0.00124	0.00200	1	04/11/2024 09:38	WG2260468
Chromium,Dissolved	0.0329		0.00124	0.00200	1	05/03/2024 18:48	WG2278163
Iron	0.217		0.0281	0.100	1	04/11/2024 09:38	WG2260468
Iron,Dissolved	0.198		0.0281	0.100	1	05/03/2024 18:48	WG2278163
Lead	U		0.000849	0.00200	1	04/11/2024 09:38	WG2260468
Lead,Dissolved	U		0.000849	0.00200	1	05/03/2024 20:27	WG2278163
Manganese	0.497		0.000704	0.00500	1	04/11/2024 09:38	WG2260468
Manganese,Dissolved	0.480		0.000704	0.00500	1	05/03/2024 18:48	WG2278163
Potassium	50.4		0.108	2.00	1	04/11/2024 09:38	WG2260468
Selenium	0.0121		0.000300	0.00200	1	04/11/2024 09:38	WG2260468
Selenium,Dissolved	0.0144		0.000300	0.00200	1	05/03/2024 18:48	WG2278163
Sodium	847		0.376	2.00	1	04/11/2024 09:38	WG2260468

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.212		0.0314	0.100	1	04/05/2024 17:54	WG2261366
(S) a,a,a-Trifluorotoluene(FID)	*104*			*78.0-120*		*04/05/2024 17:54*	WG2261366

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		2.26	10.0	200	04/06/2024 02:48	WG2261660
Benzene	U		0.0188	0.200	200	04/06/2024 02:48	WG2261660
Bromodichloromethane	U		0.0272	0.200	200	04/06/2024 02:48	WG2261660
Bromoform	U		0.0258	0.200	200	04/06/2024 02:48	WG2261660
Bromomethane	U		0.121	1.00	200	04/06/2024 02:48	WG2261660
n-Butylbenzene	U		0.0314	0.200	200	04/06/2024 02:48	WG2261660
sec-Butylbenzene	U		0.0250	0.200	200	04/06/2024 02:48	WG2261660
Carbon disulfide	U		0.0192	0.200	200	04/06/2024 02:48	WG2261660
Carbon tetrachloride	U		0.0256	0.200	200	04/06/2024 02:48	WG2261660

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.0232	0.200	200	04/06/2024 02:48	WG2261660
Chlorodibromomethane	U		0.0280	0.200	200	04/06/2024 02:48	WG2261660
Chloroethane	U		0.0384	1.00	200	04/06/2024 02:48	WG2261660
Chloroform	U		0.0222	1.00	200	04/06/2024 02:48	WG2261660
Chloromethane	U		0.192	0.500	200	04/06/2024 02:48	WG2261660
1,2-Dibromoethane	U		0.0252	0.200	200	04/06/2024 02:48	WG2261660
1,1-Dichloroethane	U		0.0200	0.200	200	04/06/2024 02:48	WG2261660
1,2-Dichloroethane	U		0.0164	0.200	200	04/06/2024 02:48	WG2261660
1,1-Dichloroethene	U		0.0376	0.200	200	04/06/2024 02:48	WG2261660
cis-1,2-Dichloroethene	U		0.0252	0.200	200	04/06/2024 02:48	WG2261660
trans-1,2-Dichloroethene	U		0.0298	0.200	200	04/06/2024 02:48	WG2261660
1,2-Dichloropropane	U		0.0298	0.200	200	04/06/2024 02:48	WG2261660
cis-1,3-Dichloropropene	U		0.0222	0.200	200	04/06/2024 02:48	WG2261660
trans-1,3-Dichloropropene	U		0.0236	0.200	200	04/06/2024 02:48	WG2261660
Ethylbenzene	U		0.0274	0.200	200	04/06/2024 02:48	WG2261660
Isopropylbenzene	U		0.0210	0.200	200	04/06/2024 02:48	WG2261660
p-Isopropyltoluene	U		0.0240	0.200	200	04/06/2024 02:48	WG2261660
2-Butanone (MEK)	U		0.238	2.00	200	04/06/2024 02:48	WG2261660
2-Hexanone	U		0.157	2.00	200	04/06/2024 02:48	WG2261660
Methylene Chloride	U		0.0860	1.00	200	04/06/2024 02:48	WG2261660
4-Methyl-2-pentanone (MIBK)	U		0.0956	2.00	200	04/06/2024 02:48	WG2261660
Methyl tert-butyl ether	U		0.0202	0.200	200	04/06/2024 02:48	WG2261660
Naphthalene	U		0.200	1.00	200	04/06/2024 02:48	WG2261660
n-Propylbenzene	U		0.0199	0.200	200	04/06/2024 02:48	WG2261660
Styrene	U		0.0236	0.200	200	04/06/2024 02:48	WG2261660
tert-Butyl alcohol	U		0.812	1.00	200	04/06/2024 02:48	WG2261660
1,1,1,2-Tetrachloroethane	U		0.0294	0.200	200	04/06/2024 02:48	WG2261660
1,1,2,2-Tetrachloroethane	U		0.0266	0.200	200	04/06/2024 02:48	WG2261660
Tetrachloroethene	U		0.0600	0.200	200	04/06/2024 02:48	WG2261660
Toluene	U		0.0556	0.200	200	04/06/2024 02:48	WG2261660
1,1,1-Trichloroethane	U		0.0298	0.200	200	04/06/2024 02:48	WG2261660
1,1,2-Trichloroethane	U		0.0316	0.200	200	04/06/2024 02:48	WG2261660
Trichloroethene	U		0.0380	0.200	200	04/06/2024 02:48	WG2261660
1,2,4-Trimethylbenzene	U		0.0644	0.200	200	04/06/2024 02:48	WG2261660
1,3,5-Trimethylbenzene	U		0.0208	0.200	200	04/06/2024 02:48	WG2261660
Vinyl chloride	U		0.0468	0.200	200	04/06/2024 02:48	WG2261660
o-Xylene	U		0.0348	0.200	200	04/06/2024 02:48	WG2261660
m&p-Xylene	U		0.0860	0.400	200	04/06/2024 02:48	WG2261660
Xylenes, Total	U		0.0348	0.600	200	04/06/2024 02:48	WG2261660
(S) Toluene-d8	*103*			*80.0-120*		*04/06/2024 02:48*	WG2261660
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*04/06/2024 02:48*	WG2261660
(S) 1,2-Dichloroethane-d4	*99.1*			*70.0-130*		*04/06/2024 02:48*	WG2261660

Sample Narrative:

L1721739-10 WG2261660: Dilution due to foam.

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	61.3		0.247	1.00	10	04/09/2024 20:21	WG2262351
(S) o-Terphenyl	*49.9*	J2		*52.0-156*		*04/09/2024 20:21*	WG2262351

Sample Narrative:

L1721739-10 WG2262351: Sample produced emulsion during Extraction process, low surr/spike recoveries due to matrix.

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2620		50.0	1	04/04/2024 14:00	WG2260028

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	273	V	1.90	5.00	5	04/03/2024 21:07	WG2259770
Fluoride	13.1	J6	0.320	0.750	5	04/03/2024 21:07	WG2259770
Nitrate	4.65	J6	0.240	0.500	5	04/03/2024 21:07	WG2259770
Nitrite	U	P1	0.210	0.500	5	04/03/2024 21:07	WG2259770
Sulfate	1260		11.9	100	20	04/04/2024 10:14	WG2259770

Sample Narrative:

L1721739-11 WG2259770: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00642		0.000180	0.00200	1	04/11/2024 09:41	WG2260468
Arsenic,Dissolved	0.00666		0.000180	0.00200	1	05/03/2024 18:52	WG2278163
Barium	0.0423		0.000381	0.00200	1	04/11/2024 09:41	WG2260468
Barium,Dissolved	0.0424		0.000381	0.00200	1	05/03/2024 18:52	WG2278163
Calcium	262		0.0936	1.00	1	04/11/2024 09:41	WG2260468
Chromium	0.103		0.00124	0.00200	1	04/11/2024 09:41	WG2260468
Chromium,Dissolved	0.105		0.00124	0.00200	1	05/03/2024 18:52	WG2278163
Iron	0.0285	J	0.0281	0.100	1	04/11/2024 09:41	WG2260468
Iron,Dissolved	0.0737	J	0.0281	0.100	1	05/03/2024 18:52	WG2278163
Lead	U		0.000849	0.00200	1	04/11/2024 09:41	WG2260468
Lead,Dissolved	U		0.000849	0.00200	1	05/03/2024 20:31	WG2278163
Manganese	0.275		0.000704	0.00500	1	04/11/2024 09:41	WG2260468
Manganese,Dissolved	0.269		0.000704	0.00500	1	05/03/2024 18:52	WG2278163
Potassium	15.5		0.108	2.00	1	04/11/2024 09:41	WG2260468
Selenium	0.00710		0.000300	0.00200	1	04/11/2024 09:41	WG2260468
Selenium,Dissolved	0.00797		0.000300	0.00200	1	05/03/2024 18:52	WG2278163
Sodium	328		0.376	2.00	1	04/11/2024 09:41	WG2260468

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0669	J	0.0314	0.100	1	04/05/2024 18:17	WG2261366
(S) a,a,a-Trifluorotoluene(FID)	*102*			*78.0-120*		*04/05/2024 18:17*	WG2261366

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		2.26	10.0	200	04/06/2024 03:09	WG2261660
Benzene	U		0.0188	0.200	200	04/06/2024 03:09	WG2261660
Bromodichloromethane	U		0.0272	0.200	200	04/06/2024 03:09	WG2261660
Bromoform	U		0.0258	0.200	200	04/06/2024 03:09	WG2261660
Bromomethane	U		0.121	1.00	200	04/06/2024 03:09	WG2261660
n-Butylbenzene	U		0.0314	0.200	200	04/06/2024 03:09	WG2261660
sec-Butylbenzene	U		0.0250	0.200	200	04/06/2024 03:09	WG2261660
Carbon disulfide	U		0.0192	0.200	200	04/06/2024 03:09	WG2261660
Carbon tetrachloride	U		0.0256	0.200	200	04/06/2024 03:09	WG2261660

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.0232	0.200	200	04/06/2024 03:09	WG2261660
Chlorodibromomethane	U		0.0280	0.200	200	04/06/2024 03:09	WG2261660
Chloroethane	U		0.0384	1.00	200	04/06/2024 03:09	WG2261660
Chloroform	U		0.0222	1.00	200	04/06/2024 03:09	WG2261660
Chloromethane	U		0.192	0.500	200	04/06/2024 03:09	WG2261660
1,2-Dibromoethane	U		0.0252	0.200	200	04/06/2024 03:09	WG2261660
1,1-Dichloroethane	U		0.0200	0.200	200	04/06/2024 03:09	WG2261660
1,2-Dichloroethane	U		0.0164	0.200	200	04/06/2024 03:09	WG2261660
1,1-Dichloroethene	U		0.0376	0.200	200	04/06/2024 03:09	WG2261660
cis-1,2-Dichloroethene	U		0.0252	0.200	200	04/06/2024 03:09	WG2261660
trans-1,2-Dichloroethene	U		0.0298	0.200	200	04/06/2024 03:09	WG2261660
1,2-Dichloropropane	U		0.0298	0.200	200	04/06/2024 03:09	WG2261660
cis-1,3-Dichloropropene	U		0.0222	0.200	200	04/06/2024 03:09	WG2261660
trans-1,3-Dichloropropene	U		0.0236	0.200	200	04/06/2024 03:09	WG2261660
Ethylbenzene	U		0.0274	0.200	200	04/06/2024 03:09	WG2261660
Isopropylbenzene	U		0.0210	0.200	200	04/06/2024 03:09	WG2261660
p-Isopropyltoluene	U		0.0240	0.200	200	04/06/2024 03:09	WG2261660
2-Butanone (MEK)	U		0.238	2.00	200	04/06/2024 03:09	WG2261660
2-Hexanone	U		0.157	2.00	200	04/06/2024 03:09	WG2261660
Methylene Chloride	U		0.0860	1.00	200	04/06/2024 03:09	WG2261660
4-Methyl-2-pentanone (MIBK)	U		0.0956	2.00	200	04/06/2024 03:09	WG2261660
Methyl tert-butyl ether	U		0.0202	0.200	200	04/06/2024 03:09	WG2261660
Naphthalene	U		0.200	1.00	200	04/06/2024 03:09	WG2261660
n-Propylbenzene	U		0.0199	0.200	200	04/06/2024 03:09	WG2261660
Styrene	U		0.0236	0.200	200	04/06/2024 03:09	WG2261660
tert-Butyl alcohol	U		0.812	1.00	200	04/06/2024 03:09	WG2261660
1,1,1,2-Tetrachloroethane	U		0.0294	0.200	200	04/06/2024 03:09	WG2261660
1,1,2,2-Tetrachloroethane	U		0.0266	0.200	200	04/06/2024 03:09	WG2261660
Tetrachloroethene	U		0.0600	0.200	200	04/06/2024 03:09	WG2261660
Toluene	U		0.0556	0.200	200	04/06/2024 03:09	WG2261660
1,1,1-Trichloroethane	U		0.0298	0.200	200	04/06/2024 03:09	WG2261660
1,1,2-Trichloroethane	U		0.0316	0.200	200	04/06/2024 03:09	WG2261660
Trichloroethene	U		0.0380	0.200	200	04/06/2024 03:09	WG2261660
1,2,4-Trimethylbenzene	U		0.0644	0.200	200	04/06/2024 03:09	WG2261660
1,3,5-Trimethylbenzene	U		0.0208	0.200	200	04/06/2024 03:09	WG2261660
Vinyl chloride	U		0.0468	0.200	200	04/06/2024 03:09	WG2261660
o-Xylene	U		0.0348	0.200	200	04/06/2024 03:09	WG2261660
m&p-Xylene	U		0.0860	0.400	200	04/06/2024 03:09	WG2261660
Xylenes, Total	U		0.0348	0.600	200	04/06/2024 03:09	WG2261660
(S) Toluene-d8	*106*			*80.0-120*		*04/06/2024 03:09*	WG2261660
(S) 4-Bromofluorobenzene	*97.2*			*77.0-126*		*04/06/2024 03:09*	WG2261660
(S) 1,2-Dichloroethane-d4	*94.3*			*70.0-130*		*04/06/2024 03:09*	WG2261660

Sample Narrative:

L1721739-11 WG2261660: Dilution due to foam.

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	29.1		0.247	1.00	10	04/09/2024 20:01	WG2262351
(S) o-Terphenyl	*75.5*			*52.0-156*		*04/09/2024 20:01*	WG2262351

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	5650		100	1	04/09/2024 16:58	WG2263011

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1350		3.79	10.0	10	04/04/2024 03:20	WG2259770
Fluoride	7.12		0.640	1.50	10	04/04/2024 03:20	WG2259770
Nitrate	U		0.480	1.00	10	04/04/2024 03:20	WG2259770
Nitrite	U		0.420	1.00	10	04/04/2024 03:20	WG2259770
Sulfate	1840		59.4	500	100	04/04/2024 10:46	WG2259770

Sample Narrative:

L1721739-12 WG2259770: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0863		0.000180	0.00200	1	04/10/2024 22:14	WG2260468
Arsenic,Dissolved	U		0.000180	0.00200	1	04/10/2024 02:02	WG2260454
Barium	0.0143		0.000381	0.00200	1	04/10/2024 22:14	WG2260468
Barium,Dissolved	0.000898	J	0.000381	0.00200	1	04/10/2024 02:02	WG2260454
Calcium	378		0.0936	1.00	1	04/10/2024 22:14	WG2260468
Chromium	U		0.00124	0.00200	1	04/10/2024 22:14	WG2260468
Chromium,Dissolved	0.00224		0.00124	0.00200	1	04/10/2024 02:02	WG2260454
Iron	0.198		0.0281	0.100	1	04/10/2024 22:14	WG2260468
Iron,Dissolved	U		0.0281	0.100	1	04/10/2024 02:02	WG2260454
Lead	U		0.000849	0.00200	1	04/10/2024 22:14	WG2260468
Lead,Dissolved	U		0.000849	0.00200	1	04/10/2024 02:02	WG2260454
Manganese	1.08		0.000704	0.00500	1	04/10/2024 22:14	WG2260468
Manganese,Dissolved	0.00571		0.000704	0.00500	1	04/10/2024 02:02	WG2260454
Potassium	16.9		0.108	2.00	1	04/10/2024 22:14	WG2260468
Selenium	0.00152	J	0.000300	0.00200	1	04/10/2024 22:14	WG2260468
Selenium,Dissolved	U		0.000300	0.00200	1	04/10/2024 02:02	WG2260454
Sodium	1250		1.88	10.0	5	04/11/2024 09:44	WG2260468

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	1.59		0.0314	0.100	1	04/05/2024 18:40	WG2261366
(S) a,a,a-Trifluorotoluene(FID)	*104*			*78.0-120*		*04/05/2024 18:40*	WG2261366

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		2.26	10.0	200	04/06/2024 03:30	WG2261660
Benzene	U		0.0188	0.200	200	04/06/2024 03:30	WG2261660
Bromodichloromethane	U		0.0272	0.200	200	04/06/2024 03:30	WG2261660
Bromoform	U		0.0258	0.200	200	04/06/2024 03:30	WG2261660
Bromomethane	U		0.121	1.00	200	04/06/2024 03:30	WG2261660
n-Butylbenzene	U		0.0314	0.200	200	04/06/2024 03:30	WG2261660
sec-Butylbenzene	U		0.0250	0.200	200	04/06/2024 03:30	WG2261660
Carbon disulfide	U		0.0192	0.200	200	04/06/2024 03:30	WG2261660
Carbon tetrachloride	U		0.0256	0.200	200	04/06/2024 03:30	WG2261660

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.0232	0.200	200	04/06/2024 03:30	WG2261660
Chlorodibromomethane	U		0.0280	0.200	200	04/06/2024 03:30	WG2261660
Chloroethane	U		0.0384	1.00	200	04/06/2024 03:30	WG2261660
Chloroform	U		0.0222	1.00	200	04/06/2024 03:30	WG2261660
Chloromethane	U		0.192	0.500	200	04/06/2024 03:30	WG2261660
1,2-Dibromoethane	U		0.0252	0.200	200	04/06/2024 03:30	WG2261660
1,1-Dichloroethane	U		0.0200	0.200	200	04/06/2024 03:30	WG2261660
1,2-Dichloroethane	U		0.0164	0.200	200	04/06/2024 03:30	WG2261660
1,1-Dichloroethene	U		0.0376	0.200	200	04/06/2024 03:30	WG2261660
cis-1,2-Dichloroethene	U		0.0252	0.200	200	04/06/2024 03:30	WG2261660
trans-1,2-Dichloroethene	U		0.0298	0.200	200	04/06/2024 03:30	WG2261660
1,2-Dichloropropane	U		0.0298	0.200	200	04/06/2024 03:30	WG2261660
cis-1,3-Dichloropropene	U		0.0222	0.200	200	04/06/2024 03:30	WG2261660
trans-1,3-Dichloropropene	U		0.0236	0.200	200	04/06/2024 03:30	WG2261660
Ethylbenzene	U		0.0274	0.200	200	04/06/2024 03:30	WG2261660
Isopropylbenzene	U		0.0210	0.200	200	04/06/2024 03:30	WG2261660
p-Isopropyltoluene	U		0.0240	0.200	200	04/06/2024 03:30	WG2261660
2-Butanone (MEK)	U		0.238	2.00	200	04/06/2024 03:30	WG2261660
2-Hexanone	U		0.157	2.00	200	04/06/2024 03:30	WG2261660
Methylene Chloride	U		0.0860	1.00	200	04/06/2024 03:30	WG2261660
4-Methyl-2-pentanone (MIBK)	U		0.0956	2.00	200	04/06/2024 03:30	WG2261660
Methyl tert-butyl ether	U		0.0202	0.200	200	04/06/2024 03:30	WG2261660
Naphthalene	U		0.200	1.00	200	04/06/2024 03:30	WG2261660
n-Propylbenzene	U		0.0199	0.200	200	04/06/2024 03:30	WG2261660
Styrene	U		0.0236	0.200	200	04/06/2024 03:30	WG2261660
tert-Butyl alcohol	U		0.812	1.00	200	04/06/2024 03:30	WG2261660
1,1,1,2-Tetrachloroethane	U		0.0294	0.200	200	04/06/2024 03:30	WG2261660
1,1,2,2-Tetrachloroethane	U		0.0266	0.200	200	04/06/2024 03:30	WG2261660
Tetrachloroethene	U		0.0600	0.200	200	04/06/2024 03:30	WG2261660
Toluene	U		0.0556	0.200	200	04/06/2024 03:30	WG2261660
1,1,1-Trichloroethane	U		0.0298	0.200	200	04/06/2024 03:30	WG2261660
1,1,2-Trichloroethane	U		0.0316	0.200	200	04/06/2024 03:30	WG2261660
Trichloroethene	U		0.0380	0.200	200	04/06/2024 03:30	WG2261660
1,2,4-Trimethylbenzene	U		0.0644	0.200	200	04/06/2024 03:30	WG2261660
1,3,5-Trimethylbenzene	U		0.0208	0.200	200	04/06/2024 03:30	WG2261660
Vinyl chloride	U		0.0468	0.200	200	04/06/2024 03:30	WG2261660
o-Xylene	U		0.0348	0.200	200	04/06/2024 03:30	WG2261660
m&p-Xylene	U		0.0860	0.400	200	04/06/2024 03:30	WG2261660
Xylenes, Total	U		0.0348	0.600	200	04/06/2024 03:30	WG2261660
(S) Toluene-d8	*106*			*80.0-120*		*04/06/2024 03:30*	WG2261660
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*04/06/2024 03:30*	WG2261660
(S) 1,2-Dichloroethane-d4	*98.2*			*70.0-130*		*04/06/2024 03:30*	WG2261660

Sample Narrative:

L1721739-12 WG2261660: Dilution due to foam.

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	9.52		0.123	0.500	5	04/09/2024 19:16	WG2262351
(S) o-Terphenyl	*63.0*			*52.0-156*		*04/09/2024 19:16*	WG2262351

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3560		100	1	04/07/2024 09:55	WG2260053

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	952		3.79	10.0	10	04/04/2024 03:36	WG2259770
Fluoride	5.84		0.640	1.50	10	04/04/2024 03:36	WG2259770
Nitrate	U		0.480	1.00	10	04/04/2024 03:36	WG2259770
Nitrite	U		0.420	1.00	10	04/04/2024 03:36	WG2259770
Sulfate	1840		5.94	50.0	10	04/04/2024 03:36	WG2259770

Sample Narrative:

L1721739-13 WG2259770: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0261		0.000180	0.00200	1	04/10/2024 22:17	WG2260468
Arsenic,Dissolved	0.0270		0.000180	0.00200	1	05/03/2024 18:15	WG2278163
Barium	0.0222		0.000381	0.00200	1	04/10/2024 22:17	WG2260468
Barium,Dissolved	0.0217		0.000381	0.00200	1	05/03/2024 18:15	WG2278163
Calcium	298		0.0936	1.00	1	04/10/2024 22:17	WG2260468
Chromium	0.00276		0.00124	0.00200	1	04/10/2024 22:17	WG2260468
Chromium,Dissolved	0.00264		0.00124	0.00200	1	05/03/2024 18:15	WG2278163
Iron	0.236		0.0281	0.100	1	04/10/2024 22:17	WG2260468
Iron,Dissolved	0.214		0.0281	0.100	1	05/03/2024 18:15	WG2278163
Lead	U		0.000849	0.00200	1	04/10/2024 22:17	WG2260468
Lead,Dissolved	U		0.000849	0.00200	1	05/03/2024 20:34	WG2278163
Manganese	0.243		0.000704	0.00500	1	04/10/2024 22:17	WG2260468
Manganese,Dissolved	0.242		0.000704	0.00500	1	05/03/2024 18:15	WG2278163
Potassium	28.5		0.108	2.00	1	04/10/2024 22:17	WG2260468
Selenium	0.00312		0.000300	0.00200	1	04/10/2024 22:17	WG2260468
Selenium,Dissolved	0.00306		0.000300	0.00200	1	05/03/2024 18:15	WG2278163
Sodium	726		0.376	2.00	1	04/10/2024 22:17	WG2260468

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.517		0.0314	0.100	1	04/05/2024 19:03	WG2261366
(S) a,a,a-Trifluorotoluene(FID)	*103*			*78.0-120*		*04/05/2024 19:03*	WG2261366

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		2.26	10.0	200	04/06/2024 03:50	WG2261660
Benzene	U		0.0188	0.200	200	04/06/2024 03:50	WG2261660
Bromodichloromethane	U		0.0272	0.200	200	04/06/2024 03:50	WG2261660
Bromoform	U		0.0258	0.200	200	04/06/2024 03:50	WG2261660
Bromomethane	U		0.121	1.00	200	04/06/2024 03:50	WG2261660
n-Butylbenzene	U		0.0314	0.200	200	04/06/2024 03:50	WG2261660
sec-Butylbenzene	U		0.0250	0.200	200	04/06/2024 03:50	WG2261660
Carbon disulfide	U		0.0192	0.200	200	04/06/2024 03:50	WG2261660
Carbon tetrachloride	U		0.0256	0.200	200	04/06/2024 03:50	WG2261660

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.0232	0.200	200	04/06/2024 03:50	WG2261660
Chlorodibromomethane	U		0.0280	0.200	200	04/06/2024 03:50	WG2261660
Chloroethane	U		0.0384	1.00	200	04/06/2024 03:50	WG2261660
Chloroform	U		0.0222	1.00	200	04/06/2024 03:50	WG2261660
Chloromethane	U		0.192	0.500	200	04/06/2024 03:50	WG2261660
1,2-Dibromoethane	U		0.0252	0.200	200	04/06/2024 03:50	WG2261660
1,1-Dichloroethane	U		0.0200	0.200	200	04/06/2024 03:50	WG2261660
1,2-Dichloroethane	U		0.0164	0.200	200	04/06/2024 03:50	WG2261660
1,1-Dichloroethene	U		0.0376	0.200	200	04/06/2024 03:50	WG2261660
cis-1,2-Dichloroethene	U		0.0252	0.200	200	04/06/2024 03:50	WG2261660
trans-1,2-Dichloroethene	U		0.0298	0.200	200	04/06/2024 03:50	WG2261660
1,2-Dichloropropane	U		0.0298	0.200	200	04/06/2024 03:50	WG2261660
cis-1,3-Dichloropropene	U		0.0222	0.200	200	04/06/2024 03:50	WG2261660
trans-1,3-Dichloropropene	U		0.0236	0.200	200	04/06/2024 03:50	WG2261660
Ethylbenzene	U		0.0274	0.200	200	04/06/2024 03:50	WG2261660
Isopropylbenzene	U		0.0210	0.200	200	04/06/2024 03:50	WG2261660
p-Isopropyltoluene	U		0.0240	0.200	200	04/06/2024 03:50	WG2261660
2-Butanone (MEK)	U		0.238	2.00	200	04/06/2024 03:50	WG2261660
2-Hexanone	U		0.157	2.00	200	04/06/2024 03:50	WG2261660
Methylene Chloride	U		0.0860	1.00	200	04/06/2024 03:50	WG2261660
4-Methyl-2-pentanone (MIBK)	U		0.0956	2.00	200	04/06/2024 03:50	WG2261660
Methyl tert-butyl ether	U		0.0202	0.200	200	04/06/2024 03:50	WG2261660
Naphthalene	U		0.200	1.00	200	04/06/2024 03:50	WG2261660
n-Propylbenzene	U		0.0199	0.200	200	04/06/2024 03:50	WG2261660
Styrene	U		0.0236	0.200	200	04/06/2024 03:50	WG2261660
tert-Butyl alcohol	U		0.812	1.00	200	04/06/2024 03:50	WG2261660
1,1,1,2-Tetrachloroethane	U		0.0294	0.200	200	04/06/2024 03:50	WG2261660
1,1,2,2-Tetrachloroethane	U		0.0266	0.200	200	04/06/2024 03:50	WG2261660
Tetrachloroethene	U		0.0600	0.200	200	04/06/2024 03:50	WG2261660
Toluene	U		0.0556	0.200	200	04/06/2024 03:50	WG2261660
1,1,1-Trichloroethane	U		0.0298	0.200	200	04/06/2024 03:50	WG2261660
1,1,2-Trichloroethane	U		0.0316	0.200	200	04/06/2024 03:50	WG2261660
Trichloroethene	U		0.0380	0.200	200	04/06/2024 03:50	WG2261660
1,2,4-Trimethylbenzene	U		0.0644	0.200	200	04/06/2024 03:50	WG2261660
1,3,5-Trimethylbenzene	U		0.0208	0.200	200	04/06/2024 03:50	WG2261660
Vinyl chloride	U		0.0468	0.200	200	04/06/2024 03:50	WG2261660
o-Xylene	U		0.0348	0.200	200	04/06/2024 03:50	WG2261660
m&p-Xylene	U		0.0860	0.400	200	04/06/2024 03:50	WG2261660
Xylenes, Total	U		0.0348	0.600	200	04/06/2024 03:50	WG2261660
(S) Toluene-d8	*104*			*80.0-120*		*04/06/2024 03:50*	WG2261660
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*04/06/2024 03:50*	WG2261660
(S) 1,2-Dichloroethane-d4	*97.4*			*70.0-130*		*04/06/2024 03:50*	WG2261660

Sample Narrative:

L1721739-13 WG2261660: Dilution due to foam.

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	8.61		0.123	0.500	5	04/10/2024 08:34	WG2262351
(S) o-Terphenyl	*60.0*			*52.0-156*		*04/10/2024 08:34*	WG2262351

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	5480		100	1	04/04/2024 17:12	WG2260049

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	1380		3.79	10.0	10	04/03/2024 19:18	WG2259791
Fluoride	2.16		0.640	1.50	10	04/18/2024 19:51	WG2269796
Nitrate	0.979	B J	0.480	1.00	10	04/03/2024 19:18	WG2259791
Nitrite	0.851	B J	0.420	1.00	10	04/03/2024 19:18	WG2259791
Sulfate	1930		59.4	500	100	04/03/2024 19:32	WG2259791

Sample Narrative:

L1721739-14 WG2259791: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.0311		0.000180	0.00200	1	04/10/2024 22:20	WG2260468
Arsenic,Dissolved	0.0331		0.000180	0.00200	1	05/03/2024 18:19	WG2278163
Barium	0.0127		0.000381	0.00200	1	04/10/2024 22:20	WG2260468
Barium,Dissolved	0.0145		0.000381	0.00200	1	05/03/2024 18:19	WG2278163
Calcium	562		0.0936	1.00	1	04/10/2024 22:20	WG2260468
Chromium	U		0.00124	0.00200	1	04/10/2024 22:20	WG2260468
Chromium,Dissolved	U		0.00124	0.00200	1	05/03/2024 18:19	WG2278163
Iron	0.107		0.0281	0.100	1	04/10/2024 22:20	WG2260468
Iron,Dissolved	0.117		0.0281	0.100	1	05/03/2024 18:19	WG2278163
Lead	U		0.000849	0.00200	1	04/10/2024 22:20	WG2260468
Lead,Dissolved	U		0.000849	0.00200	1	05/03/2024 20:37	WG2278163
Manganese	0.851		0.000704	0.00500	1	04/10/2024 22:20	WG2260468
Manganese,Dissolved	0.882		0.000704	0.00500	1	05/03/2024 18:19	WG2278163
Potassium	5.51		0.108	2.00	1	04/10/2024 22:20	WG2260468
Selenium	0.00373		0.000300	0.00200	1	04/10/2024 22:20	WG2260468
Selenium,Dissolved	0.00409		0.000300	0.00200	1	05/03/2024 18:19	WG2278163
Sodium	922		0.376	2.00	1	04/10/2024 22:20	WG2260468

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	0.241		0.0314	0.100	1	04/05/2024 19:26	WG2261366
(S) a,a,a-Trifluorotoluene(FID)	*103*			*78.0-120*		*04/05/2024 19:26*	WG2261366

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		0.0113	0.0500	1	04/06/2024 04:11	WG2261660
Benzene	U		0.0000941	0.00100	1	04/06/2024 04:11	WG2261660
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 04:11	WG2261660
Bromoform	U		0.000129	0.00100	1	04/06/2024 04:11	WG2261660
Bromomethane	U		0.000605	0.00500	1	04/06/2024 04:11	WG2261660
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 04:11	WG2261660
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2024 04:11	WG2261660
Carbon disulfide	U		0.0000962	0.00100	1	04/06/2024 04:11	WG2261660
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 04:11	WG2261660

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 04:11	WG2261660
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 04:11	WG2261660
Chloroethane	U		0.000192	0.00500	1	04/06/2024 04:11	WG2261660
Chloroform	U		0.000111	0.00500	1	04/06/2024 04:11	WG2261660
Chloromethane	U		0.000960	0.00250	1	04/06/2024 04:11	WG2261660
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 04:11	WG2261660
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 04:11	WG2261660
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 04:11	WG2261660
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 04:11	WG2261660
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 04:11	WG2261660
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 04:11	WG2261660
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 04:11	WG2261660
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 04:11	WG2261660
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 04:11	WG2261660
Ethylbenzene	U		0.000137	0.00100	1	04/06/2024 04:11	WG2261660
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2024 04:11	WG2261660
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 04:11	WG2261660
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 04:11	WG2261660
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 04:11	WG2261660
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 04:11	WG2261660
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 04:11	WG2261660
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/06/2024 04:11	WG2261660
Naphthalene	U		0.00100	0.00500	1	04/06/2024 04:11	WG2261660
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2024 04:11	WG2261660
Styrene	U		0.000118	0.00100	1	04/06/2024 04:11	WG2261660
tert-Butyl alcohol	U		0.00406	0.00500	1	04/06/2024 04:11	WG2261660
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 04:11	WG2261660
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 04:11	WG2261660
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 04:11	WG2261660
Toluene	U		0.000278	0.00100	1	04/06/2024 04:11	WG2261660
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 04:11	WG2261660
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 04:11	WG2261660
Trichloroethene	U		0.000190	0.00100	1	04/06/2024 04:11	WG2261660
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2024 04:11	WG2261660
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2024 04:11	WG2261660
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 04:11	WG2261660
o-Xylene	U		0.000174	0.00100	1	04/06/2024 04:11	WG2261660
m&p-Xylene	U		0.000430	0.00200	1	04/06/2024 04:11	WG2261660
Xylenes, Total	U		0.000174	0.00300	1	04/06/2024 04:11	WG2261660
(S) Toluene-d8	*103*			*80.0-120*		*04/06/2024 04:11*	WG2261660
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*04/06/2024 04:11*	WG2261660
(S) 1,2-Dichloroethane-d4	*99.6*			*70.0-130*		*04/06/2024 04:11*	WG2261660

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	8.64		0.0247	0.100	1	04/10/2024 11:27	WG2262352
(S) o-Terphenyl	*109*			*52.0-156*		*04/10/2024 11:27*	WG2262352

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	7600		200	1	04/09/2024 16:58	WG2263011

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1830		37.9	100	100	04/03/2024 19:59	WG2259791
Fluoride	2.09		0.640	1.50	10	04/18/2024 20:04	WG2269796
Nitrate	1.16	B	0.480	1.00	10	04/03/2024 19:45	WG2259791
Nitrite	0.979	B J	0.420	1.00	10	04/03/2024 19:45	WG2259791
Sulfate	2570		59.4	500	100	04/03/2024 19:59	WG2259791

Sample Narrative:

L1721739-15 WG2259791: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00201		0.000180	0.00200	1	04/10/2024 21:13	WG2260468
Arsenic,Dissolved	0.00916		0.000180	0.00200	1	05/03/2024 18:22	WG2278163
Barium	0.0115		0.000381	0.00200	1	04/10/2024 21:13	WG2260468
Barium,Dissolved	0.0118		0.000381	0.00200	1	05/03/2024 18:22	WG2278163
Calcium	377	V	0.0936	1.00	1	04/10/2024 21:13	WG2260468
Chromium	0.00298		0.00124	0.00200	1	04/10/2024 21:13	WG2260468
Chromium,Dissolved	U		0.00124	0.00200	1	05/03/2024 18:22	WG2278163
Iron	U		0.0281	0.100	1	04/10/2024 21:13	WG2260468
Iron,Dissolved	0.0933	J	0.0281	0.100	1	05/03/2024 18:22	WG2278163
Lead	U		0.000849	0.00200	1	04/10/2024 21:13	WG2260468
Lead,Dissolved	U		0.000849	0.00200	1	05/03/2024 20:41	WG2278163
Manganese	0.321		0.000704	0.00500	1	04/10/2024 21:13	WG2260468
Manganese,Dissolved	1.03		0.000704	0.00500	1	05/03/2024 18:22	WG2278163
Potassium	4.18		0.108	2.00	1	04/10/2024 21:13	WG2260468
Selenium	0.00160	J	0.000300	0.00200	1	04/10/2024 21:13	WG2260468
Selenium,Dissolved	U		0.000300	0.00200	1	05/03/2024 18:22	WG2278163
Sodium	874	V	0.376	2.00	1	04/10/2024 21:13	WG2260468

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0880	J	0.0314	0.100	1	04/05/2024 19:49	WG2261366
(S) a,a,a-Trifluorotoluene(FID)	*102*			*78.0-120*		*04/05/2024 19:49*	WG2261366

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 04:31	WG2261660
Benzene	U		0.0000941	0.00100	1	04/06/2024 04:31	WG2261660
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 04:31	WG2261660
Bromoform	U		0.000129	0.00100	1	04/06/2024 04:31	WG2261660
Bromomethane	U		0.000605	0.00500	1	04/06/2024 04:31	WG2261660
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 04:31	WG2261660
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2024 04:31	WG2261660
Carbon disulfide	U		0.0000962	0.00100	1	04/06/2024 04:31	WG2261660
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 04:31	WG2261660

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 04:31	WG2261660
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 04:31	WG2261660
Chloroethane	U		0.000192	0.00500	1	04/06/2024 04:31	WG2261660
Chloroform	U		0.000111	0.00500	1	04/06/2024 04:31	WG2261660
Chloromethane	U		0.000960	0.00250	1	04/06/2024 04:31	WG2261660
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 04:31	WG2261660
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 04:31	WG2261660
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 04:31	WG2261660
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 04:31	WG2261660
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 04:31	WG2261660
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 04:31	WG2261660
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 04:31	WG2261660
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 04:31	WG2261660
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 04:31	WG2261660
Ethylbenzene	U		0.000137	0.00100	1	04/06/2024 04:31	WG2261660
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2024 04:31	WG2261660
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 04:31	WG2261660
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 04:31	WG2261660
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 04:31	WG2261660
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 04:31	WG2261660
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 04:31	WG2261660
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/06/2024 04:31	WG2261660
Naphthalene	U		0.00100	0.00500	1	04/06/2024 04:31	WG2261660
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2024 04:31	WG2261660
Styrene	U		0.000118	0.00100	1	04/06/2024 04:31	WG2261660
tert-Butyl alcohol	U		0.00406	0.00500	1	04/06/2024 04:31	WG2261660
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 04:31	WG2261660
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 04:31	WG2261660
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 04:31	WG2261660
Toluene	U		0.000278	0.00100	1	04/06/2024 04:31	WG2261660
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 04:31	WG2261660
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 04:31	WG2261660
Trichloroethene	U		0.000190	0.00100	1	04/06/2024 04:31	WG2261660
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2024 04:31	WG2261660
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2024 04:31	WG2261660
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 04:31	WG2261660
o-Xylene	U		0.000174	0.00100	1	04/06/2024 04:31	WG2261660
m&p-Xylene	U		0.000430	0.00200	1	04/06/2024 04:31	WG2261660
Xylenes, Total	U		0.000174	0.00300	1	04/06/2024 04:31	WG2261660
(S) Toluene-d8	*103*			*80.0-120*		*04/06/2024 04:31*	WG2261660
(S) 4-Bromofluorobenzene	*100*			*77.0-126*		*04/06/2024 04:31*	WG2261660
(S) 1,2-Dichloroethane-d4	*97.7*			*70.0-130*		*04/06/2024 04:31*	WG2261660

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.728		0.0247	0.100	1	04/10/2024 11:48	WG2262352
(S) o-Terphenyl	*99.5*			*52.0-156*		*04/10/2024 11:48*	WG2262352

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4730		100	1	04/04/2024 14:00	WG2260028

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1610		3.79	10.0	10	04/03/2024 20:13	WG2259791
Fluoride	1.29	J	0.640	1.50	10	04/03/2024 20:13	WG2259791
Nitrate	1.01	B	0.480	1.00	10	04/03/2024 20:13	WG2259791
Nitrite	0.713	B J	0.420	1.00	10	04/03/2024 20:13	WG2259791
Sulfate	1870		5.94	50.0	10	04/03/2024 20:13	WG2259791

Sample Narrative:

L1721739-16 WG2259791: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00942		0.000180	0.00200	1	04/11/2024 10:41	WG2260468
Arsenic,Dissolved	0.0241		0.000180	0.00200	1	05/03/2024 18:25	WG2278163
Barium	0.0114		0.000381	0.00200	1	04/11/2024 10:41	WG2260468
Barium,Dissolved	0.0116		0.000381	0.00200	1	05/03/2024 18:25	WG2278163
Calcium	437		0.0936	1.00	1	04/11/2024 10:41	WG2260468
Chromium	U		0.00124	0.00200	1	04/11/2024 10:41	WG2260468
Chromium,Dissolved	U		0.00124	0.00200	1	05/03/2024 18:25	WG2278163
Iron	0.104		0.0281	0.100	1	04/11/2024 10:41	WG2260468
Iron,Dissolved	0.0839	J	0.0281	0.100	1	05/03/2024 18:25	WG2278163
Lead	U		0.000849	0.00200	1	04/11/2024 10:41	WG2260468
Lead,Dissolved	U		0.000849	0.00200	1	05/03/2024 20:44	WG2278163
Manganese	1.09		0.000704	0.00500	1	04/11/2024 10:41	WG2260468
Manganese,Dissolved	0.357		0.000704	0.00500	1	05/03/2024 18:25	WG2278163
Potassium	3.35		0.108	2.00	1	04/11/2024 10:41	WG2260468
Selenium	0.000367	J	0.000300	0.00200	1	04/11/2024 10:41	WG2260468
Selenium,Dissolved	0.00150	J	0.000300	0.00200	1	05/03/2024 18:25	WG2278163
Sodium	1570		1.88	10.0	5	04/11/2024 09:47	WG2260468

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	1.13		0.0314	0.100	1	04/05/2024 20:12	WG2261366
(S) a,a,a-Trifluorotoluene(FID)	*103*			*78.0-120*		*04/05/2024 20:12*	WG2261366

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 04:52	WG2261660
Benzene	U		0.0000941	0.00100	1	04/06/2024 04:52	WG2261660
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 04:52	WG2261660
Bromoform	U		0.000129	0.00100	1	04/06/2024 04:52	WG2261660
Bromomethane	U		0.000605	0.00500	1	04/06/2024 04:52	WG2261660
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 04:52	WG2261660
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2024 04:52	WG2261660
Carbon disulfide	U		0.0000962	0.00100	1	04/06/2024 04:52	WG2261660
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 04:52	WG2261660

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 04:52	WG2261660
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 04:52	WG2261660
Chloroethane	U		0.000192	0.00500	1	04/06/2024 04:52	WG2261660
Chloroform	U		0.000111	0.00500	1	04/06/2024 04:52	WG2261660
Chloromethane	U		0.000960	0.00250	1	04/06/2024 04:52	WG2261660
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 04:52	WG2261660
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 04:52	WG2261660
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 04:52	WG2261660
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 04:52	WG2261660
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 04:52	WG2261660
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 04:52	WG2261660
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 04:52	WG2261660
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 04:52	WG2261660
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 04:52	WG2261660
Ethylbenzene	U		0.000137	0.00100	1	04/06/2024 04:52	WG2261660
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2024 04:52	WG2261660
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 04:52	WG2261660
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 04:52	WG2261660
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 04:52	WG2261660
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 04:52	WG2261660
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 04:52	WG2261660
Methyl tert-butyl ether	0.00203		0.000101	0.00100	1	04/06/2024 04:52	WG2261660
Naphthalene	U		0.00100	0.00500	1	04/06/2024 04:52	WG2261660
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2024 04:52	WG2261660
Styrene	U		0.000118	0.00100	1	04/06/2024 04:52	WG2261660
tert-Butyl alcohol	U		0.00406	0.00500	1	04/06/2024 04:52	WG2261660
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 04:52	WG2261660
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 04:52	WG2261660
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 04:52	WG2261660
Toluene	U		0.000278	0.00100	1	04/06/2024 04:52	WG2261660
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 04:52	WG2261660
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 04:52	WG2261660
Trichloroethene	U		0.000190	0.00100	1	04/06/2024 04:52	WG2261660
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2024 04:52	WG2261660
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2024 04:52	WG2261660
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 04:52	WG2261660
o-Xylene	U		0.000174	0.00100	1	04/06/2024 04:52	WG2261660
m&p-Xylene	U		0.000430	0.00200	1	04/06/2024 04:52	WG2261660
Xylenes, Total	U		0.000174	0.00300	1	04/06/2024 04:52	WG2261660
(S) Toluene-d8	*102*			*80.0-120*		*04/06/2024 04:52*	WG2261660
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*04/06/2024 04:52*	WG2261660
(S) 1,2-Dichloroethane-d4	*99.6*			*70.0-130*		*04/06/2024 04:52*	WG2261660

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	4.45		0.0247	0.100	1	04/10/2024 12:09	WG2262352
(S) o-Terphenyl	*106*			*52.0-156*		*04/10/2024 12:09*	WG2262352

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	5720		100	1	04/05/2024 17:17	WG2260037

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1570		3.79	10.0	10	04/03/2024 20:40	WG2259791
Fluoride	1.28	J	0.640	1.50	10	04/03/2024 20:40	WG2259791
Nitrate	0.871	B J	0.480	1.00	10	04/03/2024 20:40	WG2259791
Nitrite	0.685	B J	0.420	1.00	10	04/03/2024 20:40	WG2259791
Sulfate	1830		5.94	50.0	10	04/03/2024 20:40	WG2259791

Sample Narrative:

L1721739-17 WG2259791: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0237		0.000180	0.00200	1	04/11/2024 10:45	WG2260468
Arsenic,Dissolved	0.0232		0.000180	0.00200	1	05/03/2024 18:29	WG2278163
Barium	0.0112		0.000381	0.00200	1	04/11/2024 10:45	WG2260468
Barium,Dissolved	0.0111		0.000381	0.00200	1	05/03/2024 18:29	WG2278163
Calcium	383		0.0936	1.00	1	04/11/2024 10:45	WG2260468
Chromium	U		0.00124	0.00200	1	04/11/2024 10:45	WG2260468
Chromium,Dissolved	U		0.00124	0.00200	1	05/03/2024 18:29	WG2278163
Iron	0.0805	J	0.0281	0.100	1	04/11/2024 10:45	WG2260468
Iron,Dissolved	0.0858	J	0.0281	0.100	1	05/03/2024 18:29	WG2278163
Lead	U		0.000849	0.00200	1	04/11/2024 10:45	WG2260468
Lead,Dissolved	U		0.000849	0.00200	1	05/03/2024 20:54	WG2278163
Manganese	0.365		0.000704	0.00500	1	04/11/2024 10:45	WG2260468
Manganese,Dissolved	0.365		0.000704	0.00500	1	05/03/2024 18:29	WG2278163
Potassium	3.18		0.108	2.00	1	04/11/2024 10:45	WG2260468
Selenium	0.00169	J	0.000300	0.00200	1	04/11/2024 10:45	WG2260468
Selenium,Dissolved	0.00195	J	0.000300	0.00200	1	05/03/2024 18:29	WG2278163
Sodium	1340		1.88	10.0	5	04/11/2024 09:51	WG2260468

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	1.18		0.0314	0.100	1	04/05/2024 20:34	WG2261366
(S) a,a,a-Trifluorotoluene(FID)	*103*			*78.0-120*		*04/05/2024 20:34*	WG2261366

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 05:13	WG2261660
Benzene	U		0.0000941	0.00100	1	04/06/2024 05:13	WG2261660
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 05:13	WG2261660
Bromoform	U		0.000129	0.00100	1	04/06/2024 05:13	WG2261660
Bromomethane	U		0.000605	0.00500	1	04/06/2024 05:13	WG2261660
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 05:13	WG2261660
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2024 05:13	WG2261660
Carbon disulfide	U		0.0000962	0.00100	1	04/06/2024 05:13	WG2261660
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 05:13	WG2261660

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 05:13	WG2261660
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 05:13	WG2261660
Chloroethane	U		0.000192	0.00500	1	04/06/2024 05:13	WG2261660
Chloroform	U		0.000111	0.00500	1	04/06/2024 05:13	WG2261660
Chloromethane	U		0.000960	0.00250	1	04/06/2024 05:13	WG2261660
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 05:13	WG2261660
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 05:13	WG2261660
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 05:13	WG2261660
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 05:13	WG2261660
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 05:13	WG2261660
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 05:13	WG2261660
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 05:13	WG2261660
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 05:13	WG2261660
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 05:13	WG2261660
Ethylbenzene	U		0.000137	0.00100	1	04/06/2024 05:13	WG2261660
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2024 05:13	WG2261660
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 05:13	WG2261660
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 05:13	WG2261660
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 05:13	WG2261660
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 05:13	WG2261660
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 05:13	WG2261660
Methyl tert-butyl ether	0.00184		0.000101	0.00100	1	04/06/2024 05:13	WG2261660
Naphthalene	U		0.00100	0.00500	1	04/06/2024 05:13	WG2261660
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2024 05:13	WG2261660
Styrene	U		0.000118	0.00100	1	04/06/2024 05:13	WG2261660
tert-Butyl alcohol	U		0.00406	0.00500	1	04/06/2024 05:13	WG2261660
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 05:13	WG2261660
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 05:13	WG2261660
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 05:13	WG2261660
Toluene	U		0.000278	0.00100	1	04/06/2024 05:13	WG2261660
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 05:13	WG2261660
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 05:13	WG2261660
Trichloroethene	U		0.000190	0.00100	1	04/06/2024 05:13	WG2261660
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2024 05:13	WG2261660
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2024 05:13	WG2261660
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 05:13	WG2261660
o-Xylene	U		0.000174	0.00100	1	04/06/2024 05:13	WG2261660
m&p-Xylene	U		0.000430	0.00200	1	04/06/2024 05:13	WG2261660
Xylenes, Total	U		0.000174	0.00300	1	04/06/2024 05:13	WG2261660
(S) Toluene-d8	*104*			*80.0-120*		*04/06/2024 05:13*	WG2261660
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*04/06/2024 05:13*	WG2261660
(S) 1,2-Dichloroethane-d4	*92.5*			*70.0-130*		*04/06/2024 05:13*	WG2261660

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	4.38		0.0247	0.100	1	04/10/2024 12:30	WG2262352
(S) o-Terphenyl	*23.6*	J2		*52.0-156*		*04/10/2024 12:30*	WG2262352

Sample Narrative:

L1721739-17 WG2262352: Surrogate failure due to matrix interference

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	5030		100	1	04/04/2024 14:00	WG2260028

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1250		3.79	10.0	10	04/03/2024 21:33	WG2259791
Fluoride	2.16		0.640	1.50	10	04/03/2024 21:33	WG2259791
Nitrate	0.899	B J	0.480	1.00	10	04/03/2024 21:33	WG2259791
Nitrite	1.22	B	0.420	1.00	10	04/03/2024 21:33	WG2259791
Sulfate	1870		5.94	50.0	10	04/03/2024 21:33	WG2259791

Sample Narrative:

L1721739-18 WG2259791: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0231		0.000180	0.00200	1	04/11/2024 10:48	WG2260468
Arsenic,Dissolved	0.0326		0.000180	0.00200	1	05/03/2024 18:32	WG2278163
Barium	0.0103		0.000381	0.00200	1	04/11/2024 10:48	WG2260468
Barium,Dissolved	0.0143		0.000381	0.00200	1	05/03/2024 18:32	WG2278163
Calcium	386		0.0936	1.00	1	04/11/2024 10:48	WG2260468
Chromium	U		0.00124	0.00200	1	04/11/2024 10:48	WG2260468
Chromium,Dissolved	U		0.00124	0.00200	1	05/03/2024 18:32	WG2278163
Iron	0.0790	J	0.0281	0.100	1	04/11/2024 10:48	WG2260468
Iron,Dissolved	0.0914	J	0.0281	0.100	1	05/03/2024 18:32	WG2278163
Lead	U		0.000849	0.00200	1	04/11/2024 10:48	WG2260468
Lead,Dissolved	U		0.000849	0.00200	1	05/03/2024 20:57	WG2278163
Manganese	0.360		0.000704	0.00500	1	04/11/2024 10:48	WG2260468
Manganese,Dissolved	0.893		0.000704	0.00500	1	05/03/2024 18:32	WG2278163
Potassium	3.10		0.108	2.00	1	04/11/2024 10:48	WG2260468
Selenium	0.00165	J	0.000300	0.00200	1	04/11/2024 10:48	WG2260468
Selenium,Dissolved	0.00324		0.000300	0.00200	1	05/03/2024 18:32	WG2278163
Sodium	1340		1.88	10.0	5	04/11/2024 10:06	WG2260468

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.247		0.0314	0.100	1	04/05/2024 20:57	WG2261366
(S) a,a,a-Trifluorotoluene(FID)	*103*			*78.0-120*		*04/05/2024 20:57*	WG2261366

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 05:34	WG2261660
Benzene	U		0.0000941	0.00100	1	04/06/2024 05:34	WG2261660
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 05:34	WG2261660
Bromoform	U		0.000129	0.00100	1	04/06/2024 05:34	WG2261660
Bromomethane	U		0.000605	0.00500	1	04/06/2024 05:34	WG2261660
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 05:34	WG2261660
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2024 05:34	WG2261660
Carbon disulfide	U		0.0000962	0.00100	1	04/06/2024 05:34	WG2261660
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 05:34	WG2261660

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 05:34	WG2261660
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 05:34	WG2261660
Chloroethane	U		0.000192	0.00500	1	04/06/2024 05:34	WG2261660
Chloroform	U		0.000111	0.00500	1	04/06/2024 05:34	WG2261660
Chloromethane	U		0.000960	0.00250	1	04/06/2024 05:34	WG2261660
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 05:34	WG2261660
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 05:34	WG2261660
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 05:34	WG2261660
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 05:34	WG2261660
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 05:34	WG2261660
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 05:34	WG2261660
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 05:34	WG2261660
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 05:34	WG2261660
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 05:34	WG2261660
Ethylbenzene	U		0.000137	0.00100	1	04/06/2024 05:34	WG2261660
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2024 05:34	WG2261660
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 05:34	WG2261660
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 05:34	WG2261660
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 05:34	WG2261660
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 05:34	WG2261660
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 05:34	WG2261660
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/06/2024 05:34	WG2261660
Naphthalene	U		0.00100	0.00500	1	04/06/2024 05:34	WG2261660
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2024 05:34	WG2261660
Styrene	U		0.000118	0.00100	1	04/06/2024 05:34	WG2261660
tert-Butyl alcohol	0.00470	J	0.00406	0.00500	1	04/06/2024 05:34	WG2261660
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 05:34	WG2261660
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 05:34	WG2261660
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 05:34	WG2261660
Toluene	U		0.000278	0.00100	1	04/06/2024 05:34	WG2261660
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 05:34	WG2261660
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 05:34	WG2261660
Trichloroethene	U		0.000190	0.00100	1	04/06/2024 05:34	WG2261660
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2024 05:34	WG2261660
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2024 05:34	WG2261660
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 05:34	WG2261660
o-Xylene	U		0.000174	0.00100	1	04/06/2024 05:34	WG2261660
m&p-Xylene	U		0.000430	0.00200	1	04/06/2024 05:34	WG2261660
Xylenes, Total	U		0.000174	0.00300	1	04/06/2024 05:34	WG2261660
(S) Toluene-d8	*105*			*80.0-120*		*04/06/2024 05:34*	WG2261660
(S) 4-Bromofluorobenzene	*98.8*			*77.0-126*		*04/06/2024 05:34*	WG2261660
(S) 1,2-Dichloroethane-d4	*96.8*			*70.0-130*		*04/06/2024 05:34*	WG2261660

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	8.59		0.0247	0.100	1	04/10/2024 12:51	WG2262352
(S) o-Terphenyl	*107*			*52.0-156*		*04/10/2024 12:51*	WG2262352

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4240		100	1	04/05/2024 17:17	WG2260037

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1350		3.79	10.0	10	04/03/2024 21:58	WG2259791
Fluoride	1.21	J	0.640	1.50	10	04/03/2024 21:58	WG2259791
Nitrate	0.839	B J	0.480	1.00	10	04/03/2024 21:58	WG2259791
Nitrite	0.905	B J	0.420	1.00	10	04/03/2024 21:58	WG2259791
Sulfate	1630		5.94	50.0	10	04/03/2024 21:58	WG2259791

Sample Narrative:

L1721739-19 WG2259791: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0301		0.000180	0.00200	1	04/11/2024 10:09	WG2260468
Arsenic,Dissolved	0.00888		0.000180	0.00200	1	04/10/2024 12:47	WG2260454
Barium	0.0139		0.000381	0.00200	1	04/11/2024 10:09	WG2260468
Barium,Dissolved	0.0102		0.000381	0.00200	1	04/10/2024 12:47	WG2260454
Calcium	540		0.0936	1.00	1	04/11/2024 10:09	WG2260468
Chromium	U		0.00124	0.00200	1	04/11/2024 10:09	WG2260468
Chromium,Dissolved	U		0.00124	0.00200	1	04/10/2024 12:47	WG2260454
Iron	0.0929	J	0.0281	0.100	1	04/11/2024 10:09	WG2260468
Iron,Dissolved	0.123		0.0281	0.100	1	04/10/2024 12:47	WG2260454
Lead	U		0.000849	0.00200	1	04/11/2024 10:09	WG2260468
Lead,Dissolved	U		0.000849	0.00200	1	04/10/2024 12:47	WG2260454
Manganese	0.867		0.000704	0.00500	1	04/11/2024 10:09	WG2260468
Manganese,Dissolved	1.02		0.000704	0.00500	1	04/10/2024 12:47	WG2260454
Potassium	5.64		0.108	2.00	1	04/11/2024 10:09	WG2260468
Selenium	0.00395		0.000300	0.00200	1	04/11/2024 10:09	WG2260468
Selenium,Dissolved	U		0.000300	0.00200	1	04/10/2024 12:47	WG2260454
Sodium	952		0.376	2.00	1	04/11/2024 10:09	WG2260468

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 05:54	WG2261660
Benzene	U		0.0000941	0.00100	1	04/06/2024 05:54	WG2261660
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 05:54	WG2261660
Bromoform	U		0.000129	0.00100	1	04/06/2024 05:54	WG2261660
Bromomethane	U		0.000605	0.00500	1	04/06/2024 05:54	WG2261660
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 05:54	WG2261660
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2024 05:54	WG2261660
Carbon disulfide	U		0.0000962	0.00100	1	04/06/2024 05:54	WG2261660
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 05:54	WG2261660
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 05:54	WG2261660
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 05:54	WG2261660
Chloroethane	U		0.000192	0.00500	1	04/06/2024 05:54	WG2261660
Chloroform	U		0.000111	0.00500	1	04/06/2024 05:54	WG2261660
Chloromethane	U		0.000960	0.00250	1	04/06/2024 05:54	WG2261660
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 05:54	WG2261660
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 05:54	WG2261660

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 05:54	WG2261660
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 05:54	WG2261660
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 05:54	WG2261660
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 05:54	WG2261660
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 05:54	WG2261660
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 05:54	WG2261660
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 05:54	WG2261660
Ethylbenzene	U		0.000137	0.00100	1	04/06/2024 05:54	WG2261660
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2024 05:54	WG2261660
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 05:54	WG2261660
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 05:54	WG2261660
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 05:54	WG2261660
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 05:54	WG2261660
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 05:54	WG2261660
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/06/2024 05:54	WG2261660
Naphthalene	U		0.00100	0.00500	1	04/06/2024 05:54	WG2261660
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2024 05:54	WG2261660
Styrene	U		0.000118	0.00100	1	04/06/2024 05:54	WG2261660
tert-Butyl alcohol	U		0.00406	0.00500	1	04/06/2024 05:54	WG2261660
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 05:54	WG2261660
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 05:54	WG2261660
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 05:54	WG2261660
Toluene	U		0.000278	0.00100	1	04/06/2024 05:54	WG2261660
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 05:54	WG2261660
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 05:54	WG2261660
Trichloroethene	U		0.000190	0.00100	1	04/06/2024 05:54	WG2261660
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2024 05:54	WG2261660
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2024 05:54	WG2261660
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 05:54	WG2261660
o-Xylene	U		0.000174	0.00100	1	04/06/2024 05:54	WG2261660
m&p-Xylene	U		0.000430	0.00200	1	04/06/2024 05:54	WG2261660
Xylenes, Total	U		0.000174	0.00300	1	04/06/2024 05:54	WG2261660
(S) Toluene-d8	*105*			*80.0-120*		*04/06/2024 05:54*	WG2261660
(S) 4-Bromofluorobenzene	*93.3*			*77.0-126*		*04/06/2024 05:54*	WG2261660
(S) 1,2-Dichloroethane-d4	*93.9*			*70.0-130*		*04/06/2024 05:54*	WG2261660

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0721	J	0.0247	0.100	1	04/14/2024 14:16	WG2262352
(S) o-Terphenyl	*81.6*			*52.0-156*		*04/14/2024 14:16*	WG2262352

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4490		100	1	04/04/2024 14:00	WG2260028

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1310		3.79	10.0	10	04/03/2024 22:24	WG2259791
Fluoride	0.941	J	0.640	1.50	10	04/03/2024 22:24	WG2259791
Nitrate	0.935	B J	0.480	1.00	10	04/03/2024 22:24	WG2259791
Nitrite	3.95	B	0.420	1.00	10	04/03/2024 22:24	WG2259791
Sulfate	1830		5.94	50.0	10	04/03/2024 22:24	WG2259791

Sample Narrative:

L1721739-20 WG2259791: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00120	J	0.000180	0.00200	1	04/11/2024 10:12	WG2260468
Arsenic,Dissolved	0.00216		0.000180	0.00200	1	04/10/2024 00:50	WG2260454
Barium	0.0241		0.000381	0.00200	1	04/11/2024 10:12	WG2260468
Barium,Dissolved	0.0122		0.000381	0.00200	1	04/10/2024 00:50	WG2260454
Calcium	586		0.0936	1.00	1	04/11/2024 10:12	WG2260468
Chromium	U		0.00124	0.00200	1	04/11/2024 10:12	WG2260468
Chromium,Dissolved	U		0.00124	0.00200	1	04/10/2024 00:50	WG2260454
Iron	2.21		0.0281	0.100	1	04/11/2024 10:12	WG2260468
Iron,Dissolved	U		0.0281	0.100	1	04/10/2024 00:50	WG2260454
Lead	U		0.000849	0.00200	1	04/11/2024 10:12	WG2260468
Lead,Dissolved	U		0.000849	0.00200	1	04/10/2024 00:50	WG2260454
Manganese	1.60		0.000704	0.00500	1	04/11/2024 10:12	WG2260468
Manganese,Dissolved	0.378		0.000704	0.00500	1	04/10/2024 00:50	WG2260454
Potassium	4.10		0.108	2.00	1	04/11/2024 10:12	WG2260468
Selenium	U		0.000300	0.00200	1	04/11/2024 10:12	WG2260468
Selenium,Dissolved	0.00150	J	0.000300	0.00200	1	04/10/2024 00:50	WG2260454
Sodium	740		0.376	2.00	1	04/11/2024 10:12	WG2260468

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 06:15	WG2261660
Benzene	U		0.0000941	0.00100	1	04/06/2024 06:15	WG2261660
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 06:15	WG2261660
Bromoform	U		0.000129	0.00100	1	04/06/2024 06:15	WG2261660
Bromomethane	U		0.000605	0.00500	1	04/06/2024 06:15	WG2261660
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 06:15	WG2261660
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2024 06:15	WG2261660
Carbon disulfide	U		0.0000962	0.00100	1	04/06/2024 06:15	WG2261660
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 06:15	WG2261660
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 06:15	WG2261660
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 06:15	WG2261660
Chloroethane	U		0.000192	0.00500	1	04/06/2024 06:15	WG2261660
Chloroform	U		0.000111	0.00500	1	04/06/2024 06:15	WG2261660
Chloromethane	U		0.000960	0.00250	1	04/06/2024 06:15	WG2261660
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 06:15	WG2261660
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 06:15	WG2261660

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 06:15	WG2261660
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 06:15	WG2261660
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 06:15	WG2261660
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 06:15	WG2261660
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 06:15	WG2261660
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 06:15	WG2261660
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 06:15	WG2261660
Ethylbenzene	U		0.000137	0.00100	1	04/06/2024 06:15	WG2261660
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2024 06:15	WG2261660
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 06:15	WG2261660
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 06:15	WG2261660
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 06:15	WG2261660
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 06:15	WG2261660
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 06:15	WG2261660
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/06/2024 06:15	WG2261660
Naphthalene	U		0.00100	0.00500	1	04/06/2024 06:15	WG2261660
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2024 06:15	WG2261660
Styrene	U		0.000118	0.00100	1	04/06/2024 06:15	WG2261660
tert-Butyl alcohol	U		0.00406	0.00500	1	04/06/2024 06:15	WG2261660
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 06:15	WG2261660
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 06:15	WG2261660
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 06:15	WG2261660
Toluene	U		0.000278	0.00100	1	04/06/2024 06:15	WG2261660
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 06:15	WG2261660
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 06:15	WG2261660
Trichloroethene	U		0.000190	0.00100	1	04/06/2024 06:15	WG2261660
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2024 06:15	WG2261660
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2024 06:15	WG2261660
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 06:15	WG2261660
o-Xylene	U		0.000174	0.00100	1	04/06/2024 06:15	WG2261660
m&p-Xylene	U		0.000430	0.00200	1	04/06/2024 06:15	WG2261660
Xylenes, Total	U		0.000174	0.00300	1	04/06/2024 06:15	WG2261660
(S) Toluene-d8	*106*			*80.0-120*		*04/06/2024 06:15*	WG2261660
(S) 4-Bromofluorobenzene	*93.1*			*77.0-126*		*04/06/2024 06:15*	WG2261660
(S) 1,2-Dichloroethane-d4	*95.9*			*70.0-130*		*04/06/2024 06:15*	WG2261660

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0979	J	0.0247	0.100	1	04/10/2024 13:33	WG2262352
(S) o-Terphenyl	*82.6*			*52.0-156*		*04/10/2024 13:33*	WG2262352

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3590		100	1	04/05/2024 17:17	WG2260037

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1160		3.79	10.0	10	04/03/2024 22:50	WG2259791
Fluoride	2.13		0.640	1.50	10	04/03/2024 22:50	WG2259791
Nitrate	1.71	B	0.480	1.00	10	04/03/2024 22:50	WG2259791
Nitrite	3.40	B	0.420	1.00	10	04/03/2024 22:50	WG2259791
Sulfate	1620		5.94	50.0	10	04/03/2024 22:50	WG2259791

Sample Narrative:

L1721739-21 WG2259791: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0180		0.000180	0.00200	1	04/10/2024 18:16	WG2260469
Arsenic,Dissolved	0.0171		0.000180	0.00200	1	04/10/2024 17:33	WG2260457
Barium	0.0182		0.000381	0.00200	1	04/10/2024 18:16	WG2260469
Barium,Dissolved	0.0190		0.000381	0.00200	1	04/10/2024 17:33	WG2260457
Calcium	515		0.0936	1.00	1	04/10/2024 18:16	WG2260469
Chromium	0.00272		0.00124	0.00200	1	04/10/2024 18:16	WG2260469
Chromium,Dissolved	U		0.00124	0.00200	1	04/10/2024 17:33	WG2260457
Iron	0.0314	J	0.0281	0.100	1	04/10/2024 18:16	WG2260469
Iron,Dissolved	U		0.0281	0.100	1	04/10/2024 17:33	WG2260457
Lead	U		0.000849	0.00200	1	04/10/2024 18:16	WG2260469
Lead,Dissolved	U		0.000849	0.00200	1	04/10/2024 17:33	WG2260457
Manganese	0.0705		0.000704	0.00500	1	04/10/2024 18:16	WG2260469
Manganese,Dissolved	0.0487		0.000704	0.00500	1	04/10/2024 17:33	WG2260457
Potassium	5.02		0.108	2.00	1	04/10/2024 18:16	WG2260469
Selenium	0.000710	J	0.000300	0.00200	1	04/10/2024 18:16	WG2260469
Selenium,Dissolved	0.000736	J	0.000300	0.00200	1	04/10/2024 17:33	WG2260457
Sodium	655		0.376	2.00	1	04/10/2024 18:16	WG2260469

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0324	J	0.0314	0.100	1	04/05/2024 21:20	WG2261366
(S) a,a,a-Trifluorotoluene(FID)	*102*			*78.0-120*		*04/05/2024 21:20*	WG2261366

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 06:36	WG2261660
Benzene	U		0.0000941	0.00100	1	04/06/2024 06:36	WG2261660
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 06:36	WG2261660
Bromoform	U		0.000129	0.00100	1	04/06/2024 06:36	WG2261660
Bromomethane	U		0.000605	0.00500	1	04/06/2024 06:36	WG2261660
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 06:36	WG2261660
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2024 06:36	WG2261660
Carbon disulfide	U		0.0000962	0.00100	1	04/06/2024 06:36	WG2261660
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 06:36	WG2261660

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 06:36	WG2261660
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 06:36	WG2261660
Chloroethane	U		0.000192	0.00500	1	04/06/2024 06:36	WG2261660
Chloroform	U		0.000111	0.00500	1	04/06/2024 06:36	WG2261660
Chloromethane	U		0.000960	0.00250	1	04/06/2024 06:36	WG2261660
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 06:36	WG2261660
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 06:36	WG2261660
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 06:36	WG2261660
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 06:36	WG2261660
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 06:36	WG2261660
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 06:36	WG2261660
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 06:36	WG2261660
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 06:36	WG2261660
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 06:36	WG2261660
Ethylbenzene	U		0.000137	0.00100	1	04/06/2024 06:36	WG2261660
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2024 06:36	WG2261660
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 06:36	WG2261660
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 06:36	WG2261660
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 06:36	WG2261660
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 06:36	WG2261660
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 06:36	WG2261660
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/06/2024 06:36	WG2261660
Naphthalene	U		0.00100	0.00500	1	04/06/2024 06:36	WG2261660
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2024 06:36	WG2261660
Styrene	U		0.000118	0.00100	1	04/06/2024 06:36	WG2261660
tert-Butyl alcohol	U		0.00406	0.00500	1	04/06/2024 06:36	WG2261660
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 06:36	WG2261660
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 06:36	WG2261660
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 06:36	WG2261660
Toluene	U		0.000278	0.00100	1	04/06/2024 06:36	WG2261660
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 06:36	WG2261660
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 06:36	WG2261660
Trichloroethene	U		0.000190	0.00100	1	04/06/2024 06:36	WG2261660
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2024 06:36	WG2261660
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2024 06:36	WG2261660
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 06:36	WG2261660
o-Xylene	U		0.000174	0.00100	1	04/06/2024 06:36	WG2261660
m&p-Xylene	U		0.000430	0.00200	1	04/06/2024 06:36	WG2261660
Xylenes, Total	U		0.000174	0.00300	1	04/06/2024 06:36	WG2261660
(S) Toluene-d8	*106*			*80.0-120*		*04/06/2024 06:36*	WG2261660
(S) 4-Bromofluorobenzene	*98.4*			*77.0-126*		*04/06/2024 06:36*	WG2261660
(S) 1,2-Dichloroethane-d4	*94.9*			*70.0-130*		*04/06/2024 06:36*	WG2261660

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.459		0.0247	0.100	1	04/10/2024 13:54	WG2262352
(S) o-Terphenyl	*100*			*52.0-156*		*04/10/2024 13:54*	WG2262352

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	9020		200	1	04/05/2024 17:17	WG2260037

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	3440		37.9	100	100	04/03/2024 23:29	WG2259791
Fluoride	2.10		0.640	1.50	10	04/03/2024 23:16	WG2259791
Nitrate	1.72	B	0.480	1.00	10	04/03/2024 23:16	WG2259791
Nitrite	3.26	B	0.420	1.00	10	04/03/2024 23:16	WG2259791
Sulfate	4110		59.4	500	100	04/03/2024 23:29	WG2259791

Sample Narrative:

L1721739-22 WG2259791: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00457		0.000180	0.00200	1	04/10/2024 18:20	WG2260469
Arsenic,Dissolved	0.00441		0.000180	0.00200	1	04/10/2024 17:37	WG2260457
Barium	0.0132		0.000381	0.00200	1	04/10/2024 18:20	WG2260469
Barium,Dissolved	0.0141		0.000381	0.00200	1	04/10/2024 17:37	WG2260457
Calcium	635		0.0936	1.00	1	04/10/2024 18:20	WG2260469
Chromium	U		0.00124	0.00200	1	04/10/2024 18:20	WG2260469
Chromium,Dissolved	U		0.00124	0.00200	1	04/10/2024 17:37	WG2260457
Iron	0.0869	J	0.0281	0.100	1	04/10/2024 18:20	WG2260469
Iron,Dissolved	U		0.0281	0.100	1	04/10/2024 17:37	WG2260457
Lead	U		0.000849	0.00200	1	04/10/2024 18:20	WG2260469
Lead,Dissolved	U		0.000849	0.00200	1	04/10/2024 17:37	WG2260457
Manganese	0.0499		0.000704	0.00500	1	04/10/2024 18:20	WG2260469
Manganese,Dissolved	0.0293		0.000704	0.00500	1	04/10/2024 17:37	WG2260457
Potassium	21.9		0.108	2.00	1	04/10/2024 18:20	WG2260469
Selenium	U		0.000300	0.00200	1	04/10/2024 18:20	WG2260469
Selenium,Dissolved	0.000498	J	0.000300	0.00200	1	04/10/2024 17:37	WG2260457
Sodium	2670		1.88	10.0	5	04/10/2024 19:22	WG2260469

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/05/2024 21:43	WG2261366
(S) a,a,a-Trifluorotoluene(FID)	*101*			*78.0-120*		*04/05/2024 21:43*	WG2261366

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 06:56	WG2261660
Benzene	U		0.0000941	0.00100	1	04/06/2024 06:56	WG2261660
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 06:56	WG2261660
Bromoform	U		0.000129	0.00100	1	04/06/2024 06:56	WG2261660
Bromomethane	U		0.000605	0.00500	1	04/06/2024 06:56	WG2261660
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 06:56	WG2261660
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2024 06:56	WG2261660
Carbon disulfide	U		0.0000962	0.00100	1	04/06/2024 06:56	WG2261660
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 06:56	WG2261660

MW-67
Collected date/time: 04/02/24 08:30
L1721739

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 06:56	WG2261660
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 06:56	WG2261660
Chloroethane	U		0.000192	0.00500	1	04/06/2024 06:56	WG2261660
Chloroform	U		0.000111	0.00500	1	04/06/2024 06:56	WG2261660
Chloromethane	U		0.000960	0.00250	1	04/06/2024 06:56	WG2261660
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 06:56	WG2261660
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 06:56	WG2261660
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 06:56	WG2261660
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 06:56	WG2261660
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 06:56	WG2261660
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 06:56	WG2261660
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 06:56	WG2261660
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 06:56	WG2261660
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 06:56	WG2261660
Ethylbenzene	U		0.000137	0.00100	1	04/06/2024 06:56	WG2261660
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2024 06:56	WG2261660
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 06:56	WG2261660
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 06:56	WG2261660
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 06:56	WG2261660
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 06:56	WG2261660
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 06:56	WG2261660
Methyl tert-butyl ether	0.000404	J	0.000101	0.00100	1	04/06/2024 06:56	WG2261660
Naphthalene	U		0.00100	0.00500	1	04/06/2024 06:56	WG2261660
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2024 06:56	WG2261660
Styrene	U		0.000118	0.00100	1	04/06/2024 06:56	WG2261660
tert-Butyl alcohol	U		0.00406	0.00500	1	04/06/2024 06:56	WG2261660
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 06:56	WG2261660
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 06:56	WG2261660
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 06:56	WG2261660
Toluene	U		0.000278	0.00100	1	04/06/2024 06:56	WG2261660
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 06:56	WG2261660
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 06:56	WG2261660
Trichloroethene	U		0.000190	0.00100	1	04/06/2024 06:56	WG2261660
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2024 06:56	WG2261660
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2024 06:56	WG2261660
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 06:56	WG2261660
o-Xylene	U		0.000174	0.00100	1	04/06/2024 06:56	WG2261660
m&p-Xylene	U		0.000430	0.00200	1	04/06/2024 06:56	WG2261660
Xylenes, Total	U		0.000174	0.00300	1	04/06/2024 06:56	WG2261660
(S) Toluene-d8	*107*			*80.0-120*		*04/06/2024 06:56*	WG2261660
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*04/06/2024 06:56*	WG2261660
(S) 1,2-Dichloroethane-d4	*93.3*			*70.0-130*		*04/06/2024 06:56*	WG2261660

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.294		0.0247	0.100	1	04/10/2024 14:15	WG2262352
(S) o-Terphenyl	*94.2*			*52.0-156*		*04/10/2024 14:15*	WG2262352

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	14900		400	1	04/04/2024 14:00	WG2260028

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Cyanide	U		0.00180	0.00500	1	04/11/2024 22:32	WG2264666

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	5850		37.9	100	100	04/04/2024 00:21	WG2259791
Fluoride	2.70		0.640	1.50	10	04/04/2024 00:07	WG2259791
Nitrate	1.05	B	0.480	1.00	10	04/04/2024 00:07	WG2259791
Nitrite	1.00	B	0.420	1.00	10	04/04/2024 00:07	WG2259791
Sulfate	5600		59.4	500	100	04/04/2024 00:21	WG2259791

Sample Narrative:

L1721739-23 WG2259791: Dilution due to matrix.

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U	J6 O1	0.000100	0.000200	1	04/06/2024 20:08	WG2260517
Mercury,Dissolved	U		0.000100	0.000200	1	04/04/2024 10:57	WG2259694

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron	2.08		0.0200	0.200	1	04/08/2024 19:57	WG2262617
Boron,Dissolved	2.01		0.0200	0.200	1	04/05/2024 12:53	WG2260380

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.00448		0.000180	0.00200	1	04/10/2024 18:23	WG2260469
Arsenic,Dissolved	0.00420		0.000180	0.00200	1	04/10/2024 17:40	WG2260457
Barium	0.0169		0.000381	0.00200	1	04/10/2024 18:23	WG2260469
Barium,Dissolved	0.0164		0.000381	0.00200	1	04/10/2024 17:40	WG2260457
Cadmium	U		0.000150	0.00100	1	04/10/2024 18:23	WG2260469
Cadmium,Dissolved	U		0.000150	0.00100	1	04/10/2024 17:40	WG2260457
Calcium	678		0.0936	1.00	1	04/10/2024 18:23	WG2260469
Chromium	U		0.00124	0.00200	1	04/10/2024 18:23	WG2260469
Chromium,Dissolved	U		0.00124	0.00200	1	04/10/2024 17:40	WG2260457
Cobalt	0.000279	J	0.0000596	0.00200	1	04/10/2024 18:23	WG2260469
Cobalt,Dissolved	0.000302	J	0.0000596	0.00200	1	04/10/2024 17:40	WG2260457
Iron	U		0.0281	0.100	1	04/10/2024 18:23	WG2260469
Iron,Dissolved	U		0.0281	0.100	1	04/10/2024 17:40	WG2260457
Lead	U		0.000849	0.00200	1	04/10/2024 18:23	WG2260469
Lead,Dissolved	U		0.000849	0.00200	1	04/10/2024 17:40	WG2260457
Manganese	0.0482		0.000704	0.00500	1	04/10/2024 18:23	WG2260469
Manganese,Dissolved	0.0569		0.000704	0.00500	1	04/10/2024 17:40	WG2260457
Nickel	0.00980		0.000816	0.00200	1	04/10/2024 18:23	WG2260469
Nickel,Dissolved	0.0104	B	0.000816	0.00200	1	04/10/2024 17:40	WG2260457

MW-18A
Collected date/time: 04/02/24 09:15
L1721739

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Potassium	40.3		0.108	2.00	1	04/10/2024 18:23	WG2260469
Selenium	0.000532	J	0.000300	0.00200	1	04/10/2024 18:23	WG2260469
Selenium,Dissolved	0.000613	J	0.000300	0.00200	1	04/10/2024 17:40	WG2260457
Sodium	3690		1.88	10.0	5	04/10/2024 19:25	WG2260469
Uranium	0.0263		0.0000789	0.00100	1	04/10/2024 18:23	WG2260469
Uranium,Dissolved	0.0262		0.0000789	0.00100	1	04/10/2024 17:40	WG2260457
Vanadium	U		0.000664	0.00500	1	04/10/2024 18:23	WG2260469
Vanadium,Dissolved	U		0.000664	0.00500	1	04/10/2024 17:40	WG2260457

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 07:17	WG2261660
Benzene	U		0.0000941	0.00100	1	04/06/2024 07:17	WG2261660
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 07:17	WG2261660
Bromoform	U		0.000129	0.00100	1	04/06/2024 07:17	WG2261660
Bromomethane	U		0.000605	0.00500	1	04/06/2024 07:17	WG2261660
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 07:17	WG2261660
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2024 07:17	WG2261660
Carbon disulfide	U		0.0000962	0.00100	1	04/06/2024 07:17	WG2261660
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 07:17	WG2261660
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 07:17	WG2261660
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 07:17	WG2261660
Chloroethane	U		0.000192	0.00500	1	04/06/2024 07:17	WG2261660
Chloroform	U		0.000111	0.00500	1	04/06/2024 07:17	WG2261660
Chloromethane	U		0.000960	0.00250	1	04/06/2024 07:17	WG2261660
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 07:17	WG2261660
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 07:17	WG2261660
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 07:17	WG2261660
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 07:17	WG2261660
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 07:17	WG2261660
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 07:17	WG2261660
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 07:17	WG2261660
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 07:17	WG2261660
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 07:17	WG2261660
Ethylbenzene	U		0.000137	0.00100	1	04/06/2024 07:17	WG2261660
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2024 07:17	WG2261660
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 07:17	WG2261660
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 07:17	WG2261660
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 07:17	WG2261660
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 07:17	WG2261660
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 07:17	WG2261660
Methyl tert-butyl ether	0.000597	J	0.000101	0.00100	1	04/06/2024 07:17	WG2261660
Naphthalene	U		0.00100	0.00500	1	04/06/2024 07:17	WG2261660
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2024 07:17	WG2261660
Styrene	U		0.000118	0.00100	1	04/06/2024 07:17	WG2261660
tert-Butyl alcohol	U		0.00406	0.00500	1	04/06/2024 07:17	WG2261660
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 07:17	WG2261660
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 07:17	WG2261660
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 07:17	WG2261660
Toluene	U		0.000278	0.00100	1	04/06/2024 07:17	WG2261660
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 07:17	WG2261660
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 07:17	WG2261660
Trichloroethene	U		0.000190	0.00100	1	04/06/2024 07:17	WG2261660
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2024 07:17	WG2261660
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2024 07:17	WG2261660

MW-18A
Collected date/time: 04/02/24 09:15
L1721739

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 07:17	WG2261660
o-Xylene	U		0.000174	0.00100	1	04/06/2024 07:17	WG2261660
m&p-Xylene	U		0.000430	0.00200	1	04/06/2024 07:17	WG2261660
Xylenes, Total	U		0.000174	0.00300	1	04/06/2024 07:17	WG2261660
(S) Toluene-d8	*107*			*80.0-120*		*04/06/2024 07:17*	WG2261660
(S) 4-Bromofluorobenzene	*99.1*			*77.0-126*		*04/06/2024 07:17*	WG2261660
(S) 1,2-Dichloroethane-d4	*95.1*			*70.0-130*		*04/06/2024 07:17*	WG2261660

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.442		0.0247	0.100	1	04/10/2024 14:36	WG2262352
(S) o-Terphenyl	*98.4*			*52.0-156*		*04/10/2024 14:36*	WG2262352

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	5650		100	1	04/09/2024 16:58	WG2263011

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1230		3.79	10.0	10	04/04/2024 00:34	WG2259791
Fluoride	0.826	J	0.640	1.50	10	04/04/2024 00:34	WG2259791
Nitrate	0.817	B J	0.480	1.00	10	04/04/2024 00:34	WG2259791
Nitrite	0.956	B J	0.420	1.00	10	04/04/2024 00:34	WG2259791
Sulfate	1840		59.4	500	100	04/04/2024 00:48	WG2259791

Sample Narrative:

L1721739-24 WG2259791: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0168		0.000180	0.00200	1	04/10/2024 18:26	WG2260469
Arsenic,Dissolved	0.0149		0.000180	0.00200	1	04/10/2024 17:43	WG2260457
Barium	0.0146		0.000381	0.00200	1	04/10/2024 18:26	WG2260469
Barium,Dissolved	0.0146		0.000381	0.00200	1	04/10/2024 17:43	WG2260457
Calcium	693		0.0936	1.00	1	04/10/2024 18:26	WG2260469
Chromium	U		0.00124	0.00200	1	04/10/2024 18:26	WG2260469
Chromium,Dissolved	U		0.00124	0.00200	1	04/10/2024 17:43	WG2260457
Iron	4.74		0.0281	0.100	1	04/10/2024 18:26	WG2260469
Iron,Dissolved	0.457		0.0281	0.100	1	04/10/2024 17:43	WG2260457
Lead	U		0.000849	0.00200	1	04/10/2024 18:26	WG2260469
Lead,Dissolved	U		0.000849	0.00200	1	04/10/2024 17:43	WG2260457
Manganese	0.0644		0.000704	0.00500	1	04/10/2024 18:26	WG2260469
Manganese,Dissolved	0.0480		0.000704	0.00500	1	04/10/2024 17:43	WG2260457
Potassium	5.05		0.108	2.00	1	04/10/2024 18:26	WG2260469
Selenium	U		0.000300	0.00200	1	04/10/2024 18:26	WG2260469
Selenium,Dissolved	U		0.000300	0.00200	1	04/10/2024 17:43	WG2260457
Sodium	737		0.376	2.00	1	04/10/2024 18:26	WG2260469

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	1.03		0.0314	0.100	1	04/05/2024 19:03	WG2261420
(S) a,a,a-Trifluorotoluene(FID)	*90.8*			*78.0-120*		*04/05/2024 19:03*	WG2261420

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 07:38	WG2261660
Benzene	U		0.0000941	0.00100	1	04/06/2024 07:38	WG2261660
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 07:38	WG2261660
Bromoform	U		0.000129	0.00100	1	04/06/2024 07:38	WG2261660
Bromomethane	U		0.000605	0.00500	1	04/06/2024 07:38	WG2261660
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 07:38	WG2261660
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2024 07:38	WG2261660
Carbon disulfide	U		0.0000962	0.00100	1	04/06/2024 07:38	WG2261660
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 07:38	WG2261660

MW-70
Collected date/time: 04/02/24 10:20
L1721739

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 07:38	WG2261660
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 07:38	WG2261660
Chloroethane	U		0.000192	0.00500	1	04/06/2024 07:38	WG2261660
Chloroform	U		0.000111	0.00500	1	04/06/2024 07:38	WG2261660
Chloromethane	U		0.000960	0.00250	1	04/06/2024 07:38	WG2261660
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 07:38	WG2261660
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 07:38	WG2261660
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 07:38	WG2261660
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 07:38	WG2261660
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 07:38	WG2261660
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 07:38	WG2261660
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 07:38	WG2261660
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 07:38	WG2261660
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 07:38	WG2261660
Ethylbenzene	U		0.000137	0.00100	1	04/06/2024 07:38	WG2261660
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2024 07:38	WG2261660
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 07:38	WG2261660
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 07:38	WG2261660
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 07:38	WG2261660
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 07:38	WG2261660
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 07:38	WG2261660
Methyl tert-butyl ether	0.000106	J	0.000101	0.00100	1	04/06/2024 07:38	WG2261660
Naphthalene	U		0.00100	0.00500	1	04/06/2024 07:38	WG2261660
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2024 07:38	WG2261660
Styrene	U		0.000118	0.00100	1	04/06/2024 07:38	WG2261660
tert-Butyl alcohol	U		0.00406	0.00500	1	04/06/2024 07:38	WG2261660
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 07:38	WG2261660
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 07:38	WG2261660
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 07:38	WG2261660
Toluene	U		0.000278	0.00100	1	04/06/2024 07:38	WG2261660
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 07:38	WG2261660
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 07:38	WG2261660
Trichloroethene	U		0.000190	0.00100	1	04/06/2024 07:38	WG2261660
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2024 07:38	WG2261660
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2024 07:38	WG2261660
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 07:38	WG2261660
o-Xylene	U		0.000174	0.00100	1	04/06/2024 07:38	WG2261660
m&p-Xylene	U		0.000430	0.00200	1	04/06/2024 07:38	WG2261660
Xylenes, Total	U		0.000174	0.00300	1	04/06/2024 07:38	WG2261660
(S) Toluene-d8	*107*			*80.0-120*		*04/06/2024 07:38*	WG2261660
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*04/06/2024 07:38*	WG2261660
(S) 1,2-Dichloroethane-d4	*97.2*			*70.0-130*		*04/06/2024 07:38*	WG2261660

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1.09		0.0247	0.100	1	04/10/2024 14:57	WG2262352
(S) o-Terphenyl	*106*			*52.0-156*		*04/10/2024 14:57*	WG2262352

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	10600		200	1	04/09/2024 16:58	WG2263011

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	2800		37.9	100	100	04/04/2024 01:16	WG2259791
Fluoride	1.63		0.640	1.50	10	04/04/2024 01:02	WG2259791
Nitrate	1.12	B	0.480	1.00	10	04/04/2024 01:02	WG2259791
Nitrite	1.43	B	0.420	1.00	10	04/04/2024 01:02	WG2259791
Sulfate	3280		59.4	500	100	04/04/2024 01:16	WG2259791

Sample Narrative:

L1721739-25 WG2259791: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.000933	J	0.000180	0.00200	1	04/10/2024 18:38	WG2260469
Arsenic,Dissolved	0.000744	J	0.000180	0.00200	1	04/10/2024 17:20	WG2260457
Barium	0.0156		0.000381	0.00200	1	04/10/2024 18:38	WG2260469
Barium,Dissolved	0.0163		0.000381	0.00200	1	04/10/2024 17:20	WG2260457
Calcium	760		0.0936	1.00	1	04/10/2024 18:38	WG2260469
Chromium	U		0.00124	0.00200	1	04/10/2024 18:38	WG2260469
Chromium,Dissolved	U		0.00124	0.00200	1	04/10/2024 17:20	WG2260457
Iron	1.99		0.0281	0.100	1	04/10/2024 18:38	WG2260469
Iron,Dissolved	1.74		0.0281	0.100	1	04/10/2024 17:20	WG2260457
Lead	U		0.000849	0.00200	1	04/10/2024 18:38	WG2260469
Lead,Dissolved	U		0.000849	0.00200	1	04/10/2024 17:20	WG2260457
Manganese	0.293		0.000704	0.00500	1	04/10/2024 18:38	WG2260469
Manganese,Dissolved	0.272		0.000704	0.00500	1	04/10/2024 17:20	WG2260457
Potassium	6.46		0.108	2.00	1	04/10/2024 18:38	WG2260469
Selenium	U		0.000300	0.00200	1	04/10/2024 18:38	WG2260469
Selenium,Dissolved	U		0.000300	0.00200	1	04/10/2024 17:20	WG2260457
Sodium	1890		1.88	10.0	5	04/10/2024 19:45	WG2260469

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/05/2024 19:25	WG2261420
(S) a,a,a-Trifluorotoluene(FID)	*90.7*			*78.0-120*		*04/05/2024 19:25*	WG2261420

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 07:58	WG2261660
Benzene	U		0.0000941	0.00100	1	04/06/2024 07:58	WG2261660
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 07:58	WG2261660
Bromoform	U		0.000129	0.00100	1	04/06/2024 07:58	WG2261660
Bromomethane	U		0.000605	0.00500	1	04/06/2024 07:58	WG2261660
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 07:58	WG2261660
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2024 07:58	WG2261660
Carbon disulfide	U		0.0000962	0.00100	1	04/06/2024 07:58	WG2261660
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 07:58	WG2261660

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 07:58	WG2261660
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 07:58	WG2261660
Chloroethane	U		0.000192	0.00500	1	04/06/2024 07:58	WG2261660
Chloroform	U		0.000111	0.00500	1	04/06/2024 07:58	WG2261660
Chloromethane	U		0.000960	0.00250	1	04/06/2024 07:58	WG2261660
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 07:58	WG2261660
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 07:58	WG2261660
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 07:58	WG2261660
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 07:58	WG2261660
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 07:58	WG2261660
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 07:58	WG2261660
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 07:58	WG2261660
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 07:58	WG2261660
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 07:58	WG2261660
Ethylbenzene	U		0.000137	0.00100	1	04/06/2024 07:58	WG2261660
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2024 07:58	WG2261660
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 07:58	WG2261660
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 07:58	WG2261660
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 07:58	WG2261660
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 07:58	WG2261660
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 07:58	WG2261660
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/06/2024 07:58	WG2261660
Naphthalene	U		0.00100	0.00500	1	04/06/2024 07:58	WG2261660
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2024 07:58	WG2261660
Styrene	U		0.000118	0.00100	1	04/06/2024 07:58	WG2261660
tert-Butyl alcohol	U		0.00406	0.00500	1	04/06/2024 07:58	WG2261660
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 07:58	WG2261660
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 07:58	WG2261660
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 07:58	WG2261660
Toluene	U		0.000278	0.00100	1	04/06/2024 07:58	WG2261660
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 07:58	WG2261660
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 07:58	WG2261660
Trichloroethene	U		0.000190	0.00100	1	04/06/2024 07:58	WG2261660
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2024 07:58	WG2261660
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2024 07:58	WG2261660
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 07:58	WG2261660
o-Xylene	U		0.000174	0.00100	1	04/06/2024 07:58	WG2261660
m&p-Xylene	U		0.000430	0.00200	1	04/06/2024 07:58	WG2261660
Xylenes, Total	U		0.000174	0.00300	1	04/06/2024 07:58	WG2261660
(S) Toluene-d8	*106*			*80.0-120*		*04/06/2024 07:58*	WG2261660
(S) 4-Bromofluorobenzene	*94.9*			*77.0-126*		*04/06/2024 07:58*	WG2261660
(S) 1,2-Dichloroethane-d4	*98.9*			*70.0-130*		*04/06/2024 07:58*	WG2261660

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.205		0.0247	0.100	1	04/14/2024 14:36	WG2262352
(S) o-Terphenyl	*82.6*			*52.0-156*		*04/14/2024 14:36*	WG2262352

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	ND		10.0	1	04/04/2024 14:00	WG2260028

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	U		0.379	1.00	1	04/04/2024 01:29	WG2259791
Fluoride	0.102	J P1	0.0640	0.150	1	04/04/2024 01:29	WG2259791
Nitrate	0.0650	B J	0.0480	0.100	1	04/04/2024 01:29	WG2259791
Nitrite	0.0481	B J	0.0420	0.100	1	04/04/2024 01:29	WG2259791
Sulfate	U		0.594	5.00	1	04/04/2024 01:29	WG2259791

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	U		0.000180	0.00200	1	04/10/2024 18:41	WG2260469
Arsenic,Dissolved	U		0.000180	0.00200	1	04/10/2024 20:45	WG2260457
Barium	U		0.000381	0.00200	1	04/10/2024 18:41	WG2260469
Barium,Dissolved	U		0.000381	0.00200	1	04/10/2024 20:45	WG2260457
Calcium	0.152	J	0.0936	1.00	1	04/10/2024 18:41	WG2260469
Chromium	U		0.00124	0.00200	1	04/10/2024 18:41	WG2260469
Chromium,Dissolved	U		0.00124	0.00200	1	04/10/2024 20:45	WG2260457
Iron	U		0.0281	0.100	1	04/10/2024 18:41	WG2260469
Iron,Dissolved	U		0.0281	0.100	1	04/10/2024 20:45	WG2260457
Lead	U		0.000849	0.00200	1	04/10/2024 18:41	WG2260469
Lead,Dissolved	U		0.000849	0.00200	1	04/10/2024 20:45	WG2260457
Manganese	U		0.000704	0.00500	1	04/10/2024 18:41	WG2260469
Manganese,Dissolved	U		0.000704	0.00500	1	04/10/2024 20:45	WG2260457
Potassium	U		0.108	2.00	1	04/10/2024 18:41	WG2260469
Selenium	U		0.000300	0.00200	1	04/10/2024 18:41	WG2260469
Selenium,Dissolved	U		0.000300	0.00200	1	04/10/2024 20:45	WG2260457
Sodium	0.460	J	0.376	2.00	1	04/10/2024 18:41	WG2260469

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/05/2024 17:54	WG2261420
(S) a,a,a-Trifluorotoluene(FID)	*91.0*			*78.0-120*		*04/05/2024 17:54*	WG2261420

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 00:48	WG2261660
Benzene	U		0.0000941	0.00100	1	04/06/2024 00:48	WG2261660
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 00:48	WG2261660
Bromoform	U		0.000129	0.00100	1	04/06/2024 00:48	WG2261660
Bromomethane	U		0.000605	0.00500	1	04/06/2024 00:48	WG2261660
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 00:48	WG2261660
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2024 00:48	WG2261660
Carbon disulfide	U		0.0000962	0.00100	1	04/06/2024 00:48	WG2261660
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 00:48	WG2261660
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 00:48	WG2261660
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 00:48	WG2261660
Chloroethane	U		0.000192	0.00500	1	04/06/2024 00:48	WG2261660

LB-LT-02
Collected date/time: 04/02/24 11:30
L1721739

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloroform	0.00143	J	0.000111	0.00500	1	04/06/2024 00:48	WG2261660
Chloromethane	U		0.000960	0.00250	1	04/06/2024 00:48	WG2261660
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 00:48	WG2261660
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 00:48	WG2261660
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 00:48	WG2261660
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 00:48	WG2261660
cis-1,2-Dichloroethene	0.000201	J	0.000126	0.00100	1	04/06/2024 00:48	WG2261660
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 00:48	WG2261660
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 00:48	WG2261660
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 00:48	WG2261660
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 00:48	WG2261660
Ethylbenzene	U		0.000137	0.00100	1	04/06/2024 00:48	WG2261660
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2024 00:48	WG2261660
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 00:48	WG2261660
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 00:48	WG2261660
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 00:48	WG2261660
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 00:48	WG2261660
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 00:48	WG2261660
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/06/2024 00:48	WG2261660
Naphthalene	U		0.00100	0.00500	1	04/06/2024 00:48	WG2261660
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2024 00:48	WG2261660
Styrene	U		0.000118	0.00100	1	04/06/2024 00:48	WG2261660
tert-Butyl alcohol	U		0.00406	0.00500	1	04/06/2024 00:48	WG2261660
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 00:48	WG2261660
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 00:48	WG2261660
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 00:48	WG2261660
Toluene	U		0.000278	0.00100	1	04/06/2024 00:48	WG2261660
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 00:48	WG2261660
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 00:48	WG2261660
Trichloroethene	U		0.000190	0.00100	1	04/06/2024 00:48	WG2261660
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2024 00:48	WG2261660
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2024 00:48	WG2261660
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 00:48	WG2261660
o-Xylene	U		0.000174	0.00100	1	04/06/2024 00:48	WG2261660
m&p-Xylene	U		0.000430	0.00200	1	04/06/2024 00:48	WG2261660
Xylenes, Total	U		0.000174	0.00300	1	04/06/2024 00:48	WG2261660
(S) Toluene-d8	*103*			*80.0-120*		*04/06/2024 00:48*	WG2261660
(S) 4-Bromofluorobenzene	*92.8*			*77.0-126*		*04/06/2024 00:48*	WG2261660
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*04/06/2024 00:48*	WG2261660

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0512	J	0.0247	0.100	1	04/10/2024 15:39	WG2262352
(S) o-Terphenyl	*82.6*			*52.0-156*		*04/10/2024 15:39*	WG2262352

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1790		50.0	1	04/04/2024 14:00	WG2260028

Wet Chemistry by Method 4500CN E-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Cyanide	U		0.00900	0.0250	5	04/09/2024 08:33	WG2262748

Sample Narrative:

L1721739-28 WG2262748: Dilution due to Sulfide.

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	414	V	3.79	10.0	10	04/04/2024 03:18	WG2259791
Fluoride	1.20		0.0640	0.150	1	04/04/2024 02:51	WG2259791
Nitrate	0.309	B	0.0480	0.100	1	04/04/2024 02:51	WG2259791
Nitrite	0.0974	B J P1	0.0420	0.100	1	04/04/2024 02:51	WG2259791
Sulfate	446	V	5.94	50.0	10	04/04/2024 03:18	WG2259791

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	04/06/2024 20:22	WG2260517
Mercury,Dissolved	U		0.000100	0.000200	1	04/04/2024 11:00	WG2259694

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.445		0.0200	0.200	1	04/08/2024 20:00	WG2262617
Boron,Dissolved	0.442		0.0200	0.200	1	04/05/2024 12:55	WG2260380

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.000268	J	0.000180	0.00200	1	04/10/2024 18:44	WG2260469
Arsenic,Dissolved	0.000186	J	0.000180	0.00200	1	04/10/2024 20:49	WG2260457
Barium	0.0388		0.000381	0.00200	1	04/10/2024 18:44	WG2260469
Barium,Dissolved	0.0340		0.000381	0.00200	1	04/10/2024 20:49	WG2260457
Cadmium	U		0.000150	0.00100	1	04/10/2024 18:44	WG2260469
Cadmium,Dissolved	U		0.000150	0.00100	1	04/10/2024 20:49	WG2260457
Calcium	263		0.0936	1.00	1	04/10/2024 18:44	WG2260469
Chromium	U		0.00124	0.00200	1	04/10/2024 18:44	WG2260469
Chromium,Dissolved	U		0.00124	0.00200	1	04/10/2024 20:49	WG2260457
Cobalt	U		0.0000596	0.00200	1	04/10/2024 18:44	WG2260469
Cobalt,Dissolved	U		0.0000596	0.00200	1	04/10/2024 20:49	WG2260457
Iron	0.0511	J	0.0281	0.100	1	04/10/2024 18:44	WG2260469
Iron,Dissolved	0.0284	J	0.0281	0.100	1	04/10/2024 20:49	WG2260457
Lead	U		0.000849	0.00200	1	04/10/2024 18:44	WG2260469
Lead,Dissolved	U		0.000849	0.00200	1	04/10/2024 20:49	WG2260457
Manganese	1.73		0.000704	0.00500	1	04/10/2024 18:44	WG2260469
Manganese,Dissolved	1.58		0.000704	0.00500	1	04/10/2024 20:49	WG2260457
Nickel	U		0.000816	0.00200	1	04/10/2024 18:44	WG2260469
Nickel,Dissolved	U		0.000816	0.00200	1	04/10/2024 20:49	WG2260457

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Potassium	0.331	J	0.108	2.00	1	04/10/2024 18:44	WG2260469
Selenium	U		0.000300	0.00200	1	04/10/2024 18:44	WG2260469
Selenium,Dissolved	U		0.000300	0.00200	1	04/10/2024 20:49	WG2260457
Sodium	251		0.376	2.00	1	04/10/2024 18:44	WG2260469
Uranium	0.000463	J	0.0000789	0.00100	1	04/10/2024 18:44	WG2260469
Uranium,Dissolved	0.000447	J	0.0000789	0.00100	1	04/10/2024 20:49	WG2260457
Vanadium	0.00135	J	0.000664	0.00500	1	04/10/2024 18:44	WG2260469
Vanadium,Dissolved	0.00104	J	0.000664	0.00500	1	04/10/2024 20:49	WG2260457

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 08:19	WG2261660
Benzene	0.0273		0.0000941	0.00100	1	04/06/2024 08:19	WG2261660
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 08:19	WG2261660
Bromoform	U		0.000129	0.00100	1	04/06/2024 08:19	WG2261660
Bromomethane	U		0.000605	0.00500	1	04/06/2024 08:19	WG2261660
n-Butylbenzene	0.000475	J	0.000157	0.00100	1	04/06/2024 08:19	WG2261660
sec-Butylbenzene	0.0149		0.000125	0.00100	1	04/06/2024 08:19	WG2261660
Carbon disulfide	U		0.0000962	0.00100	1	04/06/2024 08:19	WG2261660
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 08:19	WG2261660
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 08:19	WG2261660
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 08:19	WG2261660
Chloroethane	U		0.000192	0.00500	1	04/06/2024 08:19	WG2261660
Chloroform	U		0.000111	0.00500	1	04/06/2024 08:19	WG2261660
Chloromethane	U		0.000960	0.00250	1	04/06/2024 08:19	WG2261660
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 08:19	WG2261660
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 08:19	WG2261660
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 08:19	WG2261660
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 08:19	WG2261660
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 08:19	WG2261660
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 08:19	WG2261660
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 08:19	WG2261660
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 08:19	WG2261660
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 08:19	WG2261660
Ethylbenzene	0.000274	J	0.000137	0.00100	1	04/06/2024 08:19	WG2261660
Isopropylbenzene	0.0240		0.000105	0.00100	1	04/06/2024 08:19	WG2261660
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 08:19	WG2261660
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 08:19	WG2261660
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 08:19	WG2261660
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 08:19	WG2261660
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 08:19	WG2261660
Methyl tert-butyl ether	0.00471		0.000101	0.00100	1	04/06/2024 08:19	WG2261660
Naphthalene	U		0.00100	0.00500	1	04/06/2024 08:19	WG2261660
n-Propylbenzene	0.0174		0.0000993	0.00100	1	04/06/2024 08:19	WG2261660
Styrene	U		0.000118	0.00100	1	04/06/2024 08:19	WG2261660
tert-Butyl alcohol	0.00599		0.00406	0.00500	1	04/06/2024 08:19	WG2261660
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 08:19	WG2261660
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 08:19	WG2261660
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 08:19	WG2261660
Toluene	U		0.000278	0.00100	1	04/06/2024 08:19	WG2261660
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 08:19	WG2261660
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 08:19	WG2261660
Trichloroethene	U		0.000190	0.00100	1	04/06/2024 08:19	WG2261660
1,2,4-Trimethylbenzene	0.000818	J	0.000322	0.00100	1	04/06/2024 08:19	WG2261660
1,3,5-Trimethylbenzene	0.000106	J	0.000104	0.00100	1	04/06/2024 08:19	WG2261660

KWD-7
Collected date/time: 04/02/24 08:45
L1721739

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 08:19	WG2261660
o-Xylene	U		0.000174	0.00100	1	04/06/2024 08:19	WG2261660
m&p-Xylene	U		0.000430	0.00200	1	04/06/2024 08:19	WG2261660
Xylenes, Total	U		0.000174	0.00300	1	04/06/2024 08:19	WG2261660
(S) Toluene-d8	*101*			*80.0-120*		*04/06/2024 08:19*	WG2261660
(S) 4-Bromofluorobenzene	*93.3*			*77.0-126*		*04/06/2024 08:19*	WG2261660
(S) 1,2-Dichloroethane-d4	*90.6*			*70.0-130*		*04/06/2024 08:19*	WG2261660

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1.13		0.0247	0.100	1	04/10/2024 16:00	WG2262352
(S) o-Terphenyl	*98.9*			*52.0-156*		*04/10/2024 16:00*	WG2262352

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1690		25.0	1	04/04/2024 14:00	WG2260028

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	81.9		3.79	10.0	10	04/04/2024 03:59	WG2259791
Fluoride	1.50	J	0.640	1.50	10	04/04/2024 03:59	WG2259791
Nitrate	1.03	B	0.480	1.00	10	04/04/2024 03:59	WG2259791
Nitrite	0.592	B J	0.420	1.00	10	04/04/2024 03:59	WG2259791
Sulfate	1040		5.94	50.0	10	04/04/2024 03:59	WG2259791

Sample Narrative:

L1721739-29 WG2259791: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00198	J	0.000180	0.00200	1	04/10/2024 18:48	WG2260469
Arsenic,Dissolved	0.00181	J	0.000180	0.00200	1	04/10/2024 20:52	WG2260457
Barium	0.0174		0.000381	0.00200	1	04/10/2024 18:48	WG2260469
Barium,Dissolved	0.0153		0.000381	0.00200	1	04/10/2024 20:52	WG2260457
Calcium	320		0.0936	1.00	1	04/10/2024 18:48	WG2260469
Chromium	U		0.00124	0.00200	1	04/10/2024 18:48	WG2260469
Chromium,Dissolved	U		0.00124	0.00200	1	04/10/2024 20:52	WG2260457
Iron	U		0.0281	0.100	1	04/10/2024 18:48	WG2260469
Iron,Dissolved	U		0.0281	0.100	1	04/10/2024 20:52	WG2260457
Lead	U		0.000849	0.00200	1	04/10/2024 18:48	WG2260469
Lead,Dissolved	U		0.000849	0.00200	1	04/10/2024 20:52	WG2260457
Manganese	0.0236		0.000704	0.00500	1	04/10/2024 18:48	WG2260469
Manganese,Dissolved	0.00115	J	0.000704	0.00500	1	04/10/2024 20:52	WG2260457
Potassium	7.66		0.108	2.00	1	04/10/2024 18:48	WG2260469
Selenium	0.0144		0.000300	0.00200	1	04/10/2024 18:48	WG2260469
Selenium,Dissolved	0.0132		0.000300	0.00200	1	04/10/2024 20:52	WG2260457
Sodium	72.5		0.376	2.00	1	04/10/2024 18:48	WG2260469

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 08:40	WG2261660
Benzene	U		0.0000941	0.00100	1	04/06/2024 08:40	WG2261660
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 08:40	WG2261660
Bromoform	U		0.000129	0.00100	1	04/06/2024 08:40	WG2261660
Bromomethane	U		0.000605	0.00500	1	04/06/2024 08:40	WG2261660
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 08:40	WG2261660
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2024 08:40	WG2261660
Carbon disulfide	U		0.0000962	0.00100	1	04/06/2024 08:40	WG2261660
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 08:40	WG2261660
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 08:40	WG2261660
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 08:40	WG2261660
Chloroethane	U		0.000192	0.00500	1	04/06/2024 08:40	WG2261660
Chloroform	U		0.000111	0.00500	1	04/06/2024 08:40	WG2261660
Chloromethane	U		0.000960	0.00250	1	04/06/2024 08:40	WG2261660
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 08:40	WG2261660
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 08:40	WG2261660

MW-27
Collected date/time: 04/02/24 13:25
L1721739

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 08:40	WG2261660
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 08:40	WG2261660
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 08:40	WG2261660
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 08:40	WG2261660
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 08:40	WG2261660
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 08:40	WG2261660
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 08:40	WG2261660
Ethylbenzene	U		0.000137	0.00100	1	04/06/2024 08:40	WG2261660
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2024 08:40	WG2261660
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 08:40	WG2261660
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 08:40	WG2261660
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 08:40	WG2261660
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 08:40	WG2261660
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 08:40	WG2261660
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/06/2024 08:40	WG2261660
Naphthalene	U		0.00100	0.00500	1	04/06/2024 08:40	WG2261660
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2024 08:40	WG2261660
Styrene	U		0.000118	0.00100	1	04/06/2024 08:40	WG2261660
tert-Butyl alcohol	U		0.00406	0.00500	1	04/06/2024 08:40	WG2261660
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 08:40	WG2261660
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 08:40	WG2261660
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 08:40	WG2261660
Toluene	U		0.000278	0.00100	1	04/06/2024 08:40	WG2261660
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 08:40	WG2261660
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 08:40	WG2261660
Trichloroethene	U		0.000190	0.00100	1	04/06/2024 08:40	WG2261660
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2024 08:40	WG2261660
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2024 08:40	WG2261660
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 08:40	WG2261660
o-Xylene	U		0.000174	0.00100	1	04/06/2024 08:40	WG2261660
m&p-Xylene	U		0.000430	0.00200	1	04/06/2024 08:40	WG2261660
Xylenes, Total	U		0.000174	0.00300	1	04/06/2024 08:40	WG2261660
(S) Toluene-d8	*105*			*80.0-120*		*04/06/2024 08:40*	WG2261660
(S) 4-Bromofluorobenzene	*90.8*			*77.0-126*		*04/06/2024 08:40*	WG2261660
(S) 1,2-Dichloroethane-d4	*94.5*			*70.0-130*		*04/06/2024 08:40*	WG2261660

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0895	J	0.0247	0.100	1	04/10/2024 16:24	WG2262352
(S) o-Terphenyl	*83.2*			*52.0-156*		*04/10/2024 16:24*	WG2262352

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2010		50.0	1	04/04/2024 14:00	WG2260028

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	154		3.79	10.0	10	04/04/2024 04:26	WG2259791
Fluoride	2.63		0.640	1.50	10	04/04/2024 04:26	WG2259791
Nitrate	0.982	B J	0.480	1.00	10	04/04/2024 04:26	WG2259791
Nitrite	0.540	B J	0.420	1.00	10	04/04/2024 04:26	WG2259791
Sulfate	1420		5.94	50.0	10	04/04/2024 04:26	WG2259791

Sample Narrative:

L1721739-30 WG2259791: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00973		0.000180	0.00200	1	04/10/2024 18:51	WG2260469
Arsenic,Dissolved	0.00429		0.000180	0.00200	1	05/03/2024 18:55	WG2278163
Barium	0.0132		0.000381	0.00200	1	04/10/2024 18:51	WG2260469
Barium,Dissolved	0.0108		0.000381	0.00200	1	05/03/2024 18:55	WG2278163
Calcium	444		0.0936	1.00	1	04/10/2024 18:51	WG2260469
Chromium	U		0.00124	0.00200	1	04/10/2024 18:51	WG2260469
Chromium,Dissolved	U		0.00124	0.00200	1	05/03/2024 18:55	WG2278163
Iron	0.424		0.0281	0.100	1	04/10/2024 18:51	WG2260469
Iron,Dissolved	U		0.0281	0.100	1	05/03/2024 18:55	WG2278163
Lead	U		0.000849	0.00200	1	04/10/2024 18:51	WG2260469
Lead,Dissolved	U		0.000849	0.00200	1	05/03/2024 21:00	WG2278163
Manganese	0.532		0.000704	0.00500	1	04/10/2024 18:51	WG2260469
Manganese,Dissolved	0.0357		0.000704	0.00500	1	05/03/2024 18:55	WG2278163
Potassium	7.76		0.108	2.00	1	04/10/2024 18:51	WG2260469
Selenium	0.00471		0.000300	0.00200	1	04/10/2024 18:51	WG2260469
Selenium,Dissolved	0.00294		0.000300	0.00200	1	05/03/2024 18:55	WG2278163
Sodium	139		0.376	2.00	1	04/10/2024 18:51	WG2260469

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/09/2024 01:16	WG2262482
Benzene	U		0.0000941	0.00100	1	04/09/2024 01:16	WG2262482
Bromodichloromethane	U	J4	0.000136	0.00100	1	04/09/2024 01:16	WG2262482
Bromoform	U		0.000129	0.00100	1	04/09/2024 01:16	WG2262482
Bromomethane	U		0.000605	0.00500	1	04/09/2024 01:16	WG2262482
n-Butylbenzene	U		0.000157	0.00100	1	04/09/2024 01:16	WG2262482
sec-Butylbenzene	U		0.000125	0.00100	1	04/09/2024 01:16	WG2262482
Carbon disulfide	U		0.0000962	0.00100	1	04/09/2024 01:16	WG2262482
Carbon tetrachloride	U	J4	0.000128	0.00100	1	04/09/2024 01:16	WG2262482
Chlorobenzene	U		0.000116	0.00100	1	04/09/2024 01:16	WG2262482
Chlorodibromomethane	U		0.000140	0.00100	1	04/09/2024 01:16	WG2262482
Chloroethane	U		0.000192	0.00500	1	04/09/2024 01:16	WG2262482
Chloroform	U		0.000111	0.00500	1	04/09/2024 01:16	WG2262482
Chloromethane	U		0.000960	0.00250	1	04/09/2024 01:16	WG2262482
1,2-Dibromoethane	U		0.000126	0.00100	1	04/09/2024 01:16	WG2262482
1,1-Dichloroethane	U		0.000100	0.00100	1	04/09/2024 01:16	WG2262482

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/09/2024 01:16	WG2262482
1,1-Dichloroethene	U		0.000188	0.00100	1	04/09/2024 01:16	WG2262482
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/09/2024 01:16	WG2262482
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/09/2024 01:16	WG2262482
1,2-Dichloropropane	U		0.000149	0.00100	1	04/09/2024 01:16	WG2262482
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/09/2024 01:16	WG2262482
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/09/2024 01:16	WG2262482
Ethylbenzene	U		0.000137	0.00100	1	04/09/2024 01:16	WG2262482
Isopropylbenzene	U		0.000105	0.00100	1	04/09/2024 01:16	WG2262482
p-Isopropyltoluene	U		0.000120	0.00100	1	04/09/2024 01:16	WG2262482
2-Butanone (MEK)	U		0.00119	0.0100	1	04/09/2024 01:16	WG2262482
2-Hexanone	U		0.000787	0.0100	1	04/09/2024 01:16	WG2262482
Methylene Chloride	U		0.000430	0.00500	1	04/09/2024 01:16	WG2262482
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/09/2024 01:16	WG2262482
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/09/2024 01:16	WG2262482
Naphthalene	U		0.00100	0.00500	1	04/09/2024 01:16	WG2262482
n-Propylbenzene	U		0.0000993	0.00100	1	04/09/2024 01:16	WG2262482
Styrene	U		0.000118	0.00100	1	04/09/2024 01:16	WG2262482
tert-Butyl alcohol	U	J3	0.00406	0.00500	1	04/09/2024 01:16	WG2262482
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/09/2024 01:16	WG2262482
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/09/2024 01:16	WG2262482
Tetrachloroethene	0.000324	J	0.000300	0.00100	1	04/09/2024 01:16	WG2262482
Toluene	U		0.000278	0.00100	1	04/09/2024 01:16	WG2262482
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/09/2024 01:16	WG2262482
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/09/2024 01:16	WG2262482
Trichloroethene	U		0.000190	0.00100	1	04/09/2024 01:16	WG2262482
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/09/2024 01:16	WG2262482
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/09/2024 01:16	WG2262482
Vinyl chloride	U		0.000234	0.00100	1	04/09/2024 01:16	WG2262482
o-Xylene	0.000218	J	0.000174	0.00100	1	04/09/2024 01:16	WG2262482
m&p-Xylene	U		0.000430	0.00200	1	04/09/2024 01:16	WG2262482
Xylenes, Total	0.000218	J	0.000174	0.00300	1	04/09/2024 01:16	WG2262482
(S) Toluene-d8	*97.4*			*80.0-120*		*04/09/2024 01:16*	WG2262482
(S) 4-Bromofluorobenzene	*96.7*			*77.0-126*		*04/09/2024 01:16*	WG2262482
(S) 1,2-Dichloroethane-d4	*121*			*70.0-130*		*04/09/2024 01:16*	WG2262482

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.374		0.0247	0.100	1	04/10/2024 16:45	WG2262352
(S) o-Terphenyl	*87.9*			*52.0-156*		*04/10/2024 16:45*	WG2262352

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3190		50.0	1	04/04/2024 14:00	WG2260028

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	313		3.79	10.0	10	04/04/2024 04:53	WG2259791
Fluoride	2.37		0.640	1.50	10	04/04/2024 04:53	WG2259791
Nitrate	1.63	B	0.480	1.00	10	04/04/2024 04:53	WG2259791
Nitrite	0.549	B J	0.420	1.00	10	04/04/2024 04:53	WG2259791
Sulfate	1790		59.4	500	100	04/04/2024 05:34	WG2259791

Sample Narrative:

L1721739-31 WG2259791: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00493		0.000180	0.00200	1	04/10/2024 18:03	WG2260469
Arsenic,Dissolved	0.00466		0.000180	0.00200	1	04/10/2024 20:58	WG2260457
Barium	0.0140		0.000381	0.00200	1	04/10/2024 18:03	WG2260469
Barium,Dissolved	0.0124		0.000381	0.00200	1	04/10/2024 20:58	WG2260457
Calcium	508	V	0.0936	1.00	1	04/10/2024 18:03	WG2260469
Chromium	U		0.00124	0.00200	1	04/10/2024 18:03	WG2260469
Chromium,Dissolved	U		0.00124	0.00200	1	04/10/2024 20:58	WG2260457
Iron	0.0372	J	0.0281	0.100	1	04/10/2024 18:03	WG2260469
Iron,Dissolved	0.100		0.0281	0.100	1	04/10/2024 20:58	WG2260457
Lead	U		0.000849	0.00200	1	04/10/2024 18:03	WG2260469
Lead,Dissolved	U		0.000849	0.00200	1	04/10/2024 20:58	WG2260457
Manganese	0.110	J5	0.000704	0.00500	1	04/10/2024 18:03	WG2260469
Manganese,Dissolved	U		0.000704	0.00500	1	04/10/2024 20:58	WG2260457
Potassium	7.79		0.108	2.00	1	04/10/2024 18:03	WG2260469
Selenium	0.0193		0.000300	0.00200	1	04/10/2024 18:03	WG2260469
Selenium,Dissolved	0.0187		0.000300	0.00200	1	04/10/2024 20:58	WG2260457
Sodium	270	V	0.376	2.00	1	04/10/2024 18:03	WG2260469

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 02:58	WG2261667
Benzene	U		0.0000941	0.00100	1	04/06/2024 02:58	WG2261667
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 02:58	WG2261667
Bromoform	U		0.000129	0.00100	1	04/06/2024 02:58	WG2261667
Bromomethane	U		0.000605	0.00500	1	04/06/2024 02:58	WG2261667
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 02:58	WG2261667
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2024 02:58	WG2261667
Carbon disulfide	U		0.0000962	0.00100	1	04/06/2024 02:58	WG2261667
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 02:58	WG2261667
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 02:58	WG2261667
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 02:58	WG2261667
Chloroethane	U		0.000192	0.00500	1	04/06/2024 02:58	WG2261667
Chloroform	U		0.000111	0.00500	1	04/06/2024 02:58	WG2261667
Chloromethane	U		0.000960	0.00250	1	04/06/2024 02:58	WG2261667
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 02:58	WG2261667
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 02:58	WG2261667

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 02:58	WG2261667
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 02:58	WG2261667
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 02:58	WG2261667
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 02:58	WG2261667
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 02:58	WG2261667
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 02:58	WG2261667
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 02:58	WG2261667
Ethylbenzene	U		0.000137	0.00100	1	04/06/2024 02:58	WG2261667
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2024 02:58	WG2261667
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 02:58	WG2261667
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 02:58	WG2261667
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 02:58	WG2261667
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 02:58	WG2261667
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 02:58	WG2261667
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/06/2024 02:58	WG2261667
Naphthalene	U		0.00100	0.00500	1	04/06/2024 02:58	WG2261667
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2024 02:58	WG2261667
Styrene	U		0.000118	0.00100	1	04/06/2024 02:58	WG2261667
tert-Butyl alcohol	U		0.00406	0.00500	1	04/06/2024 02:58	WG2261667
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 02:58	WG2261667
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 02:58	WG2261667
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 02:58	WG2261667
Toluene	U		0.000278	0.00100	1	04/06/2024 02:58	WG2261667
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 02:58	WG2261667
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 02:58	WG2261667
Trichloroethene	U		0.000190	0.00100	1	04/06/2024 02:58	WG2261667
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2024 02:58	WG2261667
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2024 02:58	WG2261667
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 02:58	WG2261667
o-Xylene	U		0.000174	0.00100	1	04/06/2024 02:58	WG2261667
m&p-Xylene	U		0.000430	0.00200	1	04/06/2024 02:58	WG2261667
Xylenes, Total	U		0.000174	0.00300	1	04/06/2024 02:58	WG2261667
(S) Toluene-d8	*110*			*80.0-120*		*04/06/2024 02:58*	WG2261667
(S) 4-Bromofluorobenzene	*92.8*			*77.0-126*		*04/06/2024 02:58*	WG2261667
(S) 1,2-Dichloroethane-d4	*86.0*			*70.0-130*		*04/06/2024 02:58*	WG2261667

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.148		0.0247	0.100	1	04/14/2024 15:18	WG2262352
(S) o-Terphenyl	*81.6*			*52.0-156*		*04/14/2024 15:18*	WG2262352

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4760		100	1	04/05/2024 17:17	WG2260037

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	439		3.79	10.0	10	04/04/2024 05:47	WG2259791
Fluoride	2.61		0.640	1.50	10	04/18/2024 20:18	WG2269796
Nitrate	1.75	B	0.480	1.00	10	04/04/2024 05:47	WG2259791
Nitrite	0.634	B J	0.420	1.00	10	04/04/2024 05:47	WG2259791
Sulfate	2830		59.4	500	100	04/04/2024 06:01	WG2259791

Sample Narrative:

L1721739-32 WG2259791: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00292		0.000180	0.00200	1	04/10/2024 18:54	WG2260469
Arsenic,Dissolved	0.00279		0.000180	0.00200	1	04/10/2024 21:02	WG2260457
Barium	0.00682		0.000381	0.00200	1	04/10/2024 18:54	WG2260469
Barium,Dissolved	0.00657		0.000381	0.00200	1	04/10/2024 21:02	WG2260457
Calcium	515		0.0936	1.00	1	04/10/2024 18:54	WG2260469
Chromium	U		0.00124	0.00200	1	04/10/2024 18:54	WG2260469
Chromium,Dissolved	U		0.00124	0.00200	1	04/10/2024 21:02	WG2260457
Iron	U		0.0281	0.100	1	04/10/2024 18:54	WG2260469
Iron,Dissolved	U		0.0281	0.100	1	04/10/2024 21:02	WG2260457
Lead	U		0.000849	0.00200	1	04/10/2024 18:54	WG2260469
Lead,Dissolved	U		0.000849	0.00200	1	04/10/2024 21:02	WG2260457
Manganese	0.193		0.000704	0.00500	1	04/10/2024 18:54	WG2260469
Manganese,Dissolved	0.170		0.000704	0.00500	1	04/10/2024 21:02	WG2260457
Potassium	4.29		0.108	2.00	1	04/10/2024 18:54	WG2260469
Selenium	0.0151		0.000300	0.00200	1	04/10/2024 18:54	WG2260469
Selenium,Dissolved	0.0147		0.000300	0.00200	1	04/10/2024 21:02	WG2260457
Sodium	414		0.376	2.00	1	04/10/2024 18:54	WG2260469

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 03:18	WG2261667
Benzene	U		0.0000941	0.00100	1	04/06/2024 03:18	WG2261667
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 03:18	WG2261667
Bromoform	U		0.000129	0.00100	1	04/06/2024 03:18	WG2261667
Bromomethane	U		0.000605	0.00500	1	04/06/2024 03:18	WG2261667
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 03:18	WG2261667
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2024 03:18	WG2261667
Carbon disulfide	U		0.0000962	0.00100	1	04/06/2024 03:18	WG2261667
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 03:18	WG2261667
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 03:18	WG2261667
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 03:18	WG2261667
Chloroethane	U		0.000192	0.00500	1	04/06/2024 03:18	WG2261667
Chloroform	U		0.000111	0.00500	1	04/06/2024 03:18	WG2261667
Chloromethane	U		0.000960	0.00250	1	04/06/2024 03:18	WG2261667
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 03:18	WG2261667
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 03:18	WG2261667

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 03:18	WG2261667
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 03:18	WG2261667
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 03:18	WG2261667
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 03:18	WG2261667
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 03:18	WG2261667
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 03:18	WG2261667
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 03:18	WG2261667
Ethylbenzene	U		0.000137	0.00100	1	04/06/2024 03:18	WG2261667
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2024 03:18	WG2261667
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 03:18	WG2261667
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 03:18	WG2261667
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 03:18	WG2261667
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 03:18	WG2261667
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 03:18	WG2261667
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/06/2024 03:18	WG2261667
Naphthalene	U		0.00100	0.00500	1	04/06/2024 03:18	WG2261667
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2024 03:18	WG2261667
Styrene	U		0.000118	0.00100	1	04/06/2024 03:18	WG2261667
tert-Butyl alcohol	U		0.00406	0.00500	1	04/06/2024 03:18	WG2261667
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 03:18	WG2261667
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 03:18	WG2261667
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 03:18	WG2261667
Toluene	U		0.000278	0.00100	1	04/06/2024 03:18	WG2261667
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 03:18	WG2261667
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 03:18	WG2261667
Trichloroethene	U		0.000190	0.00100	1	04/06/2024 03:18	WG2261667
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2024 03:18	WG2261667
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2024 03:18	WG2261667
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 03:18	WG2261667
o-Xylene	U		0.000174	0.00100	1	04/06/2024 03:18	WG2261667
m&p-Xylene	U		0.000430	0.00200	1	04/06/2024 03:18	WG2261667
Xylenes, Total	U		0.000174	0.00300	1	04/06/2024 03:18	WG2261667
(S) Toluene-d8	*109*			*80.0-120*		*04/06/2024 03:18*	WG2261667
(S) 4-Bromofluorobenzene	*95.3*			*77.0-126*		*04/06/2024 03:18*	WG2261667
(S) 1,2-Dichloroethane-d4	*85.4*			*70.0-130*		*04/06/2024 03:18*	WG2261667

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.105		0.0247	0.100	1	04/14/2024 14:57	WG2262352
(S) o-Terphenyl	*85.8*			*52.0-156*		*04/14/2024 14:57*	WG2262352

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2310		50.0	1	04/04/2024 14:00	WG2260028

Wet Chemistry by Method 4500CN E-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Cyanide	U	J6	0.00180	0.00500	1	04/09/2024 08:34	WG2262748

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	354		3.79	10.0	10	04/04/2024 06:14	WG2259791
Fluoride	0.849	J	0.640	1.50	10	04/04/2024 06:14	WG2259791
Nitrate	0.728	B J	0.480	1.00	10	04/04/2024 06:14	WG2259791
Nitrite	0.557	B J	0.420	1.00	10	04/04/2024 06:14	WG2259791
Sulfate	1180		5.94	50.0	10	04/04/2024 06:14	WG2259791

Sample Narrative:

L1721739-33 WG2259791: Dilution due to matrix.

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	04/06/2024 20:25	WG2260517
Mercury,Dissolved	U		0.000100	0.000200	1	04/04/2024 11:02	WG2259694

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.364		0.0200	0.200	1	04/08/2024 22:41	WG2260462
Boron,Dissolved	0.380		0.0200	0.200	1	04/05/2024 12:57	WG2260380

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00105	J	0.000180	0.00200	1	04/10/2024 18:58	WG2260469
Arsenic,Dissolved	0.00124	J	0.000180	0.00200	1	04/10/2024 21:05	WG2260457
Barium	0.0268		0.000381	0.00200	1	04/10/2024 18:58	WG2260469
Barium,Dissolved	0.0247		0.000381	0.00200	1	04/10/2024 21:05	WG2260457
Cadmium	U		0.000150	0.00100	1	04/10/2024 18:58	WG2260469
Cadmium,Dissolved	U		0.000150	0.00100	1	04/10/2024 21:05	WG2260457
Calcium	370		0.0936	1.00	1	04/10/2024 18:58	WG2260469
Chromium	U		0.00124	0.00200	1	04/10/2024 18:58	WG2260469
Chromium,Dissolved	U		0.00124	0.00200	1	04/10/2024 21:05	WG2260457
Cobalt	0.0000840	J	0.0000596	0.00200	1	04/10/2024 18:58	WG2260469
Cobalt,Dissolved	0.0000919	J	0.0000596	0.00200	1	04/10/2024 21:05	WG2260457
Iron	8.05		0.0281	0.100	1	04/10/2024 18:58	WG2260469
Iron,Dissolved	8.19		0.0281	0.100	1	04/10/2024 21:05	WG2260457
Lead	U		0.000849	0.00200	1	04/10/2024 18:58	WG2260469
Lead,Dissolved	U		0.000849	0.00200	1	04/10/2024 21:05	WG2260457
Manganese	0.945		0.000704	0.00500	1	04/10/2024 18:58	WG2260469
Manganese,Dissolved	0.905		0.000704	0.00500	1	04/10/2024 21:05	WG2260457
Nickel	U		0.000816	0.00200	1	04/10/2024 18:58	WG2260469
Nickel,Dissolved	U		0.000816	0.00200	1	04/10/2024 21:05	WG2260457

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Potassium	0.782	J	0.108	2.00	1	04/10/2024 18:58	WG2260469
Selenium	U		0.000300	0.00200	1	04/10/2024 18:58	WG2260469
Selenium,Dissolved	U		0.000300	0.00200	1	04/10/2024 21:05	WG2260457
Sodium	251		0.376	2.00	1	04/10/2024 18:58	WG2260469
Uranium	0.00472		0.0000789	0.00100	1	04/10/2024 18:58	WG2260469
Uranium,Dissolved	0.00484		0.0000789	0.00100	1	04/10/2024 21:05	WG2260457
Vanadium	0.00319	J	0.000664	0.00500	1	04/10/2024 18:58	WG2260469
Vanadium,Dissolved	0.00275	J	0.000664	0.00500	1	04/10/2024 21:05	WG2260457

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0987	J	0.0314	0.100	1	04/05/2024 19:48	WG2261420
(S) a,a,a-Trifluorotoluene(FID)	*90.3*			*78.0-120*		*04/05/2024 19:48*	WG2261420

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 03:39	WG2261667
Benzene	0.000110	J	0.0000941	0.00100	1	04/06/2024 03:39	WG2261667
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 03:39	WG2261667
Bromoform	U		0.000129	0.00100	1	04/06/2024 03:39	WG2261667
Bromomethane	U		0.000605	0.00500	1	04/06/2024 03:39	WG2261667
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 03:39	WG2261667
sec-Butylbenzene	0.000908	J	0.000125	0.00100	1	04/06/2024 03:39	WG2261667
Carbon disulfide	U		0.0000962	0.00100	1	04/06/2024 03:39	WG2261667
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 03:39	WG2261667
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 03:39	WG2261667
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 03:39	WG2261667
Chloroethane	U		0.000192	0.00500	1	04/06/2024 03:39	WG2261667
Chloroform	U		0.000111	0.00500	1	04/06/2024 03:39	WG2261667
Chloromethane	U		0.000960	0.00250	1	04/06/2024 03:39	WG2261667
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 03:39	WG2261667
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 03:39	WG2261667
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 03:39	WG2261667
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 03:39	WG2261667
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 03:39	WG2261667
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 03:39	WG2261667
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 03:39	WG2261667
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 03:39	WG2261667
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 03:39	WG2261667
Ethylbenzene	U		0.000137	0.00100	1	04/06/2024 03:39	WG2261667
Isopropylbenzene	0.00151		0.000105	0.00100	1	04/06/2024 03:39	WG2261667
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 03:39	WG2261667
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 03:39	WG2261667
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 03:39	WG2261667
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 03:39	WG2261667
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 03:39	WG2261667
Methyl tert-butyl ether	0.000749	J	0.000101	0.00100	1	04/06/2024 03:39	WG2261667
Naphthalene	U		0.00100	0.00500	1	04/06/2024 03:39	WG2261667
n-Propylbenzene	0.000415	J	0.0000993	0.00100	1	04/06/2024 03:39	WG2261667
Styrene	U		0.000118	0.00100	1	04/06/2024 03:39	WG2261667
tert-Butyl alcohol	0.00879		0.00406	0.00500	1	04/06/2024 03:39	WG2261667
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 03:39	WG2261667
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 03:39	WG2261667

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 03:39	WG2261667
Toluene	U		0.000278	0.00100	1	04/06/2024 03:39	WG2261667
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 03:39	WG2261667
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 03:39	WG2261667
Trichloroethene	U		0.000190	0.00100	1	04/06/2024 03:39	WG2261667
1,2,4-Trimethylbenzene	0.000476	J	0.000322	0.00100	1	04/06/2024 03:39	WG2261667
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2024 03:39	WG2261667
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 03:39	WG2261667
o-Xylene	U		0.000174	0.00100	1	04/06/2024 03:39	WG2261667
m&p-Xylene	U		0.000430	0.00200	1	04/06/2024 03:39	WG2261667
Xylenes, Total	U		0.000174	0.00300	1	04/06/2024 03:39	WG2261667
(S) Toluene-d8	*108*			*80.0-120*		*04/06/2024 03:39*	WG2261667
(S) 4-Bromofluorobenzene	*90.6*			*77.0-126*		*04/06/2024 03:39*	WG2261667
(S) 1,2-Dichloroethane-d4	*83.3*			*70.0-130*		*04/06/2024 03:39*	WG2261667

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.872		0.0247	0.100	1	04/10/2024 17:49	WG2262352
(S) o-Terphenyl	*102*			*52.0-156*		*04/10/2024 17:49*	WG2262352

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3090		50.0	1	04/05/2024 17:17	WG2260037

Wet Chemistry by Method 4500CN E-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Cyanide	U		0.00180	0.00500	1	04/09/2024 08:41	WG2262748

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	327		3.79	10.0	10	04/04/2024 06:42	WG2259791
Fluoride	0.794	J	0.640	1.50	10	04/04/2024 06:42	WG2259791
Nitrate	1.54	B	0.480	1.00	10	04/04/2024 06:42	WG2259791
Nitrite	0.561	B J	0.420	1.00	10	04/04/2024 06:42	WG2259791
Sulfate	1440		5.94	50.0	10	04/04/2024 06:42	WG2259791

Sample Narrative:

L1721739-34 WG2259791: Dilution due to matrix.

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	04/06/2024 20:27	WG2260517
Mercury,Dissolved	U		0.000100	0.000200	1	04/04/2024 11:05	WG2259694

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.121	J	0.0200	0.200	1	04/08/2024 22:45	WG2260462
Boron,Dissolved	0.133	J	0.0200	0.200	1	04/05/2024 12:58	WG2260380

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00151	J	0.000180	0.00200	1	04/10/2024 19:01	WG2260469
Arsenic,Dissolved	0.00161	J	0.000180	0.00200	1	04/10/2024 21:08	WG2260457
Barium	0.0146		0.000381	0.00200	1	04/10/2024 19:01	WG2260469
Barium,Dissolved	0.0128		0.000381	0.00200	1	04/10/2024 21:08	WG2260457
Cadmium	U		0.000150	0.00100	1	04/10/2024 19:01	WG2260469
Cadmium,Dissolved	U		0.000150	0.00100	1	04/10/2024 21:08	WG2260457
Calcium	534		0.0936	1.00	1	04/10/2024 19:01	WG2260469
Chromium	U		0.00124	0.00200	1	04/10/2024 19:01	WG2260469
Chromium,Dissolved	U		0.00124	0.00200	1	04/10/2024 21:08	WG2260457
Cobalt	U		0.0000596	0.00200	1	04/10/2024 19:01	WG2260469
Cobalt,Dissolved	U		0.0000596	0.00200	1	04/10/2024 21:08	WG2260457
Iron	U		0.0281	0.100	1	04/10/2024 19:01	WG2260469
Iron,Dissolved	U		0.0281	0.100	1	04/10/2024 21:08	WG2260457
Lead	U		0.000849	0.00200	1	04/10/2024 19:01	WG2260469
Lead,Dissolved	U		0.000849	0.00200	1	04/10/2024 21:08	WG2260457
Manganese	0.00330	J	0.000704	0.00500	1	04/10/2024 19:01	WG2260469
Manganese,Dissolved	0.00280	J	0.000704	0.00500	1	04/10/2024 21:08	WG2260457
Nickel	U		0.000816	0.00200	1	04/10/2024 19:01	WG2260469
Nickel,Dissolved	U		0.000816	0.00200	1	04/10/2024 21:08	WG2260457

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Potassium	2.40		0.108	2.00	1	04/10/2024 19:01	WG2260469
Selenium	0.00470		0.000300	0.00200	1	04/10/2024 19:01	WG2260469
Selenium,Dissolved	0.00491		0.000300	0.00200	1	04/10/2024 21:08	WG2260457
Sodium	115		0.376	2.00	1	04/10/2024 19:01	WG2260469
Uranium	0.0158		0.0000789	0.00100	1	04/10/2024 19:01	WG2260469
Uranium,Dissolved	0.0152		0.0000789	0.00100	1	04/10/2024 21:08	WG2260457
Vanadium	0.00930		0.000664	0.00500	1	04/10/2024 19:01	WG2260469
Vanadium,Dissolved	0.00932		0.000664	0.00500	1	04/10/2024 21:08	WG2260457

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/05/2024 20:10	WG2261420
(S) a,a,a-Trifluorotoluene(FID)	*91.1*			*78.0-120*		*04/05/2024 20:10*	WG2261420

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 03:59	WG2261667
Benzene	U		0.0000941	0.00100	1	04/06/2024 03:59	WG2261667
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 03:59	WG2261667
Bromoform	U		0.000129	0.00100	1	04/06/2024 03:59	WG2261667
Bromomethane	U		0.000605	0.00500	1	04/06/2024 03:59	WG2261667
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 03:59	WG2261667
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2024 03:59	WG2261667
Carbon disulfide	U		0.0000962	0.00100	1	04/06/2024 03:59	WG2261667
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 03:59	WG2261667
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 03:59	WG2261667
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 03:59	WG2261667
Chloroethane	U		0.000192	0.00500	1	04/06/2024 03:59	WG2261667
Chloroform	U		0.000111	0.00500	1	04/06/2024 03:59	WG2261667
Chloromethane	U		0.000960	0.00250	1	04/06/2024 03:59	WG2261667
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 03:59	WG2261667
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 03:59	WG2261667
1,2-Dichloroethane	0.000193	J	0.0000819	0.00100	1	04/06/2024 03:59	WG2261667
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 03:59	WG2261667
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 03:59	WG2261667
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 03:59	WG2261667
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 03:59	WG2261667
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 03:59	WG2261667
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 03:59	WG2261667
Ethylbenzene	U		0.000137	0.00100	1	04/06/2024 03:59	WG2261667
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2024 03:59	WG2261667
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 03:59	WG2261667
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 03:59	WG2261667
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 03:59	WG2261667
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 03:59	WG2261667
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 03:59	WG2261667
Methyl tert-butyl ether	0.000897	J	0.000101	0.00100	1	04/06/2024 03:59	WG2261667
Naphthalene	U		0.00100	0.00500	1	04/06/2024 03:59	WG2261667
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2024 03:59	WG2261667
Styrene	U		0.000118	0.00100	1	04/06/2024 03:59	WG2261667
tert-Butyl alcohol	U		0.00406	0.00500	1	04/06/2024 03:59	WG2261667
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 03:59	WG2261667
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 03:59	WG2261667

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 03:59	WG2261667
Toluene	U		0.000278	0.00100	1	04/06/2024 03:59	WG2261667
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 03:59	WG2261667
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 03:59	WG2261667
Trichloroethene	U		0.000190	0.00100	1	04/06/2024 03:59	WG2261667
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2024 03:59	WG2261667
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2024 03:59	WG2261667
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 03:59	WG2261667
o-Xylene	U		0.000174	0.00100	1	04/06/2024 03:59	WG2261667
m&p-Xylene	U		0.000430	0.00200	1	04/06/2024 03:59	WG2261667
Xylenes, Total	U		0.000174	0.00300	1	04/06/2024 03:59	WG2261667
(S) Toluene-d8	*110*			*80.0-120*		*04/06/2024 03:59*	WG2261667
(S) 4-Bromofluorobenzene	*94.1*			*77.0-126*		*04/06/2024 03:59*	WG2261667
(S) 1,2-Dichloroethane-d4	*83.4*			*70.0-130*		*04/06/2024 03:59*	WG2261667

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0949	J	0.0247	0.100	1	04/10/2024 18:10	WG2262352
(S) o-Terphenyl	*81.1*			*52.0-156*		*04/10/2024 18:10*	WG2262352

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4680		50.0	1	04/05/2024 17:17	WG2260037

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	250		3.79	10.0	10	04/04/2024 04:08	WG2259802
Fluoride	4.63		0.640	1.50	10	04/04/2024 04:08	WG2259802
Nitrate	U		0.480	1.00	10	04/04/2024 04:08	WG2259802
Nitrite	U		4.20	10.0	100	04/04/2024 04:23	WG2259802
Sulfate	2840		59.4	500	100	04/04/2024 04:23	WG2259802

Sample Narrative:

L1721739-35 WG2259802: Dilution due to matrix.

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	04/06/2024 20:29	WG2260517
Mercury,Dissolved	U		0.000100	0.000200	1	04/04/2024 11:07	WG2259694

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.721		0.0200	0.200	1	04/08/2024 22:49	WG2260462
Boron,Dissolved	0.725		0.0200	0.200	1	04/05/2024 13:00	WG2260380

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00616		0.000180	0.00200	1	04/10/2024 19:04	WG2260469
Arsenic,Dissolved	0.00585		0.000180	0.00200	1	04/10/2024 21:12	WG2260457
Barium	0.0127		0.000381	0.00200	1	04/10/2024 19:04	WG2260469
Barium,Dissolved	0.00976		0.000381	0.00200	1	04/10/2024 21:12	WG2260457
Cadmium	U		0.000150	0.00100	1	04/10/2024 19:04	WG2260469
Cadmium,Dissolved	U		0.000150	0.00100	1	04/10/2024 21:12	WG2260457
Calcium	596		0.0936	1.00	1	04/10/2024 19:04	WG2260469
Chromium	U		0.00124	0.00200	1	04/10/2024 19:04	WG2260469
Chromium,Dissolved	U		0.00124	0.00200	1	04/10/2024 21:12	WG2260457
Cobalt	0.000415	J	0.0000596	0.00200	1	04/10/2024 19:04	WG2260469
Cobalt,Dissolved	0.0000810	J	0.0000596	0.00200	1	04/10/2024 21:12	WG2260457
Iron	0.901		0.0281	0.100	1	04/10/2024 19:04	WG2260469
Iron,Dissolved	U		0.0281	0.100	1	04/10/2024 21:12	WG2260457
Lead	U		0.000849	0.00200	1	04/10/2024 19:04	WG2260469
Lead,Dissolved	U		0.000849	0.00200	1	04/10/2024 21:12	WG2260457
Manganese	0.0105		0.000704	0.00500	1	04/10/2024 19:04	WG2260469
Manganese,Dissolved	U		0.000704	0.00500	1	04/10/2024 21:12	WG2260457
Nickel	0.0404		0.000816	0.00200	1	04/10/2024 19:04	WG2260469
Nickel,Dissolved	0.00153	B J	0.000816	0.00200	1	04/10/2024 21:12	WG2260457
Potassium	2.26		0.108	2.00	1	04/10/2024 19:04	WG2260469
Selenium	0.0166		0.000300	0.00200	1	04/10/2024 19:04	WG2260469
Selenium,Dissolved	0.0167		0.000300	0.00200	1	04/10/2024 21:12	WG2260457
Sodium	186		0.376	2.00	1	04/10/2024 19:04	WG2260469
Uranium	0.0494		0.0000789	0.00100	1	04/10/2024 19:04	WG2260469
Uranium,Dissolved	0.0466		0.0000789	0.00100	1	04/10/2024 21:12	WG2260457

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Vanadium	0.0353		0.000664	0.00500	1	04/10/2024 19:04	WG2260469
Vanadium,Dissolved	0.0327		0.000664	0.00500	1	04/10/2024 21:12	WG2260457

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/05/2024 20:33	WG2261420
(S) a,a,a-Trifluorotoluene(FID)	*90.8*			*78.0-120*		*04/05/2024 20:33*	WG2261420

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 04:20	WG2261667
Benzene	U		0.0000941	0.00100	1	04/06/2024 04:20	WG2261667
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 04:20	WG2261667
Bromoform	U		0.000129	0.00100	1	04/06/2024 04:20	WG2261667
Bromomethane	U		0.000605	0.00500	1	04/06/2024 04:20	WG2261667
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 04:20	WG2261667
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2024 04:20	WG2261667
Carbon disulfide	U		0.0000962	0.00100	1	04/06/2024 04:20	WG2261667
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 04:20	WG2261667
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 04:20	WG2261667
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 04:20	WG2261667
Chloroethane	U		0.000192	0.00500	1	04/06/2024 04:20	WG2261667
Chloroform	U		0.000111	0.00500	1	04/06/2024 04:20	WG2261667
Chloromethane	U		0.000960	0.00250	1	04/06/2024 04:20	WG2261667
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 04:20	WG2261667
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 04:20	WG2261667
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 04:20	WG2261667
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 04:20	WG2261667
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 04:20	WG2261667
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 04:20	WG2261667
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 04:20	WG2261667
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 04:20	WG2261667
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 04:20	WG2261667
Ethylbenzene	U		0.000137	0.00100	1	04/06/2024 04:20	WG2261667
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2024 04:20	WG2261667
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 04:20	WG2261667
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 04:20	WG2261667
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 04:20	WG2261667
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 04:20	WG2261667
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 04:20	WG2261667
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/06/2024 04:20	WG2261667
Naphthalene	U		0.00100	0.00500	1	04/06/2024 04:20	WG2261667
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2024 04:20	WG2261667
Styrene	U		0.000118	0.00100	1	04/06/2024 04:20	WG2261667
tert-Butyl alcohol	U		0.00406	0.00500	1	04/06/2024 04:20	WG2261667
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 04:20	WG2261667
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 04:20	WG2261667
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 04:20	WG2261667
Toluene	U		0.000278	0.00100	1	04/06/2024 04:20	WG2261667
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 04:20	WG2261667
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 04:20	WG2261667
Trichloroethene	U		0.000190	0.00100	1	04/06/2024 04:20	WG2261667
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2024 04:20	WG2261667

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2024 04:20	WG2261667
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 04:20	WG2261667
o-Xylene	U		0.000174	0.00100	1	04/06/2024 04:20	WG2261667
m&p-Xylene	U		0.000430	0.00200	1	04/06/2024 04:20	WG2261667
Xylenes, Total	U		0.000174	0.00300	1	04/06/2024 04:20	WG2261667
(S) Toluene-d8	*109*			*80.0-120*		*04/06/2024 04:20*	WG2261667
(S) 4-Bromofluorobenzene	*95.5*			*77.0-126*		*04/06/2024 04:20*	WG2261667
(S) 1,2-Dichloroethane-d4	*84.9*			*70.0-130*		*04/06/2024 04:20*	WG2261667

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	04/10/2024 23:16	WG2262353
(S) o-Terphenyl	*86.8*			*52.0-156*		*04/10/2024 23:16*	WG2262353

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2840		50.0	1	04/04/2024 14:00	WG2260028

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	265		3.79	10.0	10	04/04/2024 04:38	WG2259802
Fluoride	1.81		0.640	1.50	10	04/04/2024 04:38	WG2259802
Nitrate	U		0.480	1.00	10	04/04/2024 04:38	WG2259802
Nitrite	U		4.20	10.0	100	04/04/2024 04:53	WG2259802
Sulfate	2200		59.4	500	100	04/04/2024 04:53	WG2259802

Sample Narrative:

L1721739-36 WG2259802: Dilution due to matrix.

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	04/06/2024 20:32	WG2260517
Mercury,Dissolved	U		0.000100	0.000200	1	04/04/2024 11:10	WG2259694

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.497		0.0200	0.200	1	04/08/2024 22:53	WG2260462
Boron,Dissolved	0.490		0.0200	0.200	1	04/05/2024 13:02	WG2260380

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00403		0.000180	0.00200	1	04/10/2024 19:08	WG2260469
Arsenic,Dissolved	0.00390		0.000180	0.00200	1	04/10/2024 21:15	WG2260457
Barium	0.0107		0.000381	0.00200	1	04/10/2024 19:08	WG2260469
Barium,Dissolved	0.00834		0.000381	0.00200	1	04/10/2024 21:15	WG2260457
Cadmium	U		0.000150	0.00100	1	04/10/2024 19:08	WG2260469
Cadmium,Dissolved	U		0.000150	0.00100	1	04/10/2024 21:15	WG2260457
Calcium	558		0.0936	1.00	1	04/10/2024 19:08	WG2260469
Chromium	U		0.00124	0.00200	1	04/10/2024 19:08	WG2260469
Chromium,Dissolved	U		0.00124	0.00200	1	04/10/2024 21:15	WG2260457
Cobalt	0.000678	J	0.0000596	0.00200	1	04/10/2024 19:08	WG2260469
Cobalt,Dissolved	0.000116	J	0.0000596	0.00200	1	04/10/2024 21:15	WG2260457
Iron	0.102		0.0281	0.100	1	04/10/2024 19:08	WG2260469
Iron,Dissolved	U		0.0281	0.100	1	04/10/2024 21:15	WG2260457
Lead	U		0.000849	0.00200	1	04/10/2024 19:08	WG2260469
Lead,Dissolved	U		0.000849	0.00200	1	04/10/2024 21:15	WG2260457
Manganese	0.0102		0.000704	0.00500	1	04/10/2024 19:08	WG2260469
Manganese,Dissolved	0.00279	J	0.000704	0.00500	1	04/10/2024 21:15	WG2260457
Nickel	0.00129	J	0.000816	0.00200	1	04/10/2024 19:08	WG2260469
Nickel,Dissolved	0.00112	B J	0.000816	0.00200	1	04/10/2024 21:15	WG2260457
Potassium	0.675	J	0.108	2.00	1	04/10/2024 19:08	WG2260469
Selenium	0.00490		0.000300	0.00200	1	04/10/2024 19:08	WG2260469
Selenium,Dissolved	0.00431		0.000300	0.00200	1	04/10/2024 21:15	WG2260457
Sodium	170		0.376	2.00	1	04/10/2024 19:08	WG2260469
Uranium	0.0451		0.0000789	0.00100	1	04/10/2024 19:08	WG2260469
Uranium,Dissolved	0.0421		0.0000789	0.00100	1	04/10/2024 21:15	WG2260457

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Vanadium	0.0184		0.000664	0.00500	1	04/10/2024 19:08	WG2260469
Vanadium,Dissolved	0.0169		0.000664	0.00500	1	04/10/2024 21:15	WG2260457

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/05/2024 20:56	WG2261420
(S) a,a,a-Trifluorotoluene(FID)	*89.7*			*78.0-120*		*04/05/2024 20:56*	WG2261420

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 04:40	WG2261667
Benzene	U		0.0000941	0.00100	1	04/06/2024 04:40	WG2261667
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 04:40	WG2261667
Bromoform	U		0.000129	0.00100	1	04/06/2024 04:40	WG2261667
Bromomethane	U		0.000605	0.00500	1	04/06/2024 04:40	WG2261667
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 04:40	WG2261667
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2024 04:40	WG2261667
Carbon disulfide	U		0.0000962	0.00100	1	04/06/2024 04:40	WG2261667
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 04:40	WG2261667
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 04:40	WG2261667
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 04:40	WG2261667
Chloroethane	U		0.000192	0.00500	1	04/06/2024 04:40	WG2261667
Chloroform	U		0.000111	0.00500	1	04/06/2024 04:40	WG2261667
Chloromethane	U		0.000960	0.00250	1	04/06/2024 04:40	WG2261667
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 04:40	WG2261667
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 04:40	WG2261667
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 04:40	WG2261667
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 04:40	WG2261667
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 04:40	WG2261667
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 04:40	WG2261667
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 04:40	WG2261667
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 04:40	WG2261667
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 04:40	WG2261667
Ethylbenzene	0.000207	J	0.000137	0.00100	1	04/06/2024 04:40	WG2261667
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2024 04:40	WG2261667
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 04:40	WG2261667
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 04:40	WG2261667
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 04:40	WG2261667
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 04:40	WG2261667
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 04:40	WG2261667
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/06/2024 04:40	WG2261667
Naphthalene	U		0.00100	0.00500	1	04/06/2024 04:40	WG2261667
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2024 04:40	WG2261667
Styrene	U		0.000118	0.00100	1	04/06/2024 04:40	WG2261667
tert-Butyl alcohol	U		0.00406	0.00500	1	04/06/2024 04:40	WG2261667
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 04:40	WG2261667
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 04:40	WG2261667
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 04:40	WG2261667
Toluene	U		0.000278	0.00100	1	04/06/2024 04:40	WG2261667
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 04:40	WG2261667
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 04:40	WG2261667
Trichloroethene	U		0.000190	0.00100	1	04/06/2024 04:40	WG2261667
1,2,4-Trimethylbenzene	0.000662	J	0.000322	0.00100	1	04/06/2024 04:40	WG2261667

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	0.000151	J	0.000104	0.00100	1	04/06/2024 04:40	WG2261667
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 04:40	WG2261667
o-Xylene	U		0.000174	0.00100	1	04/06/2024 04:40	WG2261667
m&p-Xylene	U		0.000430	0.00200	1	04/06/2024 04:40	WG2261667
Xylenes, Total	U		0.000174	0.00300	1	04/06/2024 04:40	WG2261667
(S) Toluene-d8	*111*			*80.0-120*		*04/06/2024 04:40*	WG2261667
(S) 4-Bromofluorobenzene	*93.7*			*77.0-126*		*04/06/2024 04:40*	WG2261667
(S) 1,2-Dichloroethane-d4	*85.6*			*70.0-130*		*04/06/2024 04:40*	WG2261667

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0867	J	0.0247	0.100	1	04/10/2024 23:37	WG2262353
(S) o-Terphenyl	*91.6*			*52.0-156*		*04/10/2024 23:37*	WG2262353

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2830		50.0	1	04/04/2024 14:00	WG2260028

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	245		3.79	10.0	10	04/04/2024 02:24	WG2259760
Fluoride	0.919	J	0.640	1.50	10	04/04/2024 02:24	WG2259760
Nitrate	U		0.480	1.00	10	04/04/2024 02:24	WG2259760
Nitrite	U		0.420	1.00	10	04/04/2024 02:24	WG2259760
Sulfate	2040		59.4	500	100	04/04/2024 05:19	WG2259760

Sample Narrative:

L1721739-37 WG2259760: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00391		0.000180	0.00200	1	04/10/2024 19:28	WG2260469
Arsenic,Dissolved	0.00434		0.000180	0.00200	1	04/11/2024 01:46	WG2260457
Barium	0.00979		0.000381	0.00200	1	04/10/2024 19:28	WG2260469
Barium,Dissolved	0.0132		0.000381	0.00200	1	04/11/2024 01:46	WG2260457
Calcium	553		0.0936	1.00	1	04/10/2024 19:28	WG2260469
Chromium	U		0.00124	0.00200	1	04/10/2024 19:28	WG2260469
Chromium,Dissolved	0.00184	J	0.00124	0.00200	1	04/11/2024 01:46	WG2260457
Iron	U		0.0281	0.100	1	04/10/2024 19:28	WG2260469
Iron,Dissolved	0.898		0.0281	0.100	1	04/11/2024 01:46	WG2260457
Lead	U		0.000849	0.00200	1	04/10/2024 19:28	WG2260469
Lead,Dissolved	U		0.000849	0.00200	1	04/11/2024 01:46	WG2260457
Manganese	0.0343		0.000704	0.00500	1	04/10/2024 19:28	WG2260469
Manganese,Dissolved	0.0504		0.000704	0.00500	1	04/11/2024 01:46	WG2260457
Potassium	2.39		0.108	2.00	1	04/10/2024 19:28	WG2260469
Selenium	0.00324		0.000300	0.00200	1	04/10/2024 19:28	WG2260469
Selenium,Dissolved	0.00316		0.000300	0.00200	1	04/11/2024 01:46	WG2260457
Sodium	184		0.376	2.00	1	04/10/2024 19:28	WG2260469

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/05/2024 21:19	WG2261420
(S) a,a,a-Trifluorotoluene(FID)	*90.5*			*78.0-120*		*04/05/2024 21:19*	WG2261420

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 05:01	WG2261667
Benzene	U		0.0000941	0.00100	1	04/06/2024 05:01	WG2261667
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 05:01	WG2261667
Bromoform	U		0.000129	0.00100	1	04/06/2024 05:01	WG2261667
Bromomethane	U		0.000605	0.00500	1	04/06/2024 05:01	WG2261667
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 05:01	WG2261667
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2024 05:01	WG2261667
Carbon disulfide	U		0.0000962	0.00100	1	04/06/2024 05:01	WG2261667
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 05:01	WG2261667

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 05:01	WG2261667
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 05:01	WG2261667
Chloroethane	U		0.000192	0.00500	1	04/06/2024 05:01	WG2261667
Chloroform	U		0.000111	0.00500	1	04/06/2024 05:01	WG2261667
Chloromethane	U		0.000960	0.00250	1	04/06/2024 05:01	WG2261667
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 05:01	WG2261667
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 05:01	WG2261667
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 05:01	WG2261667
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 05:01	WG2261667
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 05:01	WG2261667
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 05:01	WG2261667
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 05:01	WG2261667
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 05:01	WG2261667
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 05:01	WG2261667
Ethylbenzene	U		0.000137	0.00100	1	04/06/2024 05:01	WG2261667
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2024 05:01	WG2261667
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 05:01	WG2261667
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 05:01	WG2261667
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 05:01	WG2261667
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 05:01	WG2261667
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 05:01	WG2261667
Methyl tert-butyl ether	0.000143	J	0.000101	0.00100	1	04/06/2024 05:01	WG2261667
Naphthalene	U		0.00100	0.00500	1	04/06/2024 05:01	WG2261667
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2024 05:01	WG2261667
Styrene	U		0.000118	0.00100	1	04/06/2024 05:01	WG2261667
tert-Butyl alcohol	U		0.00406	0.00500	1	04/06/2024 05:01	WG2261667
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 05:01	WG2261667
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 05:01	WG2261667
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 05:01	WG2261667
Toluene	U		0.000278	0.00100	1	04/06/2024 05:01	WG2261667
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 05:01	WG2261667
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 05:01	WG2261667
Trichloroethene	U		0.000190	0.00100	1	04/06/2024 05:01	WG2261667
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2024 05:01	WG2261667
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2024 05:01	WG2261667
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 05:01	WG2261667
o-Xylene	U		0.000174	0.00100	1	04/06/2024 05:01	WG2261667
m&p-Xylene	U		0.000430	0.00200	1	04/06/2024 05:01	WG2261667
Xylenes, Total	U		0.000174	0.00300	1	04/06/2024 05:01	WG2261667
(S) Toluene-d8	*106*			*80.0-120*		*04/06/2024 05:01*	WG2261667
(S) 4-Bromofluorobenzene	*91.0*			*77.0-126*		*04/06/2024 05:01*	WG2261667
(S) 1,2-Dichloroethane-d4	*83.4*			*70.0-130*		*04/06/2024 05:01*	WG2261667

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.464		0.0247	0.100	1	04/14/2024 11:51	WG2262353
(S) o-Terphenyl	*80.5*			*52.0-156*		*04/14/2024 11:51*	WG2262353

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2540		50.0	1	04/04/2024 14:00	WG2260028

Wet Chemistry by Method 4500CN E-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Cyanide	U		0.00180	0.00500	1	04/09/2024 08:43	WG2262748

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	206		3.79	10.0	10	04/04/2024 03:37	WG2259796
Fluoride	1.60		0.640	1.50	10	04/13/2024 16:51	WG2266511
Nitrate	3.05		0.480	1.00	10	04/04/2024 03:37	WG2259796
Nitrite	U		0.420	1.00	10	04/04/2024 03:37	WG2259796
Sulfate	1950		5.94	50.0	10	04/04/2024 03:37	WG2259796

Sample Narrative:

L1721739-38 WG2259796: Dilution due to matrix.

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	04/06/2024 20:34	WG2260517
Mercury,Dissolved	U	J3 J6 O1	0.000100	0.000200	1	04/04/2024 10:30	WG2259694

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.695		0.0200	0.200	1	04/08/2024 23:04	WG2260462
Boron,Dissolved	0.686		0.0200	0.200	1	04/05/2024 13:03	WG2260380

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00327		0.000180	0.00200	1	04/10/2024 19:32	WG2260469
Arsenic,Dissolved	0.00339		0.000180	0.00200	1	04/11/2024 01:49	WG2260457
Barium	0.00866		0.000381	0.00200	1	04/10/2024 19:32	WG2260469
Barium,Dissolved	0.00909		0.000381	0.00200	1	04/11/2024 01:49	WG2260457
Cadmium	U		0.000150	0.00100	1	04/10/2024 19:32	WG2260469
Cadmium,Dissolved	U		0.000150	0.00100	1	04/11/2024 01:49	WG2260457
Calcium	390		0.0936	1.00	1	04/10/2024 19:32	WG2260469
Chromium	U		0.00124	0.00200	1	04/10/2024 19:32	WG2260469
Chromium,Dissolved	U		0.00124	0.00200	1	04/11/2024 01:49	WG2260457
Cobalt	0.00531		0.0000596	0.00200	1	04/10/2024 19:32	WG2260469
Cobalt,Dissolved	0.00598		0.0000596	0.00200	1	04/11/2024 01:49	WG2260457
Iron	0.0984	J	0.0281	0.100	1	04/10/2024 19:32	WG2260469
Iron,Dissolved	0.0481	J	0.0281	0.100	1	04/11/2024 01:49	WG2260457
Lead	U		0.000849	0.00200	1	04/10/2024 19:32	WG2260469
Lead,Dissolved	U		0.000849	0.00200	1	04/11/2024 01:49	WG2260457
Manganese	0.328		0.000704	0.00500	1	04/10/2024 19:32	WG2260469
Manganese,Dissolved	0.372		0.000704	0.00500	1	04/11/2024 01:49	WG2260457
Nickel	0.00625		0.000816	0.00200	1	04/10/2024 19:32	WG2260469
Nickel,Dissolved	0.00739	B	0.000816	0.00200	1	04/11/2024 01:49	WG2260457

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Potassium	0.834	J	0.108	2.00	1	04/10/2024 19:32	WG2260469
Selenium	U		0.000300	0.00200	1	04/10/2024 19:32	WG2260469
Selenium,Dissolved	U		0.000300	0.00200	1	04/11/2024 01:49	WG2260457
Sodium	197		0.376	2.00	1	04/10/2024 19:32	WG2260469
Uranium	0.00811		0.0000789	0.00100	1	04/10/2024 19:32	WG2260469
Uranium,Dissolved	0.00823		0.0000789	0.00100	1	04/11/2024 01:49	WG2260457
Vanadium	0.0170		0.000664	0.00500	1	04/10/2024 19:32	WG2260469
Vanadium,Dissolved	0.0179		0.000664	0.00500	1	04/11/2024 01:49	WG2260457

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 05:21	WG2261667
Benzene	0.000437	J	0.0000941	0.00100	1	04/06/2024 05:21	WG2261667
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 05:21	WG2261667
Bromoform	U		0.000129	0.00100	1	04/06/2024 05:21	WG2261667
Bromomethane	U		0.000605	0.00500	1	04/06/2024 05:21	WG2261667
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 05:21	WG2261667
sec-Butylbenzene	0.00137		0.000125	0.00100	1	04/06/2024 05:21	WG2261667
Carbon disulfide	U		0.0000962	0.00100	1	04/06/2024 05:21	WG2261667
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 05:21	WG2261667
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 05:21	WG2261667
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 05:21	WG2261667
Chloroethane	U		0.000192	0.00500	1	04/06/2024 05:21	WG2261667
Chloroform	U		0.000111	0.00500	1	04/06/2024 05:21	WG2261667
Chloromethane	U		0.000960	0.00250	1	04/06/2024 05:21	WG2261667
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 05:21	WG2261667
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 05:21	WG2261667
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 05:21	WG2261667
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 05:21	WG2261667
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 05:21	WG2261667
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 05:21	WG2261667
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 05:21	WG2261667
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 05:21	WG2261667
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 05:21	WG2261667
Ethylbenzene	0.00111		0.000137	0.00100	1	04/06/2024 05:21	WG2261667
Isopropylbenzene	0.00186		0.000105	0.00100	1	04/06/2024 05:21	WG2261667
p-Isopropyltoluene	0.000903	J	0.000120	0.00100	1	04/06/2024 05:21	WG2261667
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 05:21	WG2261667
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 05:21	WG2261667
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 05:21	WG2261667
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 05:21	WG2261667
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/06/2024 05:21	WG2261667
Naphthalene	0.00268	J	0.00100	0.00500	1	04/06/2024 05:21	WG2261667
n-Propylbenzene	0.00139		0.0000993	0.00100	1	04/06/2024 05:21	WG2261667
Styrene	U		0.000118	0.00100	1	04/06/2024 05:21	WG2261667
tert-Butyl alcohol	U		0.00406	0.00500	1	04/06/2024 05:21	WG2261667
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 05:21	WG2261667
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 05:21	WG2261667
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 05:21	WG2261667
Toluene	0.000413	J	0.000278	0.00100	1	04/06/2024 05:21	WG2261667
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 05:21	WG2261667
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 05:21	WG2261667
Trichloroethene	U		0.000190	0.00100	1	04/06/2024 05:21	WG2261667
1,2,4-Trimethylbenzene	0.0416		0.000322	0.00100	1	04/06/2024 05:21	WG2261667
1,3,5-Trimethylbenzene	0.00569		0.000104	0.00100	1	04/06/2024 05:21	WG2261667

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 05:21	WG2261667
o-Xylene	0.000420	J	0.000174	0.00100	1	04/06/2024 05:21	WG2261667
m&p-Xylene	0.0232		0.000430	0.00200	1	04/06/2024 05:21	WG2261667
Xylenes, Total	0.0236		0.000174	0.00300	1	04/06/2024 05:21	WG2261667
(S) Toluene-d8	*106*			*80.0-120*		*04/06/2024 05:21*	WG2261667
(S) 4-Bromofluorobenzene	*92.3*			*77.0-126*		*04/06/2024 05:21*	WG2261667
(S) 1,2-Dichloroethane-d4	*84.0*			*70.0-130*		*04/06/2024 05:21*	WG2261667

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.363		0.0247	0.100	1	04/14/2024 11:30	WG2262353
(S) o-Terphenyl	*102*			*52.0-156*		*04/14/2024 11:30*	WG2262353

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3130		50.0	1	04/04/2024 14:00	WG2260028

Wet Chemistry by Method 4500CN E-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Cyanide	U		0.00180	0.00500	1	04/09/2024 08:44	WG2262748

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	130		3.79	10.0	10	04/04/2024 03:51	WG2259796
Fluoride	U		0.640	1.50	10	04/04/2024 03:51	WG2259796
Nitrate	6.24		0.480	1.00	10	04/04/2024 03:51	WG2259796
Nitrite	U		0.420	1.00	10	04/04/2024 03:51	WG2259796
Sulfate	1940		59.4	500	100	04/04/2024 08:44	WG2259796

Sample Narrative:

L1721739-39 WG2259796: Dilution due to matrix.

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	04/06/2024 20:36	WG2260517
Mercury,Dissolved	U		0.000100	0.000200	1	04/04/2024 11:12	WG2259694

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.657		0.0200	0.200	1	04/08/2024 23:08	WG2260462
Boron,Dissolved	0.650		0.0200	0.200	1	04/05/2024 13:05	WG2260380

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00178	J	0.000180	0.00200	1	04/10/2024 19:35	WG2260469
Arsenic,Dissolved	0.00179	J	0.000180	0.00200	1	04/11/2024 01:53	WG2260457
Barium	0.0111		0.000381	0.00200	1	04/10/2024 19:35	WG2260469
Barium,Dissolved	0.0103		0.000381	0.00200	1	04/11/2024 01:53	WG2260457
Cadmium	U		0.000150	0.00100	1	04/10/2024 19:35	WG2260469
Cadmium,Dissolved	U		0.000150	0.00100	1	04/11/2024 01:53	WG2260457
Calcium	572		0.0936	1.00	1	04/10/2024 19:35	WG2260469
Chromium	U		0.00124	0.00200	1	04/10/2024 19:35	WG2260469
Chromium,Dissolved	U		0.00124	0.00200	1	04/11/2024 01:53	WG2260457
Cobalt	0.0000640	J	0.0000596	0.00200	1	04/10/2024 19:35	WG2260469
Cobalt,Dissolved	0.000103	J	0.0000596	0.00200	1	04/11/2024 01:53	WG2260457
Iron	0.0439	J	0.0281	0.100	1	04/10/2024 19:35	WG2260469
Iron,Dissolved	U		0.0281	0.100	1	04/11/2024 01:53	WG2260457
Lead	U		0.000849	0.00200	1	04/10/2024 19:35	WG2260469
Lead,Dissolved	U		0.000849	0.00200	1	04/11/2024 01:53	WG2260457
Manganese	0.00272	J	0.000704	0.00500	1	04/10/2024 19:35	WG2260469
Manganese,Dissolved	U		0.000704	0.00500	1	04/11/2024 01:53	WG2260457
Nickel	0.000833	J	0.000816	0.00200	1	04/10/2024 19:35	WG2260469
Nickel,Dissolved	U		0.000816	0.00200	1	04/11/2024 01:53	WG2260457

Received by OCD: 6/12/2025 1:19:15 PM

KWD-12B
Collected date/time: 04/02/24 10:45
L1721739

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Potassium	0.745	J	0.108	2.00	1	04/10/2024 19:35	WG2260469
Selenium	0.00208		0.000300	0.00200	1	04/10/2024 19:35	WG2260469
Selenium,Dissolved	0.00207		0.000300	0.00200	1	04/11/2024 01:53	WG2260457
Sodium	141		0.376	2.00	1	04/10/2024 19:35	WG2260469
Uranium	0.0301		0.0000789	0.00100	1	04/10/2024 19:35	WG2260469
Uranium,Dissolved	0.0308		0.0000789	0.00100	1	04/11/2024 01:53	WG2260457
Vanadium	0.0136		0.000664	0.00500	1	04/10/2024 19:35	WG2260469
Vanadium,Dissolved	0.0134		0.000664	0.00500	1	04/11/2024 01:53	WG2260457

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/05/2024 21:42	WG2261420
(S) a,a,a-Trifluorotoluene(FID)	*91.2*			*78.0-120*		*04/05/2024 21:42*	WG2261420

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 05:42	WG2261667
Benzene	0.000101	J	0.0000941	0.00100	1	04/06/2024 05:42	WG2261667
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 05:42	WG2261667
Bromoform	U		0.000129	0.00100	1	04/06/2024 05:42	WG2261667
Bromomethane	U		0.000605	0.00500	1	04/06/2024 05:42	WG2261667
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 05:42	WG2261667
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2024 05:42	WG2261667
Carbon disulfide	U		0.0000962	0.00100	1	04/06/2024 05:42	WG2261667
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 05:42	WG2261667
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 05:42	WG2261667
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 05:42	WG2261667
Chloroethane	U		0.000192	0.00500	1	04/06/2024 05:42	WG2261667
Chloroform	U		0.000111	0.00500	1	04/06/2024 05:42	WG2261667
Chloromethane	U		0.000960	0.00250	1	04/06/2024 05:42	WG2261667
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 05:42	WG2261667
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 05:42	WG2261667
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 05:42	WG2261667
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 05:42	WG2261667
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 05:42	WG2261667
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 05:42	WG2261667
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 05:42	WG2261667
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 05:42	WG2261667
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 05:42	WG2261667
Ethylbenzene	0.000278	J	0.000137	0.00100	1	04/06/2024 05:42	WG2261667
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2024 05:42	WG2261667
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 05:42	WG2261667
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 05:42	WG2261667
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 05:42	WG2261667
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 05:42	WG2261667
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 05:42	WG2261667
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/06/2024 05:42	WG2261667
Naphthalene	U		0.00100	0.00500	1	04/06/2024 05:42	WG2261667
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2024 05:42	WG2261667
Styrene	U		0.000118	0.00100	1	04/06/2024 05:42	WG2261667
tert-Butyl alcohol	U		0.00406	0.00500	1	04/06/2024 05:42	WG2261667
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 05:42	WG2261667
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 05:42	WG2261667

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Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 05:42	WG2261667
Toluene	U		0.000278	0.00100	1	04/06/2024 05:42	WG2261667
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 05:42	WG2261667
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 05:42	WG2261667
Trichloroethene	U		0.000190	0.00100	1	04/06/2024 05:42	WG2261667
1,2,4-Trimethylbenzene	0.000641	J	0.000322	0.00100	1	04/06/2024 05:42	WG2261667
1,3,5-Trimethylbenzene	0.000166	J	0.000104	0.00100	1	04/06/2024 05:42	WG2261667
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 05:42	WG2261667
o-Xylene	U		0.000174	0.00100	1	04/06/2024 05:42	WG2261667
m&p-Xylene	0.000544	J	0.000430	0.00200	1	04/06/2024 05:42	WG2261667
Xylenes, Total	0.000544	J	0.000174	0.00300	1	04/06/2024 05:42	WG2261667
(S) Toluene-d8	*107*			*80.0-120*		*04/06/2024 05:42*	WG2261667
(S) 4-Bromofluorobenzene	*89.1*			*77.0-126*		*04/06/2024 05:42*	WG2261667
(S) 1,2-Dichloroethane-d4	*85.0*			*70.0-130*		*04/06/2024 05:42*	WG2261667

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0767	J	0.0247	0.100	1	04/11/2024 00:39	WG2262353
(S) o-Terphenyl	*91.1*			*52.0-156*		*04/11/2024 00:39*	WG2262353

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3210		50.0	1	04/07/2024 09:55	WG2260053

Wet Chemistry by Method 4500CN E-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Cyanide	U		0.0180	0.0500	10	04/09/2024 08:45	WG2262748

Sample Narrative:

L1721739-40 WG2262748: dilution due to sample matrix(no2no3 interference)

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	98.9		3.79	10.0	10	04/04/2024 04:05	WG2259796
Fluoride	U		6.40	15.0	100	04/04/2024 08:57	WG2259796
Nitrate	19.5		0.480	1.00	10	04/04/2024 04:05	WG2259796
Nitrite	U		0.420	1.00	10	04/04/2024 04:05	WG2259796
Sulfate	2400		59.4	500	100	04/04/2024 08:57	WG2259796

Sample Narrative:

L1721739-40 WG2259796: Dilution due to matrix.

L1721739-40 WG2259796: dilution due to high SO4 hit

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	04/06/2024 20:39	WG2260517
Mercury,Dissolved	U		0.000100	0.000200	1	04/05/2024 13:02	WG2260519

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.268		0.0200	0.200	1	04/08/2024 23:12	WG2260462
Boron,Dissolved	0.261		0.0200	0.200	1	04/05/2024 13:10	WG2260380

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00298		0.000180	0.00200	1	04/10/2024 19:38	WG2260469
Arsenic,Dissolved	0.00259		0.000180	0.00200	1	04/11/2024 01:56	WG2260457
Barium	0.0202		0.000381	0.00200	1	04/10/2024 19:38	WG2260469
Barium,Dissolved	0.0149		0.000381	0.00200	1	04/11/2024 01:56	WG2260457
Cadmium	U		0.000150	0.00100	1	04/10/2024 19:38	WG2260469
Cadmium,Dissolved	U		0.000150	0.00100	1	04/11/2024 01:56	WG2260457
Calcium	574		0.0936	1.00	1	04/10/2024 19:38	WG2260469
Chromium	0.00250		0.00124	0.00200	1	04/10/2024 19:38	WG2260469
Chromium,Dissolved	0.00183	J	0.00124	0.00200	1	04/11/2024 01:56	WG2260457
Cobalt	0.000485	J	0.0000596	0.00200	1	04/10/2024 19:38	WG2260469
Cobalt,Dissolved	0.000146	J	0.0000596	0.00200	1	04/11/2024 01:56	WG2260457
Iron	0.967		0.0281	0.100	1	04/10/2024 19:38	WG2260469
Iron,Dissolved	U		0.0281	0.100	1	04/11/2024 01:56	WG2260457
Lead	0.00172	J	0.000849	0.00200	1	04/10/2024 19:38	WG2260469
Lead,Dissolved	U		0.000849	0.00200	1	04/11/2024 01:56	WG2260457

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Manganese	0.0378		0.000704	0.00500	1	04/10/2024 19:38	WG2260469
Manganese,Dissolved	0.000796	J	0.000704	0.00500	1	04/11/2024 01:56	WG2260457
Nickel	0.00150	J	0.000816	0.00200	1	04/10/2024 19:38	WG2260469
Nickel,Dissolved	U		0.000816	0.00200	1	04/11/2024 01:56	WG2260457
Potassium	1.09	J	0.108	2.00	1	04/10/2024 19:38	WG2260469
Selenium	0.00901		0.000300	0.00200	1	04/10/2024 19:38	WG2260469
Selenium,Dissolved	0.00896		0.000300	0.00200	1	04/11/2024 01:56	WG2260457
Sodium	148		0.376	2.00	1	04/10/2024 19:38	WG2260469
Uranium	0.0199		0.0000789	0.00100	1	04/10/2024 19:38	WG2260469
Uranium,Dissolved	0.0195		0.0000789	0.00100	1	04/11/2024 01:56	WG2260457
Vanadium	0.0216		0.000664	0.00500	1	04/10/2024 19:38	WG2260469
Vanadium,Dissolved	0.0180		0.000664	0.00500	1	04/11/2024 01:56	WG2260457

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 06:03	WG2261667
Benzene	U		0.0000941	0.00100	1	04/06/2024 06:03	WG2261667
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 06:03	WG2261667
Bromoform	U		0.000129	0.00100	1	04/06/2024 06:03	WG2261667
Bromomethane	U		0.000605	0.00500	1	04/06/2024 06:03	WG2261667
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 06:03	WG2261667
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2024 06:03	WG2261667
Carbon disulfide	U		0.0000962	0.00100	1	04/06/2024 06:03	WG2261667
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 06:03	WG2261667
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 06:03	WG2261667
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 06:03	WG2261667
Chloroethane	U		0.000192	0.00500	1	04/06/2024 06:03	WG2261667
Chloroform	U		0.000111	0.00500	1	04/06/2024 06:03	WG2261667
Chloromethane	U		0.000960	0.00250	1	04/06/2024 06:03	WG2261667
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 06:03	WG2261667
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 06:03	WG2261667
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 06:03	WG2261667
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 06:03	WG2261667
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 06:03	WG2261667
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 06:03	WG2261667
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 06:03	WG2261667
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 06:03	WG2261667
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 06:03	WG2261667
Ethylbenzene	U		0.000137	0.00100	1	04/06/2024 06:03	WG2261667
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2024 06:03	WG2261667
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 06:03	WG2261667
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 06:03	WG2261667
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 06:03	WG2261667
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 06:03	WG2261667
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 06:03	WG2261667
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/06/2024 06:03	WG2261667
Naphthalene	U		0.00100	0.00500	1	04/06/2024 06:03	WG2261667
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2024 06:03	WG2261667
Styrene	U		0.000118	0.00100	1	04/06/2024 06:03	WG2261667
tert-Butyl alcohol	U		0.00406	0.00500	1	04/06/2024 06:03	WG2261667
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 06:03	WG2261667
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 06:03	WG2261667
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 06:03	WG2261667
Toluene	U		0.000278	0.00100	1	04/06/2024 06:03	WG2261667
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 06:03	WG2261667

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Collected date/time: 04/02/24 11:15
L1721739

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 06:03	WG2261667
Trichloroethene	U		0.000190	0.00100	1	04/06/2024 06:03	WG2261667
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2024 06:03	WG2261667
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2024 06:03	WG2261667
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 06:03	WG2261667
o-Xylene	U		0.000174	0.00100	1	04/06/2024 06:03	WG2261667
m&p-Xylene	U		0.000430	0.00200	1	04/06/2024 06:03	WG2261667
Xylenes, Total	U		0.000174	0.00300	1	04/06/2024 06:03	WG2261667
(S) Toluene-d8	*107*			*80.0-120*		*04/06/2024 06:03*	WG2261667
(S) 4-Bromofluorobenzene	*93.0*			*77.0-126*		*04/06/2024 06:03*	WG2261667
(S) 1,2-Dichloroethane-d4	*85.4*			*70.0-130*		*04/06/2024 06:03*	WG2261667

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	04/11/2024 01:00	WG2262353
(S) o-Terphenyl	*75.8*			*52.0-156*		*04/11/2024 01:00*	WG2262353

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3500		50.0	1	04/07/2024 09:55	WG2260053

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	142		3.79	10.0	10	04/04/2024 02:39	WG2259760
Fluoride	1.54		0.640	1.50	10	04/04/2024 02:39	WG2259760
Nitrate	28.0		0.480	1.00	10	04/04/2024 02:39	WG2259760
Nitrite	U		0.420	1.00	10	04/04/2024 02:39	WG2259760
Sulfate	2300		59.4	500	100	04/04/2024 05:34	WG2259760

Sample Narrative:

L1721739-41 WG2259760: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00284		0.000180	0.00200	1	04/10/2024 19:42	WG2260469
Arsenic,Dissolved	0.00299		0.000180	0.00200	1	04/11/2024 01:59	WG2260457
Barium	0.0172		0.000381	0.00200	1	04/10/2024 19:42	WG2260469
Barium,Dissolved	0.0179		0.000381	0.00200	1	04/11/2024 01:59	WG2260457
Calcium	476		0.0936	1.00	1	04/10/2024 19:42	WG2260469
Chromium	U		0.00124	0.00200	1	04/10/2024 19:42	WG2260469
Chromium,Dissolved	U		0.00124	0.00200	1	04/11/2024 01:59	WG2260457
Iron	0.0601	J	0.0281	0.100	1	04/10/2024 19:42	WG2260469
Iron,Dissolved	U		0.0281	0.100	1	04/11/2024 01:59	WG2260457
Lead	U		0.000849	0.00200	1	04/10/2024 19:42	WG2260469
Lead,Dissolved	U		0.000849	0.00200	1	04/11/2024 01:59	WG2260457
Manganese	0.00423	J	0.000704	0.00500	1	04/10/2024 19:42	WG2260469
Manganese,Dissolved	0.00377	J	0.000704	0.00500	1	04/11/2024 01:59	WG2260457
Potassium	0.479	J	0.108	2.00	1	04/10/2024 19:42	WG2260469
Selenium	0.00712		0.000300	0.00200	1	04/10/2024 19:42	WG2260469
Selenium,Dissolved	0.00821		0.000300	0.00200	1	04/11/2024 01:59	WG2260457
Sodium	262		0.376	2.00	1	04/10/2024 19:42	WG2260469

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 06:23	WG2261667
Benzene	U		0.0000941	0.00100	1	04/06/2024 06:23	WG2261667
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 06:23	WG2261667
Bromoform	U		0.000129	0.00100	1	04/06/2024 06:23	WG2261667
Bromomethane	U		0.000605	0.00500	1	04/06/2024 06:23	WG2261667
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 06:23	WG2261667
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2024 06:23	WG2261667
Carbon disulfide	U		0.0000962	0.00100	1	04/06/2024 06:23	WG2261667
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 06:23	WG2261667
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 06:23	WG2261667
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 06:23	WG2261667
Chloroethane	U		0.000192	0.00500	1	04/06/2024 06:23	WG2261667
Chloroform	U		0.000111	0.00500	1	04/06/2024 06:23	WG2261667
Chloromethane	U		0.000960	0.00250	1	04/06/2024 06:23	WG2261667
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 06:23	WG2261667
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 06:23	WG2261667

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 06:23	WG2261667
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 06:23	WG2261667
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 06:23	WG2261667
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 06:23	WG2261667
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 06:23	WG2261667
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 06:23	WG2261667
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 06:23	WG2261667
Ethylbenzene	U		0.000137	0.00100	1	04/06/2024 06:23	WG2261667
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2024 06:23	WG2261667
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 06:23	WG2261667
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 06:23	WG2261667
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 06:23	WG2261667
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 06:23	WG2261667
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 06:23	WG2261667
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/06/2024 06:23	WG2261667
Naphthalene	U		0.00100	0.00500	1	04/06/2024 06:23	WG2261667
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2024 06:23	WG2261667
Styrene	U		0.000118	0.00100	1	04/06/2024 06:23	WG2261667
tert-Butyl alcohol	U		0.00406	0.00500	1	04/06/2024 06:23	WG2261667
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 06:23	WG2261667
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 06:23	WG2261667
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 06:23	WG2261667
Toluene	U		0.000278	0.00100	1	04/06/2024 06:23	WG2261667
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 06:23	WG2261667
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 06:23	WG2261667
Trichloroethene	U		0.000190	0.00100	1	04/06/2024 06:23	WG2261667
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2024 06:23	WG2261667
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2024 06:23	WG2261667
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 06:23	WG2261667
o-Xylene	U		0.000174	0.00100	1	04/06/2024 06:23	WG2261667
m&p-Xylene	U		0.000430	0.00200	1	04/06/2024 06:23	WG2261667
Xylenes, Total	U		0.000174	0.00300	1	04/06/2024 06:23	WG2261667
(S) Toluene-d8	*108*			*80.0-120*		*04/06/2024 06:23*	WG2261667
(S) 4-Bromofluorobenzene	*92.3*			*77.0-126*		*04/06/2024 06:23*	WG2261667
(S) 1,2-Dichloroethane-d4	*83.4*			*70.0-130*		*04/06/2024 06:23*	WG2261667

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0687	J	0.0247	0.100	1	04/11/2024 01:21	WG2262353
(S) o-Terphenyl	*95.3*			*52.0-156*		*04/11/2024 01:21*	WG2262353

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3420		50.0	1	04/07/2024 09:55	WG2260053

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	131		3.79	10.0	10	04/04/2024 04:18	WG2259796
Fluoride	U		6.40	15.0	100	04/04/2024 09:09	WG2259796
Nitrate	7.14		0.480	1.00	10	04/04/2024 04:18	WG2259796
Nitrite	U		0.420	1.00	10	04/04/2024 04:18	WG2259796
Sulfate	2600		59.4	500	100	04/04/2024 09:09	WG2259796

Sample Narrative:

L1721739-42 WG2259796: Dilution due to matrix.

L1721739-42 WG2259796: dilution due to high SO4 hit

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00181	J	0.000180	0.00200	1	04/10/2024 15:50	WG2260470
Arsenic,Dissolved	0.00169	J	0.000180	0.00200	1	04/09/2024 02:15	WG2260459
Barium	0.0133		0.000381	0.00200	1	04/10/2024 15:50	WG2260470
Barium,Dissolved	0.0119		0.000381	0.00200	1	04/09/2024 02:15	WG2260459
Calcium	502		0.0936	1.00	1	04/10/2024 15:50	WG2260470
Chromium	U		0.00124	0.00200	1	04/10/2024 15:50	WG2260470
Chromium,Dissolved	U		0.00124	0.00200	1	04/09/2024 02:15	WG2260459
Iron	0.0485	J	0.0281	0.100	1	04/10/2024 15:50	WG2260470
Iron,Dissolved	0.0542	J	0.0281	0.100	1	04/09/2024 02:15	WG2260459
Lead	U		0.000849	0.00200	1	04/10/2024 15:50	WG2260470
Lead,Dissolved	U		0.000849	0.00200	1	04/09/2024 02:15	WG2260459
Manganese	0.0159		0.000704	0.00500	1	04/10/2024 15:50	WG2260470
Manganese,Dissolved	0.00580		0.000704	0.00500	1	04/09/2024 02:15	WG2260459
Potassium	0.557	J	0.108	2.00	1	04/10/2024 15:50	WG2260470
Selenium	0.00261		0.000300	0.00200	1	04/10/2024 15:50	WG2260470
Selenium,Dissolved	0.00243		0.000300	0.00200	1	04/09/2024 02:15	WG2260459
Sodium	178		0.376	2.00	1	04/10/2024 15:50	WG2260470

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/05/2024 22:04	WG2261420
(S) a,a,a-Trifluorotoluene(FID)	*91.4*			*78.0-120*		*04/05/2024 22:04*	WG2261420

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 06:44	WG2261667
Benzene	U		0.0000941	0.00100	1	04/06/2024 06:44	WG2261667
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 06:44	WG2261667
Bromoform	U		0.000129	0.00100	1	04/06/2024 06:44	WG2261667
Bromomethane	U		0.000605	0.00500	1	04/06/2024 06:44	WG2261667
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 06:44	WG2261667
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2024 06:44	WG2261667
Carbon disulfide	U		0.0000962	0.00100	1	04/06/2024 06:44	WG2261667

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 06:44	WG2261667
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 06:44	WG2261667
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 06:44	WG2261667
Chloroethane	U		0.000192	0.00500	1	04/06/2024 06:44	WG2261667
Chloroform	U		0.000111	0.00500	1	04/06/2024 06:44	WG2261667
Chloromethane	U		0.000960	0.00250	1	04/06/2024 06:44	WG2261667
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 06:44	WG2261667
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 06:44	WG2261667
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 06:44	WG2261667
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 06:44	WG2261667
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 06:44	WG2261667
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 06:44	WG2261667
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 06:44	WG2261667
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 06:44	WG2261667
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 06:44	WG2261667
Ethylbenzene	U		0.000137	0.00100	1	04/06/2024 06:44	WG2261667
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2024 06:44	WG2261667
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 06:44	WG2261667
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 06:44	WG2261667
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 06:44	WG2261667
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 06:44	WG2261667
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 06:44	WG2261667
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/06/2024 06:44	WG2261667
Naphthalene	U		0.00100	0.00500	1	04/06/2024 06:44	WG2261667
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2024 06:44	WG2261667
Styrene	U		0.000118	0.00100	1	04/06/2024 06:44	WG2261667
tert-Butyl alcohol	U		0.00406	0.00500	1	04/06/2024 06:44	WG2261667
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 06:44	WG2261667
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 06:44	WG2261667
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 06:44	WG2261667
Toluene	U		0.000278	0.00100	1	04/06/2024 06:44	WG2261667
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 06:44	WG2261667
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 06:44	WG2261667
Trichloroethene	U		0.000190	0.00100	1	04/06/2024 06:44	WG2261667
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2024 06:44	WG2261667
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2024 06:44	WG2261667
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 06:44	WG2261667
o-Xylene	U		0.000174	0.00100	1	04/06/2024 06:44	WG2261667
m&p-Xylene	U		0.000430	0.00200	1	04/06/2024 06:44	WG2261667
Xylenes, Total	U		0.000174	0.00300	1	04/06/2024 06:44	WG2261667
(S) Toluene-d8	*108*			*80.0-120*		*04/06/2024 06:44*	WG2261667
(S) 4-Bromofluorobenzene	*92.1*			*77.0-126*		*04/06/2024 06:44*	WG2261667
(S) 1,2-Dichloroethane-d4	*87.9*			*70.0-130*		*04/06/2024 06:44*	WG2261667

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.205		0.0247	0.100	1	04/14/2024 11:10	WG2262353
(S) o-Terphenyl	*106*			*52.0-156*		*04/14/2024 11:10*	WG2262353

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3520		50.0	1	04/07/2024 09:55	WG2260053

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	267		3.79	10.0	10	04/04/2024 05:37	WG2259802
Fluoride	1.52		0.640	1.50	10	04/04/2024 05:37	WG2259802
Nitrate	U		0.480	1.00	10	04/04/2024 05:37	WG2259802
Nitrite	U		4.20	10.0	100	04/04/2024 05:52	WG2259802
Sulfate	2220		59.4	500	100	04/04/2024 05:52	WG2259802

Sample Narrative:

L1721739-43 WG2259802: Dilution due to matrix.

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	04/06/2024 20:41	WG2260517
Mercury,Dissolved	U		0.000100	0.000200	1	04/05/2024 13:05	WG2260519

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.433		0.0200	0.200	1	04/08/2024 23:16	WG2260462
Boron,Dissolved	0.446		0.0200	0.200	1	04/05/2024 13:12	WG2260380

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00389		0.000180	0.00200	1	04/10/2024 15:53	WG2260470
Arsenic,Dissolved	0.00373		0.000180	0.00200	1	04/09/2024 02:28	WG2260459
Barium	0.00975		0.000381	0.00200	1	04/10/2024 15:53	WG2260470
Barium,Dissolved	0.00950		0.000381	0.00200	1	04/09/2024 02:28	WG2260459
Cadmium	U		0.000150	0.00100	1	04/10/2024 15:53	WG2260470
Cadmium,Dissolved	U		0.000150	0.00100	1	04/09/2024 02:28	WG2260459
Calcium	585		0.0936	1.00	1	04/10/2024 15:53	WG2260470
Chromium	U		0.00124	0.00200	1	04/10/2024 15:53	WG2260470
Chromium,Dissolved	U		0.00124	0.00200	1	04/09/2024 02:28	WG2260459
Cobalt	0.000737	J	0.0000596	0.00200	1	04/10/2024 15:53	WG2260470
Cobalt,Dissolved	0.000168	J	0.0000596	0.00200	1	04/09/2024 02:28	WG2260459
Iron	0.0531	J	0.0281	0.100	1	04/10/2024 15:53	WG2260470
Iron,Dissolved	U		0.0281	0.100	1	04/09/2024 02:28	WG2260459
Lead	U		0.000849	0.00200	1	04/10/2024 15:53	WG2260470
Lead,Dissolved	U		0.000849	0.00200	1	04/09/2024 02:28	WG2260459
Manganese	0.0282		0.000704	0.00500	1	04/10/2024 15:53	WG2260470
Manganese,Dissolved	0.0213		0.000704	0.00500	1	04/09/2024 02:28	WG2260459
Nickel	0.00341		0.000816	0.00200	1	04/10/2024 15:53	WG2260470
Nickel,Dissolved	0.00321		0.000816	0.00200	1	04/09/2024 02:28	WG2260459
Potassium	1.00	J	0.108	2.00	1	04/10/2024 15:53	WG2260470
Selenium	0.00527		0.000300	0.00200	1	04/10/2024 15:53	WG2260470
Selenium,Dissolved	0.00542		0.000300	0.00200	1	04/09/2024 02:28	WG2260459
Sodium	172		0.376	2.00	1	04/10/2024 15:53	WG2260470
Uranium	0.0468		0.0000789	0.00100	1	04/10/2024 15:53	WG2260470
Uranium,Dissolved	0.0399		0.0000789	0.00100	1	04/09/2024 02:28	WG2260459

MW-142
Collected date/time: 04/02/24 13:15
L1721739

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Vanadium	0.0215		0.000664	0.00500	1	04/10/2024 15:53	WG2260470
Vanadium,Dissolved	0.0209		0.000664	0.00500	1	04/09/2024 02:28	WG2260459

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3710		50.0	1	04/07/2024 09:55	WG2260053

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	243		3.79	10.0	10	04/04/2024 06:07	WG2259802
Fluoride	2.02		0.640	1.50	10	04/04/2024 06:07	WG2259802
Nitrate	U		0.480	1.00	10	04/04/2024 06:07	WG2259802
Nitrite	U		4.20	10.0	100	04/04/2024 06:22	WG2259802
Sulfate	2570		59.4	500	100	04/04/2024 06:22	WG2259802

Sample Narrative:

L1721739-44 WG2259802: Dilution due to matrix.

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	04/06/2024 20:48	WG2260517
Mercury,Dissolved	U		0.000100	0.000200	1	04/05/2024 13:07	WG2260519

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.789		0.0200	0.200	1	04/08/2024 23:19	WG2260462
Boron,Dissolved	0.777		0.0200	0.200	1	04/05/2024 13:13	WG2260380

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00432		0.000180	0.00200	1	04/10/2024 15:56	WG2260470
Arsenic,Dissolved	0.00407		0.000180	0.00200	1	04/09/2024 02:32	WG2260459
Barium	0.00788		0.000381	0.00200	1	04/10/2024 15:56	WG2260470
Barium,Dissolved	0.00846		0.000381	0.00200	1	04/09/2024 02:32	WG2260459
Cadmium	U		0.000150	0.00100	1	04/10/2024 15:56	WG2260470
Cadmium,Dissolved	U		0.000150	0.00100	1	04/09/2024 02:32	WG2260459
Calcium	529		0.0936	1.00	1	04/10/2024 15:56	WG2260470
Chromium	U		0.00124	0.00200	1	04/10/2024 15:56	WG2260470
Chromium,Dissolved	0.00162	J	0.00124	0.00200	1	04/09/2024 02:32	WG2260459
Cobalt	0.000965	J	0.0000596	0.00200	1	04/10/2024 15:56	WG2260470
Cobalt,Dissolved	0.000730	J	0.0000596	0.00200	1	04/09/2024 02:32	WG2260459
Iron	0.0365	J	0.0281	0.100	1	04/10/2024 15:56	WG2260470
Iron,Dissolved	1.15		0.0281	0.100	1	04/09/2024 02:32	WG2260459
Lead	U		0.000849	0.00200	1	04/10/2024 15:56	WG2260470
Lead,Dissolved	U		0.000849	0.00200	1	04/09/2024 02:32	WG2260459
Manganese	0.0376		0.000704	0.00500	1	04/10/2024 15:56	WG2260470
Manganese,Dissolved	0.0248		0.000704	0.00500	1	04/09/2024 02:32	WG2260459
Nickel	0.00446		0.000816	0.00200	1	04/10/2024 15:56	WG2260470
Nickel,Dissolved	0.00536		0.000816	0.00200	1	04/09/2024 02:32	WG2260459
Potassium	0.821	J	0.108	2.00	1	04/10/2024 15:56	WG2260470
Selenium	0.00116	J	0.000300	0.00200	1	04/10/2024 15:56	WG2260470
Selenium,Dissolved	0.000942	J	0.000300	0.00200	1	04/09/2024 02:32	WG2260459
Sodium	204		0.376	2.00	1	04/10/2024 15:56	WG2260470
Uranium	0.0522		0.0000789	0.00100	1	04/10/2024 15:56	WG2260470
Uranium,Dissolved	0.0451		0.0000789	0.00100	1	04/09/2024 02:32	WG2260459

MW-143
Collected date/time: 04/02/24 14:00
L1721739

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Vanadium	0.0241		0.000664	0.00500	1	04/10/2024 15:56	WG2260470
Vanadium,Dissolved	0.0240		0.000664	0.00500	1	04/09/2024 02:32	WG2260459

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3500		50.0	1	04/07/2024 09:55	WG2260053

Wet Chemistry by Method 4500CN E-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Cyanide	0.00193	J	0.00180	0.00500	1	04/09/2024 08:47	WG2262748

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	123		3.79	10.0	10	04/04/2024 04:32	WG2259796
Fluoride	U		0.640	1.50	10	04/04/2024 04:32	WG2259796
Nitrate	8.61		0.480	1.00	10	04/04/2024 04:32	WG2259796
Nitrite	U		0.420	1.00	10	04/04/2024 04:32	WG2259796
Sulfate	1970		59.4	500	100	04/04/2024 09:22	WG2259796

Sample Narrative:

L1721739-45 WG2259796: Dilution due to matrix.

L1721739-45 WG2259796: dilution due to high SO4 hit

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	04/10/2024 08:55	WG2262591
Mercury,Dissolved	U		0.000100	0.000200	1	04/10/2024 08:24	WG2262839

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.671		0.0200	0.200	1	04/10/2024 17:15	WG2262987
Boron,Dissolved	0.696		0.0200	0.200	1	04/09/2024 09:25	WG2262892

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00167	J	0.000180	0.00200	1	04/10/2024 16:14	WG2263008
Arsenic,Dissolved	0.00162	J	0.000180	0.00200	1	04/11/2024 17:34	WG2262893
Barium	0.00980		0.000381	0.00200	1	04/10/2024 16:14	WG2263008
Barium,Dissolved	0.0104		0.000381	0.00200	1	04/11/2024 17:34	WG2262893
Cadmium	U		0.000150	0.00100	1	04/10/2024 16:14	WG2263008
Cadmium,Dissolved	U		0.000150	0.00100	1	04/11/2024 17:34	WG2262893
Calcium	556		0.0936	1.00	1	04/10/2024 16:14	WG2263008
Chromium	U		0.00124	0.00200	1	04/10/2024 16:14	WG2263008
Chromium,Dissolved	U		0.00124	0.00200	1	04/11/2024 17:34	WG2262893
Cobalt	U		0.0000596	0.00200	1	04/10/2024 16:14	WG2263008
Cobalt,Dissolved	U		0.0000596	0.00200	1	04/11/2024 17:34	WG2262893
Iron	U		0.0281	0.100	1	04/10/2024 16:14	WG2263008
Iron,Dissolved	U		0.0281	0.100	1	04/11/2024 17:34	WG2262893
Lead	U		0.000849	0.00200	1	04/10/2024 16:14	WG2263008
Lead,Dissolved	U		0.000849	0.00200	1	04/11/2024 17:34	WG2262893
Manganese	U		0.000704	0.00500	1	04/10/2024 16:14	WG2263008
Manganese,Dissolved	U		0.000704	0.00500	1	04/11/2024 17:34	WG2262893
Nickel	U		0.000816	0.00200	1	04/10/2024 16:14	WG2263008

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nickel,Dissolved	U		0.000816	0.00200	1	04/11/2024 17:34	WG2262893
Potassium	0.708	J	0.108	2.00	1	04/10/2024 16:14	WG2263008
Selenium	0.00229		0.000300	0.00200	1	04/10/2024 16:14	WG2263008
Selenium,Dissolved	0.00193	J	0.000300	0.00200	1	04/11/2024 17:34	WG2262893
Sodium	145		0.376	2.00	1	04/10/2024 16:14	WG2263008
Uranium	0.0291		0.0000789	0.00100	1	04/10/2024 16:14	WG2263008
Uranium,Dissolved	0.0286		0.0000789	0.00100	1	04/11/2024 17:34	WG2262893
Vanadium	0.0127		0.000664	0.00500	1	04/10/2024 16:14	WG2263008
Vanadium,Dissolved	0.0132		0.000664	0.00500	1	04/11/2024 17:34	WG2262893

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/05/2024 22:27	WG2261420
(S) a,a,a-Trifluorotoluene(FID)	*90.8*			*78.0-120*		*04/05/2024 22:27*	WG2261420

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 07:04	WG2261667
Benzene	0.000111	J	0.0000941	0.00100	1	04/06/2024 07:04	WG2261667
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 07:04	WG2261667
Bromoform	U		0.000129	0.00100	1	04/06/2024 07:04	WG2261667
Bromomethane	U		0.000605	0.00500	1	04/06/2024 07:04	WG2261667
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 07:04	WG2261667
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2024 07:04	WG2261667
Carbon disulfide	U		0.0000962	0.00100	1	04/06/2024 07:04	WG2261667
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 07:04	WG2261667
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 07:04	WG2261667
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 07:04	WG2261667
Chloroethane	U		0.000192	0.00500	1	04/06/2024 07:04	WG2261667
Chloroform	U		0.000111	0.00500	1	04/06/2024 07:04	WG2261667
Chloromethane	U		0.000960	0.00250	1	04/06/2024 07:04	WG2261667
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 07:04	WG2261667
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 07:04	WG2261667
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 07:04	WG2261667
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 07:04	WG2261667
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 07:04	WG2261667
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 07:04	WG2261667
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 07:04	WG2261667
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 07:04	WG2261667
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 07:04	WG2261667
Ethylbenzene	0.000345	J	0.000137	0.00100	1	04/06/2024 07:04	WG2261667
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2024 07:04	WG2261667
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 07:04	WG2261667
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 07:04	WG2261667
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 07:04	WG2261667
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 07:04	WG2261667
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 07:04	WG2261667
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/06/2024 07:04	WG2261667
Naphthalene	U		0.00100	0.00500	1	04/06/2024 07:04	WG2261667
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2024 07:04	WG2261667
Styrene	U		0.000118	0.00100	1	04/06/2024 07:04	WG2261667
tert-Butyl alcohol	U		0.00406	0.00500	1	04/06/2024 07:04	WG2261667
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 07:04	WG2261667

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 07:04	WG2261667
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 07:04	WG2261667
Toluene	U		0.000278	0.00100	1	04/06/2024 07:04	WG2261667
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 07:04	WG2261667
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 07:04	WG2261667
Trichloroethene	U		0.000190	0.00100	1	04/06/2024 07:04	WG2261667
1,2,4-Trimethylbenzene	0.000415	J	0.000322	0.00100	1	04/06/2024 07:04	WG2261667
1,3,5-Trimethylbenzene	0.000106	J	0.000104	0.00100	1	04/06/2024 07:04	WG2261667
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 07:04	WG2261667
o-Xylene	U		0.000174	0.00100	1	04/06/2024 07:04	WG2261667
m&p-Xylene	U		0.000430	0.00200	1	04/06/2024 07:04	WG2261667
Xylenes, Total	U		0.000174	0.00300	1	04/06/2024 07:04	WG2261667
(S) Toluene-d8	*106*			*80.0-120*		*04/06/2024 07:04*	WG2261667
(S) 4-Bromofluorobenzene	*93.2*			*77.0-126*		*04/06/2024 07:04*	WG2261667
(S) 1,2-Dichloroethane-d4	*86.4*			*70.0-130*		*04/06/2024 07:04*	WG2261667

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0523	J	0.0247	0.100	1	04/11/2024 02:02	WG2262353
(S) o-Terphenyl	*94.2*			*52.0-156*		*04/11/2024 02:02*	WG2262353

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	ND		10.0	1	04/07/2024 09:55	WG2260053

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Cyanide	U		0.00180	0.00500	1	04/09/2024 08:48	WG2262748

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	U		0.379	1.00	1	04/18/2024 20:31	WG2269796
Fluoride	0.151		0.0640	0.150	1	04/18/2024 20:31	WG2269796
Nitrate	U	Q	0.0480	0.100	1	04/18/2024 20:31	WG2269796
Nitrite	U	Q	0.0420	0.100	1	04/18/2024 20:31	WG2269796
Sulfate	0.633	J	0.594	5.00	1	04/18/2024 20:31	WG2269796

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.000100	0.000200	1	04/10/2024 09:04	WG2262591
Mercury,Dissolved	U		0.000100	0.000200	1	04/10/2024 08:33	WG2262839

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron	0.0243	J	0.0200	0.200	1	04/10/2024 17:19	WG2262987
Boron,Dissolved	0.0366	J	0.0200	0.200	1	04/09/2024 09:28	WG2262892

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	U		0.000180	0.00200	1	04/10/2024 16:17	WG2263008
Arsenic,Dissolved	U		0.000180	0.00200	1	04/11/2024 17:37	WG2262893
Barium	U		0.000381	0.00200	1	04/10/2024 16:17	WG2263008
Barium,Dissolved	U		0.000381	0.00200	1	04/11/2024 17:37	WG2262893
Cadmium	U		0.000150	0.00100	1	04/10/2024 16:17	WG2263008
Cadmium,Dissolved	U		0.000150	0.00100	1	04/11/2024 17:37	WG2262893
Calcium	0.115	J	0.0936	1.00	1	04/10/2024 16:17	WG2263008
Chromium	U		0.00124	0.00200	1	04/10/2024 16:17	WG2263008
Chromium,Dissolved	U		0.00124	0.00200	1	04/11/2024 17:37	WG2262893
Cobalt	U		0.0000596	0.00200	1	04/10/2024 16:17	WG2263008
Cobalt,Dissolved	U		0.0000596	0.00200	1	04/11/2024 17:37	WG2262893
Iron	U		0.0281	0.100	1	04/10/2024 16:17	WG2263008
Iron,Dissolved	U		0.0281	0.100	1	04/11/2024 17:37	WG2262893
Lead	U		0.000849	0.00200	1	04/10/2024 16:17	WG2263008
Lead,Dissolved	U		0.000849	0.00200	1	04/11/2024 17:37	WG2262893
Manganese	U		0.000704	0.00500	1	04/10/2024 16:17	WG2263008
Manganese,Dissolved	U		0.000704	0.00500	1	04/11/2024 17:37	WG2262893
Nickel	U		0.000816	0.00200	1	04/10/2024 16:17	WG2263008
Nickel,Dissolved	U		0.000816	0.00200	1	04/11/2024 17:37	WG2262893
Potassium	U		0.108	2.00	1	04/10/2024 16:17	WG2263008
Selenium	U		0.000300	0.00200	1	04/10/2024 16:17	WG2263008
Selenium,Dissolved	U		0.000300	0.00200	1	04/11/2024 17:37	WG2262893

Received by OCD: 6/12/2025 1:19:15 PM

LB-REST-05
Collected date/time: 04/02/24 11:00
L1721739

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Sodium	U		0.376	2.00	1	04/10/2024 16:17	WG2263008
Uranium	U		0.0000789	0.00100	1	04/10/2024 16:17	WG2263008
Uranium,Dissolved	U		0.0000789	0.00100	1	04/11/2024 17:37	WG2262893
Vanadium	U		0.000664	0.00500	1	04/10/2024 16:17	WG2263008
Vanadium,Dissolved	U		0.000664	0.00500	1	04/11/2024 17:37	WG2262893

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/05/2024 18:17	WG2261420
(S) a,a,a-Trifluorotoluene(FID)	*90.9*			*78.0-120*		*04/05/2024 18:17*	WG2261420

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 01:56	WG2261667
Benzene	U		0.0000941	0.00100	1	04/06/2024 01:56	WG2261667
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 01:56	WG2261667
Bromoform	U		0.000129	0.00100	1	04/06/2024 01:56	WG2261667
Bromomethane	U		0.000605	0.00500	1	04/06/2024 01:56	WG2261667
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 01:56	WG2261667
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2024 01:56	WG2261667
Carbon disulfide	U		0.0000962	0.00100	1	04/06/2024 01:56	WG2261667
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 01:56	WG2261667
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 01:56	WG2261667
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 01:56	WG2261667
Chloroethane	U		0.000192	0.00500	1	04/06/2024 01:56	WG2261667
Chloroform	0.000845	J	0.000111	0.00500	1	04/06/2024 01:56	WG2261667
Chloromethane	U		0.000960	0.00250	1	04/06/2024 01:56	WG2261667
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 01:56	WG2261667
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 01:56	WG2261667
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 01:56	WG2261667
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 01:56	WG2261667
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 01:56	WG2261667
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 01:56	WG2261667
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 01:56	WG2261667
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 01:56	WG2261667
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 01:56	WG2261667
Ethylbenzene	U		0.000137	0.00100	1	04/06/2024 01:56	WG2261667
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2024 01:56	WG2261667
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 01:56	WG2261667
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 01:56	WG2261667
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 01:56	WG2261667
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 01:56	WG2261667
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 01:56	WG2261667
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/06/2024 01:56	WG2261667
Naphthalene	U		0.00100	0.00500	1	04/06/2024 01:56	WG2261667
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2024 01:56	WG2261667
Styrene	U		0.000118	0.00100	1	04/06/2024 01:56	WG2261667
tert-Butyl alcohol	U		0.00406	0.00500	1	04/06/2024 01:56	WG2261667
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 01:56	WG2261667
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 01:56	WG2261667
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 01:56	WG2261667
Toluene	U		0.000278	0.00100	1	04/06/2024 01:56	WG2261667
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 01:56	WG2261667

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Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 01:56	WG2261667
Trichloroethene	U		0.000190	0.00100	1	04/06/2024 01:56	WG2261667
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2024 01:56	WG2261667
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2024 01:56	WG2261667
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 01:56	WG2261667
o-Xylene	U		0.000174	0.00100	1	04/06/2024 01:56	WG2261667
m&p-Xylene	U		0.000430	0.00200	1	04/06/2024 01:56	WG2261667
Xylenes, Total	U		0.000174	0.00300	1	04/06/2024 01:56	WG2261667
(S) Toluene-d8	*111*			*80.0-120*		*04/06/2024 01:56*	WG2261667
(S) 4-Bromofluorobenzene	*92.9*			*77.0-126*		*04/06/2024 01:56*	WG2261667
(S) 1,2-Dichloroethane-d4	*85.2*			*70.0-130*		*04/06/2024 01:56*	WG2261667

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	04/11/2024 02:23	WG2262353
(S) o-Terphenyl	*95.3*			*52.0-156*		*04/11/2024 02:23*	WG2262353

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 01:35	WG2261667
Benzene	U		0.0000941	0.00100	1	04/06/2024 01:35	WG2261667
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 01:35	WG2261667
Bromoform	U		0.000129	0.00100	1	04/06/2024 01:35	WG2261667
Bromomethane	U		0.000605	0.00500	1	04/06/2024 01:35	WG2261667
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 01:35	WG2261667
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2024 01:35	WG2261667
Carbon disulfide	0.000110	J	0.0000962	0.00100	1	04/06/2024 01:35	WG2261667
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 01:35	WG2261667
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 01:35	WG2261667
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 01:35	WG2261667
Chloroethane	U		0.000192	0.00500	1	04/06/2024 01:35	WG2261667
Chloroform	U		0.000111	0.00500	1	04/06/2024 01:35	WG2261667
Chloromethane	U		0.000960	0.00250	1	04/06/2024 01:35	WG2261667
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 01:35	WG2261667
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 01:35	WG2261667
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 01:35	WG2261667
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 01:35	WG2261667
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 01:35	WG2261667
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 01:35	WG2261667
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 01:35	WG2261667
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 01:35	WG2261667
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 01:35	WG2261667
Ethylbenzene	U		0.000137	0.00100	1	04/06/2024 01:35	WG2261667
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2024 01:35	WG2261667
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 01:35	WG2261667
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 01:35	WG2261667
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 01:35	WG2261667
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 01:35	WG2261667
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 01:35	WG2261667
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/06/2024 01:35	WG2261667
Naphthalene	U		0.00100	0.00500	1	04/06/2024 01:35	WG2261667
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2024 01:35	WG2261667
Styrene	U		0.000118	0.00100	1	04/06/2024 01:35	WG2261667
tert-Butyl alcohol	U		0.00406	0.00500	1	04/06/2024 01:35	WG2261667
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 01:35	WG2261667
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 01:35	WG2261667
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 01:35	WG2261667
Toluene	U		0.000278	0.00100	1	04/06/2024 01:35	WG2261667
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 01:35	WG2261667
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 01:35	WG2261667
Trichloroethene	U		0.000190	0.00100	1	04/06/2024 01:35	WG2261667
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2024 01:35	WG2261667
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2024 01:35	WG2261667
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 01:35	WG2261667
o-Xylene	U		0.000174	0.00100	1	04/06/2024 01:35	WG2261667
m&p-Xylene	U		0.000430	0.00200	1	04/06/2024 01:35	WG2261667
Xylenes, Total	U		0.000174	0.00300	1	04/06/2024 01:35	WG2261667
(S) Toluene-d8	*107*			*80.0-120*		*04/06/2024 01:35*	WG2261667
(S) 4-Bromofluorobenzene	*95.2*			*77.0-126*		*04/06/2024 01:35*	WG2261667
(S) 1,2-Dichloroethane-d4	*85.6*			*70.0-130*		*04/06/2024 01:35*	WG2261667

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1340		50.0	1	04/07/2024 09:55	WG2260053

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	195		0.379	1.00	1	04/04/2024 06:37	WG2259802
Fluoride	0.895		0.0640	0.150	1	04/04/2024 06:37	WG2259802
Nitrate	U		0.0480	0.100	1	04/04/2024 06:37	WG2259802
Nitrite	U		0.0420	0.100	1	04/04/2024 06:37	WG2259802
Sulfate	55.8		0.594	5.00	1	04/04/2024 06:37	WG2259802

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00855		0.000180	0.00200	1	04/10/2024 15:59	WG2260470
Arsenic,Dissolved	0.0103		0.000180	0.00200	1	04/09/2024 02:35	WG2260459
Barium	1.56		0.000381	0.00200	1	04/10/2024 15:59	WG2260470
Barium,Dissolved	1.52		0.000381	0.00200	1	04/09/2024 02:35	WG2260459
Calcium	104		0.0936	1.00	1	04/10/2024 15:59	WG2260470
Chromium	0.00134	J	0.00124	0.00200	1	04/10/2024 15:59	WG2260470
Chromium,Dissolved	U		0.00124	0.00200	1	04/09/2024 02:35	WG2260459
Iron	0.502		0.0281	0.100	1	04/10/2024 15:59	WG2260470
Iron,Dissolved	0.0745	J	0.0281	0.100	1	04/09/2024 02:35	WG2260459
Lead	0.00419		0.000849	0.00200	1	04/10/2024 15:59	WG2260470
Lead,Dissolved	0.00324		0.000849	0.00200	1	04/10/2024 12:18	WG2263251
Manganese	0.0255		0.000704	0.00500	1	04/10/2024 15:59	WG2260470
Manganese,Dissolved	0.0239		0.000704	0.00500	1	04/09/2024 02:35	WG2260459
Potassium	0.471	J	0.108	2.00	1	04/10/2024 15:59	WG2260470
Selenium	U		0.000300	0.00200	1	04/10/2024 15:59	WG2260470
Selenium,Dissolved	U		0.000300	0.00200	1	04/09/2024 02:35	WG2260459
Sodium	374		0.376	2.00	1	04/10/2024 15:59	WG2260470

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	32.8		0.314	1.00	10	04/06/2024 00:21	WG2261420
(S) a,a,a-Trifluorotoluene(FID)	*87.0*			*78.0-120*		*04/06/2024 00:21*	WG2261420

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.113	0.500	10	04/06/2024 08:06	WG2261667
Benzene	15.0		0.0235	0.250	250	04/10/2024 01:39	WG2263193
Bromodichloromethane	U		0.00136	0.0100	10	04/06/2024 08:06	WG2261667
Bromoform	U		0.00129	0.0100	10	04/06/2024 08:06	WG2261667
Bromomethane	U		0.00605	0.0500	10	04/06/2024 08:06	WG2261667
n-Butylbenzene	0.00966	J	0.00157	0.0100	10	04/06/2024 08:06	WG2261667
sec-Butylbenzene	0.0130		0.00125	0.0100	10	04/06/2024 08:06	WG2261667
Carbon disulfide	0.00126	J	0.000962	0.0100	10	04/06/2024 08:06	WG2261667
Carbon tetrachloride	U		0.00128	0.0100	10	04/06/2024 08:06	WG2261667
Chlorobenzene	U		0.00116	0.0100	10	04/06/2024 08:06	WG2261667
Chlorodibromomethane	U		0.00140	0.0100	10	04/06/2024 08:06	WG2261667
Chloroethane	U		0.00192	0.0500	10	04/06/2024 08:06	WG2261667

MW-102
Collected date/time: 04/02/24 12:30
L1721739

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloroform	U		0.00111	0.0500	10	04/06/2024 08:06	WG2261667
Chloromethane	U		0.00960	0.0250	10	04/06/2024 08:06	WG2261667
1,2-Dibromoethane	U		0.00126	0.0100	10	04/06/2024 08:06	WG2261667
1,1-Dichloroethane	U		0.00100	0.0100	10	04/06/2024 08:06	WG2261667
1,2-Dichloroethane	U		0.000819	0.0100	10	04/06/2024 08:06	WG2261667
1,1-Dichloroethene	U		0.00188	0.0100	10	04/06/2024 08:06	WG2261667
cis-1,2-Dichloroethene	U		0.00126	0.0100	10	04/06/2024 08:06	WG2261667
trans-1,2-Dichloroethene	U		0.00149	0.0100	10	04/06/2024 08:06	WG2261667
1,2-Dichloropropane	U		0.00149	0.0100	10	04/06/2024 08:06	WG2261667
cis-1,3-Dichloropropene	U		0.00111	0.0100	10	04/06/2024 08:06	WG2261667
trans-1,3-Dichloropropene	U		0.00118	0.0100	10	04/06/2024 08:06	WG2261667
Ethylbenzene	0.934		0.00137	0.0100	10	04/06/2024 08:06	WG2261667
Isopropylbenzene	0.0445		0.00105	0.0100	10	04/06/2024 08:06	WG2261667
p-Isopropyltoluene	0.00507	J	0.00120	0.0100	10	04/06/2024 08:06	WG2261667
2-Butanone (MEK)	U		0.0119	0.100	10	04/06/2024 08:06	WG2261667
2-Hexanone	U		0.00787	0.100	10	04/06/2024 08:06	WG2261667
Methylene Chloride	U		0.00430	0.0500	10	04/06/2024 08:06	WG2261667
4-Methyl-2-pentanone (MIBK)	U		0.00478	0.100	10	04/06/2024 08:06	WG2261667
Methyl tert-butyl ether	0.367		0.00101	0.0100	10	04/06/2024 08:06	WG2261667
Naphthalene	0.140		0.0100	0.0500	10	04/06/2024 08:06	WG2261667
n-Propylbenzene	0.0645		0.000993	0.0100	10	04/06/2024 08:06	WG2261667
Styrene	U		0.00118	0.0100	10	04/06/2024 08:06	WG2261667
tert-Butyl alcohol	U		0.0406	0.0500	10	04/06/2024 08:06	WG2261667
1,1,1,2-Tetrachloroethane	U		0.00147	0.0100	10	04/06/2024 08:06	WG2261667
1,1,2,2-Tetrachloroethane	U		0.00133	0.0100	10	04/06/2024 08:06	WG2261667
Tetrachloroethene	U		0.00300	0.0100	10	04/06/2024 08:06	WG2261667
Toluene	0.396		0.00278	0.0100	10	04/06/2024 08:06	WG2261667
1,1,1-Trichloroethane	U		0.00149	0.0100	10	04/06/2024 08:06	WG2261667
1,1,2-Trichloroethane	U		0.00158	0.0100	10	04/06/2024 08:06	WG2261667
Trichloroethene	U		0.00190	0.0100	10	04/06/2024 08:06	WG2261667
1,2,4-Trimethylbenzene	0.257		0.00322	0.0100	10	04/06/2024 08:06	WG2261667
1,3,5-Trimethylbenzene	0.0526		0.00104	0.0100	10	04/06/2024 08:06	WG2261667
Vinyl chloride	U		0.00234	0.0100	10	04/06/2024 08:06	WG2261667
o-Xylene	0.0497		0.00174	0.0100	10	04/06/2024 08:06	WG2261667
m&p-Xylene	0.619		0.00430	0.0200	10	04/06/2024 08:06	WG2261667
Xylenes, Total	0.669		0.00174	0.0300	10	04/06/2024 08:06	WG2261667
(S) Toluene-d8	*104*			*80.0-120*		*04/06/2024 08:06*	WG2261667
(S) Toluene-d8	*109*			*80.0-120*		*04/10/2024 01:39*	WG2263193
(S) 4-Bromofluorobenzene	*93.1*			*77.0-126*		*04/06/2024 08:06*	WG2261667
(S) 4-Bromofluorobenzene	*117*			*77.0-126*		*04/10/2024 01:39*	WG2263193
(S) 1,2-Dichloroethane-d4	*80.5*			*70.0-130*		*04/06/2024 08:06*	WG2261667
(S) 1,2-Dichloroethane-d4	*93.6*			*70.0-130*		*04/10/2024 01:39*	WG2263193

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	6.41		0.0247	0.100	1	04/14/2024 12:33	WG2262353
(S) o-Terphenyl	*97.4*			*52.0-156*		*04/14/2024 12:33*	WG2262353

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1550	J3	50.0	1	04/06/2024 17:22	WG2260199

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	435		3.79	10.0	10	04/04/2024 07:22	WG2259802
Fluoride	0.629		0.0640	0.150	1	04/04/2024 07:07	WG2259802
Nitrate	U		0.0480	0.100	1	04/04/2024 07:07	WG2259802
Nitrite	U		0.0420	0.100	1	04/04/2024 07:07	WG2259802
Sulfate	265		5.94	50.0	10	04/04/2024 07:22	WG2259802

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0976		0.000180	0.00200	1	04/10/2024 15:36	WG2260470
Arsenic,Dissolved	0.0977		0.000180	0.00200	1	04/09/2024 02:38	WG2260459
Barium	0.106		0.000381	0.00200	1	04/10/2024 15:36	WG2260470
Barium,Dissolved	0.102		0.000381	0.00200	1	04/09/2024 02:38	WG2260459
Calcium	201		0.0936	1.00	1	04/10/2024 15:36	WG2260470
Chromium	U		0.00124	0.00200	1	04/10/2024 15:36	WG2260470
Chromium,Dissolved	U		0.00124	0.00200	1	04/09/2024 02:38	WG2260459
Iron	3.10		0.0281	0.100	1	04/10/2024 15:36	WG2260470
Iron,Dissolved	3.10		0.0281	0.100	1	04/09/2024 02:38	WG2260459
Lead	U		0.000849	0.00200	1	04/10/2024 15:36	WG2260470
Lead,Dissolved	U		0.000849	0.00200	1	04/09/2024 02:38	WG2260459
Manganese	0.953	V	0.000704	0.00500	1	04/10/2024 15:36	WG2260470
Manganese,Dissolved	0.945		0.000704	0.00500	1	04/09/2024 02:38	WG2260459
Potassium	0.835	J	0.108	2.00	1	04/10/2024 15:36	WG2260470
Selenium	U		0.000300	0.00200	1	04/10/2024 15:36	WG2260470
Selenium,Dissolved	U		0.000300	0.00200	1	04/09/2024 02:38	WG2260459
Sodium	211	V	0.376	2.00	1	04/10/2024 15:36	WG2260470

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 07:24	WG2261667
Benzene	0.00240		0.0000941	0.00100	1	04/06/2024 07:24	WG2261667
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 07:24	WG2261667
Bromoform	U		0.000129	0.00100	1	04/06/2024 07:24	WG2261667
Bromomethane	U		0.000605	0.00500	1	04/06/2024 07:24	WG2261667
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 07:24	WG2261667
sec-Butylbenzene	0.000622	J	0.000125	0.00100	1	04/06/2024 07:24	WG2261667
Carbon disulfide	U		0.0000962	0.00100	1	04/06/2024 07:24	WG2261667
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 07:24	WG2261667
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 07:24	WG2261667
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 07:24	WG2261667
Chloroethane	U		0.000192	0.00500	1	04/06/2024 07:24	WG2261667
Chloroform	U		0.000111	0.00500	1	04/06/2024 07:24	WG2261667
Chloromethane	U		0.000960	0.00250	1	04/06/2024 07:24	WG2261667
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 07:24	WG2261667
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 07:24	WG2261667
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 07:24	WG2261667
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 07:24	WG2261667
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 07:24	WG2261667

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 07:24	WG2261667
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 07:24	WG2261667
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 07:24	WG2261667
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 07:24	WG2261667
Ethylbenzene	0.00108		0.000137	0.00100	1	04/06/2024 07:24	WG2261667
Isopropylbenzene	0.000555	J	0.000105	0.00100	1	04/06/2024 07:24	WG2261667
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 07:24	WG2261667
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 07:24	WG2261667
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 07:24	WG2261667
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 07:24	WG2261667
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 07:24	WG2261667
Methyl tert-butyl ether	0.199		0.000101	0.00100	1	04/06/2024 07:24	WG2261667
Naphthalene	U		0.00100	0.00500	1	04/06/2024 07:24	WG2261667
n-Propylbenzene	0.000664	J	0.0000993	0.00100	1	04/06/2024 07:24	WG2261667
Styrene	U		0.000118	0.00100	1	04/06/2024 07:24	WG2261667
tert-Butyl alcohol	U		0.00406	0.00500	1	04/06/2024 07:24	WG2261667
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 07:24	WG2261667
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 07:24	WG2261667
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 07:24	WG2261667
Toluene	0.000870	J	0.000278	0.00100	1	04/06/2024 07:24	WG2261667
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 07:24	WG2261667
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 07:24	WG2261667
Trichloroethene	U		0.000190	0.00100	1	04/06/2024 07:24	WG2261667
1,2,4-Trimethylbenzene	0.000766	J	0.000322	0.00100	1	04/06/2024 07:24	WG2261667
1,3,5-Trimethylbenzene	0.000143	J	0.000104	0.00100	1	04/06/2024 07:24	WG2261667
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 07:24	WG2261667
o-Xylene	0.000330	J	0.000174	0.00100	1	04/06/2024 07:24	WG2261667
m&p-Xylene	0.000965	J	0.000430	0.00200	1	04/06/2024 07:24	WG2261667
Xylenes, Total	0.00130	J	0.000174	0.00300	1	04/06/2024 07:24	WG2261667
(S) Toluene-d8	*104*			*80.0-120*		*04/06/2024 07:24*	WG2261667
(S) 4-Bromofluorobenzene	*93.4*			*77.0-126*		*04/06/2024 07:24*	WG2261667
(S) 1,2-Dichloroethane-d4	*84.7*			*70.0-130*		*04/06/2024 07:24*	WG2261667

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1.23		0.0247	0.100	1	04/14/2024 12:12	WG2262353
(S) o-Terphenyl	*99.5*			*52.0-156*		*04/14/2024 12:12*	WG2262353

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4860		100	1	04/06/2024 17:22	WG2260199

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	498		3.79	10.0	10	04/04/2024 03:27	WG2259760
Fluoride	3.15		0.640	1.50	10	04/04/2024 03:27	WG2259760
Nitrate	5.47		0.480	1.00	10	04/04/2024 03:27	WG2259760
Nitrite	U		0.420	1.00	10	04/04/2024 03:27	WG2259760
Sulfate	2360		59.4	500	100	04/04/2024 05:50	WG2259760

Sample Narrative:

L1721739-50 WG2259760: Dilution due to matrix.

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	04/06/2024 20:50	WG2260517
Mercury,Dissolved	U		0.000100	0.000200	1	04/05/2024 13:10	WG2260519

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.434		0.0200	0.200	1	04/08/2024 23:23	WG2260462
Boron,Dissolved	0.436		0.0200	0.200	1	04/05/2024 13:15	WG2260380

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00431		0.000180	0.00200	1	04/10/2024 16:09	WG2260470
Arsenic,Dissolved	0.00412		0.000180	0.00200	1	04/09/2024 02:48	WG2260459
Barium	0.0106		0.000381	0.00200	1	04/10/2024 16:09	WG2260470
Barium,Dissolved	0.0111		0.000381	0.00200	1	04/09/2024 02:48	WG2260459
Cadmium	U		0.000150	0.00100	1	04/10/2024 16:09	WG2260470
Cadmium,Dissolved	U		0.000150	0.00100	1	04/09/2024 02:48	WG2260459
Calcium	657		0.0936	1.00	1	04/10/2024 16:09	WG2260470
Chromium	U		0.00124	0.00200	1	04/10/2024 16:09	WG2260470
Chromium,Dissolved	U		0.00124	0.00200	1	04/09/2024 02:48	WG2260459
Cobalt	0.000600	J	0.0000596	0.00200	1	04/10/2024 16:09	WG2260470
Cobalt,Dissolved	0.000485	J	0.0000596	0.00200	1	04/09/2024 11:12	WG2260459
Iron	U		0.0281	0.100	1	04/10/2024 16:09	WG2260470
Iron,Dissolved	U		0.0281	0.100	1	04/09/2024 02:48	WG2260459
Lead	U		0.000849	0.00200	1	04/10/2024 16:09	WG2260470
Lead,Dissolved	U		0.000849	0.00200	1	04/09/2024 02:48	WG2260459
Manganese	0.0205		0.000704	0.00500	1	04/10/2024 16:09	WG2260470
Manganese,Dissolved	0.0170		0.000704	0.00500	1	04/09/2024 02:48	WG2260459
Nickel	0.00149	J	0.000816	0.00200	1	04/10/2024 16:09	WG2260470
Nickel,Dissolved	0.00117	J	0.000816	0.00200	1	04/09/2024 11:12	WG2260459
Potassium	1.69	J	0.108	2.00	1	04/10/2024 16:09	WG2260470
Selenium	0.00986		0.000300	0.00200	1	04/10/2024 16:09	WG2260470
Selenium,Dissolved	0.00908		0.000300	0.00200	1	04/09/2024 02:48	WG2260459
Sodium	211		0.376	2.00	1	04/10/2024 16:09	WG2260470
Uranium	0.0412		0.0000789	0.00100	1	04/10/2024 16:09	WG2260470
Uranium,Dissolved	0.0347		0.0000789	0.00100	1	04/09/2024 02:48	WG2260459

MW-144
Collected date/time: 04/02/24 08:40
L1721739

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Vanadium	0.0165		0.000664	0.00500	1	04/10/2024 16:09	WG2260470
Vanadium,Dissolved	0.0162		0.000664	0.00500	1	04/09/2024 02:48	WG2260459

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	5380		100	1	04/06/2024 17:22	WG2260199

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	467		3.79	10.0	10	04/04/2024 05:12	WG2259796
Fluoride	U		6.40	15.0	100	04/04/2024 09:34	WG2259796
Nitrate	8.03		0.480	1.00	10	04/04/2024 05:12	WG2259796
Nitrite	0.871	J	0.420	1.00	10	04/04/2024 05:12	WG2259796
Sulfate	2640		59.4	500	100	04/04/2024 09:34	WG2259796

Sample Narrative:

L1721739-51 WG2259796: Dilution due to matrix.

L1721739-51 WG2259796: dilution due to high SO4 hit

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00329		0.000180	0.00200	1	04/10/2024 16:13	WG2260470
Arsenic,Dissolved	0.00330		0.000180	0.00200	1	04/09/2024 02:52	WG2260459
Barium	0.00981		0.000381	0.00200	1	04/10/2024 16:13	WG2260470
Barium,Dissolved	0.00793		0.000381	0.00200	1	04/09/2024 02:52	WG2260459
Calcium	564		0.0936	1.00	1	04/10/2024 16:13	WG2260470
Chromium	U		0.00124	0.00200	1	04/10/2024 16:13	WG2260470
Chromium,Dissolved	U		0.00124	0.00200	1	04/09/2024 02:52	WG2260459
Iron	0.196		0.0281	0.100	1	04/10/2024 16:13	WG2260470
Iron,Dissolved	U		0.0281	0.100	1	04/09/2024 02:52	WG2260459
Lead	U		0.000849	0.00200	1	04/10/2024 16:13	WG2260470
Lead,Dissolved	U		0.000849	0.00200	1	04/09/2024 02:52	WG2260459
Manganese	0.0281		0.000704	0.00500	1	04/10/2024 16:13	WG2260470
Manganese,Dissolved	U		0.000704	0.00500	1	04/09/2024 02:52	WG2260459
Potassium	0.896	J	0.108	2.00	1	04/10/2024 16:13	WG2260470
Selenium	0.0176		0.000300	0.00200	1	04/10/2024 16:13	WG2260470
Selenium,Dissolved	0.0189		0.000300	0.00200	1	04/09/2024 02:52	WG2260459
Sodium	556		0.376	2.00	1	04/10/2024 16:13	WG2260470

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/05/2024 22:50	WG2261420
(S) a,a,a-Trifluorotoluene(FID)	*91.4*			*78.0-120*		*04/05/2024 22:50*	WG2261420

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 07:45	WG2261667
Benzene	U		0.0000941	0.00100	1	04/06/2024 07:45	WG2261667
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 07:45	WG2261667
Bromoform	U		0.000129	0.00100	1	04/06/2024 07:45	WG2261667
Bromomethane	U		0.000605	0.00500	1	04/06/2024 07:45	WG2261667
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 07:45	WG2261667
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2024 07:45	WG2261667
Carbon disulfide	U		0.0000962	0.00100	1	04/06/2024 07:45	WG2261667

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 07:45	WG2261667
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 07:45	WG2261667
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 07:45	WG2261667
Chloroethane	U		0.000192	0.00500	1	04/06/2024 07:45	WG2261667
Chloroform	U		0.000111	0.00500	1	04/06/2024 07:45	WG2261667
Chloromethane	U		0.000960	0.00250	1	04/06/2024 07:45	WG2261667
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 07:45	WG2261667
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 07:45	WG2261667
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 07:45	WG2261667
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 07:45	WG2261667
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 07:45	WG2261667
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 07:45	WG2261667
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 07:45	WG2261667
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 07:45	WG2261667
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 07:45	WG2261667
Ethylbenzene	U		0.000137	0.00100	1	04/06/2024 07:45	WG2261667
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2024 07:45	WG2261667
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 07:45	WG2261667
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 07:45	WG2261667
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 07:45	WG2261667
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 07:45	WG2261667
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 07:45	WG2261667
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/06/2024 07:45	WG2261667
Naphthalene	U		0.00100	0.00500	1	04/06/2024 07:45	WG2261667
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2024 07:45	WG2261667
Styrene	U		0.000118	0.00100	1	04/06/2024 07:45	WG2261667
tert-Butyl alcohol	U		0.00406	0.00500	1	04/06/2024 07:45	WG2261667
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 07:45	WG2261667
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 07:45	WG2261667
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 07:45	WG2261667
Toluene	U		0.000278	0.00100	1	04/06/2024 07:45	WG2261667
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 07:45	WG2261667
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 07:45	WG2261667
Trichloroethene	U		0.000190	0.00100	1	04/06/2024 07:45	WG2261667
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2024 07:45	WG2261667
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2024 07:45	WG2261667
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 07:45	WG2261667
o-Xylene	U		0.000174	0.00100	1	04/06/2024 07:45	WG2261667
m&p-Xylene	U		0.000430	0.00200	1	04/06/2024 07:45	WG2261667
Xylenes, Total	U		0.000174	0.00300	1	04/06/2024 07:45	WG2261667
(S) Toluene-d8	*107*			*80.0-120*		*04/06/2024 07:45*	WG2261667
(S) 4-Bromofluorobenzene	*90.4*			*77.0-126*		*04/06/2024 07:45*	WG2261667
(S) 1,2-Dichloroethane-d4	*90.1*			*70.0-130*		*04/06/2024 07:45*	WG2261667

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0697	J	0.0247	0.100	1	04/11/2024 03:25	WG2262353
(S) o-Terphenyl	*98.9*			*52.0-156*		*04/11/2024 03:25*	WG2262353

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4960		100	1	04/06/2024 17:22	WG2260199

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	330		3.79	10.0	10	04/04/2024 05:26	WG2259796
Fluoride	1.67		0.640	1.50	10	04/23/2024 12:34	WG2270068
Sulfate	2380		59.4	500	100	04/04/2024 09:47	WG2259796

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00284		0.000180	0.00200	1	04/10/2024 16:16	WG2260470
Arsenic,Dissolved	0.00265		0.000180	0.00200	1	04/09/2024 02:55	WG2260459
Barium	0.00838		0.000381	0.00200	1	04/10/2024 16:16	WG2260470
Barium,Dissolved	0.00749		0.000381	0.00200	1	04/09/2024 02:55	WG2260459
Calcium	554		0.0936	1.00	1	04/10/2024 16:16	WG2260470
Chromium	0.00292		0.00124	0.00200	1	04/10/2024 16:16	WG2260470
Chromium,Dissolved	U		0.00124	0.00200	1	04/09/2024 02:55	WG2260459
Iron	0.0975	J	0.0281	0.100	1	04/10/2024 16:16	WG2260470
Iron,Dissolved	U		0.0281	0.100	1	04/09/2024 02:55	WG2260459
Lead	0.00137	J	0.000849	0.00200	1	04/10/2024 16:16	WG2260470
Lead,Dissolved	U		0.000849	0.00200	1	04/09/2024 02:55	WG2260459
Manganese	0.0164		0.000704	0.00500	1	04/10/2024 16:16	WG2260470
Manganese,Dissolved	U		0.000704	0.00500	1	04/09/2024 02:55	WG2260459
Potassium	0.690	J	0.108	2.00	1	04/10/2024 16:16	WG2260470
Selenium	0.0132		0.000300	0.00200	1	04/10/2024 16:16	WG2260470
Selenium,Dissolved	0.0130		0.000300	0.00200	1	04/09/2024 02:55	WG2260459
Sodium	381		0.376	2.00	1	04/10/2024 16:16	WG2260470

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/05/2024 23:13	WG2261420
(S) a,a,a-Trifluorotoluene(FID)	*91.3*			*78.0-120*		*04/05/2024 23:13*	WG2261420

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 19:05	WG2261801
Benzene	U		0.0000941	0.00100	1	04/06/2024 19:05	WG2261801
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 19:05	WG2261801
Bromoform	U		0.000129	0.00100	1	04/06/2024 19:05	WG2261801
Bromomethane	U		0.000605	0.00500	1	04/06/2024 19:05	WG2261801
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 19:05	WG2261801
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2024 19:05	WG2261801
Carbon disulfide	U		0.0000962	0.00100	1	04/06/2024 19:05	WG2261801
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 19:05	WG2261801
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 19:05	WG2261801
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 19:05	WG2261801
Chloroethane	U		0.000192	0.00500	1	04/06/2024 19:05	WG2261801
Chloroform	U		0.000111	0.00500	1	04/06/2024 19:05	WG2261801
Chloromethane	U		0.000960	0.00250	1	04/06/2024 19:05	WG2261801

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 19:05	WG2261801
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 19:05	WG2261801
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 19:05	WG2261801
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 19:05	WG2261801
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 19:05	WG2261801
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 19:05	WG2261801
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 19:05	WG2261801
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 19:05	WG2261801
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 19:05	WG2261801
Ethylbenzene	U		0.000137	0.00100	1	04/06/2024 19:05	WG2261801
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2024 19:05	WG2261801
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 19:05	WG2261801
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 19:05	WG2261801
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 19:05	WG2261801
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 19:05	WG2261801
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 19:05	WG2261801
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/06/2024 19:05	WG2261801
Naphthalene	U		0.00100	0.00500	1	04/06/2024 19:05	WG2261801
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2024 19:05	WG2261801
Styrene	U		0.000118	0.00100	1	04/06/2024 19:05	WG2261801
tert-Butyl alcohol	U		0.00406	0.00500	1	04/06/2024 19:05	WG2261801
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 19:05	WG2261801
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 19:05	WG2261801
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 19:05	WG2261801
Toluene	U		0.000278	0.00100	1	04/06/2024 19:05	WG2261801
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 19:05	WG2261801
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 19:05	WG2261801
Trichloroethene	U		0.000190	0.00100	1	04/06/2024 19:05	WG2261801
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2024 19:05	WG2261801
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2024 19:05	WG2261801
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 19:05	WG2261801
o-Xylene	U		0.000174	0.00100	1	04/06/2024 19:05	WG2261801
m&p-Xylene	U		0.000430	0.00200	1	04/06/2024 19:05	WG2261801
Xylenes, Total	U		0.000174	0.00300	1	04/06/2024 19:05	WG2261801
(S) Toluene-d8	*103*			*80.0-120*		*04/06/2024 19:05*	WG2261801
(S) 4-Bromofluorobenzene	*90.8*			*77.0-126*		*04/06/2024 19:05*	WG2261801
(S) 1,2-Dichloroethane-d4	*135*	J1		*70.0-130*		*04/06/2024 19:05*	WG2261801

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0599	J	0.0247	0.100	1	04/11/2024 03:46	WG2262353
(S) o-Terphenyl	*97.9*			*52.0-156*		*04/11/2024 03:46*	WG2262353

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3450		50.0	1	04/06/2024 17:22	WG2260199

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	249		3.79	10.0	10	04/04/2024 06:07	WG2259796
Fluoride	1.82		0.640	1.50	10	04/13/2024 17:07	WG2266511
Sulfate	2370		59.4	500	100	04/04/2024 10:00	WG2259796

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00271		0.000180	0.00200	1	04/10/2024 16:19	WG2260470
Arsenic,Dissolved	0.00296		0.000180	0.00200	1	04/09/2024 02:58	WG2260459
Barium	0.00860		0.000381	0.00200	1	04/10/2024 16:19	WG2260470
Barium,Dissolved	0.00920		0.000381	0.00200	1	04/09/2024 02:58	WG2260459
Calcium	594		0.0936	1.00	1	04/10/2024 16:19	WG2260470
Chromium	U		0.00124	0.00200	1	04/10/2024 16:19	WG2260470
Chromium,Dissolved	U		0.00124	0.00200	1	04/09/2024 02:58	WG2260459
Iron	U		0.0281	0.100	1	04/10/2024 16:19	WG2260470
Iron,Dissolved	U		0.0281	0.100	1	04/09/2024 02:58	WG2260459
Lead	0.00155	J	0.000849	0.00200	1	04/10/2024 16:19	WG2260470
Lead,Dissolved	0.00139	B J	0.000849	0.00200	1	04/09/2024 02:58	WG2260459
Manganese	0.00202	J	0.000704	0.00500	1	04/10/2024 16:19	WG2260470
Manganese,Dissolved	U		0.000704	0.00500	1	04/09/2024 02:58	WG2260459
Potassium	7.21		0.108	2.00	1	04/10/2024 16:19	WG2260470
Selenium	0.0109		0.000300	0.00200	1	04/10/2024 16:19	WG2260470
Selenium,Dissolved	0.0110		0.000300	0.00200	1	04/09/2024 02:58	WG2260459
Sodium	208		0.376	2.00	1	04/10/2024 16:19	WG2260470

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/05/2024 23:35	WG2261420
(S) a,a,a-Trifluorotoluene(FID)	*91.1*			*78.0-120*		*04/05/2024 23:35*	WG2261420

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 19:26	WG2261801
Benzene	U		0.0000941	0.00100	1	04/06/2024 19:26	WG2261801
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 19:26	WG2261801
Bromoform	U		0.000129	0.00100	1	04/06/2024 19:26	WG2261801
Bromomethane	U		0.000605	0.00500	1	04/06/2024 19:26	WG2261801
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 19:26	WG2261801
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2024 19:26	WG2261801
Carbon disulfide	U		0.0000962	0.00100	1	04/06/2024 19:26	WG2261801
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 19:26	WG2261801
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 19:26	WG2261801
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 19:26	WG2261801
Chloroethane	U		0.000192	0.00500	1	04/06/2024 19:26	WG2261801
Chloroform	U		0.000111	0.00500	1	04/06/2024 19:26	WG2261801
Chloromethane	U		0.000960	0.00250	1	04/06/2024 19:26	WG2261801

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 19:26	WG2261801
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 19:26	WG2261801
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 19:26	WG2261801
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 19:26	WG2261801
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 19:26	WG2261801
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 19:26	WG2261801
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 19:26	WG2261801
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 19:26	WG2261801
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 19:26	WG2261801
Ethylbenzene	U		0.000137	0.00100	1	04/06/2024 19:26	WG2261801
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2024 19:26	WG2261801
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 19:26	WG2261801
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 19:26	WG2261801
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 19:26	WG2261801
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 19:26	WG2261801
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 19:26	WG2261801
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/06/2024 19:26	WG2261801
Naphthalene	U		0.00100	0.00500	1	04/06/2024 19:26	WG2261801
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2024 19:26	WG2261801
Styrene	U		0.000118	0.00100	1	04/06/2024 19:26	WG2261801
tert-Butyl alcohol	U		0.00406	0.00500	1	04/06/2024 19:26	WG2261801
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 19:26	WG2261801
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 19:26	WG2261801
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 19:26	WG2261801
Toluene	U		0.000278	0.00100	1	04/06/2024 19:26	WG2261801
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 19:26	WG2261801
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 19:26	WG2261801
Trichloroethene	U		0.000190	0.00100	1	04/06/2024 19:26	WG2261801
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2024 19:26	WG2261801
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2024 19:26	WG2261801
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 19:26	WG2261801
o-Xylene	U		0.000174	0.00100	1	04/06/2024 19:26	WG2261801
m&p-Xylene	U		0.000430	0.00200	1	04/06/2024 19:26	WG2261801
Xylenes, Total	U		0.000174	0.00300	1	04/06/2024 19:26	WG2261801
(S) Toluene-d8	*103*			*80.0-120*		*04/06/2024 19:26*	WG2261801
(S) 4-Bromofluorobenzene	*90.8*			*77.0-126*		*04/06/2024 19:26*	WG2261801
(S) 1,2-Dichloroethane-d4	*129*			*70.0-130*		*04/06/2024 19:26*	WG2261801

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0677	J	0.0247	0.100	1	04/11/2024 04:07	WG2262353
(S) o-Terphenyl	*94.7*			*52.0-156*		*04/11/2024 04:07*	WG2262353

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1420		50.0	1	04/06/2024 17:22	WG2260199

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	179		0.379	1.00	1	04/04/2024 06:20	WG2259796
Fluoride	0.984		0.0640	0.150	1	04/13/2024 17:23	WG2266511
Nitrate	0.0966	J	0.0480	0.100	1	04/04/2024 06:20	WG2259796
Nitrite	0.130		0.0420	0.100	1	04/04/2024 06:20	WG2259796
Sulfate	53.6		0.594	5.00	1	04/04/2024 06:20	WG2259796

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00861		0.000180	0.00200	1	04/10/2024 16:22	WG2260470
Arsenic,Dissolved	0.0109		0.000180	0.00200	1	04/09/2024 03:02	WG2260459
Barium	1.33		0.000381	0.00200	1	04/10/2024 16:22	WG2260470
Barium,Dissolved	1.57		0.000381	0.00200	1	04/09/2024 03:02	WG2260459
Calcium	105		0.0936	1.00	1	04/10/2024 16:22	WG2260470
Chromium	0.00147	J	0.00124	0.00200	1	04/10/2024 16:22	WG2260470
Chromium,Dissolved	U		0.00124	0.00200	1	04/09/2024 03:02	WG2260459
Iron	0.867		0.0281	0.100	1	04/10/2024 16:22	WG2260470
Iron,Dissolved	0.0534	J	0.0281	0.100	1	04/09/2024 03:02	WG2260459
Lead	0.00382		0.000849	0.00200	1	04/10/2024 16:22	WG2260470
Lead,Dissolved	0.00362		0.000849	0.00200	1	04/10/2024 12:31	WG2263251
Manganese	0.0264		0.000704	0.00500	1	04/10/2024 16:22	WG2260470
Manganese,Dissolved	0.0256		0.000704	0.00500	1	04/09/2024 03:02	WG2260459
Potassium	0.477	J	0.108	2.00	1	04/10/2024 16:22	WG2260470
Selenium	0.000373	J	0.000300	0.00200	1	04/10/2024 16:22	WG2260470
Selenium,Dissolved	U		0.000300	0.00200	1	04/09/2024 03:02	WG2260459
Sodium	390		0.376	2.00	1	04/10/2024 16:22	WG2260470

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	29.8		0.314	1.00	10	04/06/2024 00:43	WG2261420
(S) a,a,a-Trifluorotoluene(FID)	*87.4*			*78.0-120*		*04/06/2024 00:43*	WG2261420

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.113	0.500	10	04/06/2024 20:10	WG2261801
Benzene	13.5		0.0941	1.00	1000	04/08/2024 19:08	WG2262735
Bromodichloromethane	U		0.00136	0.0100	10	04/06/2024 20:10	WG2261801
Bromoform	U		0.00129	0.0100	10	04/06/2024 20:10	WG2261801
Bromomethane	U		0.00605	0.0500	10	04/06/2024 20:10	WG2261801
n-Butylbenzene	U		0.00157	0.0100	10	04/06/2024 20:10	WG2261801
sec-Butylbenzene	0.00878	J	0.00125	0.0100	10	04/06/2024 20:10	WG2261801
Carbon disulfide	U		0.000962	0.0100	10	04/06/2024 20:10	WG2261801
Carbon tetrachloride	U		0.00128	0.0100	10	04/06/2024 20:10	WG2261801
Chlorobenzene	U		0.00116	0.0100	10	04/06/2024 20:10	WG2261801
Chlorodibromomethane	U		0.00140	0.0100	10	04/06/2024 20:10	WG2261801
Chloroethane	U		0.00192	0.0500	10	04/06/2024 20:10	WG2261801

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloroform	U		0.00111	0.0500	10	04/06/2024 20:10	WG2261801
Chloromethane	U		0.00960	0.0250	10	04/06/2024 20:10	WG2261801
1,2-Dibromoethane	U		0.00126	0.0100	10	04/06/2024 20:10	WG2261801
1,1-Dichloroethane	U		0.00100	0.0100	10	04/06/2024 20:10	WG2261801
1,2-Dichloroethane	0.00240	J	0.000819	0.0100	10	04/06/2024 20:10	WG2261801
1,1-Dichloroethene	U		0.00188	0.0100	10	04/06/2024 20:10	WG2261801
cis-1,2-Dichloroethene	U		0.00126	0.0100	10	04/06/2024 20:10	WG2261801
trans-1,2-Dichloroethene	U		0.00149	0.0100	10	04/06/2024 20:10	WG2261801
1,2-Dichloropropane	U		0.00149	0.0100	10	04/06/2024 20:10	WG2261801
cis-1,3-Dichloropropene	U		0.00111	0.0100	10	04/06/2024 20:10	WG2261801
trans-1,3-Dichloropropene	U		0.00118	0.0100	10	04/06/2024 20:10	WG2261801
Ethylbenzene	0.744		0.00137	0.0100	10	04/06/2024 20:10	WG2261801
Isopropylbenzene	0.0355		0.00105	0.0100	10	04/06/2024 20:10	WG2261801
p-Isopropyltoluene	0.00396	J	0.00120	0.0100	10	04/06/2024 20:10	WG2261801
2-Butanone (MEK)	0.0478	J	0.0119	0.100	10	04/06/2024 20:10	WG2261801
2-Hexanone	U		0.00787	0.100	10	04/06/2024 20:10	WG2261801
Methylene Chloride	U		0.00430	0.0500	10	04/06/2024 20:10	WG2261801
4-Methyl-2-pentanone (MIBK)	0.0188	J	0.00478	0.100	10	04/06/2024 20:10	WG2261801
Methyl tert-butyl ether	0.504		0.00101	0.0100	10	04/06/2024 20:10	WG2261801
Naphthalene	0.119		0.0100	0.0500	10	04/06/2024 20:10	WG2261801
n-Propylbenzene	0.0467		0.000993	0.0100	10	04/06/2024 20:10	WG2261801
Styrene	U		0.00118	0.0100	10	04/06/2024 20:10	WG2261801
tert-Butyl alcohol	0.301		0.0406	0.0500	10	04/06/2024 20:10	WG2261801
1,1,1,2-Tetrachloroethane	U		0.00147	0.0100	10	04/06/2024 20:10	WG2261801
1,1,2,2-Tetrachloroethane	U		0.00133	0.0100	10	04/06/2024 20:10	WG2261801
Tetrachloroethene	U		0.00300	0.0100	10	04/06/2024 20:10	WG2261801
Toluene	0.294		0.00278	0.0100	10	04/06/2024 20:10	WG2261801
1,1,1-Trichloroethane	U		0.00149	0.0100	10	04/06/2024 20:10	WG2261801
1,1,2-Trichloroethane	U		0.00158	0.0100	10	04/06/2024 20:10	WG2261801
Trichloroethene	U		0.00190	0.0100	10	04/06/2024 20:10	WG2261801
1,2,4-Trimethylbenzene	0.210		0.00322	0.0100	10	04/06/2024 20:10	WG2261801
1,3,5-Trimethylbenzene	0.0418		0.00104	0.0100	10	04/06/2024 20:10	WG2261801
Vinyl chloride	U		0.00234	0.0100	10	04/06/2024 20:10	WG2261801
o-Xylene	0.0482		0.00174	0.0100	10	04/06/2024 20:10	WG2261801
m&p-Xylene	0.431		0.00430	0.0200	10	04/06/2024 20:10	WG2261801
Xylenes, Total	0.479		0.00174	0.0300	10	04/06/2024 20:10	WG2261801
(S) Toluene-d8	*92.8*			*80.0-120*		*04/06/2024 20:10*	WG2261801
(S) Toluene-d8	*107*			*80.0-120*		*04/08/2024 19:08*	WG2262735
(S) 4-Bromofluorobenzene	*92.8*			*77.0-126*		*04/06/2024 20:10*	WG2261801
(S) 4-Bromofluorobenzene	*81.7*			*77.0-126*		*04/08/2024 19:08*	WG2262735
(S) 1,2-Dichloroethane-d4	*122*			*70.0-130*		*04/06/2024 20:10*	WG2261801
(S) 1,2-Dichloroethane-d4	*80.7*			*70.0-130*		*04/08/2024 19:08*	WG2262735

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	8.78		0.0247	0.100	1	04/14/2024 13:35	WG2262353
(S) o-Terphenyl	*123*			*52.0-156*		*04/14/2024 13:35*	WG2262353

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LB-REST-02
Collected date/time: 04/02/24 12:45
L1721739

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	ND		100	1	04/06/2024 17:22	WG2260199

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	0.567	J	0.379	1.00	1	04/04/2024 07:37	WG2259802
Fluoride	U		0.0640	0.150	1	04/04/2024 07:37	WG2259802
Nitrate	0.0671	J	0.0480	0.100	1	04/04/2024 07:37	WG2259802
Nitrite	0.0499	J	0.0420	0.100	1	04/04/2024 07:37	WG2259802
Sulfate	U		0.594	5.00	1	04/04/2024 07:37	WG2259802

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	U		0.000180	0.00200	1	04/10/2024 16:26	WG2260470
Arsenic,Dissolved	U		0.000180	0.00200	1	04/09/2024 03:05	WG2260459
Barium	0.00182	J	0.000381	0.00200	1	04/10/2024 16:26	WG2260470
Barium,Dissolved	0.00217		0.000381	0.00200	1	04/09/2024 03:05	WG2260459
Calcium	0.466	J	0.0936	1.00	1	04/10/2024 16:26	WG2260470
Chromium	U		0.00124	0.00200	1	04/10/2024 16:26	WG2260470
Chromium,Dissolved	U		0.00124	0.00200	1	04/09/2024 03:05	WG2260459
Iron	U		0.0281	0.100	1	04/10/2024 16:26	WG2260470
Iron,Dissolved	0.0373	J	0.0281	0.100	1	04/09/2024 03:05	WG2260459
Lead	U		0.000849	0.00200	1	04/10/2024 16:26	WG2260470
Lead,Dissolved	U		0.000849	0.00200	1	04/09/2024 03:05	WG2260459
Manganese	U		0.000704	0.00500	1	04/10/2024 16:26	WG2260470
Manganese,Dissolved	0.000951	J	0.000704	0.00500	1	04/09/2024 03:05	WG2260459
Potassium	0.236	J	0.108	2.00	1	04/10/2024 16:26	WG2260470
Selenium	U		0.000300	0.00200	1	04/10/2024 16:26	WG2260470
Selenium,Dissolved	U		0.000300	0.00200	1	04/09/2024 03:05	WG2260459
Sodium	2.47		0.376	2.00	1	04/10/2024 16:26	WG2260470

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/05/2024 18:40	WG2261420
(S) a,a,a-Trifluorotoluene(FID)	*90.8*			*78.0-120*		*04/05/2024 18:40*	WG2261420

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 13:58	WG2261801
Benzene	U		0.0000941	0.00100	1	04/06/2024 13:58	WG2261801
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 13:58	WG2261801
Bromoform	U		0.000129	0.00100	1	04/06/2024 13:58	WG2261801
Bromomethane	U		0.000605	0.00500	1	04/06/2024 13:58	WG2261801
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 13:58	WG2261801
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2024 13:58	WG2261801
Carbon disulfide	U		0.0000962	0.00100	1	04/06/2024 13:58	WG2261801
Carbon tetrachloride	0.000466	J	0.000128	0.00100	1	04/06/2024 13:58	WG2261801
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 13:58	WG2261801
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 13:58	WG2261801
Chloroethane	U		0.000192	0.00500	1	04/06/2024 13:58	WG2261801

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LB-REST-02
Collected date/time: 04/02/24 12:45
L1721739

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloroform	U		0.000111	0.00500	1	04/06/2024 13:58	WG2261801
Chloromethane	U		0.000960	0.00250	1	04/06/2024 13:58	WG2261801
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 13:58	WG2261801
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 13:58	WG2261801
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 13:58	WG2261801
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 13:58	WG2261801
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 13:58	WG2261801
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 13:58	WG2261801
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 13:58	WG2261801
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 13:58	WG2261801
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 13:58	WG2261801
Ethylbenzene	U		0.000137	0.00100	1	04/06/2024 13:58	WG2261801
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2024 13:58	WG2261801
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 13:58	WG2261801
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 13:58	WG2261801
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 13:58	WG2261801
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 13:58	WG2261801
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 13:58	WG2261801
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/06/2024 13:58	WG2261801
Naphthalene	U		0.00100	0.00500	1	04/06/2024 13:58	WG2261801
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2024 13:58	WG2261801
Styrene	U		0.000118	0.00100	1	04/06/2024 13:58	WG2261801
tert-Butyl alcohol	U		0.00406	0.00500	1	04/06/2024 13:58	WG2261801
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 13:58	WG2261801
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 13:58	WG2261801
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 13:58	WG2261801
Toluene	U		0.000278	0.00100	1	04/06/2024 13:58	WG2261801
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 13:58	WG2261801
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 13:58	WG2261801
Trichloroethene	U		0.000190	0.00100	1	04/06/2024 13:58	WG2261801
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2024 13:58	WG2261801
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2024 13:58	WG2261801
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 13:58	WG2261801
o-Xylene	U		0.000174	0.00100	1	04/06/2024 13:58	WG2261801
m&p-Xylene	U		0.000430	0.00200	1	04/06/2024 13:58	WG2261801
Xylenes, Total	U		0.000174	0.00300	1	04/06/2024 13:58	WG2261801
(S) Toluene-d8	*99.7*			*80.0-120*		*04/06/2024 13:58*	WG2261801
(S) 4-Bromofluorobenzene	*86.3*			*77.0-126*		*04/06/2024 13:58*	WG2261801
(S) 1,2-Dichloroethane-d4	*125*			*70.0-130*		*04/06/2024 13:58*	WG2261801

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0366	J	0.0247	0.100	1	04/14/2024 10:49	WG2262353
(S) o-Terphenyl	*109*			*52.0-156*		*04/14/2024 10:49*	WG2262353

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	902		20.0	1	04/06/2024 17:22	WG2260199

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	51.8		0.379	1.00	1	04/04/2024 03:43	WG2259760
Fluoride	1.22		0.0640	0.150	1	04/04/2024 03:43	WG2259760
Nitrate	U		0.0480	0.100	1	04/04/2024 03:43	WG2259760
Nitrite	U		0.0420	0.100	1	04/04/2024 03:43	WG2259760
Sulfate	138		0.594	5.00	1	04/04/2024 03:43	WG2259760

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0353		0.000180	0.00200	1	04/10/2024 16:29	WG2260470
Arsenic,Dissolved	0.0306		0.000180	0.00200	1	04/09/2024 03:08	WG2260459
Barium	0.0575		0.000381	0.00200	1	04/10/2024 16:29	WG2260470
Barium,Dissolved	0.0664		0.000381	0.00200	1	04/09/2024 03:08	WG2260459
Calcium	122		0.0936	1.00	1	04/10/2024 16:29	WG2260470
Chromium	U		0.00124	0.00200	1	04/10/2024 16:29	WG2260470
Chromium,Dissolved	U		0.00124	0.00200	1	04/09/2024 03:08	WG2260459
Iron	1.20		0.0281	0.100	1	04/10/2024 16:29	WG2260470
Iron,Dissolved	1.14		0.0281	0.100	1	04/09/2024 03:08	WG2260459
Lead	U		0.000849	0.00200	1	04/10/2024 16:29	WG2260470
Lead,Dissolved	U		0.000849	0.00200	1	04/09/2024 03:08	WG2260459
Manganese	0.745		0.000704	0.00500	1	04/10/2024 16:29	WG2260470
Manganese,Dissolved	0.711		0.000704	0.00500	1	04/09/2024 03:08	WG2260459
Potassium	0.606	J	0.108	2.00	1	04/10/2024 16:29	WG2260470
Selenium	U		0.000300	0.00200	1	04/10/2024 16:29	WG2260470
Selenium,Dissolved	U		0.000300	0.00200	1	04/09/2024 03:08	WG2260459
Sodium	136		0.376	2.00	1	04/10/2024 16:29	WG2260470

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.478		0.0314	0.100	1	04/05/2024 23:58	WG2261420
(S) a,a,a-Trifluorotoluene(FID)	*88.8*			*78.0-120*		*04/05/2024 23:58*	WG2261420

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 19:48	WG2261801
Benzene	0.0110		0.0000941	0.00100	1	04/06/2024 19:48	WG2261801
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 19:48	WG2261801
Bromoform	U		0.000129	0.00100	1	04/06/2024 19:48	WG2261801
Bromomethane	U		0.000605	0.00500	1	04/06/2024 19:48	WG2261801
n-Butylbenzene	0.000972	J	0.000157	0.00100	1	04/06/2024 19:48	WG2261801
sec-Butylbenzene	0.00177		0.000125	0.00100	1	04/06/2024 19:48	WG2261801
Carbon disulfide	U		0.0000962	0.00100	1	04/06/2024 19:48	WG2261801
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 19:48	WG2261801
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 19:48	WG2261801
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 19:48	WG2261801
Chloroethane	U		0.000192	0.00500	1	04/06/2024 19:48	WG2261801

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloroform	U		0.000111	0.00500	1	04/06/2024 19:48	WG2261801
Chloromethane	U		0.000960	0.00250	1	04/06/2024 19:48	WG2261801
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 19:48	WG2261801
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 19:48	WG2261801
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 19:48	WG2261801
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 19:48	WG2261801
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 19:48	WG2261801
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 19:48	WG2261801
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 19:48	WG2261801
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 19:48	WG2261801
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 19:48	WG2261801
Ethylbenzene	0.00156		0.000137	0.00100	1	04/06/2024 19:48	WG2261801
Isopropylbenzene	0.00382		0.000105	0.00100	1	04/06/2024 19:48	WG2261801
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 19:48	WG2261801
2-Butanone (MEK)	0.00752	J	0.00119	0.0100	1	04/06/2024 19:48	WG2261801
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 19:48	WG2261801
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 19:48	WG2261801
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 19:48	WG2261801
Methyl tert-butyl ether	0.0222		0.000101	0.00100	1	04/06/2024 19:48	WG2261801
Naphthalene	0.00137	J	0.00100	0.00500	1	04/06/2024 19:48	WG2261801
n-Propylbenzene	0.00392		0.0000993	0.00100	1	04/06/2024 19:48	WG2261801
Styrene	U		0.000118	0.00100	1	04/06/2024 19:48	WG2261801
tert-Butyl alcohol	0.0297		0.00406	0.00500	1	04/06/2024 19:48	WG2261801
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 19:48	WG2261801
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 19:48	WG2261801
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 19:48	WG2261801
Toluene	U		0.000278	0.00100	1	04/06/2024 19:48	WG2261801
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 19:48	WG2261801
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 19:48	WG2261801
Trichloroethene	U		0.000190	0.00100	1	04/06/2024 19:48	WG2261801
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2024 19:48	WG2261801
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2024 19:48	WG2261801
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 19:48	WG2261801
o-Xylene	U		0.000174	0.00100	1	04/06/2024 19:48	WG2261801
m&p-Xylene	0.000445	J	0.000430	0.00200	1	04/06/2024 19:48	WG2261801
Xylenes, Total	0.000445	J	0.000174	0.00300	1	04/06/2024 19:48	WG2261801
(S) Toluene-d8	*93.3*			*80.0-120*		*04/06/2024 19:48*	WG2261801
(S) 4-Bromofluorobenzene	*95.3*			*77.0-126*		*04/06/2024 19:48*	WG2261801
(S) 1,2-Dichloroethane-d4	*132*	J1		*70.0-130*		*04/06/2024 19:48*	WG2261801

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	3.42		0.0247	0.100	1	04/14/2024 12:53	WG2262353
(S) o-Terphenyl	*88.4*			*52.0-156*		*04/14/2024 12:53*	WG2262353

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1180		20.0	1	04/06/2024 17:22	WG2260199

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	74.0		0.379	1.00	1	04/04/2024 03:59	WG2259760
Fluoride	1.01		0.0640	0.150	1	04/04/2024 03:59	WG2259760
Nitrate	U		0.0480	0.100	1	04/04/2024 03:59	WG2259760
Nitrite	U		0.0420	0.100	1	04/04/2024 03:59	WG2259760
Sulfate	281		5.94	50.0	10	04/04/2024 06:54	WG2259760

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00615		0.000180	0.00200	1	04/10/2024 16:32	WG2260470
Arsenic,Dissolved	0.00674		0.000180	0.00200	1	04/09/2024 03:12	WG2260459
Barium	0.634		0.000381	0.00200	1	04/10/2024 16:32	WG2260470
Barium,Dissolved	0.931		0.000381	0.00200	1	04/09/2024 03:12	WG2260459
Calcium	260		0.0936	1.00	1	04/10/2024 16:32	WG2260470
Chromium	0.00137	J	0.00124	0.00200	1	04/10/2024 16:32	WG2260470
Chromium,Dissolved	U		0.00124	0.00200	1	04/09/2024 03:12	WG2260459
Iron	0.214		0.0281	0.100	1	04/10/2024 16:32	WG2260470
Iron,Dissolved	U		0.0281	0.100	1	04/09/2024 03:12	WG2260459
Lead	U		0.000849	0.00200	1	04/10/2024 16:32	WG2260470
Lead,Dissolved	U		0.000849	0.00200	1	04/09/2024 03:12	WG2260459
Manganese	0.223		0.000704	0.00500	1	04/10/2024 16:32	WG2260470
Manganese,Dissolved	0.228		0.000704	0.00500	1	04/09/2024 03:12	WG2260459
Potassium	3.93		0.108	2.00	1	04/10/2024 16:32	WG2260470
Selenium	0.000432	J	0.000300	0.00200	1	04/10/2024 16:32	WG2260470
Selenium,Dissolved	0.000320	J	0.000300	0.00200	1	04/09/2024 03:12	WG2260459
Sodium	68.0		0.376	2.00	1	04/10/2024 16:32	WG2260470

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	9.07		0.314	1.00	10	04/06/2024 01:06	WG2261420
(S) a,a,a-Trifluorotoluene(FID)	*88.2*			*78.0-120*		*04/06/2024 01:06*	WG2261420

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.113	0.500	10	04/06/2024 20:32	WG2261801
Benzene	3.90		0.0188	0.200	200	04/08/2024 19:26	WG2262735
Bromodichloromethane	U		0.00136	0.0100	10	04/06/2024 20:32	WG2261801
Bromoform	U		0.00129	0.0100	10	04/06/2024 20:32	WG2261801
Bromomethane	U		0.00605	0.0500	10	04/06/2024 20:32	WG2261801
n-Butylbenzene	U		0.00157	0.0100	10	04/06/2024 20:32	WG2261801
sec-Butylbenzene	0.00814	J	0.00125	0.0100	10	04/06/2024 20:32	WG2261801
Carbon disulfide	U		0.000962	0.0100	10	04/06/2024 20:32	WG2261801
Carbon tetrachloride	U		0.00128	0.0100	10	04/06/2024 20:32	WG2261801
Chlorobenzene	U		0.00116	0.0100	10	04/06/2024 20:32	WG2261801
Chlorodibromomethane	U		0.00140	0.0100	10	04/06/2024 20:32	WG2261801
Chloroethane	U		0.00192	0.0500	10	04/06/2024 20:32	WG2261801

MW-109
Collected date/time: 04/02/24 08:25
L1721739

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloroform	U		0.00111	0.0500	10	04/06/2024 20:32	WG2261801
Chloromethane	U		0.00960	0.0250	10	04/06/2024 20:32	WG2261801
1,2-Dibromoethane	U		0.00126	0.0100	10	04/06/2024 20:32	WG2261801
1,1-Dichloroethane	U		0.00100	0.0100	10	04/06/2024 20:32	WG2261801
1,2-Dichloroethane	U		0.000819	0.0100	10	04/06/2024 20:32	WG2261801
1,1-Dichloroethene	U		0.00188	0.0100	10	04/06/2024 20:32	WG2261801
cis-1,2-Dichloroethene	U		0.00126	0.0100	10	04/06/2024 20:32	WG2261801
trans-1,2-Dichloroethene	U		0.00149	0.0100	10	04/06/2024 20:32	WG2261801
1,2-Dichloropropane	U		0.00149	0.0100	10	04/06/2024 20:32	WG2261801
cis-1,3-Dichloropropene	U		0.00111	0.0100	10	04/06/2024 20:32	WG2261801
trans-1,3-Dichloropropene	U		0.00118	0.0100	10	04/06/2024 20:32	WG2261801
Ethylbenzene	0.0750		0.00137	0.0100	10	04/06/2024 20:32	WG2261801
Isopropylbenzene	0.0362		0.00105	0.0100	10	04/06/2024 20:32	WG2261801
p-Isopropyltoluene	0.00430	J	0.00120	0.0100	10	04/06/2024 20:32	WG2261801
2-Butanone (MEK)	U		0.0119	0.100	10	04/06/2024 20:32	WG2261801
2-Hexanone	U		0.00787	0.100	10	04/06/2024 20:32	WG2261801
Methylene Chloride	U		0.00430	0.0500	10	04/06/2024 20:32	WG2261801
4-Methyl-2-pentanone (MIBK)	0.00687	J	0.00478	0.100	10	04/06/2024 20:32	WG2261801
Methyl tert-butyl ether	0.0166		0.00101	0.0100	10	04/06/2024 20:32	WG2261801
Naphthalene	0.0160	J	0.0100	0.0500	10	04/06/2024 20:32	WG2261801
n-Propylbenzene	0.0387		0.000993	0.0100	10	04/06/2024 20:32	WG2261801
Styrene	U		0.00118	0.0100	10	04/06/2024 20:32	WG2261801
tert-Butyl alcohol	0.0699		0.0406	0.0500	10	04/06/2024 20:32	WG2261801
1,1,1,2-Tetrachloroethane	U		0.00147	0.0100	10	04/06/2024 20:32	WG2261801
1,1,2,2-Tetrachloroethane	U		0.00133	0.0100	10	04/06/2024 20:32	WG2261801
Tetrachloroethene	U		0.00300	0.0100	10	04/06/2024 20:32	WG2261801
Toluene	0.00412	J	0.00278	0.0100	10	04/06/2024 20:32	WG2261801
1,1,1-Trichloroethane	U		0.00149	0.0100	10	04/06/2024 20:32	WG2261801
1,1,2-Trichloroethane	U		0.00158	0.0100	10	04/06/2024 20:32	WG2261801
Trichloroethene	U		0.00190	0.0100	10	04/06/2024 20:32	WG2261801
1,2,4-Trimethylbenzene	0.0389		0.00322	0.0100	10	04/06/2024 20:32	WG2261801
1,3,5-Trimethylbenzene	0.00183	J	0.00104	0.0100	10	04/06/2024 20:32	WG2261801
Vinyl chloride	U		0.00234	0.0100	10	04/06/2024 20:32	WG2261801
o-Xylene	0.00211	J	0.00174	0.0100	10	04/06/2024 20:32	WG2261801
m&p-Xylene	0.0989		0.00430	0.0200	10	04/06/2024 20:32	WG2261801
Xylenes, Total	0.101		0.00174	0.0300	10	04/06/2024 20:32	WG2261801
(S) Toluene-d8	*99.2*			*80.0-120*		*04/06/2024 20:32*	WG2261801
(S) Toluene-d8	*112*			*80.0-120*		*04/08/2024 19:26*	WG2262735
(S) 4-Bromofluorobenzene	*93.9*			*77.0-126*		*04/06/2024 20:32*	WG2261801
(S) 4-Bromofluorobenzene	*86.8*			*77.0-126*		*04/08/2024 19:26*	WG2262735
(S) 1,2-Dichloroethane-d4	*122*			*70.0-130*		*04/06/2024 20:32*	WG2261801
(S) 1,2-Dichloroethane-d4	*77.9*			*70.0-130*		*04/08/2024 19:26*	WG2262735

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	13.5		0.123	0.500	5	04/14/2024 15:38	WG2262353
(S) o-Terphenyl	*91.1*			*52.0-156*		*04/14/2024 15:38*	WG2262353

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	2900		50.0	1	04/04/2024 17:12	WG2260049

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	710		3.79	10.0	10	04/04/2024 07:52	WG2259802
Fluoride	0.833	J	0.640	1.50	10	04/04/2024 07:52	WG2259802
Nitrate	U		0.480	1.00	10	04/04/2024 07:52	WG2259802
Nitrite	U		0.420	1.00	10	04/04/2024 07:52	WG2259802
Sulfate	808		5.94	50.0	10	04/04/2024 07:52	WG2259802

Sample Narrative:

L1721739-58 WG2259802: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.00154	J	0.000180	0.00200	1	04/10/2024 16:36	WG2260470
Arsenic,Dissolved	0.00212		0.000180	0.00200	1	04/09/2024 03:15	WG2260459
Barium	0.0457		0.000381	0.00200	1	04/10/2024 16:36	WG2260470
Barium,Dissolved	0.0451		0.000381	0.00200	1	04/09/2024 03:15	WG2260459
Calcium	374		0.0936	1.00	1	04/10/2024 16:36	WG2260470
Chromium	U		0.00124	0.00200	1	04/10/2024 16:36	WG2260470
Chromium,Dissolved	U		0.00124	0.00200	1	04/09/2024 03:15	WG2260459
Iron	0.0449	J	0.0281	0.100	1	04/10/2024 16:36	WG2260470
Iron,Dissolved	U		0.0281	0.100	1	04/09/2024 03:15	WG2260459
Lead	0.00432		0.000849	0.00200	1	04/10/2024 16:36	WG2260470
Lead,Dissolved	0.00338		0.000849	0.00200	1	04/10/2024 12:34	WG2263251
Manganese	0.0317		0.000704	0.00500	1	04/10/2024 16:36	WG2260470
Manganese,Dissolved	0.0321		0.000704	0.00500	1	04/09/2024 03:15	WG2260459
Potassium	0.875	J	0.108	2.00	1	04/10/2024 16:36	WG2260470
Selenium	U		0.000300	0.00200	1	04/10/2024 16:36	WG2260470
Selenium,Dissolved	U		0.000300	0.00200	1	04/09/2024 03:15	WG2260459
Sodium	367		0.376	2.00	1	04/10/2024 16:36	WG2260470

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	8.73		0.628	2.00	20	04/07/2024 17:33	WG2261994
(S) a,a,a-Trifluorotoluene(FID)	*90.0*			*78.0-120*		*04/07/2024 17:33*	WG2261994

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		0.226	1.00	20	04/06/2024 20:06	WG2261823
Benzene	0.976		0.00188	0.0200	20	04/06/2024 20:06	WG2261823
Bromodichloromethane	U		0.00272	0.0200	20	04/06/2024 20:06	WG2261823
Bromoform	U		0.00258	0.0200	20	04/06/2024 20:06	WG2261823
Bromomethane	U		0.0121	0.100	20	04/06/2024 20:06	WG2261823
n-Butylbenzene	0.00671	J	0.00314	0.0200	20	04/06/2024 20:06	WG2261823
sec-Butylbenzene	0.0137	J	0.00250	0.0200	20	04/06/2024 20:06	WG2261823
Carbon disulfide	0.0105	B J	0.00192	0.0200	20	04/06/2024 20:06	WG2261823
Carbon tetrachloride	U		0.00256	0.0200	20	04/06/2024 20:06	WG2261823

MW-01
Collected date/time: 04/02/24 11:40
L1721739

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.00232	0.0200	20	04/06/2024 20:06	WG2261823
Chlorodibromomethane	U		0.00280	0.0200	20	04/06/2024 20:06	WG2261823
Chloroethane	U		0.00384	0.100	20	04/06/2024 20:06	WG2261823
Chloroform	U		0.00222	0.100	20	04/06/2024 20:06	WG2261823
Chloromethane	U	J3	0.0192	0.0500	20	04/06/2024 20:06	WG2261823
1,2-Dibromoethane	U		0.00252	0.0200	20	04/06/2024 20:06	WG2261823
1,1-Dichloroethane	U		0.00200	0.0200	20	04/06/2024 20:06	WG2261823
1,2-Dichloroethane	U		0.00164	0.0200	20	04/06/2024 20:06	WG2261823
1,1-Dichloroethene	U		0.00376	0.0200	20	04/06/2024 20:06	WG2261823
cis-1,2-Dichloroethene	U		0.00252	0.0200	20	04/06/2024 20:06	WG2261823
trans-1,2-Dichloroethene	U		0.00298	0.0200	20	04/06/2024 20:06	WG2261823
1,2-Dichloropropane	U		0.00298	0.0200	20	04/06/2024 20:06	WG2261823
cis-1,3-Dichloropropene	U		0.00222	0.0200	20	04/06/2024 20:06	WG2261823
trans-1,3-Dichloropropene	U		0.00236	0.0200	20	04/06/2024 20:06	WG2261823
Ethylbenzene	0.0618		0.00274	0.0200	20	04/06/2024 20:06	WG2261823
Isopropylbenzene	0.111		0.00210	0.0200	20	04/06/2024 20:06	WG2261823
p-Isopropyltoluene	0.00732	J	0.00240	0.0200	20	04/06/2024 20:06	WG2261823
2-Butanone (MEK)	U		0.0238	0.200	20	04/06/2024 20:06	WG2261823
2-Hexanone	U		0.0157	0.200	20	04/06/2024 20:06	WG2261823
Methylene Chloride	U		0.00860	0.100	20	04/06/2024 20:06	WG2261823
4-Methyl-2-pentanone (MIBK)	U		0.00956	0.200	20	04/06/2024 20:06	WG2261823
Methyl tert-butyl ether	U		0.00202	0.0200	20	04/06/2024 20:06	WG2261823
Naphthalene	0.169		0.0200	0.100	20	04/06/2024 20:06	WG2261823
n-Propylbenzene	0.140		0.00199	0.0200	20	04/06/2024 20:06	WG2261823
Styrene	U		0.00236	0.0200	20	04/06/2024 20:06	WG2261823
tert-Butyl alcohol	U		0.0812	0.100	20	04/06/2024 20:06	WG2261823
1,1,1,2-Tetrachloroethane	U		0.00294	0.0200	20	04/06/2024 20:06	WG2261823
1,1,2,2-Tetrachloroethane	U		0.00266	0.0200	20	04/06/2024 20:06	WG2261823
Tetrachloroethene	U		0.00600	0.0200	20	04/06/2024 20:06	WG2261823
Toluene	0.164		0.00556	0.0200	20	04/06/2024 20:06	WG2261823
1,1,1-Trichloroethane	U		0.00298	0.0200	20	04/06/2024 20:06	WG2261823
1,1,2-Trichloroethane	U		0.00316	0.0200	20	04/06/2024 20:06	WG2261823
Trichloroethene	U		0.00380	0.0200	20	04/06/2024 20:06	WG2261823
1,2,4-Trimethylbenzene	0.336		0.00644	0.0200	20	04/06/2024 20:06	WG2261823
1,3,5-Trimethylbenzene	0.0399		0.00208	0.0200	20	04/06/2024 20:06	WG2261823
Vinyl chloride	U		0.00468	0.0200	20	04/06/2024 20:06	WG2261823
o-Xylene	0.00882	J	0.00348	0.0200	20	04/06/2024 20:06	WG2261823
m&p-Xylene	0.892		0.00860	0.0400	20	04/06/2024 20:06	WG2261823
Xylenes, Total	0.901		0.00348	0.0600	20	04/06/2024 20:06	WG2261823
(S) Toluene-d8	*108*			*80.0-120*		*04/06/2024 20:06*	WG2261823
(S) 4-Bromofluorobenzene	*96.1*			*77.0-126*		*04/06/2024 20:06*	WG2261823
(S) 1,2-Dichloroethane-d4	*85.6*			*70.0-130*		*04/06/2024 20:06*	WG2261823

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	6.18		0.0247	0.100	1	04/14/2024 13:14	WG2262353
(S) o-Terphenyl	*95.8*			*52.0-156*		*04/14/2024 13:14*	WG2262353

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	0.000647	J	0.0000886	0.00100	1	04/15/2024 21:38	WG2262042
Acenaphthylene	U		0.0000921	0.00100	1	04/15/2024 21:38	WG2262042
Acetophenone	U		0.000208	0.0100	1	04/15/2024 21:38	WG2262042
Anthracene	U		0.0000804	0.00100	1	04/15/2024 21:38	WG2262042
Atrazine	U		0.000255	0.0100	1	04/15/2024 21:38	WG2262042
Benzo(a)anthracene	U		0.000199	0.00100	1	04/15/2024 21:38	WG2262042
Benzaldehyde	U	C6 J4	0.00169	0.0100	1	04/15/2024 21:38	WG2262042
Benzo(b)fluoranthene	U		0.000130	0.00100	1	04/15/2024 21:38	WG2262042
Benzo(k)fluoranthene	U		0.000120	0.00100	1	04/15/2024 21:38	WG2262042
Benzo(g,h,i)perylene	U		0.000121	0.00100	1	04/15/2024 21:38	WG2262042
Benzo(a)pyrene	U		0.0000381	0.000200	1	04/15/2024 21:38	WG2262042
Biphenyl	0.00395	J	0.000790	0.0100	1	04/15/2024 21:38	WG2262042
Bis(2-chlorethoxy)methane	U		0.000116	0.0100	1	04/15/2024 21:38	WG2262042
Bis(2-chloroethyl)ether	U		0.000137	0.0100	1	04/15/2024 21:38	WG2262042
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100	1	04/15/2024 21:38	WG2262042
4-Bromophenyl-phenylether	U		0.0000877	0.0100	1	04/15/2024 21:38	WG2262042
2-Chloronaphthalene	U		0.0000648	0.00100	1	04/15/2024 21:38	WG2262042
4-Chlorophenyl-phenylether	U		0.0000926	0.0100	1	04/15/2024 21:38	WG2262042
Caprolactam	U		0.000309	0.0100	1	04/15/2024 21:38	WG2262042
Carbazole	0.00108	J	0.000111	0.0100	1	04/15/2024 21:38	WG2262042
Chrysene	U		0.000130	0.00100	1	04/15/2024 21:38	WG2262042
Dibenz(a,h)anthracene	U		0.0000644	0.000200	1	04/15/2024 21:38	WG2262042
Dibenzofuran	0.00326	J	0.0000970	0.0100	1	04/15/2024 21:38	WG2262042
3,3-Dichlorobenzidine	U		0.000212	0.0100	1	04/15/2024 21:38	WG2262042
2,4-Dinitrotoluene	U		0.0000983	0.0100	1	04/15/2024 21:38	WG2262042
2,6-Dinitrotoluene	U		0.000250	0.0100	1	04/15/2024 21:38	WG2262042
Fluoranthene	U		0.000102	0.00100	1	04/15/2024 21:38	WG2262042
Fluorene	0.00190		0.0000844	0.00100	1	04/15/2024 21:38	WG2262042
Hexachlorobenzene	U		0.0000755	0.00100	1	04/15/2024 21:38	WG2262042
Hexachloro-1,3-butadiene	U		0.0000968	0.0100	1	04/15/2024 21:38	WG2262042
Hexachlorocyclopentadiene	U		0.0000598	0.0100	1	04/15/2024 21:38	WG2262042
Hexachloroethane	U		0.000127	0.0100	1	04/15/2024 21:38	WG2262042
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	1	04/15/2024 21:38	WG2262042
Isophorone	U		0.000143	0.0100	1	04/15/2024 21:38	WG2262042
1-Methylnaphthalene	0.0784		0.0000790	0.00100	1	04/15/2024 21:38	WG2262042
2-Methylnaphthalene	0.0338		0.000117	0.00100	1	04/15/2024 21:38	WG2262042
Naphthalene	0.111		0.000159	0.00100	1	04/15/2024 21:38	WG2262042
Nitrobenzene	U		0.000297	0.0100	1	04/15/2024 21:38	WG2262042
n-Nitrosodiphenylamine	U		0.00237	0.0100	1	04/15/2024 21:38	WG2262042
n-Nitrosodi-n-propylamine	U		0.000261	0.0100	1	04/15/2024 21:38	WG2262042
Phenanthrene	0.00111		0.000112	0.00100	1	04/15/2024 21:38	WG2262042
Benzylbutyl phthalate	U		0.000765	0.00300	1	04/15/2024 21:38	WG2262042
Bis(2-ethylhexyl)phthalate	0.00529		0.000895	0.00300	1	04/15/2024 21:38	WG2262042
Di-n-butyl phthalate	U		0.000453	0.00300	1	04/15/2024 21:38	WG2262042
Diethyl phthalate	U		0.000287	0.00300	1	04/15/2024 21:38	WG2262042
Dimethyl phthalate	U		0.000260	0.00300	1	04/15/2024 21:38	WG2262042
Di-n-octyl phthalate	U		0.000932	0.00300	1	04/15/2024 21:38	WG2262042
Pyrene	U		0.000107	0.00100	1	04/15/2024 21:38	WG2262042
1,2,4-Trichlorobenzene	U		0.0000698	0.0100	1	04/15/2024 21:38	WG2262042
4-Chloro-3-methylphenol	U		0.000131	0.0100	1	04/15/2024 21:38	WG2262042
2-Chlorophenol	U		0.000133	0.0100	1	04/15/2024 21:38	WG2262042
2,4-Dichlorophenol	U		0.000102	0.0100	1	04/15/2024 21:38	WG2262042
2,4-Dimethylphenol	0.000844	J	0.0000636	0.0100	1	04/15/2024 21:38	WG2262042
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100	1	04/15/2024 21:38	WG2262042
2,4-Dinitrophenol	U		0.00593	0.0100	1	04/15/2024 21:38	WG2262042
2-Nitrophenol	U		0.000117	0.0100	1	04/15/2024 21:38	WG2262042

MW-01
Collected date/time: 04/02/24 11:40
L1721739

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
2-Nitroaniline	U		0.000102	0.0100	1	04/15/2024 21:38	WG2262042
2-Methylphenol	U		0.0000929	0.0100	1	04/15/2024 21:38	WG2262042
3&4-Methyl Phenol	U		0.000168	0.0100	1	04/15/2024 21:38	WG2262042
3-Nitroaniline	U		0.0000869	0.0100	1	04/15/2024 21:38	WG2262042
4-Chloroaniline	U		0.000234	0.0100	1	04/15/2024 21:38	WG2262042
4-Nitroaniline	U		0.0000910	0.0100	1	04/15/2024 21:38	WG2262042
4-Nitrophenol	U	J4	0.000143	0.0100	1	04/15/2024 21:38	WG2262042
Pentachlorophenol	U		0.000313	0.0100	1	04/15/2024 21:38	WG2262042
Phenol	U		0.00433	0.0100	1	04/15/2024 21:38	WG2262042
2,4,5-Trichlorophenol	U		0.000109	0.0100	1	04/15/2024 21:38	WG2262042
2,4,6-Trichlorophenol	U		0.000100	0.0100	1	04/15/2024 21:38	WG2262042
(S) 2-Fluorophenol	*24.5*			*10.0-120*		*04/15/2024 21:38*	WG2262042
(S) Phenol-d5	*17.3*			*10.0-120*		*04/15/2024 21:38*	WG2262042
(S) Nitrobenzene-d5	*50.0*			*10.0-127*		*04/15/2024 21:38*	WG2262042
(S) 2-Fluorobiphenyl	*55.9*			*10.0-130*		*04/15/2024 21:38*	WG2262042
(S) 2,4,6-Tribromophenol	*53.1*			*10.0-155*		*04/15/2024 21:38*	WG2262042
(S) p-Terphenyl-d14	*53.6*			*10.0-128*		*04/15/2024 21:38*	WG2262042

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1440		50.0	1	04/05/2024 17:17	WG2260037

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	285		3.79	10.0	10	04/04/2024 10:25	WG2259796
Fluoride	0.662		0.0640	0.150	1	04/13/2024 18:11	WG2266511
Nitrate	0.0974	J	0.0480	0.100	1	04/04/2024 06:34	WG2259796
Nitrite	0.199		0.0420	0.100	1	04/04/2024 06:34	WG2259796
Sulfate	26.1		0.594	5.00	1	04/04/2024 06:34	WG2259796

Sample Narrative:

L1721739-59 WG2259796: dilution due to high Cl hit

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00778		0.000180	0.00200	1	04/10/2024 16:39	WG2260470
Arsenic,Dissolved	0.00750		0.000180	0.00200	1	04/09/2024 03:18	WG2260459
Barium	0.959		0.000381	0.00200	1	04/10/2024 16:39	WG2260470
Barium,Dissolved	0.941		0.000381	0.00200	1	04/09/2024 03:18	WG2260459
Calcium	187		0.0936	1.00	1	04/10/2024 16:39	WG2260470
Chromium	U		0.00124	0.00200	1	04/10/2024 16:39	WG2260470
Chromium,Dissolved	U		0.00124	0.00200	1	04/09/2024 03:18	WG2260459
Iron	U		0.0281	0.100	1	04/10/2024 16:39	WG2260470
Iron,Dissolved	U		0.0281	0.100	1	04/09/2024 03:18	WG2260459
Lead	U		0.000849	0.00200	1	04/10/2024 16:39	WG2260470
Lead,Dissolved	U		0.000849	0.00200	1	04/09/2024 03:18	WG2260459
Manganese	0.0103		0.000704	0.00500	1	04/10/2024 16:39	WG2260470
Manganese,Dissolved	0.00875		0.000704	0.00500	1	04/09/2024 03:18	WG2260459
Potassium	0.716	J	0.108	2.00	1	04/10/2024 16:39	WG2260470
Selenium	0.000445	J	0.000300	0.00200	1	04/10/2024 16:39	WG2260470
Selenium,Dissolved	0.000376	J	0.000300	0.00200	1	04/09/2024 03:18	WG2260459
Sodium	201		0.376	2.00	1	04/10/2024 16:39	WG2260470

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	9.23		0.157	0.500	5	04/08/2024 15:18	WG2262538
(S) a,a,a-Trifluorotoluene(FID)	*85.4*			*78.0-120*		*04/08/2024 15:18*	WG2262538

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 17:21	WG2261823
Benzene	4.77		0.00941	0.100	100	04/09/2024 03:13	WG2262572
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 17:21	WG2261823
Bromoform	U		0.000129	0.00100	1	04/06/2024 17:21	WG2261823
Bromomethane	U		0.000605	0.00500	1	04/06/2024 17:21	WG2261823
n-Butylbenzene	0.00516		0.000157	0.00100	1	04/06/2024 17:21	WG2261823
sec-Butylbenzene	0.0241		0.000125	0.00100	1	04/06/2024 17:21	WG2261823
Carbon disulfide	0.000277	B J	0.0000962	0.00100	1	04/06/2024 17:21	WG2261823
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 17:21	WG2261823

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 17:21	WG2261823
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 17:21	WG2261823
Chloroethane	U		0.000192	0.00500	1	04/06/2024 17:21	WG2261823
Chloroform	U		0.000111	0.00500	1	04/06/2024 17:21	WG2261823
Chloromethane	U	J3	0.000960	0.00250	1	04/06/2024 17:21	WG2261823
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 17:21	WG2261823
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 17:21	WG2261823
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 17:21	WG2261823
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 17:21	WG2261823
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 17:21	WG2261823
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 17:21	WG2261823
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 17:21	WG2261823
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 17:21	WG2261823
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 17:21	WG2261823
Ethylbenzene	0.00690		0.000137	0.00100	1	04/06/2024 17:21	WG2261823
Isopropylbenzene	0.167		0.000105	0.00100	1	04/06/2024 17:21	WG2261823
p-Isopropyltoluene	0.00126		0.000120	0.00100	1	04/06/2024 17:21	WG2261823
2-Butanone (MEK)	0.0228		0.00119	0.0100	1	04/06/2024 17:21	WG2261823
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 17:21	WG2261823
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 17:21	WG2261823
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 17:21	WG2261823
Methyl tert-butyl ether	0.0841		0.000101	0.00100	1	04/06/2024 17:21	WG2261823
Naphthalene	0.00689		0.00100	0.00500	1	04/06/2024 17:21	WG2261823
n-Propylbenzene	0.254		0.00993	0.100	100	04/09/2024 03:13	WG2262572
Styrene	U		0.000118	0.00100	1	04/06/2024 17:21	WG2261823
tert-Butyl alcohol	0.0302		0.00406	0.00500	1	04/06/2024 17:21	WG2261823
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 17:21	WG2261823
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 17:21	WG2261823
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 17:21	WG2261823
Toluene	0.00123		0.000278	0.00100	1	04/06/2024 17:21	WG2261823
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 17:21	WG2261823
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 17:21	WG2261823
Trichloroethene	U		0.000190	0.00100	1	04/06/2024 17:21	WG2261823
1,2,4-Trimethylbenzene	0.00898		0.000322	0.00100	1	04/06/2024 17:21	WG2261823
1,3,5-Trimethylbenzene	0.00150		0.000104	0.00100	1	04/06/2024 17:21	WG2261823
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 17:21	WG2261823
o-Xylene	0.000712	J	0.000174	0.00100	1	04/06/2024 17:21	WG2261823
m&p-Xylene	0.0263		0.000430	0.00200	1	04/06/2024 17:21	WG2261823
Xylenes, Total	0.0270		0.000174	0.00300	1	04/06/2024 17:21	WG2261823
(S) Toluene-d8	*103*			*80.0-120*		*04/06/2024 17:21*	WG2261823
(S) Toluene-d8	*99.2*			*80.0-120*		*04/09/2024 03:13*	WG2262572
(S) 4-Bromofluorobenzene	*98.1*			*77.0-126*		*04/06/2024 17:21*	WG2261823
(S) 4-Bromofluorobenzene	*99.9*			*77.0-126*		*04/09/2024 03:13*	WG2262572
(S) 1,2-Dichloroethane-d4	*82.8*			*70.0-130*		*04/06/2024 17:21*	WG2261823
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*		*04/09/2024 03:13*	WG2262572

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	7.65		0.0247	0.100	1	04/10/2024 01:47	WG2262630
(S) o-Terphenyl	*118*			*52.0-156*		*04/10/2024 01:47*	WG2262630

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2610		50.0	1	04/05/2024 17:17	WG2260037

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	201		3.79	10.0	10	04/04/2024 08:51	WG2259802
Fluoride	0.916	J	0.640	1.50	10	04/04/2024 08:51	WG2259802
Nitrate	U		0.480	1.00	10	04/04/2024 08:51	WG2259802
Nitrite	U		0.420	1.00	10	04/04/2024 08:51	WG2259802
Sulfate	1160		5.94	50.0	10	04/04/2024 08:51	WG2259802

Sample Narrative:

L1721739-60 WG2259802: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0148		0.000180	0.00200	1	04/10/2024 16:50	WG2260470
Arsenic,Dissolved	0.0199		0.000180	0.00200	1	04/09/2024 03:28	WG2260459
Barium	0.0451		0.000381	0.00200	1	04/10/2024 16:50	WG2260470
Barium,Dissolved	0.0428		0.000381	0.00200	1	04/09/2024 03:28	WG2260459
Calcium	317		0.0936	1.00	1	04/10/2024 16:50	WG2260470
Chromium	0.00125	J	0.00124	0.00200	1	04/10/2024 16:50	WG2260470
Chromium,Dissolved	U		0.00124	0.00200	1	04/09/2024 03:28	WG2260459
Iron	0.667		0.0281	0.100	1	04/10/2024 16:50	WG2260470
Iron,Dissolved	U		0.0281	0.100	1	04/09/2024 03:28	WG2260459
Lead	0.00620		0.000849	0.00200	1	04/10/2024 16:50	WG2260470
Lead,Dissolved	0.00525		0.000849	0.00200	1	04/10/2024 12:37	WG2263251
Manganese	0.00448	J	0.000704	0.00500	1	04/10/2024 16:50	WG2260470
Manganese,Dissolved	0.00416	J	0.000704	0.00500	1	04/09/2024 03:28	WG2260459
Potassium	2.34		0.108	2.00	1	04/10/2024 16:50	WG2260470
Selenium	0.000452	J	0.000300	0.00200	1	04/10/2024 16:50	WG2260470
Selenium,Dissolved	0.000545	J	0.000300	0.00200	1	04/09/2024 03:28	WG2260459
Sodium	266		0.376	2.00	1	04/10/2024 16:50	WG2260470

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	22.8		0.785	2.50	25	04/07/2024 17:56	WG2261994
(S) a,a,a-Trifluorotoluene(FID)	*88.4*			*78.0-120*		*04/07/2024 17:56*	WG2261994

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.282	1.25	25	04/06/2024 20:27	WG2261823
Benzene	12.4		0.0471	0.500	500	04/09/2024 03:34	WG2262572
Bromodichloromethane	U		0.00340	0.0250	25	04/06/2024 20:27	WG2261823
Bromoform	U		0.00322	0.0250	25	04/06/2024 20:27	WG2261823
Bromomethane	U		0.0151	0.125	25	04/06/2024 20:27	WG2261823
n-Butylbenzene	U		0.00393	0.0250	25	04/06/2024 20:27	WG2261823
sec-Butylbenzene	0.00531	J	0.00313	0.0250	25	04/06/2024 20:27	WG2261823
Carbon disulfide	0.0158	B J	0.00241	0.0250	25	04/06/2024 20:27	WG2261823
Carbon tetrachloride	U		0.00320	0.0250	25	04/06/2024 20:27	WG2261823

MW-106
Collected date/time: 04/02/24 12:55
L1721739

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.00290	0.0250	25	04/06/2024 20:27	WG2261823
Chlorodibromomethane	U		0.00350	0.0250	25	04/06/2024 20:27	WG2261823
Chloroethane	U		0.00480	0.125	25	04/06/2024 20:27	WG2261823
Chloroform	U		0.00278	0.125	25	04/06/2024 20:27	WG2261823
Chloromethane	U	J3	0.0240	0.0625	25	04/06/2024 20:27	WG2261823
1,2-Dibromoethane	U		0.00315	0.0250	25	04/06/2024 20:27	WG2261823
1,1-Dichloroethane	U		0.00250	0.0250	25	04/06/2024 20:27	WG2261823
1,2-Dichloroethane	U		0.00205	0.0250	25	04/06/2024 20:27	WG2261823
1,1-Dichloroethene	U		0.00470	0.0250	25	04/06/2024 20:27	WG2261823
cis-1,2-Dichloroethene	U		0.00315	0.0250	25	04/06/2024 20:27	WG2261823
trans-1,2-Dichloroethene	U		0.00373	0.0250	25	04/06/2024 20:27	WG2261823
1,2-Dichloropropane	U		0.00373	0.0250	25	04/06/2024 20:27	WG2261823
cis-1,3-Dichloropropene	U		0.00278	0.0250	25	04/06/2024 20:27	WG2261823
trans-1,3-Dichloropropene	U		0.00295	0.0250	25	04/06/2024 20:27	WG2261823
Ethylbenzene	0.155		0.00343	0.0250	25	04/06/2024 20:27	WG2261823
Isopropylbenzene	0.0335		0.00263	0.0250	25	04/06/2024 20:27	WG2261823
p-Isopropyltoluene	0.00357	J	0.00300	0.0250	25	04/06/2024 20:27	WG2261823
2-Butanone (MEK)	U		0.0298	0.250	25	04/06/2024 20:27	WG2261823
2-Hexanone	U		0.0197	0.250	25	04/06/2024 20:27	WG2261823
Methylene Chloride	U		0.0107	0.125	25	04/06/2024 20:27	WG2261823
4-Methyl-2-pentanone (MIBK)	U		0.0120	0.250	25	04/06/2024 20:27	WG2261823
Methyl tert-butyl ether	0.0509		0.00253	0.0250	25	04/06/2024 20:27	WG2261823
Naphthalene	0.0669	J	0.0250	0.125	25	04/06/2024 20:27	WG2261823
n-Propylbenzene	0.0408		0.00248	0.0250	25	04/06/2024 20:27	WG2261823
Styrene	U		0.00295	0.0250	25	04/06/2024 20:27	WG2261823
tert-Butyl alcohol	U		0.102	0.125	25	04/06/2024 20:27	WG2261823
1,1,1,2-Tetrachloroethane	U		0.00368	0.0250	25	04/06/2024 20:27	WG2261823
1,1,2,2-Tetrachloroethane	U		0.00333	0.0250	25	04/06/2024 20:27	WG2261823
Tetrachloroethene	U		0.00750	0.0250	25	04/06/2024 20:27	WG2261823
Toluene	0.798		0.00695	0.0250	25	04/06/2024 20:27	WG2261823
1,1,1-Trichloroethane	U		0.00373	0.0250	25	04/06/2024 20:27	WG2261823
1,1,2-Trichloroethane	U		0.00395	0.0250	25	04/06/2024 20:27	WG2261823
Trichloroethene	U		0.00475	0.0250	25	04/06/2024 20:27	WG2261823
1,2,4-Trimethylbenzene	0.0953		0.00805	0.0250	25	04/06/2024 20:27	WG2261823
1,3,5-Trimethylbenzene	0.0160	J	0.00260	0.0250	25	04/06/2024 20:27	WG2261823
Vinyl chloride	U		0.00585	0.0250	25	04/06/2024 20:27	WG2261823
o-Xylene	0.0742		0.00435	0.0250	25	04/06/2024 20:27	WG2261823
m&p-Xylene	0.215		0.0107	0.0500	25	04/06/2024 20:27	WG2261823
Xylenes, Total	0.289		0.00435	0.0750	25	04/06/2024 20:27	WG2261823
(S) Toluene-d8	*107*			*80.0-120*		*04/06/2024 20:27*	WG2261823
(S) Toluene-d8	*101*			*80.0-120*		*04/09/2024 03:34*	WG2262572
(S) 4-Bromofluorobenzene	*94.4*			*77.0-126*		*04/06/2024 20:27*	WG2261823
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*04/09/2024 03:34*	WG2262572
(S) 1,2-Dichloroethane-d4	*84.7*			*70.0-130*		*04/06/2024 20:27*	WG2261823
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*04/09/2024 03:34*	WG2262572

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	10.5		0.123	0.500	5	04/10/2024 10:36	WG2262630
(S) o-Terphenyl	*75.3*			*52.0-156*		*04/10/2024 10:36*	WG2262630

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Collected date/time: 04/02/24 12:55
L1721739

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C-mod

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
1,4-Dioxane	U	T8	0.0000447	0.000400	1	04/11/2024 19:18	WG2264603
(S) Nitrobenzene-d5	*65.7*			*10.0-120*		*04/11/2024 19:18*	WG2264603

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 14:37	WG2261823
Benzene	U		0.0000941	0.00100	1	04/06/2024 14:37	WG2261823
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 14:37	WG2261823
Bromoform	U		0.000129	0.00100	1	04/06/2024 14:37	WG2261823
Bromomethane	U		0.000605	0.00500	1	04/06/2024 14:37	WG2261823
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 14:37	WG2261823
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2024 14:37	WG2261823
Carbon disulfide	U		0.0000962	0.00100	1	04/06/2024 14:37	WG2261823
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 14:37	WG2261823
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 14:37	WG2261823
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 14:37	WG2261823
Chloroethane	U		0.000192	0.00500	1	04/06/2024 14:37	WG2261823
Chloroform	U		0.000111	0.00500	1	04/06/2024 14:37	WG2261823
Chloromethane	U	J3	0.000960	0.00250	1	04/06/2024 14:37	WG2261823
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 14:37	WG2261823
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 14:37	WG2261823
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 14:37	WG2261823
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 14:37	WG2261823
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 14:37	WG2261823
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 14:37	WG2261823
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 14:37	WG2261823
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 14:37	WG2261823
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 14:37	WG2261823
Ethylbenzene	U		0.000137	0.00100	1	04/06/2024 14:37	WG2261823
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2024 14:37	WG2261823
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 14:37	WG2261823
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 14:37	WG2261823
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 14:37	WG2261823
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 14:37	WG2261823
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 14:37	WG2261823
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/06/2024 14:37	WG2261823
Naphthalene	U		0.00100	0.00500	1	04/06/2024 14:37	WG2261823
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2024 14:37	WG2261823
Styrene	U		0.000118	0.00100	1	04/06/2024 14:37	WG2261823
tert-Butyl alcohol	U		0.00406	0.00500	1	04/06/2024 14:37	WG2261823
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 14:37	WG2261823
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 14:37	WG2261823
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 14:37	WG2261823
Toluene	U		0.000278	0.00100	1	04/06/2024 14:37	WG2261823
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 14:37	WG2261823
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 14:37	WG2261823
Trichloroethene	U		0.000190	0.00100	1	04/06/2024 14:37	WG2261823
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2024 14:37	WG2261823
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2024 14:37	WG2261823
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 14:37	WG2261823
o-Xylene	U		0.000174	0.00100	1	04/06/2024 14:37	WG2261823
m&p-Xylene	U		0.000430	0.00200	1	04/06/2024 14:37	WG2261823
Xylenes, Total	U		0.000174	0.00300	1	04/06/2024 14:37	WG2261823
(S) Toluene-d8	*109*			*80.0-120*		*04/06/2024 14:37*	WG2261823
(S) 4-Bromofluorobenzene	*91.5*			*77.0-126*		*04/06/2024 14:37*	WG2261823
(S) 1,2-Dichloroethane-d4	*87.4*			*70.0-130*		*04/06/2024 14:37*	WG2261823

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3040		50.0	1	04/05/2024 17:17	WG2260037

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	293		3.79	10.0	10	04/04/2024 04:15	WG2259760
Fluoride	1.99		0.640	1.50	10	04/04/2024 04:15	WG2259760
Nitrate	U		0.480	1.00	10	04/04/2024 04:15	WG2259760
Nitrite	U		0.420	1.00	10	04/04/2024 04:15	WG2259760
Sulfate	1510		5.94	50.0	10	04/04/2024 04:15	WG2259760

Sample Narrative:

L1721739-62 WG2259760: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00544		0.000180	0.00200	1	04/10/2024 16:53	WG2260470
Arsenic,Dissolved	0.00596		0.000180	0.00200	1	04/09/2024 03:32	WG2260459
Barium	0.0169		0.000381	0.00200	1	04/10/2024 16:53	WG2260470
Barium,Dissolved	0.0173		0.000381	0.00200	1	04/09/2024 03:32	WG2260459
Calcium	325		0.0936	1.00	1	04/10/2024 16:53	WG2260470
Chromium	U		0.00124	0.00200	1	04/10/2024 16:53	WG2260470
Chromium,Dissolved	U		0.00124	0.00200	1	04/09/2024 03:32	WG2260459
Iron	0.0336	J	0.0281	0.100	1	04/10/2024 16:53	WG2260470
Iron,Dissolved	U		0.0281	0.100	1	04/09/2024 03:32	WG2260459
Lead	U		0.000849	0.00200	1	04/10/2024 16:53	WG2260470
Lead,Dissolved	U		0.000849	0.00200	1	04/09/2024 03:32	WG2260459
Manganese	0.149		0.000704	0.00500	1	04/10/2024 16:53	WG2260470
Manganese,Dissolved	0.159		0.000704	0.00500	1	04/09/2024 03:32	WG2260459
Potassium	1.06	J	0.108	2.00	1	04/10/2024 16:53	WG2260470
Selenium	0.000513	J	0.000300	0.00200	1	04/10/2024 16:53	WG2260470
Selenium,Dissolved	0.000494	J	0.000300	0.00200	1	04/09/2024 03:32	WG2260459
Sodium	217		0.376	2.00	1	04/10/2024 16:53	WG2260470

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.545		0.0314	0.100	1	04/07/2024 15:39	WG2261994
(S) a,a,a-Trifluorotoluene(FID)	*88.9*			*78.0-120*		*04/07/2024 15:39*	WG2261994

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 17:42	WG2261823
Benzene	0.00154		0.0000941	0.00100	1	04/09/2024 01:49	WG2262572
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 17:42	WG2261823
Bromoform	U		0.000129	0.00100	1	04/06/2024 17:42	WG2261823
Bromomethane	U		0.000605	0.00500	1	04/06/2024 17:42	WG2261823
n-Butylbenzene	0.000715	J	0.000157	0.00100	1	04/06/2024 17:42	WG2261823
sec-Butylbenzene	0.0104		0.000125	0.00100	1	04/06/2024 17:42	WG2261823
Carbon disulfide	0.000607	B J	0.0000962	0.00100	1	04/06/2024 17:42	WG2261823
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 17:42	WG2261823

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 17:42	WG2261823
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 17:42	WG2261823
Chloroethane	U		0.000192	0.00500	1	04/06/2024 17:42	WG2261823
Chloroform	U		0.000111	0.00500	1	04/06/2024 17:42	WG2261823
Chloromethane	U	J3	0.000960	0.00250	1	04/06/2024 17:42	WG2261823
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 17:42	WG2261823
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 17:42	WG2261823
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 17:42	WG2261823
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 17:42	WG2261823
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 17:42	WG2261823
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 17:42	WG2261823
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 17:42	WG2261823
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 17:42	WG2261823
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 17:42	WG2261823
Ethylbenzene	0.000443	J	0.000137	0.00100	1	04/06/2024 17:42	WG2261823
Isopropylbenzene	0.0589		0.000105	0.00100	1	04/06/2024 17:42	WG2261823
p-Isopropyltoluene	0.000134	J	0.000120	0.00100	1	04/06/2024 17:42	WG2261823
2-Butanone (MEK)	0.00435	J	0.00119	0.0100	1	04/06/2024 17:42	WG2261823
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 17:42	WG2261823
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 17:42	WG2261823
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 17:42	WG2261823
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/06/2024 17:42	WG2261823
Naphthalene	0.00213	J	0.00100	0.00500	1	04/06/2024 17:42	WG2261823
n-Propylbenzene	0.00716		0.0000993	0.00100	1	04/09/2024 01:49	WG2262572
Styrene	U		0.000118	0.00100	1	04/06/2024 17:42	WG2261823
tert-Butyl alcohol	U		0.00406	0.00500	1	04/06/2024 17:42	WG2261823
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 17:42	WG2261823
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 17:42	WG2261823
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 17:42	WG2261823
Toluene	0.000393	J	0.000278	0.00100	1	04/06/2024 17:42	WG2261823
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 17:42	WG2261823
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 17:42	WG2261823
Trichloroethene	U		0.000190	0.00100	1	04/06/2024 17:42	WG2261823
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2024 17:42	WG2261823
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2024 17:42	WG2261823
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 17:42	WG2261823
o-Xylene	0.000432	J	0.000174	0.00100	1	04/06/2024 17:42	WG2261823
m&p-Xylene	U		0.000430	0.00200	1	04/06/2024 17:42	WG2261823
Xylenes, Total	0.000432	J	0.000174	0.00300	1	04/06/2024 17:42	WG2261823
(S) Toluene-d8	*107*			*80.0-120*		*04/06/2024 17:42*	WG2261823
(S) Toluene-d8	*97.3*			*80.0-120*		*04/09/2024 01:49*	WG2262572
(S) 4-Bromofluorobenzene	*97.2*			*77.0-126*		*04/06/2024 17:42*	WG2261823
(S) 4-Bromofluorobenzene	*97.0*			*77.0-126*		*04/09/2024 01:49*	WG2262572
(S) 1,2-Dichloroethane-d4	*84.9*			*70.0-130*		*04/06/2024 17:42*	WG2261823
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*		*04/09/2024 01:49*	WG2262572

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	3.61		0.0247	0.100	1	04/10/2024 10:16	WG2262630
(S) o-Terphenyl	*125*			*52.0-156*		*04/10/2024 10:16*	WG2262630

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1370		25.0	1	04/07/2024 09:55	WG2260053

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	183		0.379	1.00	1	04/04/2024 04:31	WG2259760
Fluoride	1.16		0.0640	0.150	1	04/04/2024 04:31	WG2259760
Nitrate	U		0.0480	0.100	1	04/04/2024 04:31	WG2259760
Nitrite	U		0.0420	0.100	1	04/04/2024 04:31	WG2259760
Sulfate	211		5.94	50.0	10	04/04/2024 07:26	WG2259760

Sample Narrative:

L1721739-63 WG2259760: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00159	J	0.000180	0.00200	1	04/10/2024 16:56	WG2260470
Arsenic,Dissolved	0.00152	J	0.000180	0.00200	1	04/09/2024 03:35	WG2260459
Barium	0.178		0.000381	0.00200	1	04/10/2024 16:56	WG2260470
Barium,Dissolved	0.180		0.000381	0.00200	1	04/09/2024 03:35	WG2260459
Calcium	164		0.0936	1.00	1	04/10/2024 16:56	WG2260470
Chromium	U		0.00124	0.00200	1	04/10/2024 16:56	WG2260470
Chromium,Dissolved	U		0.00124	0.00200	1	04/09/2024 03:35	WG2260459
Iron	0.104		0.0281	0.100	1	04/10/2024 16:56	WG2260470
Iron,Dissolved	U		0.0281	0.100	1	04/09/2024 03:35	WG2260459
Lead	U		0.000849	0.00200	1	04/10/2024 16:56	WG2260470
Lead,Dissolved	U		0.000849	0.00200	1	04/09/2024 03:35	WG2260459
Manganese	U		0.000704	0.00500	1	04/10/2024 16:56	WG2260470
Manganese,Dissolved	0.000724	J	0.000704	0.00500	1	04/09/2024 03:35	WG2260459
Potassium	1.01	J	0.108	2.00	1	04/10/2024 16:56	WG2260470
Selenium	0.000478	J	0.000300	0.00200	1	04/10/2024 16:56	WG2260470
Selenium,Dissolved	0.000371	J	0.000300	0.00200	1	04/09/2024 03:35	WG2260459
Sodium	205		0.376	2.00	1	04/10/2024 16:56	WG2260470

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	25.2		0.314	1.00	10	04/08/2024 15:41	WG2262538
(S) a,a,a-Trifluorotoluene(FID)	*88.7*			*78.0-120*		*04/08/2024 15:41*	WG2262538

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 18:03	WG2261823
Benzene	0.000831	J	0.0000941	0.00100	1	04/06/2024 18:03	WG2261823
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 18:03	WG2261823
Bromoform	U		0.000129	0.00100	1	04/06/2024 18:03	WG2261823
Bromomethane	U		0.000605	0.00500	1	04/06/2024 18:03	WG2261823
n-Butylbenzene	0.00389		0.000157	0.00100	1	04/06/2024 18:03	WG2261823
sec-Butylbenzene	0.00969		0.000125	0.00100	1	04/06/2024 18:03	WG2261823
Carbon disulfide	0.000507	B J	0.0000962	0.00100	1	04/06/2024 18:03	WG2261823
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 18:03	WG2261823

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 18:03	WG2261823
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 18:03	WG2261823
Chloroethane	U		0.000192	0.00500	1	04/06/2024 18:03	WG2261823
Chloroform	U		0.000111	0.00500	1	04/06/2024 18:03	WG2261823
Chloromethane	U	J3	0.000960	0.00250	1	04/06/2024 18:03	WG2261823
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 18:03	WG2261823
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 18:03	WG2261823
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 18:03	WG2261823
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 18:03	WG2261823
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 18:03	WG2261823
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 18:03	WG2261823
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 18:03	WG2261823
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 18:03	WG2261823
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 18:03	WG2261823
Ethylbenzene	0.000925	J	0.000137	0.00100	1	04/06/2024 18:03	WG2261823
Isopropylbenzene	0.0708		0.000105	0.00100	1	04/06/2024 18:03	WG2261823
p-Isopropyltoluene	0.000541	J	0.000120	0.00100	1	04/06/2024 18:03	WG2261823
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 18:03	WG2261823
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 18:03	WG2261823
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 18:03	WG2261823
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 18:03	WG2261823
Methyl tert-butyl ether	22.8		0.0253	0.250	250	04/09/2024 03:07	WG2262877
Naphthalene	U		0.00100	0.00500	1	04/06/2024 18:03	WG2261823
n-Propylbenzene	0.0569		0.0000993	0.00100	1	04/06/2024 18:03	WG2261823
Styrene	U		0.000118	0.00100	1	04/06/2024 18:03	WG2261823
tert-Butyl alcohol	U	J3	1.02	1.25	250	04/09/2024 03:07	WG2262877
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 18:03	WG2261823
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 18:03	WG2261823
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 18:03	WG2261823
Toluene	0.000829	J	0.000278	0.00100	1	04/06/2024 18:03	WG2261823
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 18:03	WG2261823
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 18:03	WG2261823
Trichloroethene	U		0.000190	0.00100	1	04/06/2024 18:03	WG2261823
1,2,4-Trimethylbenzene	0.000489	J	0.000322	0.00100	1	04/06/2024 18:03	WG2261823
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2024 18:03	WG2261823
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 18:03	WG2261823
o-Xylene	0.000638	J	0.000174	0.00100	1	04/06/2024 18:03	WG2261823
m&p-Xylene	0.000744	J	0.000430	0.00200	1	04/06/2024 18:03	WG2261823
Xylenes, Total	0.00138	J	0.000174	0.00300	1	04/06/2024 18:03	WG2261823
(S) Toluene-d8	*105*			*80.0-120*		*04/06/2024 18:03*	WG2261823
(S) Toluene-d8	*99.4*			*80.0-120*		*04/09/2024 03:07*	WG2262877
(S) 4-Bromofluorobenzene	*97.2*			*77.0-126*		*04/06/2024 18:03*	WG2261823
(S) 4-Bromofluorobenzene	*95.3*			*77.0-126*		*04/09/2024 03:07*	WG2262877
(S) 1,2-Dichloroethane-d4	*88.4*			*70.0-130*		*04/06/2024 18:03*	WG2261823
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*04/09/2024 03:07*	WG2262877

Sample Narrative:

L1721739-63 WG2261823: Benzene result biased high due to carryover from -62.

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	7.18		0.0247	0.100	1	04/10/2024 02:48	WG2262630
(S) o-Terphenyl	*83.2*			*52.0-156*		*04/10/2024 02:48*	WG2262630

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3530		50.0	1	04/06/2024 17:22	WG2260199

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	605		3.79	10.0	10	04/04/2024 07:01	WG2259796
Fluoride	2.94		0.640	1.50	10	04/13/2024 18:27	WG2266511
Nitrate	U		0.480	1.00	10	04/04/2024 07:01	WG2259796
Nitrite	0.874	J	0.420	1.00	10	04/04/2024 07:01	WG2259796
Sulfate	1280		5.94	50.0	10	04/04/2024 07:01	WG2259796

Sample Narrative:

L1721739-64 WG2259796: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00918		0.000180	0.00200	1	04/10/2024 17:00	WG2260470
Arsenic,Dissolved	0.00666		0.000180	0.00200	1	04/09/2024 03:38	WG2260459
Barium	0.0179		0.000381	0.00200	1	04/10/2024 17:00	WG2260470
Barium,Dissolved	0.0185		0.000381	0.00200	1	04/09/2024 03:38	WG2260459
Calcium	520		0.0936	1.00	1	04/10/2024 17:00	WG2260470
Chromium	U		0.00124	0.00200	1	04/10/2024 17:00	WG2260470
Chromium,Dissolved	U		0.00124	0.00200	1	04/09/2024 03:38	WG2260459
Iron	4.83		0.0281	0.100	1	04/10/2024 17:00	WG2260470
Iron,Dissolved	3.47		0.0281	0.100	1	04/09/2024 03:38	WG2260459
Lead	U		0.000849	0.00200	1	04/10/2024 17:00	WG2260470
Lead,Dissolved	U		0.000849	0.00200	1	04/09/2024 03:38	WG2260459
Manganese	0.139		0.000704	0.00500	1	04/10/2024 17:00	WG2260470
Manganese,Dissolved	0.130		0.000704	0.00500	1	04/09/2024 03:38	WG2260459
Potassium	5.47		0.108	2.00	1	04/10/2024 17:00	WG2260470
Selenium	0.00121	J	0.000300	0.00200	1	04/10/2024 17:00	WG2260470
Selenium,Dissolved	0.00122	J	0.000300	0.00200	1	04/09/2024 03:38	WG2260459
Sodium	344		0.376	2.00	1	04/10/2024 17:00	WG2260470

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 18:23	WG2261823
Benzene	U		0.0000941	0.00100	1	04/09/2024 01:38	WG2262877
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 18:23	WG2261823
Bromoform	U		0.000129	0.00100	1	04/06/2024 18:23	WG2261823
Bromomethane	U		0.000605	0.00500	1	04/06/2024 18:23	WG2261823
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 18:23	WG2261823
sec-Butylbenzene	U		0.000125	0.00100	1	04/09/2024 01:38	WG2262877
Carbon disulfide	0.000397	B J	0.0000962	0.00100	1	04/06/2024 18:23	WG2261823
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 18:23	WG2261823
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 18:23	WG2261823
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 18:23	WG2261823
Chloroethane	U		0.000192	0.00500	1	04/06/2024 18:23	WG2261823
Chloroform	U		0.000111	0.00500	1	04/06/2024 18:23	WG2261823
Chloromethane	U	J3	0.000960	0.00250	1	04/06/2024 18:23	WG2261823
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 18:23	WG2261823
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 18:23	WG2261823

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Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 18:23	WG2261823
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 18:23	WG2261823
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 18:23	WG2261823
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 18:23	WG2261823
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 18:23	WG2261823
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 18:23	WG2261823
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 18:23	WG2261823
Ethylbenzene	U		0.000137	0.00100	1	04/06/2024 18:23	WG2261823
Isopropylbenzene	U		0.000105	0.00100	1	04/09/2024 01:38	WG2262877
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 18:23	WG2261823
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 18:23	WG2261823
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 18:23	WG2261823
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 18:23	WG2261823
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 18:23	WG2261823
Methyl tert-butyl ether	0.000422	J	0.000101	0.00100	1	04/09/2024 01:38	WG2262877
Naphthalene	U		0.00100	0.00500	1	04/06/2024 18:23	WG2261823
n-Propylbenzene	U		0.0000993	0.00100	1	04/09/2024 01:38	WG2262877
Styrene	U		0.000118	0.00100	1	04/06/2024 18:23	WG2261823
tert-Butyl alcohol	U	J3	0.00406	0.00500	1	04/09/2024 01:38	WG2262877
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 18:23	WG2261823
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 18:23	WG2261823
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 18:23	WG2261823
Toluene	U		0.000278	0.00100	1	04/06/2024 18:23	WG2261823
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 18:23	WG2261823
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 18:23	WG2261823
Trichloroethene	U		0.000190	0.00100	1	04/06/2024 18:23	WG2261823
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2024 18:23	WG2261823
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2024 18:23	WG2261823
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 18:23	WG2261823
o-Xylene	U		0.000174	0.00100	1	04/06/2024 18:23	WG2261823
m&p-Xylene	U		0.000430	0.00200	1	04/06/2024 18:23	WG2261823
Xylenes, Total	U		0.000174	0.00300	1	04/06/2024 18:23	WG2261823
(S) Toluene-d8	*107*			*80.0-120*		*04/06/2024 18:23*	WG2261823
(S) Toluene-d8	*99.9*			*80.0-120*		*04/09/2024 01:38*	WG2262877
(S) 4-Bromofluorobenzene	*95.8*			*77.0-126*		*04/06/2024 18:23*	WG2261823
(S) 4-Bromofluorobenzene	*96.1*			*77.0-126*		*04/09/2024 01:38*	WG2262877
(S) 1,2-Dichloroethane-d4	*87.5*			*70.0-130*		*04/06/2024 18:23*	WG2261823
(S) 1,2-Dichloroethane-d4	*128*			*70.0-130*		*04/09/2024 01:38*	WG2262877

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	7.86		0.123	0.500	5	04/10/2024 05:52	WG2262630
(S) o-Terphenyl	*61.1*			*52.0-156*		*04/10/2024 05:52*	WG2262630

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2600		50.0	1	04/06/2024 17:22	WG2260199

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	63.0		3.79	10.0	10	04/04/2024 04:47	WG2259760
Fluoride	2.17		0.640	1.50	10	04/04/2024 04:47	WG2259760
Nitrate	U		0.480	1.00	10	04/04/2024 04:47	WG2259760
Nitrite	U		0.420	1.00	10	04/04/2024 04:47	WG2259760
Sulfate	1350		5.94	50.0	10	04/04/2024 04:47	WG2259760

Sample Narrative:

L1721739-65 WG2259760: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00983		0.000180	0.00200	1	04/10/2024 17:03	WG2260470
Arsenic,Dissolved	0.00754		0.000180	0.00200	1	04/09/2024 03:42	WG2260459
Barium	0.0159		0.000381	0.00200	1	04/10/2024 17:03	WG2260470
Barium,Dissolved	0.0165		0.000381	0.00200	1	04/09/2024 03:42	WG2260459
Calcium	347		0.0936	1.00	1	04/10/2024 17:03	WG2260470
Chromium	U		0.00124	0.00200	1	04/10/2024 17:03	WG2260470
Chromium,Dissolved	U		0.00124	0.00200	1	04/09/2024 03:42	WG2260459
Iron	0.530		0.0281	0.100	1	04/10/2024 17:03	WG2260470
Iron,Dissolved	0.408		0.0281	0.100	1	04/09/2024 03:42	WG2260459
Lead	U		0.000849	0.00200	1	04/10/2024 17:03	WG2260470
Lead,Dissolved	U		0.000849	0.00200	1	04/09/2024 03:42	WG2260459
Manganese	0.744		0.000704	0.00500	1	04/10/2024 17:03	WG2260470
Manganese,Dissolved	0.714		0.000704	0.00500	1	04/09/2024 03:42	WG2260459
Potassium	2.03		0.108	2.00	1	04/10/2024 17:03	WG2260470
Selenium	U		0.000300	0.00200	1	04/10/2024 17:03	WG2260470
Selenium,Dissolved	U		0.000300	0.00200	1	04/09/2024 03:42	WG2260459
Sodium	168		0.376	2.00	1	04/10/2024 17:03	WG2260470

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 18:44	WG2261823
Benzene	U		0.0000941	0.00100	1	04/09/2024 02:10	WG2262572
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 18:44	WG2261823
Bromoform	U		0.000129	0.00100	1	04/06/2024 18:44	WG2261823
Bromomethane	U		0.000605	0.00500	1	04/06/2024 18:44	WG2261823
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 18:44	WG2261823
sec-Butylbenzene	0.000252	J	0.000125	0.00100	1	04/09/2024 02:10	WG2262572
Carbon disulfide	0.000430	B J	0.0000962	0.00100	1	04/06/2024 18:44	WG2261823
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 18:44	WG2261823
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 18:44	WG2261823
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 18:44	WG2261823
Chloroethane	U		0.000192	0.00500	1	04/06/2024 18:44	WG2261823
Chloroform	U		0.000111	0.00500	1	04/06/2024 18:44	WG2261823
Chloromethane	U	J3	0.000960	0.00250	1	04/06/2024 18:44	WG2261823
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 18:44	WG2261823
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 18:44	WG2261823

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 18:44	WG2261823
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 18:44	WG2261823
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 18:44	WG2261823
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 18:44	WG2261823
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 18:44	WG2261823
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 18:44	WG2261823
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 18:44	WG2261823
Ethylbenzene	U		0.000137	0.00100	1	04/06/2024 18:44	WG2261823
Isopropylbenzene	0.000872	J	0.000105	0.00100	1	04/09/2024 02:10	WG2262572
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 18:44	WG2261823
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 18:44	WG2261823
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 18:44	WG2261823
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 18:44	WG2261823
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 18:44	WG2261823
Methyl tert-butyl ether	0.000101	J	0.000101	0.00100	1	04/09/2024 02:10	WG2262572
Naphthalene	U		0.00100	0.00500	1	04/06/2024 18:44	WG2261823
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2024 18:44	WG2261823
Styrene	U		0.000118	0.00100	1	04/06/2024 18:44	WG2261823
tert-Butyl alcohol	U		0.00406	0.00500	1	04/06/2024 18:44	WG2261823
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 18:44	WG2261823
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 18:44	WG2261823
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 18:44	WG2261823
Toluene	U		0.000278	0.00100	1	04/06/2024 18:44	WG2261823
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 18:44	WG2261823
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 18:44	WG2261823
Trichloroethene	U		0.000190	0.00100	1	04/06/2024 18:44	WG2261823
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2024 18:44	WG2261823
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2024 18:44	WG2261823
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 18:44	WG2261823
o-Xylene	U		0.000174	0.00100	1	04/06/2024 18:44	WG2261823
m&p-Xylene	U		0.000430	0.00200	1	04/06/2024 18:44	WG2261823
Xylenes, Total	U		0.000174	0.00300	1	04/06/2024 18:44	WG2261823
(S) Toluene-d8	*104*			*80.0-120*		*04/06/2024 18:44*	WG2261823
(S) Toluene-d8	*96.1*			*80.0-120*		*04/09/2024 02:10*	WG2262572
(S) 4-Bromofluorobenzene	*93.0*			*77.0-126*		*04/06/2024 18:44*	WG2261823
(S) 4-Bromofluorobenzene	*96.0*			*77.0-126*		*04/09/2024 02:10*	WG2262572
(S) 1,2-Dichloroethane-d4	*86.9*			*70.0-130*		*04/06/2024 18:44*	WG2261823
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*04/09/2024 02:10*	WG2262572

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	4.70		0.0247	0.100	1	04/10/2024 03:09	WG2262630
(S) o-Terphenyl	*102*			*52.0-156*		*04/10/2024 03:09*	WG2262630

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3010		50.0	1	04/06/2024 17:22	WG2260199

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	101		3.79	10.0	10	04/04/2024 05:03	WG2259760
Fluoride	1.84		0.640	1.50	10	04/04/2024 05:03	WG2259760
Nitrate	16.2		0.480	1.00	10	04/04/2024 05:03	WG2259760
Nitrite	U		0.420	1.00	10	04/04/2024 05:03	WG2259760
Sulfate	1880		5.94	50.0	10	04/04/2024 05:03	WG2259760

Sample Narrative:

L1721739-66 WG2259760: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00269		0.000180	0.00200	1	04/07/2024 20:26	WG2260971
Arsenic,Dissolved	0.00242		0.000180	0.00200	1	04/10/2024 01:32	WG2261157
Barium	0.0177		0.000381	0.00200	1	04/07/2024 20:26	WG2260971
Barium,Dissolved	0.0156		0.000381	0.00200	1	04/10/2024 01:32	WG2261157
Calcium	560		0.0936	1.00	1	04/07/2024 20:26	WG2260971
Chromium	U		0.00124	0.00200	1	04/07/2024 20:26	WG2260971
Chromium,Dissolved	U		0.00124	0.00200	1	04/10/2024 01:32	WG2261157
Iron	U		0.0281	0.100	1	04/07/2024 20:26	WG2260971
Iron,Dissolved	U		0.0281	0.100	1	04/10/2024 01:32	WG2261157
Lead	U		0.000849	0.00200	1	04/07/2024 20:26	WG2260971
Lead,Dissolved	U		0.000849	0.00200	1	04/10/2024 01:32	WG2261157
Manganese	2.12		0.000704	0.00500	1	04/07/2024 20:26	WG2260971
Manganese,Dissolved	2.05		0.000704	0.00500	1	04/10/2024 01:32	WG2261157
Potassium	3.63		0.108	2.00	1	04/07/2024 20:26	WG2260971
Selenium	0.00250		0.000300	0.00200	1	04/07/2024 20:26	WG2260971
Selenium,Dissolved	0.00234		0.000300	0.00200	1	04/10/2024 01:32	WG2261157
Sodium	115		0.376	2.00	1	04/08/2024 17:31	WG2260971

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 19:04	WG2261823
Benzene	U		0.0000941	0.00100	1	04/06/2024 19:04	WG2261823
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 19:04	WG2261823
Bromoform	U		0.000129	0.00100	1	04/06/2024 19:04	WG2261823
Bromomethane	U		0.000605	0.00500	1	04/06/2024 19:04	WG2261823
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 19:04	WG2261823
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2024 19:04	WG2261823
Carbon disulfide	0.000397	B J	0.0000962	0.00100	1	04/06/2024 19:04	WG2261823
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 19:04	WG2261823
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 19:04	WG2261823
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 19:04	WG2261823
Chloroethane	U		0.000192	0.00500	1	04/06/2024 19:04	WG2261823
Chloroform	U		0.000111	0.00500	1	04/06/2024 19:04	WG2261823
Chloromethane	U	J3	0.000960	0.00250	1	04/06/2024 19:04	WG2261823
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 19:04	WG2261823
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 19:04	WG2261823

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 19:04	WG2261823
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 19:04	WG2261823
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 19:04	WG2261823
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 19:04	WG2261823
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 19:04	WG2261823
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 19:04	WG2261823
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 19:04	WG2261823
Ethylbenzene	0.000278	J	0.000137	0.00100	1	04/06/2024 19:04	WG2261823
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2024 19:04	WG2261823
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 19:04	WG2261823
2-Butanone (MEK)	0.00123	J	0.00119	0.0100	1	04/06/2024 19:04	WG2261823
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 19:04	WG2261823
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 19:04	WG2261823
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 19:04	WG2261823
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/09/2024 02:31	WG2262572
Naphthalene	0.00143	J	0.00100	0.00500	1	04/06/2024 19:04	WG2261823
n-Propylbenzene	0.000108	J	0.0000993	0.00100	1	04/06/2024 19:04	WG2261823
Styrene	U		0.000118	0.00100	1	04/06/2024 19:04	WG2261823
tert-Butyl alcohol	U		0.00406	0.00500	1	04/06/2024 19:04	WG2261823
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 19:04	WG2261823
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 19:04	WG2261823
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 19:04	WG2261823
Toluene	U		0.000278	0.00100	1	04/06/2024 19:04	WG2261823
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 19:04	WG2261823
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 19:04	WG2261823
Trichloroethene	U		0.000190	0.00100	1	04/06/2024 19:04	WG2261823
1,2,4-Trimethylbenzene	0.000711	J	0.000322	0.00100	1	04/06/2024 19:04	WG2261823
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2024 19:04	WG2261823
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 19:04	WG2261823
o-Xylene	0.000268	J	0.000174	0.00100	1	04/06/2024 19:04	WG2261823
m&p-Xylene	0.000691	J	0.000430	0.00200	1	04/06/2024 19:04	WG2261823
Xylenes, Total	0.000959	J	0.000174	0.00300	1	04/06/2024 19:04	WG2261823
(S) Toluene-d8	*107*			*80.0-120*		*04/06/2024 19:04*	WG2261823
(S) Toluene-d8	*98.4*			*80.0-120*		*04/09/2024 02:31*	WG2262572
(S) 4-Bromofluorobenzene	*95.4*			*77.0-126*		*04/06/2024 19:04*	WG2261823
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*04/09/2024 02:31*	WG2262572
(S) 1,2-Dichloroethane-d4	*85.5*			*70.0-130*		*04/06/2024 19:04*	WG2261823
(S) 1,2-Dichloroethane-d4	*114*			*70.0-130*		*04/09/2024 02:31*	WG2262572

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	3.64		0.0247	0.100	1	04/10/2024 03:29	WG2262630
(S) o-Terphenyl	*56.8*			*52.0-156*		*04/10/2024 03:29*	WG2262630

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1360		20.0	1	04/06/2024 17:22	WG2260199

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	59.9		0.379	1.00	1	04/04/2024 07:15	WG2259796
Fluoride	1.67		0.0640	0.150	1	04/13/2024 18:43	WG2266511
Nitrate	U		0.0480	0.100	1	04/04/2024 07:15	WG2259796
Nitrite	U		0.0420	0.100	1	04/04/2024 07:15	WG2259796
Sulfate	638		5.94	50.0	10	04/04/2024 11:15	WG2259796

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0313		0.000180	0.00200	1	04/07/2024 20:30	WG2260971
Arsenic,Dissolved	0.0128		0.000180	0.00200	1	04/10/2024 01:42	WG2261157
Barium	0.240		0.000381	0.00200	1	04/07/2024 20:30	WG2260971
Barium,Dissolved	0.0176		0.000381	0.00200	1	04/10/2024 01:42	WG2261157
Calcium	689		0.0936	1.00	1	04/07/2024 20:30	WG2260971
Chromium	0.0165		0.00124	0.00200	1	04/07/2024 20:30	WG2260971
Chromium,Dissolved	U		0.00124	0.00200	1	04/10/2024 01:42	WG2261157
Iron	1.46		0.0281	0.100	1	04/07/2024 20:30	WG2260971
Iron,Dissolved	0.369		0.0281	0.100	1	04/10/2024 01:42	WG2261157
Lead	0.0534		0.000849	0.00200	1	04/07/2024 20:30	WG2260971
Lead,Dissolved	U		0.000849	0.00200	1	04/10/2024 01:42	WG2261157
Manganese	2.59		0.000704	0.00500	1	04/07/2024 20:30	WG2260971
Manganese,Dissolved	1.37		0.000704	0.00500	1	04/10/2024 01:42	WG2261157
Potassium	0.651	J	0.108	2.00	1	04/07/2024 20:30	WG2260971
Selenium	0.000465	J	0.000300	0.00200	1	04/07/2024 20:30	WG2260971
Selenium,Dissolved	U		0.000300	0.00200	1	04/10/2024 01:42	WG2261157
Sodium	32.7		0.376	2.00	1	04/08/2024 17:34	WG2260971

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 19:25	WG2261823
Benzene	0.000100	J	0.0000941	0.00100	1	04/06/2024 19:25	WG2261823
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 19:25	WG2261823
Bromoform	U		0.000129	0.00100	1	04/06/2024 19:25	WG2261823
Bromomethane	U		0.000605	0.00500	1	04/06/2024 19:25	WG2261823
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 19:25	WG2261823
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2024 19:25	WG2261823
Carbon disulfide	0.000383	B J	0.0000962	0.00100	1	04/06/2024 19:25	WG2261823
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 19:25	WG2261823
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 19:25	WG2261823
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 19:25	WG2261823
Chloroethane	U		0.000192	0.00500	1	04/06/2024 19:25	WG2261823
Chloroform	U		0.000111	0.00500	1	04/06/2024 19:25	WG2261823
Chloromethane	U	J3	0.000960	0.00250	1	04/06/2024 19:25	WG2261823
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 19:25	WG2261823
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 19:25	WG2261823
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 19:25	WG2261823
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 19:25	WG2261823
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 19:25	WG2261823

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 19:25	WG2261823
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 19:25	WG2261823
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 19:25	WG2261823
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 19:25	WG2261823
Ethylbenzene	U		0.000137	0.00100	1	04/06/2024 19:25	WG2261823
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2024 19:25	WG2261823
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 19:25	WG2261823
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 19:25	WG2261823
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 19:25	WG2261823
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 19:25	WG2261823
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 19:25	WG2261823
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/09/2024 02:52	WG2262572
Naphthalene	U		0.00100	0.00500	1	04/06/2024 19:25	WG2261823
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2024 19:25	WG2261823
Styrene	U		0.000118	0.00100	1	04/06/2024 19:25	WG2261823
tert-Butyl alcohol	U		0.00406	0.00500	1	04/06/2024 19:25	WG2261823
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 19:25	WG2261823
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 19:25	WG2261823
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 19:25	WG2261823
Toluene	U		0.000278	0.00100	1	04/06/2024 19:25	WG2261823
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 19:25	WG2261823
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 19:25	WG2261823
Trichloroethene	U		0.000190	0.00100	1	04/06/2024 19:25	WG2261823
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2024 19:25	WG2261823
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2024 19:25	WG2261823
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 19:25	WG2261823
o-Xylene	U		0.000174	0.00100	1	04/06/2024 19:25	WG2261823
m&p-Xylene	U		0.000430	0.00200	1	04/06/2024 19:25	WG2261823
Xylenes, Total	U		0.000174	0.00300	1	04/06/2024 19:25	WG2261823
(S) Toluene-d8	*105*			*80.0-120*		*04/06/2024 19:25*	WG2261823
(S) Toluene-d8	*99.6*			*80.0-120*		*04/09/2024 02:52*	WG2262572
(S) 4-Bromofluorobenzene	*90.3*			*77.0-126*		*04/06/2024 19:25*	WG2261823
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*04/09/2024 02:52*	WG2262572
(S) 1,2-Dichloroethane-d4	*86.8*			*70.0-130*		*04/06/2024 19:25*	WG2261823
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*		*04/09/2024 02:52*	WG2262572

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.549		0.0247	0.100	1	04/10/2024 03:50	WG2262630
(S) o-Terphenyl	*72.6*			*52.0-156*		*04/10/2024 03:50*	WG2262630

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	2310		50.0	1	04/06/2024 17:22	WG2260199

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Cyanide	U		0.0180	0.0500	10	04/09/2024 08:50	WG2262748

Sample Narrative:

L1721739-68 WG2262748: Dilution due to NO2NO3 interference.

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	190		0.379	1.00	1	04/04/2024 07:28	WG2259796
Fluoride	1.48		0.0640	0.150	1	04/13/2024 18:59	WG2266511
Nitrate	16.9		0.0480	0.100	1	04/04/2024 07:28	WG2259796
Nitrite	0.303		0.0420	0.100	1	04/04/2024 07:28	WG2259796
Sulfate	989		5.94	50.0	10	04/04/2024 11:28	WG2259796

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.000100	0.000200	1	04/06/2024 20:53	WG2260517
Mercury,Dissolved	U	J6 O1	0.000100	0.000200	1	04/05/2024 12:50	WG2260519

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron	1.48		0.0200	0.200	1	04/08/2024 23:27	WG2260462
Boron,Dissolved	1.50		0.0200	0.200	1	04/08/2024 09:52	WG2261152

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.00288		0.000180	0.00200	1	04/07/2024 20:33	WG2260971
Arsenic,Dissolved	0.00270		0.000180	0.00200	1	04/10/2024 01:46	WG2261157
Barium	0.0142		0.000381	0.00200	1	04/07/2024 20:33	WG2260971
Barium,Dissolved	0.0133		0.000381	0.00200	1	04/10/2024 01:46	WG2261157
Cadmium	U		0.000150	0.00100	1	04/07/2024 20:33	WG2260971
Cadmium,Dissolved	U		0.000150	0.00100	1	04/10/2024 01:46	WG2261157
Calcium	361		0.0936	1.00	1	04/07/2024 20:33	WG2260971
Chromium	U		0.00124	0.00200	1	04/07/2024 20:33	WG2260971
Chromium,Dissolved	U		0.00124	0.00200	1	04/10/2024 01:46	WG2261157
Cobalt	0.0000912	J	0.0000596	0.00200	1	04/07/2024 20:33	WG2260971
Cobalt,Dissolved	0.000125	J	0.0000596	0.00200	1	04/10/2024 01:46	WG2261157
Iron	U		0.0281	0.100	1	04/07/2024 20:33	WG2260971
Iron,Dissolved	U		0.0281	0.100	1	04/10/2024 01:46	WG2261157
Lead	U		0.000849	0.00200	1	04/07/2024 20:33	WG2260971
Lead,Dissolved	U		0.000849	0.00200	1	04/10/2024 01:46	WG2261157
Manganese	0.0232		0.000704	0.00500	1	04/07/2024 20:33	WG2260971
Manganese,Dissolved	0.0228		0.000704	0.00500	1	04/10/2024 01:46	WG2261157
Nickel	0.00208		0.000816	0.00200	1	04/08/2024 01:52	WG2260971
Nickel,Dissolved	0.00195	J	0.000816	0.00200	1	04/10/2024 01:46	WG2261157

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Potassium	1.55	J	0.108	2.00	1	04/07/2024 20:33	WG2260971
Selenium	0.00521		0.000300	0.00200	1	04/07/2024 20:33	WG2260971
Selenium,Dissolved	0.00497		0.000300	0.00200	1	04/10/2024 01:46	WG2261157
Sodium	78.4		0.376	2.00	1	04/08/2024 17:37	WG2260971
Uranium	0.0434		0.0000789	0.00100	1	04/07/2024 20:33	WG2260971
Uranium,Dissolved	0.0399		0.0000789	0.00100	1	04/10/2024 01:46	WG2261157
Vanadium	0.0185		0.000664	0.00500	1	04/07/2024 20:33	WG2260971
Vanadium,Dissolved	0.0178		0.000664	0.00500	1	04/10/2024 01:46	WG2261157

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 19:46	WG2261823
Benzene	U		0.0000941	0.00100	1	04/06/2024 19:46	WG2261823
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 19:46	WG2261823
Bromoform	U		0.000129	0.00100	1	04/06/2024 19:46	WG2261823
Bromomethane	U		0.000605	0.00500	1	04/06/2024 19:46	WG2261823
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 19:46	WG2261823
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2024 19:46	WG2261823
Carbon disulfide	0.000374	B J	0.0000962	0.00100	1	04/06/2024 19:46	WG2261823
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 19:46	WG2261823
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 19:46	WG2261823
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 19:46	WG2261823
Chloroethane	U		0.000192	0.00500	1	04/06/2024 19:46	WG2261823
Chloroform	U		0.000111	0.00500	1	04/06/2024 19:46	WG2261823
Chloromethane	U	J3	0.000960	0.00250	1	04/06/2024 19:46	WG2261823
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 19:46	WG2261823
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 19:46	WG2261823
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 19:46	WG2261823
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 19:46	WG2261823
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 19:46	WG2261823
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 19:46	WG2261823
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 19:46	WG2261823
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 19:46	WG2261823
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 19:46	WG2261823
Ethylbenzene	U		0.000137	0.00100	1	04/06/2024 19:46	WG2261823
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2024 19:46	WG2261823
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 19:46	WG2261823
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 19:46	WG2261823
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 19:46	WG2261823
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 19:46	WG2261823
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 19:46	WG2261823
Methyl tert-butyl ether	0.000214	J	0.000101	0.00100	1	04/06/2024 19:46	WG2261823
Naphthalene	U		0.00100	0.00500	1	04/06/2024 19:46	WG2261823
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2024 19:46	WG2261823
Styrene	U		0.000118	0.00100	1	04/06/2024 19:46	WG2261823
tert-Butyl alcohol	U		0.00406	0.00500	1	04/06/2024 19:46	WG2261823
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 19:46	WG2261823
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 19:46	WG2261823
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 19:46	WG2261823
Toluene	U		0.000278	0.00100	1	04/06/2024 19:46	WG2261823
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 19:46	WG2261823
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 19:46	WG2261823
Trichloroethene	U		0.000190	0.00100	1	04/06/2024 19:46	WG2261823
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2024 19:46	WG2261823
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2024 19:46	WG2261823

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 19:46	WG2261823
o-Xylene	U		0.000174	0.00100	1	04/06/2024 19:46	WG2261823
m&p-Xylene	U		0.000430	0.00200	1	04/06/2024 19:46	WG2261823
Xylenes, Total	U		0.000174	0.00300	1	04/06/2024 19:46	WG2261823
(S) Toluene-d8	*108*			*80.0-120*		*04/06/2024 19:46*	WG2261823
(S) 4-Bromofluorobenzene	*93.0*			*77.0-126*		*04/06/2024 19:46*	WG2261823
(S) 1,2-Dichloroethane-d4	*85.1*			*70.0-130*		*04/06/2024 19:46*	WG2261823

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1.41		0.0247	0.100	1	04/10/2024 04:10	WG2262630
(S) o-Terphenyl	*60.0*			*52.0-156*		*04/10/2024 04:10*	WG2262630

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Method Blank (MB)

(MB) R4055202-1 04/04/24 14:00

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		10.0	10.0

L1721739-28 Original Sample (OS) • Duplicate (DUP)

(OS) L1721739-28 04/04/24 14:00 • (DUP) R4055202-3 04/04/24 14:00

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	1790	1920	1	6.75		10

L1721739-29 Original Sample (OS) • Duplicate (DUP)

(OS) L1721739-29 04/04/24 14:00 • (DUP) R4055202-4 04/04/24 14:00

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	1690	1800	1	6.30		10

Laboratory Control Sample (LCS)

(LCS) R4055202-2 04/04/24 14:00

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8460	96.1	85.0-115	

Method Blank (MB)

(MB) R4055610-1 04/05/24 17:17

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		10.0	10.0

L1721739-34 Original Sample (OS) • Duplicate (DUP)

(OS) L1721739-34 04/05/24 17:17 • (DUP) R4055610-3 04/05/24 17:17

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	3090	3110	1	0.807		10

L1721739-59 Original Sample (OS) • Duplicate (DUP)

(OS) L1721739-59 04/05/24 17:17 • (DUP) R4055610-4 04/05/24 17:17

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	1440	1440	1	0.348		10

Laboratory Control Sample (LCS)

(LCS) R4055610-2 04/05/24 17:17

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8660	98.4	85.0-115	

Method Blank (MB)

(MB) R4054661-1 04/04/24 17:12

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		10.0	10.0

L1721255-31 Original Sample (OS) • Duplicate (DUP)

(OS) L1721255-31 04/04/24 17:12 • (DUP) R4054661-3 04/04/24 17:12

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	168	174	1	3.51		10

L1721499-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1721499-02 04/04/24 17:12 • (DUP) R4054661-4 04/04/24 17:12

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	375	376	1	0.266		10

Laboratory Control Sample (LCS)

(LCS) R4054661-2 04/04/24 17:12

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8600	97.7	85.0-115	

Method Blank (MB)

(MB) R4055939-1 04/07/24 09:55

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		10.0	10.0

L1721255-25 Original Sample (OS) • Duplicate (DUP)

(OS) L1721255-25 04/07/24 09:55 • (DUP) R4055939-3 04/07/24 09:55

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	416	434	1	4.24		10

L1721255-32 Original Sample (OS) • Duplicate (DUP)

(OS) L1721255-32 04/07/24 09:55 • (DUP) R4055939-4 04/07/24 09:55

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	448	467	1	4.15		10

Laboratory Control Sample (LCS)

(LCS) R4055939-2 04/07/24 09:55

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8460	96.1	85.0-115	

Received by OCD: 6/12/2025 1:19:15 PM

Method Blank (MB)

(MB) R4056259-1 04/06/24 17:22

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		10.0	10.0

L1721739-49 Original Sample (OS) • Duplicate (DUP)

(OS) L1721739-49 04/06/24 17:22 • (DUP) R4056259-3 04/06/24 17:22

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	1550	1730	1	11.0	J3	10

L1721739-53 Original Sample (OS) • Duplicate (DUP)

(OS) L1721739-53 04/06/24 17:22 • (DUP) R4056259-4 04/06/24 17:22

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	3450	3620	1	4.81		10

Laboratory Control Sample (LCS)

(LCS) R4056259-2 04/06/24 17:22

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8760	99.5	85.0-115	

Released to Imaging: 6/17/2025 4:41:11 PM

Method Blank (MB)

(MB) R4056260-1 04/09/24 16:58

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		10.0	10.0

L1721641-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1721641-01 04/09/24 16:58 • (DUP) R4056260-3 04/09/24 16:58

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	601	632	1	5.03		10

L1722286-57 Original Sample (OS) • Duplicate (DUP)

(OS) L1722286-57 04/09/24 16:58 • (DUP) R4056260-4 04/09/24 16:58

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	1300	1420	1	8.82		10

Laboratory Control Sample (LCS)

(LCS) R4056260-2 04/09/24 16:58

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	9060	103	85.0-115	

Method Blank (MB)

(MB) R4055377-1 04/09/24 08:24

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Cyanide	U		0.00180	0.00500

L1721093-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1721093-02 04/09/24 08:30 • (DUP) R4055377-3 04/09/24 08:31

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	U	U	1	0.000		20

L1721936-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1721936-03 04/09/24 09:00 • (DUP) R4055377-6 04/09/24 09:01

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	0.00334	0.00305	1	9.08	J	20

Laboratory Control Sample (LCS)

(LCS) R4055377-2 04/09/24 08:25

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Cyanide	0.100	0.0923	92.3	87.1-120	

L1721739-33 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1721739-33 04/09/24 08:34 • (MS) R4055377-4 04/09/24 08:35 • (MSD) R4055377-5 04/09/24 08:37

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cyanide	0.100	U	0.0878	0.0833	87.8	83.3	1	90.0-110	J6	J6	5.26	20

Sample Narrative:

MS: spike failed due to sample matrix

MSD: spike failed due to sample matrix

Method Blank (MB)

(MB) R4056788-1 04/11/24 22:26

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Cyanide	U		0.00180	0.00500

L1721773-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1721773-02 04/11/24 22:33 • (DUP) R4056788-3 04/11/24 22:35

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	U	U	1	0.000		20

L1722286-68 Original Sample (OS) • Duplicate (DUP)

(OS) L1722286-68 04/11/24 23:06 • (DUP) R4056788-6 04/11/24 23:08

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	0.0394	0.0209	1	61.4	P1	20

Laboratory Control Sample (LCS)

(LCS) R4056788-2 04/11/24 22:27

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Cyanide	0.100	0.0959	95.9	87.1-120	

L1722286-18 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1722286-18 04/11/24 22:56 • (MS) R4056788-4 04/11/24 23:01 • (MSD) R4056788-5 04/11/24 23:02

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cyanide	0.100	U	0.0836	0.0897	83.6	89.7	1	90.0-110	J6	J6	7.04	20

Sample Narrative:

MS: spike failed due to sample matrix

MSD: spike failed due to sample matrix

Method Blank (MB)

(MB) R4057197-1 04/03/24 21:05

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.379	1.00
Fluoride	U		0.0640	0.150
Nitrate	U		0.0480	0.100
Nitrite	U		0.0420	0.100
Sulfate	U		0.594	5.00

L1721255-25 Original Sample (OS) • Duplicate (DUP)

(OS) L1721255-25 04/03/24 21:53 • (DUP) R4057197-3 04/03/24 22:09

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	63.8	63.6	1	0.280		15
Nitrate	U	U	1	0.000		15

L1721655-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1721655-05 04/04/24 01:36 • (DUP) R4057197-6 04/04/24 01:52

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	2.74	2.74	1	0.150		15
Fluoride	U	U	1	0.000		15
Nitrate	0.292	0.264	1	9.97		15
Nitrite	U	U	1	0.000		15
Sulfate	0.607	U	1	200	P1	15

Laboratory Control Sample (LCS)

(LCS) R4057197-2 04/03/24 21:21

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	38.3	95.9	80.0-120	
Fluoride	8.00	8.07	101	80.0-120	
Nitrate	8.00	7.63	95.4	80.0-120	
Nitrite	8.00	7.36	92.0	80.0-120	
Sulfate	40.0	40.1	100	80.0-120	

L1721255-25 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1721255-25 04/03/24 21:53 • (MS) R4057197-4 04/03/24 22:25 • (MSD) R4057197-5 04/03/24 22:41

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	40.0	63.8	90.4	90.7	66.6	67.3	1	80.0-120	J6	J6	0.287	15
Nitrate	8.00	U	8.63	8.71	108	109	1	80.0-120			0.886	15

Sample Narrative:

MS: spike failed due to sample matrix

MSD: spike failed due to sample matrix

L1721655-05 Original Sample (OS) • Matrix Spike (MS)

(OS) L1721655-05 04/04/24 01:36 • (MS) R4057197-7 04/04/24 02:08

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	2.74	41.2	96.1	1	80.0-120	
Fluoride	8.00	U	8.04	101	1	80.0-120	
Nitrate	8.00	0.292	8.51	103	1	80.0-120	
Nitrite	8.00	U	7.40	92.5	1	80.0-120	
Sulfate	40.0	0.607	40.4	99.4	1	80.0-120	

Method Blank (MB)

(MB) R4057134-1 04/03/24 17:03

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.379	1.00
Fluoride	U		0.0640	0.150
Nitrate	U		0.0480	0.100
Nitrite	U		0.0420	0.100
Sulfate	U		0.594	5.00

L1721739-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1721739-11 04/03/24 21:07 • (DUP) R4057134-3 04/03/24 21:54

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	273	278	5	1.89		15
Fluoride	13.1	14.6	5	10.9		15
Nitrate	4.65	4.83	5	3.93		15
Nitrite	U	0.798	5	200	P1	15

Sample Narrative:

OS: Dilution due to matrix.

L1721724-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1721724-01 04/03/24 23:38 • (DUP) R4057134-4 04/03/24 23:53

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Fluoride	1.83	1.57	10	15.6	P1	15
Nitrate	U	U	10	0.000		15
Nitrite	U	U	10	0.000		15

Sample Narrative:

OS: dilution due to high SO4/CL

L1721724-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1721724-01 04/04/24 04:40 • (DUP) R4057134-8 04/04/24 04:56

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	14800	14700	100	0.681		15
Sulfate	17500	17200	100	1.77		15

L1721739-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1721739-11 04/04/24 10:14 • (DUP) R4057134-9 04/04/24 10:30

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	1260	1280	20	1.90		15

Laboratory Control Sample (LCS)

(LCS) R4057134-2 04/03/24 17:19

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	38.3	95.7	80.0-120	
Fluoride	8.00	8.19	102	80.0-120	
Nitrate	8.00	7.67	95.8	80.0-120	
Nitrite	8.00	8.40	105	80.0-120	
Sulfate	40.0	41.6	104	80.0-120	

L1721724-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1721724-01 04/03/24 23:38 • (MS) R4057134-5 04/04/24 03:52

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Fluoride	8.00	1.83	7.87	75.5	10	80.0-120	J6
Nitrate	8.00	U	U	0.000	10	80.0-120	J6
Nitrite	8.00	U	30.1	376	10	80.0-120	J5

Sample Narrative:

OS: dilution due to high SO4/CL

MS: spike failed due to high parent hits

Received by OCD: 6/12/2025 1:19:15 PM

L1721739-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1721739-11 04/03/24 21:07 • (MS) R4057134-6 04/04/24 04:08 • (MSD) R4057134-7 04/04/24 04:24

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	40.0	273	264	262	0.000	0.000	5	80.0-120	V	V	0.992	15
Fluoride	8.00	13.1	19.2	19.4	76.9	79.8	5	80.0-120	J6	J6	1.22	15
Nitrate	8.00	4.65	10.9	11.2	136	140	5	80.0-120	J5	J5	2.61	15
Nitrite	8.00	U	8.24	7.86	103	98.2	5	80.0-120			4.82	15

Sample Narrative:

OS: Dilution due to matrix.

MS: spike failed due to high parent hits

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Method Blank (MB)

(MB) R4059167-1 04/03/24 18:51

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.379	1.00
Fluoride	U		0.0640	0.150
Nitrate	0.0604	J	0.0480	0.100
Nitrite	0.0527	J	0.0420	0.100
Sulfate	U		0.594	5.00

L1721739-26 Original Sample (OS) • Duplicate (DUP)

(OS) L1721739-26 04/04/24 01:29 • (DUP) R4059167-3 04/04/24 01:43

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	U	U	1	0.000		15
Fluoride	0.102	0.125	1	21.1	J P1	15
Nitrate	0.0650	0.0627	1	3.60	J	15
Nitrite	0.0481	0.0504	1	4.67	J	15
Sulfate	U	U	1	0.000		15

L1721739-28 Original Sample (OS) • Duplicate (DUP)

(OS) L1721739-28 04/04/24 02:51 • (DUP) R4059167-6 04/04/24 03:04

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Fluoride	1.20	1.23	1	2.26		15
Nitrate	0.309	0.320	1	3.59		15
Nitrite	0.0974	U	1	200	P1	15

L1721739-28 Original Sample (OS) • Duplicate (DUP)

(OS) L1721739-28 04/04/24 03:18 • (DUP) R4059167-7 04/04/24 03:31

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	414	358	10	14.3		15
Sulfate	446	474	10	6.22		15

Laboratory Control Sample (LCS)

(LCS) R4059167-2 04/03/24 19:05

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	39.5	98.7	80.0-120	
Fluoride	8.00	8.64	108	80.0-120	
Nitrate	8.00	7.60	95.0	80.0-120	
Nitrite	8.00	7.97	99.7	80.0-120	
Sulfate	40.0	40.3	101	80.0-120	

L1721739-26 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1721739-26 04/04/24 01:29 • (MS) R4059167-4 04/04/24 01:56 • (MSD) R4059167-5 04/04/24 02:10

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	40.0	U	39.3	39.2	98.3	98.0	1	80.0-120			0.257	15
Fluoride	8.00	0.102	9.07	8.80	112	109	1	80.0-120			2.98	15
Nitrate	8.00	0.0650	7.79	7.22	96.5	89.5	1	80.0-120			7.49	15
Nitrite	8.00	0.0481	8.12	7.85	101	97.6	1	80.0-120			3.37	15
Sulfate	40.0	U	40.0	40.1	99.9	100	1	80.0-120			0.337	15

L1721739-28 Original Sample (OS) • Matrix Spike (MS)

(OS) L1721739-28 04/04/24 03:18 • (MS) R4059167-8 04/04/24 03:45

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	414	3230	7040	10	80.0-120	E V
Sulfate	40.0	446	3990	8860	10	80.0-120	E V

Sample Narrative:

MS: spike failed due to high parent hits

Method Blank (MB)

(MB) R4057280-1 04/04/24 00:41

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.379	1.00
Fluoride	U		0.0640	0.150
Nitrate	U		0.0480	0.100
Nitrite	U		0.0420	0.100
Sulfate	0.668	J	0.594	5.00

L1721655-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1721655-06 04/04/24 02:02 • (DUP) R4057280-3 04/04/24 02:16

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	4.88	4.82	1	1.38		15
Fluoride	U	U	1	0.000		15
Nitrate	1.02	1.04	1	1.90		15
Nitrite	U	U	1	0.000		15

Laboratory Control Sample (LCS)

(LCS) R4057280-2 04/04/24 00:54

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	37.5	93.9	80.0-120	
Fluoride	8.00	8.57	107	80.0-120	
Nitrate	8.00	7.50	93.8	80.0-120	
Nitrite	8.00	7.87	98.3	80.0-120	
Sulfate	40.0	41.1	103	80.0-120	

L1721655-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1721655-06 04/04/24 02:02 • (MS) R4057280-4 04/04/24 02:29 • (MSD) R4057280-5 04/04/24 02:43

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	40.0	4.88	41.0	41.3	90.3	91.0	1	80.0-120			0.691	15
Fluoride	8.00	U	8.67	8.78	108	110	1	80.0-120			1.20	15
Nitrate	8.00	1.02	8.32	8.24	91.2	90.2	1	80.0-120			1.06	15
Nitrite	8.00	U	7.81	7.94	97.6	99.2	1	80.0-120			1.62	15
Sulfate	40.0	5.72	42.7	41.7	92.6	89.8	1	80.0-120			2.60	15

Received by OCD: 6/12/2025 1:19:15 PM

L1721739-59 Original Sample (OS) • Matrix Spike (MS)

(OS) L1721739-59 04/04/24 06:34 • (MS) R4057280-7 04/04/24 06:48

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Nitrate	8.00	0.0974	7.24	89.2	1	80.0-120	
Nitrite	8.00	0.199	7.81	95.1	1	80.0-120	
Sulfate	40.0	26.1	61.8	89.2	1	80.0-120	

Released to Imaging: 6/17/2025 4:41:11 PM

Method Blank (MB)

(MB) R4056032-1 04/04/24 02:39

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.379	1.00
Fluoride	U		0.0640	0.150
Nitrate	U		0.0480	0.100
Nitrite	U		0.0420	0.100
Sulfate	U		0.594	5.00

L1721655-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1721655-07 04/04/24 03:08 • (DUP) R4056032-3 04/04/24 03:23

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	7.17	7.15	1	0.295		15
Fluoride	0.100	0.113	1	11.8	J	15
Nitrate	0.324	0.294	1	9.72		15
Nitrite	0.0579	0.0572	1	1.22	J	15
Sulfate	11.0	11.0	1	0.130		15

L1721767-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1721767-02 04/04/24 09:21 • (DUP) R4056032-6 04/04/24 09:36

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	30.4	30.6	1	0.788		15
Fluoride	0.529	0.507	1	4.11		15
Nitrate	23.7	23.9	1	0.860	E	15
Nitrite	U	U	1	0.000		15
Sulfate	272	272	1	0.182	E	15

Laboratory Control Sample (LCS)

(LCS) R4056032-2 04/04/24 02:54

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	39.7	99.3	80.0-120	
Fluoride	8.00	8.09	101	80.0-120	
Nitrate	8.00	7.71	96.4	80.0-120	
Nitrite	8.00	7.84	97.9	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R4056032-2 04/04/24 02:54

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Sulfate	40.0	40.6	101	80.0-120	

L1721655-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1721655-07 04/04/24 03:08 • (MS) R4056032-4 04/04/24 03:38 • (MSD) R4056032-5 04/04/24 03:53

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	40.0	7.17	46.5	46.3	98.3	97.8	1	80.0-120			0.425	15
Fluoride	8.00	0.100	8.36	7.91	103	97.6	1	80.0-120			5.58	15
Nitrate	8.00	0.324	8.50	8.36	102	101	1	80.0-120			1.66	15
Nitrite	8.00	0.0579	7.98	7.94	99.0	98.6	1	80.0-120			0.450	15
Sulfate	40.0	11.0	51.0	50.1	100	97.7	1	80.0-120			1.82	15

L1721767-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1721767-02 04/04/24 09:21 • (MS) R4056032-7 04/04/24 09:51

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	30.4	64.9	86.4	1	80.0-120	
Fluoride	8.00	0.529	8.14	95.1	1	80.0-120	
Nitrate	8.00	23.7	27.7	50.4	1	80.0-120	E J6
Nitrite	8.00	U	8.04	100	1	80.0-120	
Sulfate	40.0	272	269	0.000	1	80.0-120	E V

Method Blank (MB)

(MB) R4057695-1 04/13/24 11:53

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Fluoride	U		0.0640	0.150

L1721655-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1721655-06 04/13/24 15:48 • (DUP) R4057695-3 04/13/24 16:04

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Fluoride	0.0766	0.0688	1	10.7	J	15

Laboratory Control Sample (LCS)

(LCS) R4057695-2 04/13/24 12:09

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Fluoride	8.00	7.98	99.7	80.0-120	

L1721655-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1721655-06 04/13/24 15:48 • (MS) R4057695-4 04/13/24 16:20 • (MSD) R4057695-5 04/13/24 16:35

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Fluoride	8.00	0.0766	8.24	8.13	102	101	1	80.0-120			1.43	15

Method Blank (MB)

(MB) R4060224-1 04/18/24 19:23

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.379	1.00
Fluoride	U		0.0640	0.150
Nitrate	U		0.0480	0.100
Nitrite	U		0.0420	0.100
Sulfate	U		0.594	5.00

L1721739-46 Original Sample (OS) • Duplicate (DUP)

(OS) L1721739-46 04/18/24 20:31 • (DUP) R4060224-3 04/18/24 20:45

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	U	U	1	0.000		15
Fluoride	0.151	0.153	1	1.78		15
Nitrate	U	U	1	0.000		15
Nitrite	U	U	1	0.000		15
Sulfate	0.633	0.623	1	1.53	J	15

L1727000-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1727000-03 04/19/24 03:42 • (DUP) R4060224-6 04/19/24 03:55

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	147	147	1	0.0974		15
Fluoride	0.105	0.144	1	31.1	J P1	15
Nitrate	1.47	1.46	1	0.499		15
Nitrite	U	U	1	0.000		15
Sulfate	17.5	17.6	1	0.258		15

Laboratory Control Sample (LCS)

(LCS) R4060224-2 04/18/24 19:37

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	38.8	97.0	80.0-120	
Fluoride	8.00	8.67	108	80.0-120	
Nitrate	8.00	7.58	94.7	80.0-120	
Nitrite	8.00	7.83	97.8	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R4060224-2 04/18/24 19:37

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Sulfate	40.0	41.5	104	80.0-120	

L1721739-46 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1721739-46 04/18/24 20:31 • (MS) R4060224-4 04/18/24 20:58 • (MSD) R4060224-5 04/18/24 21:12

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	40.0	U	38.5	38.5	96.1	96.1	1	80.0-120			0.00416	15
Fluoride	8.00	0.151	8.34	8.20	102	101	1	80.0-120			1.65	15
Nitrate	8.00	U	7.54	7.54	94.3	94.3	1	80.0-120			0.0159	15
Nitrite	8.00	U	7.63	7.64	95.4	95.6	1	80.0-120			0.130	15
Sulfate	40.0	0.633	40.6	40.5	99.8	99.6	1	80.0-120			0.255	15

L1727000-03 Original Sample (OS) • Matrix Spike (MS)

(OS) L1727000-03 04/19/24 03:42 • (MS) R4060224-7 04/19/24 04:07

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	147	156	22.5	1	80.0-120	J6
Fluoride	8.00	0.105	8.54	105	1	80.0-120	
Nitrate	8.00	1.47	8.80	91.7	1	80.0-120	
Nitrite	8.00	U	7.90	98.8	1	80.0-120	
Sulfate	40.0	17.5	56.9	98.4	1	80.0-120	

Method Blank (MB)

(MB) R4061328-1 04/23/24 09:02

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Fluoride	U		0.0640	0.150

L1727119-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1727119-11 04/23/24 17:27 • (DUP) R4061328-6 04/23/24 17:40

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Fluoride	0.698	0.685	1	1.87		15

L1727119-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1727119-09 04/24/24 09:56 • (DUP) R4061678-1 04/24/24 10:09

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Fluoride	0.643	0.613	5	4.81	J	15

Laboratory Control Sample (LCS)

(LCS) R4061328-2 04/23/24 09:14

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Fluoride	8.00	8.04	100	80.0-120	

L1727119-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1727119-11 04/23/24 17:27 • (MS) R4061328-7 04/23/24 17:53 • (MSD) R4061328-8 04/23/24 18:06

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Fluoride	8.00	0.698	7.98	8.37	91.0	95.9	1	80.0-120			4.73	15

L1727119-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1727119-09 04/24/24 09:56 • (MS) R4061678-2 04/24/24 10:21 • (MSD) R4061678-3 04/24/24 10:34

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Fluoride	8.00	0.643	8.85	8.81	103	102	5	80.0-120			0.436	15

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Method Blank (MB)

(MB) R4053715-1 04/04/24 10:20

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury,Dissolved	U		0.000100	0.000200

Laboratory Control Sample (LCS)

(LCS) R4053715-2 04/04/24 10:27

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury,Dissolved	0.00300	0.00293	97.6	80.0-120	

L1721739-38 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1721739-38 04/04/24 10:30 • (MS) R4053715-4 04/04/24 10:35 • (MSD) R4053715-5 04/04/24 10:37

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury,Dissolved	0.00300	U	0.000905	0.00120	30.2	40.0	1	75.0-125	J6	J3 J6	28.0	20

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Method Blank (MB)

(MB) R4054729-1 04/06/24 20:04

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury	U		0.000100	0.000200

Laboratory Control Sample (LCS)

(LCS) R4054729-2 04/06/24 20:06

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.00300	0.00283	94.3	80.0-120	

L1721739-23 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1721739-23 04/06/24 20:08 • (MS) R4054729-4 04/06/24 20:13 • (MSD) R4054729-5 04/06/24 20:20

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.00300	U	0.00189	0.00191	63.0	63.5	1	75.0-125	J6	J6	0.720	20

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Method Blank (MB)

(MB) R4054318-1 04/05/24 12:40

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury,Dissolved	U		0.000100	0.000200

Laboratory Control Sample (LCS)

(LCS) R4054318-2 04/05/24 12:43

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury,Dissolved	0.00300	0.00311	104	80.0-120	

L1721739-68 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1721739-68 04/05/24 12:50 • (MS) R4054318-4 04/05/24 12:55 • (MSD) R4054318-5 04/05/24 12:57

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury,Dissolved	0.00300	U	0.00149	0.00147	49.6	49.0	1	75.0-125	J6	J6	1.19	20

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QUALITY CONTROL SUMMARY

L1721739-45,46

Mercury by Method 7470A

Method Blank (MB)

(MB) R4055847-1 04/10/24 08:50

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury	U		0.000100	0.000200

Laboratory Control Sample (LCS)

(LCS) R4055847-2 04/10/24 08:52

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.00300	0.00331	110	80.0-120	

L1721739-45 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1721739-45 04/10/24 08:55 • (MS) R4055847-4 04/10/24 08:59 • (MSD) R4055847-5 04/10/24 09:02

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.00300	U	0.00301	0.00299	100	99.7	1	75.0-125			0.540	20

Method Blank (MB)

(MB) R4055844-1 04/10/24 08:19

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury,Dissolved	U		0.000100	0.000200

Laboratory Control Sample (LCS)

(LCS) R4055844-2 04/10/24 08:21

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury,Dissolved	0.00300	0.00339	113	80.0-120	

L1721739-45 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1721739-45 04/10/24 08:24 • (MS) R4055844-4 04/10/24 08:28 • (MSD) R4055844-5 04/10/24 08:31

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury,Dissolved	0.00300	U	0.00307	0.00303	102	101	1	75.0-125			1.31	20

Method Blank (MB)

(MB) R4054334-1 04/05/24 12:30

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Boron,Dissolved	U		0.0200	0.200

Laboratory Control Sample (LCS)

(LCS) R4054334-2 04/05/24 12:32

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Boron,Dissolved	1.00	0.980	98.0	80.0-120	

L1720498-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1720498-10 04/05/24 12:34 • (MS) R4054334-4 04/05/24 12:37 • (MSD) R4054334-5 04/05/24 12:38

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Boron,Dissolved	1.00	0.293	1.26	1.26	96.4	96.4	1	75.0-125			0.0540	20

Method Blank (MB)

(MB) R4055269-1 04/08/24 22:20

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Boron	U		0.0200	0.200

Laboratory Control Sample (LCS)

(LCS) R4055269-2 04/08/24 22:24

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Boron	1.00	0.977	97.7	80.0-120	

L1721751-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1721751-04 04/08/24 22:27 • (MS) R4055269-4 04/08/24 22:34 • (MSD) R4055269-5 04/08/24 22:37

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Boron	1.00	0.0753	1.05	1.04	97.4	96.8	1	75.0-125			0.570	20

Method Blank (MB)

(MB) R4055078-1 04/08/24 09:42

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Boron,Dissolved	U		0.0200	0.200

Laboratory Control Sample (LCS)

(LCS) R4055078-2 04/08/24 09:44

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Boron,Dissolved	1.00	0.973	97.3	80.0-120	

L1722286-28 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1722286-28 04/08/24 10:11 • (MS) R4055078-4 04/08/24 09:49 • (MSD) R4055078-5 04/08/24 09:50

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Boron,Dissolved	1.00	0.763	1.74	1.73	98.2	96.9	1	75.0-125			0.710	20

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Method Blank (MB)

(MB) R4055237-1 04/08/24 19:40

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Boron	U		0.0200	0.200

Laboratory Control Sample (LCS)

(LCS) R4055237-2 04/08/24 19:43

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Boron	1.00	0.978	97.8	80.0-120	

L1722351-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1722351-02 04/08/24 19:46 • (MS) R4055237-4 04/08/24 19:51 • (MSD) R4055237-5 04/08/24 19:54

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Boron	1.00	U	0.977	0.988	97.7	98.8	1	75.0-125			1.21	20

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

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Method Blank (MB)

(MB) R4055532-1 04/09/24 08:42

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Boron,Dissolved	U		0.0200	0.200

Laboratory Control Sample (LCS)

(LCS) R4055532-2 04/09/24 08:45

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Boron,Dissolved	1.00	1.02	102	80.0-120	

L1722760-23 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1722760-23 04/09/24 08:49 • (MS) R4055532-4 04/09/24 08:56 • (MSD) R4055532-5 04/09/24 08:59

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Boron,Dissolved	1.00	0.166	1.19	1.20	103	104	1	75.0-125			0.567	20

Method Blank (MB)

(MB) R4056263-1 04/10/24 16:55

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Boron	U		0.0200	0.200

Laboratory Control Sample (LCS)

(LCS) R4056263-2 04/10/24 16:58

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Boron	1.00	1.03	103	80.0-120	

L1722394-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1722394-01 04/10/24 17:01 • (MS) R4056263-4 04/10/24 17:08 • (MSD) R4056263-5 04/10/24 17:11

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Boron	1.00	0.0449	1.06	1.06	102	101	1	75.0-125			0.173	20

Method Blank (MB)

(MB) R4056034-1 04/10/24 12:40

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic,Dissolved	U		0.000180	0.00200
Barium,Dissolved	U		0.000381	0.00200
Chromium,Dissolved	U		0.00124	0.00200
Iron,Dissolved	U		0.0281	0.100
Lead,Dissolved	U		0.000849	0.00200
Manganese,Dissolved	U		0.000704	0.00500
Selenium,Dissolved	U		0.000300	0.00200

Laboratory Control Sample (LCS)

(LCS) R4056034-2 04/10/24 12:44

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic,Dissolved	0.0500	0.0491	98.1	80.0-120	
Barium,Dissolved	0.0500	0.0486	97.3	80.0-120	
Chromium,Dissolved	0.0500	0.0508	102	80.0-120	
Iron,Dissolved	1.00	1.01	101	80.0-120	
Lead,Dissolved	0.0500	0.0507	101	80.0-120	
Manganese,Dissolved	0.0500	0.0500	100	80.0-120	
Selenium,Dissolved	0.0500	0.0497	99.4	80.0-120	

L1721739-19 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1721739-19 04/10/24 12:47 • (MS) R4056034-4 04/10/24 12:53 • (MSD) R4056034-5 04/10/24 12:57

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic,Dissolved	0.0500	0.00888	0.0614	0.0616	105	105	1	75.0-125			0.396	20
Barium,Dissolved	0.0500	0.0102	0.0620	0.0623	104	104	1	75.0-125			0.520	20
Chromium,Dissolved	0.0500	U	0.0517	0.0522	103	104	1	75.0-125			0.856	20
Iron,Dissolved	1.00	0.123	1.15	1.15	103	102	1	75.0-125			0.410	20
Lead,Dissolved	0.0500	U	0.0525	0.0533	105	107	1	75.0-125			1.61	20
Manganese,Dissolved	0.0500	1.02	1.08	1.09	113	140	1	75.0-125		V	1.24	20
Selenium,Dissolved	0.0500	U	0.0535	0.0542	107	108	1	75.0-125			1.42	20

Method Blank (MB)

(MB) R4056239-6 04/10/24 17:59

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic,Dissolved	U		0.000180	0.00200
Barium,Dissolved	U		0.000381	0.00200
Cadmium,Dissolved	U		0.000150	0.00100
Chromium,Dissolved	U		0.00124	0.00200
Cobalt,Dissolved	U		0.0000596	0.00200
Iron,Dissolved	U		0.0281	0.100
Lead,Dissolved	U		0.000849	0.00200
Manganese,Dissolved	U		0.000704	0.00500
Nickel,Dissolved	0.00127	J	0.000816	0.00200
Selenium,Dissolved	U		0.000300	0.00200
Uranium,Dissolved	U		0.0000789	0.00100
Vanadium,Dissolved	U		0.000664	0.00500

Laboratory Control Sample (LCS)

(LCS) R4056239-2 04/10/24 17:17

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic,Dissolved	0.0500	0.0514	103	80.0-120	
Barium,Dissolved	0.0500	0.0496	99.2	80.0-120	
Cadmium,Dissolved	0.0500	0.0547	109	80.0-120	
Chromium,Dissolved	0.0500	0.0539	108	80.0-120	
Cobalt,Dissolved	0.0500	0.0555	111	80.0-120	
Iron,Dissolved	1.00	1.07	107	80.0-120	
Lead,Dissolved	0.0500	0.0522	104	80.0-120	
Manganese,Dissolved	0.0500	0.0530	106	80.0-120	
Nickel,Dissolved	0.0500	0.0553	111	80.0-120	
Selenium,Dissolved	0.0500	0.0524	105	80.0-120	
Uranium,Dissolved	0.0500	0.0524	105	80.0-120	
Vanadium,Dissolved	0.0500	0.0537	107	80.0-120	

L1721739-25 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1721739-25 04/10/24 17:20 • (MS) R4056239-4 04/10/24 17:27 • (MSD) R4056239-5 04/10/24 17:30

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic,Dissolved	0.0500	0.000744	0.0540	0.0541	106	107	1	75.0-125			0.114	20
Barium,Dissolved	0.0500	0.0163	0.0715	0.0711	111	110	1	75.0-125			0.583	20
Cadmium,Dissolved	0.0500	U	0.0505	0.0504	101	101	1	75.0-125			0.0924	20

L1721739-25 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1721739-25 04/10/24 17:20 • (MS) R4056239-4 04/10/24 17:27 • (MSD) R4056239-5 04/10/24 17:30

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chromium,Dissolved	0.0500	U	0.0538	0.0539	108	108	1	75.0-125			0.220	20
Cobalt,Dissolved	0.0500	0.000341	0.0530	0.0537	105	107	1	75.0-125			1.47	20
Iron,Dissolved	1.00	1.74	2.73	2.78	99.7	104	1	75.0-125			1.69	20
Lead,Dissolved	0.0500	U	0.0526	0.0523	105	105	1	75.0-125			0.551	20
Manganese,Dissolved	0.0500	0.272	0.325	0.330	106	116	1	75.0-125			1.51	20
Nickel,Dissolved	0.0500	0.00111	0.0524	0.0528	103	103	1	75.0-125			0.782	20
Selenium,Dissolved	0.0500	U	0.0566	0.0575	113	115	1	75.0-125			1.49	20
Uranium,Dissolved	0.0500	0.000774	0.0560	0.0556	111	110	1	75.0-125			0.842	20
Vanadium,Dissolved	0.0500	U	0.0549	0.0550	110	110	1	75.0-125			0.204	20

Method Blank (MB)

(MB) R4055310-1 04/09/24 02:08

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic,Dissolved	U		0.000180	0.00200
Barium,Dissolved	U		0.000381	0.00200
Cadmium,Dissolved	U		0.000150	0.00100
Chromium,Dissolved	U		0.00124	0.00200
Cobalt,Dissolved	U		0.0000596	0.00200
Iron,Dissolved	U		0.0281	0.100
Lead,Dissolved	0.00563		0.000849	0.00200
Manganese,Dissolved	U		0.000704	0.00500
Nickel,Dissolved	U		0.000816	0.00200
Selenium,Dissolved	U		0.000300	0.00200
Uranium,Dissolved	U		0.0000789	0.00100
Vanadium,Dissolved	U		0.000664	0.00500

Laboratory Control Sample (LCS)

(LCS) R4055310-2 04/09/24 02:12

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic,Dissolved	0.0500	0.0506	101	80.0-120	
Barium,Dissolved	0.0500	0.0491	98.2	80.0-120	
Cadmium,Dissolved	0.0500	0.0517	103	80.0-120	
Chromium,Dissolved	0.0500	0.0526	105	80.0-120	
Cobalt,Dissolved	0.0500	0.0525	105	80.0-120	
Iron,Dissolved	1.00	1.01	101	80.0-120	
Lead,Dissolved	0.0500	0.0509	102	80.0-120	
Manganese,Dissolved	0.0500	0.0506	101	80.0-120	
Nickel,Dissolved	0.0500	0.0523	105	80.0-120	
Selenium,Dissolved	0.0500	0.0499	99.9	80.0-120	
Uranium,Dissolved	0.0500	0.0483	96.7	80.0-120	
Vanadium,Dissolved	0.0500	0.0515	103	80.0-120	

L1721739-42 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1721739-42 04/09/24 02:15 • (MS) R4055310-4 04/09/24 02:22 • (MSD) R4055310-5 04/09/24 02:25

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic,Dissolved	0.0500	0.00169	0.0536	0.0539	104	104	1	75.0-125			0.534	20
Barium,Dissolved	0.0500	0.0119	0.0642	0.0645	105	105	1	75.0-125			0.405	20
Cadmium,Dissolved	0.0500	U	0.0518	0.0513	104	103	1	75.0-125			0.898	20

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L1721739-42 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1721739-42 04/09/24 02:15 • (MS) R4055310-4 04/09/24 02:22 • (MSD) R4055310-5 04/09/24 02:25

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chromium,Dissolved	0.0500	U	0.0532	0.0524	106	105	1	75.0-125			1.39	20
Cobalt,Dissolved	0.0500	0.0000696	0.0525	0.0520	105	104	1	75.0-125			1.03	20
Iron,Dissolved	1.00	0.0542	1.04	0.989	98.1	93.5	1	75.0-125			4.59	20
Lead,Dissolved	0.0500	U	0.0475	0.0499	94.9	99.7	1	75.0-125			4.97	20
Manganese,Dissolved	0.0500	0.00580	0.0561	0.0559	101	100	1	75.0-125			0.301	20
Nickel,Dissolved	0.0500	0.00154	0.0539	0.0524	105	102	1	75.0-125			2.86	20
Selenium,Dissolved	0.0500	0.00243	0.0546	0.0580	104	111	1	75.0-125			6.09	20
Uranium,Dissolved	0.0500	0.0175	0.0643	0.0644	93.5	93.7	1	75.0-125			0.165	20
Vanadium,Dissolved	0.0500	0.0156	0.0694	0.0688	108	106	1	75.0-125			0.873	20

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Method Blank (MB)

(MB) R4056287-1 04/10/24 21:06

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.000180	0.00200
Barium	U		0.000381	0.00200
Calcium	U		0.0936	1.00
Chromium	U		0.00124	0.00200
Iron	U		0.0281	0.100
Lead	U		0.000849	0.00200
Manganese	U		0.000704	0.00500
Potassium	U		0.108	2.00
Selenium	U		0.000300	0.00200
Sodium	U		0.376	2.00

Laboratory Control Sample (LCS)

(LCS) R4056287-2 04/10/24 21:10

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	0.0500	0.0480	96.1	80.0-120	
Barium	0.0500	0.0480	96.0	80.0-120	
Calcium	5.00	5.11	102	80.0-120	
Chromium	0.0500	0.0470	94.0	80.0-120	
Iron	1.00	0.957	95.7	80.0-120	
Lead	0.0500	0.0456	91.1	80.0-120	
Manganese	0.0500	0.0478	95.6	80.0-120	
Potassium	5.00	4.84	96.8	80.0-120	
Selenium	0.0500	0.0495	98.9	80.0-120	
Sodium	5.00	4.99	99.9	80.0-120	

L1721739-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1721739-15 04/10/24 21:13 • (MS) R4056287-4 04/10/24 21:20 • (MSD) R4056287-5 04/10/24 21:23

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	0.00201	0.0522	0.0527	100	101	1	75.0-125			0.797	20
Barium	0.0500	0.0115	0.0587	0.0623	94.4	102	1	75.0-125			6.06	20
Calcium	5.00	377	387	392	212	303	1	75.0-125	V	V	1.17	20
Chromium	0.0500	0.00298	0.0472	0.0475	88.5	88.9	1	75.0-125			0.476	20
Iron	1.00	U	0.953	0.946	95.3	94.6	1	75.0-125			0.751	20
Lead	0.0500	U	0.0489	0.0486	97.7	97.3	1	75.0-125			0.472	20
Manganese	0.0500	0.321	0.367	0.373	91.5	104	1	75.0-125			1.67	20

L1721739-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1721739-15 04/10/24 21:13 • (MS) R4056287-4 04/10/24 21:20 • (MSD) R4056287-5 04/10/24 21:23

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Potassium	5.00	4.18	8.81	8.77	92.7	91.7	1	75.0-125			0.553	20
Selenium	0.0500	0.00160	0.0544	0.0554	106	108	1	75.0-125			1.84	20
Sodium	5.00	874	859	870	0.000	0.000	1	75.0-125	V	V	1.33	20

Method Blank (MB)

(MB) R4056249-1 04/10/24 17:56

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.000180	0.00200
Barium	U		0.000381	0.00200
Cadmium	U		0.000150	0.00100
Calcium	U		0.0936	1.00
Chromium	U		0.00124	0.00200
Cobalt	U		0.0000596	0.00200
Iron	U		0.0281	0.100
Lead	U		0.000849	0.00200
Manganese	U		0.000704	0.00500
Nickel	U		0.000816	0.00200
Potassium	U		0.108	2.00
Selenium	U		0.000300	0.00200
Sodium	U		0.376	2.00
Uranium	U		0.0000789	0.00100
Vanadium	U		0.000664	0.00500

Laboratory Control Sample (LCS)

(LCS) R4056249-2 04/10/24 18:00

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	0.0500	0.0500	100	80.0-120	
Barium	0.0500	0.0482	96.4	80.0-120	
Cadmium	0.0500	0.0530	106	80.0-120	
Calcium	5.00	5.05	101	80.0-120	
Chromium	0.0500	0.0507	101	80.0-120	
Cobalt	0.0500	0.0511	102	80.0-120	
Iron	1.00	1.01	101	80.0-120	
Lead	0.0500	0.0492	98.3	80.0-120	
Manganese	0.0500	0.0508	102	80.0-120	
Nickel	0.0500	0.0508	102	80.0-120	
Potassium	5.00	5.07	101	80.0-120	
Selenium	0.0500	0.0503	101	80.0-120	
Sodium	5.00	5.30	106	80.0-120	
Uranium	0.0500	0.0499	99.9	80.0-120	
Vanadium	0.0500	0.0494	98.8	80.0-120	

L1721739-31 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1721739-31 04/10/24 18:03 • (MS) R4056249-4 04/10/24 18:10 • (MSD) R4056249-5 04/10/24 18:13

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	0.00493	0.0560	0.0574	102	105	1	75.0-125			2.40	20
Barium	0.0500	0.0140	0.0628	0.0657	97.7	103	1	75.0-125			4.48	20
Cadmium	0.0500	U	0.0538	0.0537	108	107	1	75.0-125			0.179	20
Calcium	5.00	508	504	517	0.000	163	1	75.0-125	V	V	2.36	20
Chromium	0.0500	U	0.0499	0.0521	99.9	104	1	75.0-125			4.31	20
Cobalt	0.0500	0.000727	0.0508	0.0526	100	104	1	75.0-125			3.65	20
Iron	1.00	0.0372	1.04	1.06	100	102	1	75.0-125			2.13	20
Lead	0.0500	U	0.0483	0.0492	96.7	98.4	1	75.0-125			1.77	20
Manganese	0.0500	0.110	0.185	0.184	149	147	1	75.0-125	J5	J5	0.546	20
Nickel	0.0500	0.0168	0.0659	0.0674	98.3	101	1	75.0-125			2.27	20
Potassium	5.00	7.79	12.3	12.7	89.7	98.0	1	75.0-125			3.32	20
Selenium	0.0500	0.0193	0.0710	0.0718	103	105	1	75.0-125			1.11	20
Sodium	5.00	270	271	277	16.5	135	1	75.0-125	V	V	2.16	20
Uranium	0.0500	0.0121	0.0629	0.0639	101	104	1	75.0-125			1.67	20
Vanadium	0.0500	0.00863	0.0589	0.0611	100	105	1	75.0-125			3.65	20

Method Blank (MB)

(MB) R4056216-1 04/10/24 15:30

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.000180	0.00200
Barium	U		0.000381	0.00200
Cadmium	U		0.000150	0.00100
Calcium	U		0.0936	1.00
Chromium	U		0.00124	0.00200
Cobalt	U		0.0000596	0.00200
Iron	U		0.0281	0.100
Lead	U		0.000849	0.00200
Manganese	U		0.000704	0.00500
Nickel	U		0.000816	0.00200
Potassium	U		0.108	2.00
Selenium	U		0.000300	0.00200
Sodium	U		0.376	2.00
Uranium	U		0.0000789	0.00100
Vanadium	U		0.000664	0.00500

Laboratory Control Sample (LCS)

(LCS) R4056216-2 04/10/24 15:33

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	0.0500	0.0515	103	80.0-120	
Barium	0.0500	0.0495	99.0	80.0-120	
Cadmium	0.0500	0.0519	104	80.0-120	
Calcium	5.00	5.00	100	80.0-120	
Chromium	0.0500	0.0536	107	80.0-120	
Cobalt	0.0500	0.0541	108	80.0-120	
Iron	1.00	1.05	105	80.0-120	
Lead	0.0500	0.0526	105	80.0-120	
Manganese	0.0500	0.0516	103	80.0-120	
Nickel	0.0500	0.0535	107	80.0-120	
Potassium	5.00	5.04	101	80.0-120	
Selenium	0.0500	0.0524	105	80.0-120	
Sodium	5.00	5.19	104	80.0-120	
Uranium	0.0500	0.0523	105	80.0-120	
Vanadium	0.0500	0.0514	103	80.0-120	

L1721739-49 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1721739-49 04/10/24 15:36 • (MS) R4056216-4 04/10/24 15:43 • (MSD) R4056216-5 04/10/24 15:46

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	0.0976	0.149	0.146	103	96.7	1	75.0-125			2.24	20
Barium	0.0500	0.106	0.154	0.155	97.3	98.9	1	75.0-125			0.511	20
Cadmium	0.0500	U	0.0529	0.0529	106	106	1	75.0-125			0.0950	20
Calcium	5.00	201	206	204	98.4	75.1	1	75.0-125			0.567	20
Chromium	0.0500	U	0.0520	0.0515	104	103	1	75.0-125			1.07	20
Cobalt	0.0500	0.00259	0.0548	0.0540	104	103	1	75.0-125			1.53	20
Iron	1.00	3.10	4.22	4.20	112	110	1	75.0-125			0.428	20
Lead	0.0500	U	0.0530	0.0536	106	107	1	75.0-125			1.14	20
Manganese	0.0500	0.953	0.991	0.988	77.4	71.2	1	75.0-125		V	0.313	20
Nickel	0.0500	0.00198	0.0524	0.0520	101	100	1	75.0-125			0.885	20
Potassium	5.00	0.835	5.86	5.83	101	100	1	75.0-125			0.507	20
Selenium	0.0500	U	0.0523	0.0525	105	105	1	75.0-125			0.367	20
Sodium	5.00	211	218	210	130	0.000	1	75.0-125	V	V	3.68	20
Uranium	0.0500	0.000214	0.0552	0.0562	110	112	1	75.0-125			1.69	20
Vanadium	0.0500	U	0.0515	0.0513	103	103	1	75.0-125			0.205	20

Method Blank (MB)

(MB) R4054785-1 04/07/24 19:42

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.000180	0.00200
Barium	U		0.000381	0.00200
Cadmium	U		0.000150	0.00100
Calcium	U		0.0936	1.00
Chromium	U		0.00124	0.00200
Cobalt	U		0.0000596	0.00200
Iron	U		0.0281	0.100
Lead	U		0.000849	0.00200
Manganese	U		0.000704	0.00500
Nickel	U		0.000816	0.00200
Potassium	U		0.108	2.00
Selenium	U		0.000300	0.00200
Sodium	U		0.376	2.00
Uranium	U		0.0000789	0.00100
Vanadium	U		0.000664	0.00500

Laboratory Control Sample (LCS)

(LCS) R4054785-2 04/07/24 19:45

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	0.0500	0.0565	113	80.0-120	
Barium	0.0500	0.0547	109	80.0-120	
Cadmium	0.0500	0.0574	115	80.0-120	
Calcium	5.00	5.61	112	80.0-120	
Chromium	0.0500	0.0580	116	80.0-120	
Cobalt	0.0500	0.0567	113	80.0-120	
Iron	1.00	1.12	112	80.0-120	
Lead	0.0500	0.0546	109	80.0-120	
Manganese	0.0500	0.0576	115	80.0-120	
Nickel	0.0500	0.0583	117	80.0-120	
Potassium	5.00	5.64	113	80.0-120	
Selenium	0.0500	0.0569	114	80.0-120	
Sodium	5.00	5.86	117	80.0-120	
Uranium	0.0500	0.0534	107	80.0-120	
Vanadium	0.0500	0.0577	115	80.0-120	

Received by OCD: 6/12/2025 1:19:15 PM

L1721276-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1721276-05 04/07/24 19:49 • (MS) R4054785-4 04/07/24 19:55 • (MSD) R4054785-5 04/07/24 19:59

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	0.00368	0.0577	0.0587	108	110	1	75.0-125			1.75	20
Barium	0.0500	0.00894	0.0625	0.0638	107	110	1	75.0-125			2.09	20
Cadmium	0.0500	U	0.0539	0.0544	108	109	1	75.0-125			0.950	20
Calcium	5.00	556	558	564	47.2	169	1	75.0-125	V	V	1.09	20
Chromium	0.0500	U	0.0552	0.0557	110	111	1	75.0-125			0.922	20
Cobalt	0.0500	U	0.0529	0.0532	106	106	1	75.0-125			0.644	20
Iron	1.00	U	1.05	1.07	105	107	1	75.0-125			1.44	20
Lead	0.0500	U	0.0496	0.0510	99.1	102	1	75.0-125			2.89	20
Manganese	0.0500	0.0283	0.0785	0.0815	100	106	1	75.0-125			3.69	20
Nickel	0.0500	0.00207	0.0545	0.0558	105	108	1	75.0-125			2.42	20
Potassium	5.00	1.27	6.42	6.44	103	103	1	75.0-125			0.311	20
Selenium	0.0500	0.00231	0.0580	0.0582	111	112	1	75.0-125			0.237	20
Sodium	5.00	248	248	249	0.000	16.9	1	75.0-125	V	V	0.465	20
Uranium	0.0500	0.0391	0.0914	0.0913	105	104	1	75.0-125			0.0815	20
Vanadium	0.0500	0.0254	0.0793	0.0802	108	110	1	75.0-125			1.21	20

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Method Blank (MB)

(MB) R4055842-1 04/10/24 01:02

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic,Dissolved	U		0.000180	0.00200
Barium,Dissolved	U		0.000381	0.00200
Cadmium,Dissolved	U		0.000150	0.00100
Chromium,Dissolved	U		0.00124	0.00200
Cobalt,Dissolved	U		0.0000596	0.00200
Iron,Dissolved	U		0.0281	0.100
Lead,Dissolved	U		0.000849	0.00200
Manganese,Dissolved	U		0.000704	0.00500
Nickel,Dissolved	U		0.000816	0.00200
Selenium,Dissolved	U		0.000300	0.00200
Uranium,Dissolved	U		0.0000789	0.00100
Vanadium,Dissolved	U		0.000664	0.00500

Laboratory Control Sample (LCS)

(LCS) R4055842-2 04/10/24 01:05

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic,Dissolved	0.0500	0.0533	107	80.0-120	
Barium,Dissolved	0.0500	0.0529	106	80.0-120	
Cadmium,Dissolved	0.0500	0.0544	109	80.0-120	
Chromium,Dissolved	0.0500	0.0549	110	80.0-120	
Cobalt,Dissolved	0.0500	0.0556	111	80.0-120	
Iron,Dissolved	1.00	1.07	107	80.0-120	
Lead,Dissolved	0.0500	0.0529	106	80.0-120	
Manganese,Dissolved	0.0500	0.0557	111	80.0-120	
Nickel,Dissolved	0.0500	0.0569	114	80.0-120	
Selenium,Dissolved	0.0500	0.0537	107	80.0-120	
Uranium,Dissolved	0.0500	0.0498	99.7	80.0-120	
Vanadium,Dissolved	0.0500	0.0541	108	80.0-120	

L1721276-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1721276-07 04/10/24 01:09 • (MS) R4055842-4 04/10/24 01:15 • (MSD) R4055842-5 04/10/24 01:19

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic,Dissolved	0.0500	0.00449	0.0571	0.0567	105	104	1	75.0-125			0.834	20
Barium,Dissolved	0.0500	0.00839	0.0590	0.0581	101	99.4	1	75.0-125			1.52	20
Cadmium,Dissolved	0.0500	U	0.0540	0.0525	108	105	1	75.0-125			2.89	20

L1721276-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1721276-07 04/10/24 01:09 • (MS) R4055842-4 04/10/24 01:15 • (MSD) R4055842-5 04/10/24 01:19

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chromium,Dissolved	0.0500	U	0.0532	0.0530	106	106	1	75.0-125			0.225	20
Cobalt,Dissolved	0.0500	0.0000648	0.0519	0.0519	104	104	1	75.0-125			0.0314	20
Iron,Dissolved	1.00	U	1.04	1.04	104	104	1	75.0-125			0.293	20
Lead,Dissolved	0.0500	U	0.0526	0.0513	105	103	1	75.0-125			2.67	20
Manganese,Dissolved	0.0500	0.000737	0.0532	0.0517	105	102	1	75.0-125			2.79	20
Nickel,Dissolved	0.0500	0.00104	0.0518	0.0532	102	104	1	75.0-125			2.67	20
Selenium,Dissolved	0.0500	0.00513	0.0581	0.0575	106	105	1	75.0-125			1.04	20
Uranium,Dissolved	0.0500	0.0469	0.0993	0.0978	105	102	1	75.0-125			1.51	20
Vanadium,Dissolved	0.0500	0.0240	0.0753	0.0761	102	104	1	75.0-125			1.17	20

Method Blank (MB)

(MB) R4056717-1 04/11/24 17:14

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic,Dissolved	U		0.000180	0.00200
Barium,Dissolved	U		0.000381	0.00200
Cadmium,Dissolved	U		0.000150	0.00100
Chromium,Dissolved	U		0.00124	0.00200
Cobalt,Dissolved	U		0.0000596	0.00200
Iron,Dissolved	U		0.0281	0.100
Lead,Dissolved	U		0.000849	0.00200
Manganese,Dissolved	U		0.000704	0.00500
Nickel,Dissolved	U		0.000816	0.00200
Selenium,Dissolved	U		0.000300	0.00200
Uranium,Dissolved	U		0.0000789	0.00100
Vanadium,Dissolved	U		0.000664	0.00500

Laboratory Control Sample (LCS)

(LCS) R4056717-6 04/11/24 18:50

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic,Dissolved	0.0500	0.0486	97.1	80.0-120	
Barium,Dissolved	0.0500	0.0491	98.2	80.0-120	
Cadmium,Dissolved	0.0500	0.0502	100	80.0-120	
Chromium,Dissolved	0.0500	0.0489	97.8	80.0-120	
Cobalt,Dissolved	0.0500	0.0495	99.0	80.0-120	
Iron,Dissolved	1.00	0.990	99.0	80.0-120	
Lead,Dissolved	0.0500	0.0484	96.8	80.0-120	
Manganese,Dissolved	0.0500	0.0486	97.3	80.0-120	
Nickel,Dissolved	0.0500	0.0499	99.8	80.0-120	
Selenium,Dissolved	0.0500	0.0494	98.8	80.0-120	
Uranium,Dissolved	0.0500	0.0464	92.7	80.0-120	
Vanadium,Dissolved	0.0500	0.0484	96.8	80.0-120	

L1722296-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1722296-12 04/11/24 17:21 • (MS) R4056717-4 04/11/24 17:27 • (MSD) R4056717-5 04/11/24 17:31

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic,Dissolved	0.0500	0.00150	0.0521	0.0522	101	101	5	75.0-125			0.293	20
Barium,Dissolved	0.0500	0.00481	0.0559	0.0576	102	106	5	75.0-125			3.04	20
Cadmium,Dissolved	0.0500	0.00415	0.0551	0.0554	102	102	5	75.0-125			0.530	20

L1722296-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1722296-12 04/11/24 17:21 • (MS) R4056717-4 04/11/24 17:27 • (MSD) R4056717-5 04/11/24 17:31

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chromium,Dissolved	0.0500	U	0.0522	0.0514	104	103	5	75.0-125			1.57	20
Cobalt,Dissolved	0.0500	0.132	0.175	0.175	86.4	87.1	5	75.0-125			0.204	20
Iron,Dissolved	1.00	U	1.03	1.04	103	104	5	75.0-125			0.756	20
Lead,Dissolved	0.0500	U	0.0524	0.0514	105	103	5	75.0-125			1.97	20
Manganese,Dissolved	0.0500	2.91	2.82	2.88	0.000	0.000	5	75.0-125	V	V	2.06	20
Nickel,Dissolved	0.0500	0.398	0.425	0.427	53.3	57.8	5	75.0-125	V	V	0.526	20
Selenium,Dissolved	0.0500	0.322	0.372	0.375	100	107	5	75.0-125			0.887	20
Uranium,Dissolved	0.0500	0.000628	0.0519	0.0515	102	102	5	75.0-125			0.786	20
Vanadium,Dissolved	0.0500	U	0.0514	0.0530	103	106	5	75.0-125			3.13	20

Method Blank (MB)

(MB) R4056207-1 04/10/24 15:53

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.000180	0.00200
Barium	U		0.000381	0.00200
Cadmium	U		0.000150	0.00100
Calcium	U		0.0936	1.00
Chromium	U		0.00124	0.00200
Cobalt	U		0.0000596	0.00200
Iron	U		0.0281	0.100
Lead	U		0.000849	0.00200
Manganese	U		0.000704	0.00500
Nickel	U		0.000816	0.00200
Potassium	U		0.108	2.00
Selenium	U		0.000300	0.00200
Sodium	U		0.376	2.00
Uranium	U		0.0000789	0.00100
Vanadium	U		0.000664	0.00500

Laboratory Control Sample (LCS)

(LCS) R4056207-2 04/10/24 15:57

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	0.0500	0.0515	103	80.0-120	
Barium	0.0500	0.0520	104	80.0-120	
Cadmium	0.0500	0.0531	106	80.0-120	
Calcium	5.00	5.23	105	80.0-120	
Chromium	0.0500	0.0529	106	80.0-120	
Cobalt	0.0500	0.0533	107	80.0-120	
Iron	1.00	1.04	104	80.0-120	
Lead	0.0500	0.0518	104	80.0-120	
Manganese	0.0500	0.0523	105	80.0-120	
Nickel	0.0500	0.0531	106	80.0-120	
Potassium	5.00	5.21	104	80.0-120	
Selenium	0.0500	0.0522	104	80.0-120	
Sodium	5.00	5.30	106	80.0-120	
Uranium	0.0500	0.0533	107	80.0-120	
Vanadium	0.0500	0.0523	105	80.0-120	

L1722286-48 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1722286-48 04/10/24 16:00 • (MS) R4056207-4 04/10/24 16:07 • (MSD) R4056207-5 04/10/24 16:10

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	U	0.0486	0.0493	97.3	98.6	1	75.0-125			1.33	20
Barium	0.0500	0.000687	0.0476	0.0492	93.9	97.0	1	75.0-125			3.24	20
Cadmium	0.0500	U	0.0505	0.0507	101	101	1	75.0-125			0.239	20
Calcium	5.00	0.252	5.15	5.12	97.9	97.3	1	75.0-125			0.614	20
Chromium	0.0500	U	0.0495	0.0499	99.0	99.9	1	75.0-125			0.860	20
Cobalt	0.0500	U	0.0503	0.0501	101	100	1	75.0-125			0.228	20
Iron	1.00	U	0.965	1.00	96.5	100	1	75.0-125			3.62	20
Lead	0.0500	U	0.0492	0.0481	98.4	96.1	1	75.0-125			2.34	20
Manganese	0.0500	U	0.0489	0.0493	97.8	98.7	1	75.0-125			0.902	20
Nickel	0.0500	U	0.0498	0.0498	99.6	99.6	1	75.0-125			0.00213	20
Potassium	5.00	0.162	5.09	5.06	98.5	97.9	1	75.0-125			0.539	20
Selenium	0.0500	U	0.0473	0.0500	94.5	100	1	75.0-125			5.62	20
Sodium	5.00	1.94	6.93	6.80	99.8	97.2	1	75.0-125			1.91	20
Uranium	0.0500	U	0.0498	0.0489	99.6	97.8	1	75.0-125			1.91	20
Vanadium	0.0500	U	0.0481	0.0489	96.1	97.8	1	75.0-125			1.76	20

Method Blank (MB)

(MB) R4056000-1 04/10/24 12:11

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Lead,Dissolved	U		0.000849	0.00200

Laboratory Control Sample (LCS)

(LCS) R4056000-2 04/10/24 12:14

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Lead,Dissolved	0.0500	0.0497	99.4	80.0-120	

L1721739-48 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1721739-48 04/10/24 12:18 • (MS) R4056000-4 04/10/24 12:24 • (MSD) R4056000-5 04/10/24 12:27

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Lead,Dissolved	0.0500	0.00324	0.0552	0.0528	104	99.1	1	75.0-125			4.46	20

Method Blank (MB)

(MB) R4065693-1 05/03/24 17:25

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic,Dissolved	U		0.000180	0.00200
Barium,Dissolved	U		0.000381	0.00200
Chromium,Dissolved	U		0.00124	0.00200
Iron,Dissolved	U		0.0281	0.100
Lead,Dissolved	U		0.000849	0.00200
Manganese,Dissolved	U		0.000704	0.00500
Selenium,Dissolved	U		0.000300	0.00200

Laboratory Control Sample (LCS)

(LCS) R4065693-2 05/03/24 17:29

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic,Dissolved	0.0500	0.0509	102	80.0-120	
Barium,Dissolved	0.0500	0.0499	99.9	80.0-120	
Chromium,Dissolved	0.0500	0.0533	107	80.0-120	
Iron,Dissolved	1.00	1.05	105	80.0-120	
Lead,Dissolved	0.0500	0.0529	106	80.0-120	
Manganese,Dissolved	0.0500	0.0532	106	80.0-120	
Selenium,Dissolved	0.0500	0.0545	109	80.0-120	

L1721739-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1721739-05 05/03/24 17:32 • (MS) R4065693-4 05/03/24 17:39 • (MSD) R4065693-5 05/03/24 17:42

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic,Dissolved	0.0500	0.00571	0.0590	0.0568	107	102	1	75.0-125			3.70	20
Barium,Dissolved	0.0500	0.0260	0.0745	0.0769	97.0	102	1	75.0-125			3.24	20
Chromium,Dissolved	0.0500	U	0.0509	0.0494	102	98.9	1	75.0-125			2.89	20
Iron,Dissolved	1.00	0.205	1.18	1.14	97.9	93.6	1	75.0-125			3.70	20
Lead,Dissolved	0.0500	U	0.0528	0.0518	106	104	1	75.0-125			1.75	20
Manganese,Dissolved	0.0500	0.642	0.707	0.678	129	72.2	1	75.0-125	V	V	4.08	20
Selenium,Dissolved	0.0500	0.00615	0.0627	0.0639	113	115	1	75.0-125			1.80	20

Received by OCD: 6/12/2025 1:19:15 PM

Method Blank (MB)

(MB) R4056022-2 04/05/24 13:24

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*104*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R4056022-1 04/05/24 11:41

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.00	5.08	102	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*111*	*78.0-120*	

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Method Blank (MB)

(MB) R4057296-2 04/05/24 17:31

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*91.8*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R4057296-1 04/05/24 15:39

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.00	4.66	93.2	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*98.1*	*78.0-120*	

Received by OCD: 6/12/2025 1:19:15 PM

Method Blank (MB)

(MB) R4054896-3 04/07/24 11:29

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*92.1*			*78.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4054896-1 04/07/24 10:21 • (LCSD) R4054896-2 04/07/24 10:44

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.00	4.46	4.42	89.2	88.4	72.0-127			0.901	20
(S) a,a,a-Trifluorotoluene(FID)				*95.1*	*97.1*	*78.0-120*				

Released to Imaging: 6/17/2025 4:41:11 PM

Method Blank (MB)

(MB) R4055576-3 04/08/24 13:05

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*92.3*			*78.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4055576-1 04/08/24 09:56 • (LCSD) R4055576-2 04/08/24 12:19

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.00	5.23	5.23	105	105	72.0-127			0.000	20
(S) a,a,a-Trifluorotoluene(FID)				*92.6*	*92.6*	*78.0-120*				

Method Blank (MB)

(MB) R4055014-2 04/05/24 07:26

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
2-Hexanone	U		0.000787	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
tert-Butyl alcohol	U		0.00406	0.00500
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100

Method Blank (MB)

(MB) R4055014-2 04/05/24 07:26

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
o-Xylene	U		0.000174	0.00100
m&p-Xylene	U		0.000430	0.00200
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*105*			*80.0-120*
(S) 4-Bromofluorobenzene	*92.2*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*99.6*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4055014-1 04/05/24 06:44

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.0250	0.0279	112	19.0-160	
Benzene	0.00500	0.00553	111	70.0-123	
Bromodichloromethane	0.00500	0.00550	110	75.0-120	
Bromoform	0.00500	0.00460	92.0	68.0-132	
Bromomethane	0.00500	0.00138	27.6	10.0-160	
n-Butylbenzene	0.00500	0.00405	81.0	73.0-125	
sec-Butylbenzene	0.00500	0.00495	99.0	75.0-125	
Carbon disulfide	0.00500	0.00440	88.0	61.0-128	
Carbon tetrachloride	0.00500	0.00510	102	68.0-126	
Chlorobenzene	0.00500	0.00544	109	80.0-121	
Chlorodibromomethane	0.00500	0.00549	110	77.0-125	
Chloroethane	0.00500	0.00627	125	47.0-150	
Chloroform	0.00500	0.00560	112	73.0-120	
Chloromethane	0.00500	0.00473	94.6	41.0-142	
1,2-Dibromoethane	0.00500	0.00520	104	80.0-122	
1,1-Dichloroethane	0.00500	0.00571	114	70.0-126	
1,2-Dichloroethane	0.00500	0.00600	120	70.0-128	
1,1-Dichloroethene	0.00500	0.00487	97.4	71.0-124	
cis-1,2-Dichloroethene	0.00500	0.00547	109	73.0-120	
trans-1,2-Dichloroethene	0.00500	0.00530	106	73.0-120	
1,2-Dichloropropane	0.00500	0.00556	111	77.0-125	
cis-1,3-Dichloropropene	0.00500	0.00489	97.8	80.0-123	

Laboratory Control Sample (LCS)

(LCS) R4055014-1 04/05/24 06:44

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
trans-1,3-Dichloropropene	0.00500	0.00468	93.6	78.0-124	
Ethylbenzene	0.00500	0.00535	107	79.0-123	
Isopropylbenzene	0.00500	0.00515	103	76.0-127	
p-Isopropyltoluene	0.00500	0.00458	91.6	76.0-125	
2-Butanone (MEK)	0.0250	0.0269	108	44.0-160	
2-Hexanone	0.0250	0.0250	100	67.0-149	
Methylene Chloride	0.00500	0.00523	105	67.0-120	
4-Methyl-2-pentanone (MIBK)	0.0250	0.0312	125	68.0-142	
Methyl tert-butyl ether	0.00500	0.00556	111	68.0-125	
Naphthalene	0.00500	0.00367	73.4	54.0-135	
n-Propylbenzene	0.00500	0.00505	101	77.0-124	
Styrene	0.00500	0.00427	85.4	73.0-130	
tert-Butyl alcohol	0.0250	0.0250	100	27.0-160	
1,1,1,2-Tetrachloroethane	0.00500	0.00522	104	75.0-125	
1,1,2,2-Tetrachloroethane	0.00500	0.00486	97.2	65.0-130	
Tetrachloroethene	0.00500	0.00538	108	72.0-132	
Toluene	0.00500	0.00548	110	79.0-120	
1,1,1-Trichloroethane	0.00500	0.00528	106	73.0-124	
1,1,2-Trichloroethane	0.00500	0.00561	112	80.0-120	
Trichloroethene	0.00500	0.00573	115	78.0-124	
1,2,4-Trimethylbenzene	0.00500	0.00461	92.2	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00492	98.4	76.0-122	
Vinyl chloride	0.00500	0.00571	114	67.0-131	
o-Xylene	0.00500	0.00522	104	80.0-122	
m&p-Xylene	0.0100	0.0105	105	80.0-122	
Xylenes, Total	0.0150	0.0157	105	79.0-123	
(S) Toluene-d8			*102*	*80.0-120*	
(S) 4-Bromofluorobenzene			*91.4*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*99.6*	*70.0-130*	

Method Blank (MB)

(MB) R4054846-2 04/05/24 22:12

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
2-Hexanone	U		0.000787	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
tert-Butyl alcohol	U		0.00406	0.00500
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100

Method Blank (MB)

(MB) R4054846-2 04/05/24 22:12

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
o-Xylene	U		0.000174	0.00100
m&p-Xylene	U		0.000430	0.00200
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*108*			*80.0-120*
(S) 4-Bromofluorobenzene	*93.8*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*94.8*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4054846-1 04/05/24 21:30

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.0250	0.0217	86.8	19.0-160	
Benzene	0.00500	0.00545	109	70.0-123	
Bromodichloromethane	0.00500	0.00482	96.4	75.0-120	
Bromoform	0.00500	0.00453	90.6	68.0-132	
Bromomethane	0.00500	0.00666	133	10.0-160	
n-Butylbenzene	0.00500	0.00507	101	73.0-125	
sec-Butylbenzene	0.00500	0.00543	109	75.0-125	
Carbon disulfide	0.00500	0.00612	122	61.0-128	
Carbon tetrachloride	0.00500	0.00535	107	68.0-126	
Chlorobenzene	0.00500	0.00522	104	80.0-121	
Chlorodibromomethane	0.00500	0.00492	98.4	77.0-125	
Chloroethane	0.00500	0.00660	132	47.0-150	
Chloroform	0.00500	0.00534	107	73.0-120	
Chloromethane	0.00500	0.00520	104	41.0-142	
1,2-Dibromoethane	0.00500	0.00468	93.6	80.0-122	
1,1-Dichloroethane	0.00500	0.00568	114	70.0-126	
1,2-Dichloroethane	0.00500	0.00464	92.8	70.0-128	
1,1-Dichloroethene	0.00500	0.00588	118	71.0-124	
cis-1,2-Dichloroethene	0.00500	0.00575	115	73.0-120	
trans-1,2-Dichloroethene	0.00500	0.00600	120	73.0-120	
1,2-Dichloropropane	0.00500	0.00501	100	77.0-125	
cis-1,3-Dichloropropene	0.00500	0.00454	90.8	80.0-123	

Laboratory Control Sample (LCS)

(LCS) R4054846-1 04/05/24 21:30

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
trans-1,3-Dichloropropene	0.00500	0.00468	93.6	78.0-124	
Ethylbenzene	0.00500	0.00533	107	79.0-123	
Isopropylbenzene	0.00500	0.00526	105	76.0-127	
p-Isopropyltoluene	0.00500	0.00532	106	76.0-125	
2-Butanone (MEK)	0.0250	0.0205	82.0	44.0-160	
2-Hexanone	0.0250	0.0229	91.6	67.0-149	
Methylene Chloride	0.00500	0.00560	112	67.0-120	
4-Methyl-2-pentanone (MIBK)	0.0250	0.0219	87.6	68.0-142	
Methyl tert-butyl ether	0.00500	0.00525	105	68.0-125	
Naphthalene	0.00500	0.00329	65.8	54.0-135	
n-Propylbenzene	0.00500	0.00549	110	77.0-124	
Styrene	0.00500	0.00515	103	73.0-130	
tert-Butyl alcohol	0.0250	0.0175	70.0	27.0-160	
1,1,1,2-Tetrachloroethane	0.00500	0.00503	101	75.0-125	
1,1,2,2-Tetrachloroethane	0.00500	0.00541	108	65.0-130	
Tetrachloroethene	0.00500	0.00534	107	72.0-132	
Toluene	0.00500	0.00548	110	79.0-120	
1,1,1-Trichloroethane	0.00500	0.00534	107	73.0-124	
1,1,2-Trichloroethane	0.00500	0.00495	99.0	80.0-120	
Trichloroethene	0.00500	0.00488	97.6	78.0-124	
1,2,4-Trimethylbenzene	0.00500	0.00537	107	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00533	107	76.0-122	
Vinyl chloride	0.00500	0.00476	95.2	67.0-131	
o-Xylene	0.00500	0.00524	105	80.0-122	
m&p-Xylene	0.0100	0.0109	109	80.0-122	
Xylenes, Total	0.0150	0.0161	107	79.0-123	
(S) Toluene-d8			*105*	*80.0-120*	
(S) 4-Bromofluorobenzene			*96.0*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*92.8*	*70.0-130*	

Method Blank (MB)

(MB) R4055196-3 04/05/24 23:02

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
2-Hexanone	U		0.000787	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
tert-Butyl alcohol	U		0.00406	0.00500
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100

Method Blank (MB)

(MB) R4055196-3 04/05/24 23:02

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
o-Xylene	U		0.000174	0.00100
m&p-Xylene	U		0.000430	0.00200
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*110*			*80.0-120*
(S) 4-Bromofluorobenzene	*95.1*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*86.3*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4055196-1 04/05/24 21:40 • (LCSD) R4055196-2 04/05/24 22:00

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.0250	0.0208	0.0197	83.2	78.8	19.0-160			5.43	27
Benzene	0.00500	0.00439	0.00447	87.8	89.4	70.0-123			1.81	20
Bromodichloromethane	0.00500	0.00461	0.00464	92.2	92.8	75.0-120			0.649	20
Bromoform	0.00500	0.00433	0.00460	86.6	92.0	68.0-132			6.05	20
Bromomethane	0.00500	0.00238	0.00265	47.6	53.0	10.0-160			10.7	25
n-Butylbenzene	0.00500	0.00512	0.00513	102	103	73.0-125			0.195	20
sec-Butylbenzene	0.00500	0.00486	0.00512	97.2	102	75.0-125			5.21	20
Carbon disulfide	0.00500	0.00404	0.00399	80.8	79.8	61.0-128			1.25	20
Carbon tetrachloride	0.00500	0.00514	0.00536	103	107	68.0-126			4.19	20
Chlorobenzene	0.00500	0.00574	0.00600	115	120	80.0-121			4.43	20
Chlorodibromomethane	0.00500	0.00516	0.00558	103	112	77.0-125			7.82	20
Chloroethane	0.00500	0.00389	0.00423	77.8	84.6	47.0-150			8.37	20
Chloroform	0.00500	0.00438	0.00459	87.6	91.8	73.0-120			4.68	20
Chloromethane	0.00500	0.00428	0.00454	85.6	90.8	41.0-142			5.90	20
1,2-Dibromoethane	0.00500	0.00494	0.00526	98.8	105	80.0-122			6.27	20
1,1-Dichloroethane	0.00500	0.00447	0.00460	89.4	92.0	70.0-126			2.87	20
1,2-Dichloroethane	0.00500	0.00391	0.00412	78.2	82.4	70.0-128			5.23	20
1,1-Dichloroethene	0.00500	0.00471	0.00467	94.2	93.4	71.0-124			0.853	20
cis-1,2-Dichloroethene	0.00500	0.00499	0.00500	99.8	100	73.0-120			0.200	20
trans-1,2-Dichloroethene	0.00500	0.00472	0.00493	94.4	98.6	73.0-120			4.35	20
1,2-Dichloropropane	0.00500	0.00425	0.00440	85.0	88.0	77.0-125			3.47	20
cis-1,3-Dichloropropene	0.00500	0.00422	0.00446	84.4	89.2	80.0-123			5.53	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4055196-1 04/05/24 21:40 • (LCSD) R4055196-2 04/05/24 22:00

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
trans-1,3-Dichloropropene	0.00500	0.00468	0.00480	93.6	96.0	78.0-124			2.53	20
Ethylbenzene	0.00500	0.00536	0.00570	107	114	79.0-123			6.15	20
Isopropylbenzene	0.00500	0.00501	0.00547	100	109	76.0-127			8.78	20
p-Isopropyltoluene	0.00500	0.00512	0.00514	102	103	76.0-125			0.390	20
2-Butanone (MEK)	0.0250	0.0183	0.0180	73.2	72.0	44.0-160			1.65	20
2-Hexanone	0.0250	0.0185	0.0182	74.0	72.8	67.0-149			1.63	20
Methylene Chloride	0.00500	0.00437	0.00439	87.4	87.8	67.0-120			0.457	20
4-Methyl-2-pentanone (MIBK)	0.0250	0.0196	0.0196	78.4	78.4	68.0-142			0.000	20
Methyl tert-butyl ether	0.00500	0.00414	0.00421	82.8	84.2	68.0-125			1.68	20
Naphthalene	0.00500	0.00384	0.00403	76.8	80.6	54.0-135			4.83	20
n-Propylbenzene	0.00500	0.00491	0.00517	98.2	103	77.0-124			5.16	20
Styrene	0.00500	0.00519	0.00516	104	103	73.0-130			0.580	20
tert-Butyl alcohol	0.0250	0.0182	0.0170	72.8	68.0	27.0-160			6.82	30
1,1,1,2-Tetrachloroethane	0.00500	0.00546	0.00560	109	112	75.0-125			2.53	20
1,1,2,2-Tetrachloroethane	0.00500	0.00462	0.00460	92.4	92.0	65.0-130			0.434	20
Tetrachloroethene	0.00500	0.00551	0.00588	110	118	72.0-132			6.50	20
Toluene	0.00500	0.00528	0.00534	106	107	79.0-120			1.13	20
1,1,1-Trichloroethane	0.00500	0.00470	0.00476	94.0	95.2	73.0-124			1.27	20
1,1,2-Trichloroethane	0.00500	0.00510	0.00532	102	106	80.0-120			4.22	20
Trichloroethene	0.00500	0.00540	0.00552	108	110	78.0-124			2.20	20
1,2,4-Trimethylbenzene	0.00500	0.00489	0.00515	97.8	103	76.0-121			5.18	20
1,3,5-Trimethylbenzene	0.00500	0.00482	0.00512	96.4	102	76.0-122			6.04	20
Vinyl chloride	0.00500	0.00408	0.00417	81.6	83.4	67.0-131			2.18	20
o-Xylene	0.00500	0.00508	0.00538	102	108	80.0-122			5.74	20
m&p-Xylene	0.0100	0.0108	0.0109	108	109	80.0-122			0.922	20
Xylenes, Total	0.0150	0.0159	0.0163	106	109	79.0-123			2.48	20
(S) Toluene-d8				*108*	*108*	*80.0-120*				
(S) 4-Bromofluorobenzene				*94.9*	*96.4*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*87.0*	*86.3*	*70.0-130*				

Method Blank (MB)

(MB) R4055071-2 04/06/24 10:26

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
2-Hexanone	U		0.000787	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
tert-Butyl alcohol	U		0.00406	0.00500
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100

Method Blank (MB)

(MB) R4055071-2 04/06/24 10:26

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
o-Xylene	U		0.000174	0.00100
m&p-Xylene	U		0.000430	0.00200
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*99.0*			*80.0-120*
(S) 4-Bromofluorobenzene	*89.4*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*125*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4055071-1 04/06/24 09:21 • (LCSD) R4055071-3 04/06/24 10:48

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.0250	0.0352	0.0336	141	134	19.0-160			4.65	27
Benzene	0.00500	0.00487	0.00447	97.4	89.4	70.0-123			8.57	20
Bromodichloromethane	0.00500	0.00560	0.00550	112	110	75.0-120			1.80	20
Bromoform	0.00500	0.00511	0.00497	102	99.4	68.0-132			2.78	20
Bromomethane	0.00500	0.00561	0.00519	112	104	10.0-160			7.78	25
n-Butylbenzene	0.00500	0.00420	0.00415	84.0	83.0	73.0-125			1.20	20
sec-Butylbenzene	0.00500	0.00472	0.00436	94.4	87.2	75.0-125			7.93	20
Carbon disulfide	0.00500	0.00448	0.00455	89.6	91.0	61.0-128			1.55	20
Carbon tetrachloride	0.00500	0.00621	0.00600	124	120	68.0-126			3.44	20
Chlorobenzene	0.00500	0.00469	0.00439	93.8	87.8	80.0-121			6.61	20
Chlorodibromomethane	0.00500	0.00511	0.00451	102	90.2	77.0-125			12.5	20
Chloroethane	0.00500	0.00628	0.00618	126	124	47.0-150			1.61	20
Chloroform	0.00500	0.00529	0.00518	106	104	73.0-120			2.10	20
Chloromethane	0.00500	0.00554	0.00532	111	106	41.0-142			4.05	20
1,2-Dibromoethane	0.00500	0.00447	0.00453	89.4	90.6	80.0-122			1.33	20
1,1-Dichloroethane	0.00500	0.00537	0.00495	107	99.0	70.0-126			8.14	20
1,2-Dichloroethane	0.00500	0.00611	0.00625	122	125	70.0-128			2.27	20
1,1-Dichloroethene	0.00500	0.00457	0.00471	91.4	94.2	71.0-124			3.02	20
cis-1,2-Dichloroethene	0.00500	0.00507	0.00465	101	93.0	73.0-120			8.64	20
trans-1,2-Dichloroethene	0.00500	0.00501	0.00495	100	99.0	73.0-120			1.20	20
1,2-Dichloropropane	0.00500	0.00519	0.00486	104	97.2	77.0-125			6.57	20
cis-1,3-Dichloropropene	0.00500	0.00502	0.00481	100	96.2	80.0-123			4.27	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4055071-1 04/06/24 09:21 • (LCSD) R4055071-3 04/06/24 10:48

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
trans-1,3-Dichloropropene	0.00500	0.00488	0.00500	97.6	100	78.0-124			2.43	20
Ethylbenzene	0.00500	0.00449	0.00439	89.8	87.8	79.0-123			2.25	20
Isopropylbenzene	0.00500	0.00458	0.00443	91.6	88.6	76.0-127			3.33	20
p-Isopropyltoluene	0.00500	0.00479	0.00470	95.8	94.0	76.0-125			1.90	20
2-Butanone (MEK)	0.0250	0.0327	0.0323	131	129	44.0-160			1.23	20
2-Hexanone	0.0250	0.0252	0.0234	101	93.6	67.0-149			7.41	20
Methylene Chloride	0.00500	0.00467	0.00446	93.4	89.2	67.0-120			4.60	20
4-Methyl-2-pentanone (MIBK)	0.0250	0.0298	0.0288	119	115	68.0-142			3.41	20
Methyl tert-butyl ether	0.00500	0.00499	0.00482	99.8	96.4	68.0-125			3.47	20
Naphthalene	0.00500	0.00365	0.00347	73.0	69.4	54.0-135			5.06	20
n-Propylbenzene	0.00500	0.00448	0.00429	89.6	85.8	77.0-124			4.33	20
Styrene	0.00500	0.00424	0.00423	84.8	84.6	73.0-130			0.236	20
tert-Butyl alcohol	0.0250	0.0365	0.0369	146	148	27.0-160			1.09	30
1,1,1,2-Tetrachloroethane	0.00500	0.00533	0.00534	107	107	75.0-125			0.187	20
1,1,2,2-Tetrachloroethane	0.00500	0.00497	0.00441	99.4	88.2	65.0-130			11.9	20
Tetrachloroethene	0.00500	0.00495	0.00468	99.0	93.6	72.0-132			5.61	20
Toluene	0.00500	0.00465	0.00427	93.0	85.4	79.0-120			8.52	20
1,1,1-Trichloroethane	0.00500	0.00609	0.00602	122	120	73.0-124			1.16	20
1,1,2-Trichloroethane	0.00500	0.00499	0.00466	99.8	93.2	80.0-120			6.84	20
Trichloroethene	0.00500	0.00523	0.00500	105	100	78.0-124			4.50	20
1,2,4-Trimethylbenzene	0.00500	0.00480	0.00440	96.0	88.0	76.0-121			8.70	20
1,3,5-Trimethylbenzene	0.00500	0.00493	0.00457	98.6	91.4	76.0-122			7.58	20
Vinyl chloride	0.00500	0.00529	0.00488	106	97.6	67.0-131			8.06	20
o-Xylene	0.00500	0.00484	0.00437	96.8	87.4	80.0-122			10.2	20
m&p-Xylene	0.0100	0.00931	0.00859	93.1	85.9	80.0-122			8.04	20
Xylenes, Total	0.0150	0.0141	0.0130	94.0	86.7	79.0-123			8.12	20
(S) Toluene-d8				*97.1*	*95.6*	*80.0-120*				
(S) 4-Bromofluorobenzene				*91.7*	*94.3*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*120*	*123*	*70.0-130*				

L1722383-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1722383-01 04/06/24 16:53 • (MS) R4055071-4 04/06/24 20:54 • (MSD) R4055071-5 04/06/24 21:16

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.0250	U	0.0357	0.0366	143	146	1	10.0-160			2.49	35
Benzene	0.00500	0.000152	0.00477	0.00405	92.4	78.0	1	17.0-158			16.3	27
Bromodichloromethane	0.00500	U	0.00584	0.00523	117	105	1	31.0-150			11.0	27
Bromoform	0.00500	U	0.00590	0.00522	118	104	1	29.0-150			12.2	29

L1722383-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1722383-01 04/06/24 16:53 • (MS) R4055071-4 04/06/24 20:54 • (MSD) R4055071-5 04/06/24 21:16

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Bromomethane	0.00500	U	0.00478	0.00506	95.6	101	1	10.0-160			5.69	38
n-Butylbenzene	0.00500	U	0.00424	0.00427	84.8	85.4	1	31.0-150			0.705	30
sec-Butylbenzene	0.00500	U	0.00479	0.00421	95.8	84.2	1	33.0-155			12.9	29
Carbon disulfide	0.00500	U	0.00345	0.00319	69.0	63.8	1	10.0-156			7.83	28
Carbon tetrachloride	0.00500	U	0.00663	0.00612	133	122	1	23.0-159			8.00	28
Chlorobenzene	0.00500	U	0.00470	0.00423	94.0	84.6	1	33.0-152			10.5	27
Chlorodibromomethane	0.00500	U	0.00522	0.00494	104	98.8	1	37.0-149			5.51	27
Chloroethane	0.00500	U	0.00521	0.00558	104	112	1	10.0-160			6.86	30
Chloroform	0.00500	U	0.00604	0.00554	121	111	1	29.0-154			8.64	28
Chloromethane	0.00500	U	0.00399	0.00347	79.8	69.4	1	10.0-160			13.9	29
1,2-Dibromoethane	0.00500	U	0.00458	0.00403	91.6	80.6	1	34.0-147			12.8	27
1,1-Dichloroethane	0.00500	U	0.00498	0.00442	99.6	88.4	1	25.0-158			11.9	27
1,2-Dichloroethane	0.00500	0.00339	0.00964	0.00886	125	109	1	29.0-151			8.43	27
1,1-Dichloroethene	0.00500	U	0.00436	0.00413	87.2	82.6	1	11.0-160			5.42	29
cis-1,2-Dichloroethene	0.00500	U	0.00474	0.00439	94.8	87.8	1	10.0-160			7.67	27
trans-1,2-Dichloroethene	0.00500	U	0.00427	0.00399	85.4	79.8	1	17.0-153			6.78	27
1,2-Dichloropropane	0.00500	U	0.00433	0.00408	86.6	81.6	1	30.0-156			5.95	27
cis-1,3-Dichloropropene	0.00500	U	0.00490	0.00418	98.0	83.6	1	34.0-149			15.9	28
trans-1,3-Dichloropropene	0.00500	U	0.00490	0.00418	98.0	83.6	1	32.0-149			15.9	28
Ethylbenzene	0.00500	U	0.00482	0.00426	96.4	85.2	1	30.0-155			12.3	27
Isopropylbenzene	0.00500	U	0.00487	0.00447	97.4	89.4	1	28.0-157			8.57	27
p-Isopropyltoluene	0.00500	U	0.00507	0.00428	101	85.6	1	30.0-154			16.9	29
2-Butanone (MEK)	0.0250	U	0.0282	0.0265	113	106	1	10.0-160			6.22	32
2-Hexanone	0.0250	0.00221	0.0266	0.0271	97.6	99.6	1	21.0-160			1.86	29
Methylene Chloride	0.00500	U	0.00420	0.00395	84.0	79.0	1	23.0-144			6.13	28
4-Methyl-2-pentanone (MIBK)	0.0250	0.00532	0.0314	0.0301	104	99.1	1	29.0-160			4.23	29
Methyl tert-butyl ether	0.00500	0.00119	0.00588	0.00615	93.8	99.2	1	28.0-150			4.49	29
Naphthalene	0.00500	U	0.00394	0.00391	78.8	78.2	1	12.0-156			0.764	35
n-Propylbenzene	0.00500	U	0.00445	0.00386	89.0	77.2	1	31.0-154			14.2	28
Styrene	0.00500	U	0.00461	0.00431	92.2	86.2	1	33.0-155			6.73	28
tert-Butyl alcohol	0.0250	0.00430	0.0350	0.0373	123	132	1	50.0-150			6.36	20
1,1,1,2-Tetrachloroethane	0.00500	U	0.00535	0.00496	107	99.2	1	36.0-151			7.57	29
1,1,2,2-Tetrachloroethane	0.00500	U	0.00463	0.00429	92.6	85.8	1	33.0-150			7.62	28
Tetrachloroethene	0.00500	U	0.00482	0.00434	96.4	86.8	1	10.0-160			10.5	27
Toluene	0.00500	U	0.00446	0.00392	89.2	78.4	1	26.0-154			12.9	28
1,1,1-Trichloroethane	0.00500	U	0.00615	0.00577	123	115	1	23.0-160			6.38	28
1,1,2-Trichloroethane	0.00500	U	0.00497	0.00453	99.4	90.6	1	35.0-147			9.26	27
Trichloroethene	0.00500	U	0.00519	0.00465	104	93.0	1	10.0-160			11.0	25
1,2,4-Trimethylbenzene	0.00500	0.000550	0.00508	0.00484	90.6	85.8	1	26.0-154			4.84	27
1,3,5-Trimethylbenzene	0.00500	0.000369	0.00532	0.00480	99.0	88.6	1	28.0-153			10.3	27

L1722383-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1722383-01 04/06/24 16:53 • (MS) R4055071-4 04/06/24 20:54 • (MSD) R4055071-5 04/06/24 21:16

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Vinyl chloride	0.00500	U	0.00478	0.00449	95.6	89.8	1	10.0-160			6.26	27
o-Xylene	0.00500	0.000441	0.00490	0.00470	89.2	85.2	1	45.0-144			4.17	26
m&p-Xylene	0.0100	0.000647	0.0101	0.00883	94.5	81.8	1	43.0-146			13.4	26
Xylenes, Total	0.0150	0.00109	0.0150	0.0135	92.7	82.7	1	29.0-154			10.5	28
(S) Toluene-d8					*96.7*	*98.1*		*80.0-120*				
(S) 4-Bromofluorobenzene					*95.4*	*94.8*		*77.0-126*				
(S) 1,2-Dichloroethane-d4					*129*	*130*		*70.0-130*				

Method Blank (MB)

(MB) R4054928-4 04/06/24 10:41

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	0.000116	J	0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
2-Hexanone	U		0.000787	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
tert-Butyl alcohol	U		0.00406	0.00500
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100

Method Blank (MB)

(MB) R4054928-4 04/06/24 10:41

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
o-Xylene	U		0.000174	0.00100
m&p-Xylene	U		0.000430	0.00200
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*106*			*80.0-120*
(S) 4-Bromofluorobenzene	*90.5*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*85.2*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4054928-1 04/06/24 09:19 • (LCSD) R4054928-2 04/06/24 09:40

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.0250	0.0195	0.0191	78.0	76.4	19.0-160			2.07	27
Benzene	0.00500	0.00437	0.00419	87.4	83.8	70.0-123			4.21	20
Bromodichloromethane	0.00500	0.00452	0.00443	90.4	88.6	75.0-120			2.01	20
Bromoform	0.00500	0.00437	0.00432	87.4	86.4	68.0-132			1.15	20
Bromomethane	0.00500	0.00211	0.00231	42.2	46.2	10.0-160			9.05	25
n-Butylbenzene	0.00500	0.00530	0.00507	106	101	73.0-125			4.44	20
sec-Butylbenzene	0.00500	0.00500	0.00490	100	98.0	75.0-125			2.02	20
Carbon disulfide	0.00500	0.00429	0.00395	85.8	79.0	61.0-128			8.25	20
Carbon tetrachloride	0.00500	0.00507	0.00482	101	96.4	68.0-126			5.06	20
Chlorobenzene	0.00500	0.00564	0.00538	113	108	80.0-121			4.72	20
Chlorodibromomethane	0.00500	0.00493	0.00519	98.6	104	77.0-125			5.14	20
Chloroethane	0.00500	0.00368	0.00366	73.6	73.2	47.0-150			0.545	20
Chloroform	0.00500	0.00460	0.00432	92.0	86.4	73.0-120			6.28	20
Chloromethane	0.00500	0.00405	0.00521	81.0	104	41.0-142		J3	25.1	20
1,2-Dibromoethane	0.00500	0.00481	0.00477	96.2	95.4	80.0-122			0.835	20
1,1-Dichloroethane	0.00500	0.00443	0.00422	88.6	84.4	70.0-126			4.86	20
1,2-Dichloroethane	0.00500	0.00398	0.00393	79.6	78.6	70.0-128			1.26	20
1,1-Dichloroethene	0.00500	0.00469	0.00437	93.8	87.4	71.0-124			7.06	20
cis-1,2-Dichloroethene	0.00500	0.00499	0.00483	99.8	96.6	73.0-120			3.26	20
trans-1,2-Dichloroethene	0.00500	0.00476	0.00446	95.2	89.2	73.0-120			6.51	20
1,2-Dichloropropane	0.00500	0.00424	0.00412	84.8	82.4	77.0-125			2.87	20
cis-1,3-Dichloropropene	0.00500	0.00439	0.00423	87.8	84.6	80.0-123			3.71	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4054928-1 04/06/24 09:19 • (LCSD) R4054928-2 04/06/24 09:40

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
trans-1,3-Dichloropropene	0.00500	0.00453	0.00463	90.6	92.6	78.0-124			2.18	20
Ethylbenzene	0.00500	0.00534	0.00523	107	105	79.0-123			2.08	20
Isopropylbenzene	0.00500	0.00510	0.00488	102	97.6	76.0-127			4.41	20
p-Isopropyltoluene	0.00500	0.00527	0.00509	105	102	76.0-125			3.47	20
2-Butanone (MEK)	0.0250	0.0164	0.0167	65.6	66.8	44.0-160			1.81	20
2-Hexanone	0.0250	0.0169	0.0174	67.6	69.6	67.0-149			2.92	20
Methylene Chloride	0.00500	0.00428	0.00416	85.6	83.2	67.0-120			2.84	20
4-Methyl-2-pentanone (MIBK)	0.0250	0.0183	0.0181	73.2	72.4	68.0-142			1.10	20
Methyl tert-butyl ether	0.00500	0.00401	0.00399	80.2	79.8	68.0-125			0.500	20
Naphthalene	0.00500	0.00343	0.00353	68.6	70.6	54.0-135			2.87	20
n-Propylbenzene	0.00500	0.00495	0.00480	99.0	96.0	77.0-124			3.08	20
Styrene	0.00500	0.00512	0.00496	102	99.2	73.0-130			3.17	20
tert-Butyl alcohol	0.0250	0.0147	0.0165	58.8	66.0	27.0-160			11.5	30
1,1,1,2-Tetrachloroethane	0.00500	0.00564	0.00548	113	110	75.0-125			2.88	20
1,1,2,2-Tetrachloroethane	0.00500	0.00477	0.00447	95.4	89.4	65.0-130			6.49	20
Tetrachloroethene	0.00500	0.00561	0.00517	112	103	72.0-132			8.16	20
Toluene	0.00500	0.00513	0.00499	103	99.8	79.0-120			2.77	20
1,1,1-Trichloroethane	0.00500	0.00464	0.00454	92.8	90.8	73.0-124			2.18	20
1,1,2-Trichloroethane	0.00500	0.00500	0.00490	100	98.0	80.0-120			2.02	20
Trichloroethene	0.00500	0.00527	0.00508	105	102	78.0-124			3.67	20
1,2,4-Trimethylbenzene	0.00500	0.00482	0.00481	96.4	96.2	76.0-121			0.208	20
1,3,5-Trimethylbenzene	0.00500	0.00487	0.00475	97.4	95.0	76.0-122			2.49	20
Vinyl chloride	0.00500	0.00410	0.00400	82.0	80.0	67.0-131			2.47	20
o-Xylene	0.00500	0.00497	0.00474	99.4	94.8	80.0-122			4.74	20
m&p-Xylene	0.0100	0.0108	0.0101	108	101	80.0-122			6.70	20
Xylenes, Total	0.0150	0.0158	0.0148	105	98.7	79.0-123			6.54	20
(S) Toluene-d8				*107*	*105*	*80.0-120*				
(S) 4-Bromofluorobenzene				*93.7*	*92.5*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*86.7*	*87.7*	*70.0-130*				

Method Blank (MB)

(MB) R4056175-3 04/09/24 00:44

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
2-Hexanone	U		0.000787	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
tert-Butyl alcohol	U		0.00406	0.00500
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100

Method Blank (MB)

(MB) R4056175-3 04/09/24 00:44

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
o-Xylene	U		0.000174	0.00100
m&p-Xylene	U		0.000430	0.00200
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*96.0*			*80.0-120*
(S) 4-Bromofluorobenzene	*92.0*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*119*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4056175-1 04/08/24 23:38 • (LCSD) R4056175-2 04/09/24 00:00

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.0250	0.0225	0.0278	90.0	111	19.0-160			21.1	27
Benzene	0.00500	0.00507	0.00488	101	97.6	70.0-123			3.82	20
Bromodichloromethane	0.00500	0.00609	0.00605	122	121	75.0-120	J4	J4	0.659	20
Bromoform	0.00500	0.00553	0.00569	111	114	68.0-132			2.85	20
Bromomethane	0.00500	0.00692	0.00680	138	136	10.0-160			1.75	25
n-Butylbenzene	0.00500	0.00380	0.00446	76.0	89.2	73.0-125			16.0	20
sec-Butylbenzene	0.00500	0.00487	0.00454	97.4	90.8	75.0-125			7.01	20
Carbon disulfide	0.00500	0.00497	0.00529	99.4	106	61.0-128			6.24	20
Carbon tetrachloride	0.00500	0.00636	0.00554	127	111	68.0-126	J4		13.8	20
Chlorobenzene	0.00500	0.00468	0.00493	93.6	98.6	80.0-121			5.20	20
Chlorodibromomethane	0.00500	0.00495	0.00501	99.0	100	77.0-125			1.20	20
Chloroethane	0.00500	0.00752	0.00710	150	142	47.0-150			5.75	20
Chloroform	0.00500	0.00588	0.00540	118	108	73.0-120			8.51	20
Chloromethane	0.00500	0.00449	0.00492	89.8	98.4	41.0-142			9.14	20
1,2-Dibromoethane	0.00500	0.00479	0.00477	95.8	95.4	80.0-122			0.418	20
1,1-Dichloroethane	0.00500	0.00527	0.00481	105	96.2	70.0-126			9.13	20
1,2-Dichloroethane	0.00500	0.00618	0.00621	124	124	70.0-128			0.484	20
1,1-Dichloroethene	0.00500	0.00495	0.00575	99.0	115	71.0-124			15.0	20
cis-1,2-Dichloroethene	0.00500	0.00486	0.00475	97.2	95.0	73.0-120			2.29	20
trans-1,2-Dichloroethene	0.00500	0.00488	0.00493	97.6	98.6	73.0-120			1.02	20
1,2-Dichloropropane	0.00500	0.00471	0.00498	94.2	99.6	77.0-125			5.57	20
cis-1,3-Dichloropropene	0.00500	0.00578	0.00563	116	113	80.0-123			2.63	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4056175-1 04/08/24 23:38 • (LCSD) R4056175-2 04/09/24 00:00

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
trans-1,3-Dichloropropene	0.00500	0.00537	0.00563	107	113	78.0-124			4.73	20
Ethylbenzene	0.00500	0.00447	0.00466	89.4	93.2	79.0-123			4.16	20
Isopropylbenzene	0.00500	0.00440	0.00441	88.0	88.2	76.0-127			0.227	20
p-Isopropyltoluene	0.00500	0.00503	0.00504	101	101	76.0-125			0.199	20
2-Butanone (MEK)	0.0250	0.0285	0.0305	114	122	44.0-160			6.78	20
2-Hexanone	0.0250	0.0239	0.0245	95.6	98.0	67.0-149			2.48	20
Methylene Chloride	0.00500	0.00506	0.00471	101	94.2	67.0-120			7.16	20
4-Methyl-2-pentanone (MIBK)	0.0250	0.0253	0.0272	101	109	68.0-142			7.24	20
Methyl tert-butyl ether	0.00500	0.00502	0.00520	100	104	68.0-125			3.52	20
Naphthalene	0.00500	0.00332	0.00377	66.4	75.4	54.0-135			12.7	20
n-Propylbenzene	0.00500	0.00489	0.00473	97.8	94.6	77.0-124			3.33	20
Styrene	0.00500	0.00485	0.00506	97.0	101	73.0-130			4.24	20
tert-Butyl alcohol	0.0250	0.0196	0.0281	78.4	112	27.0-160		J3	35.6	30
1,1,1,2-Tetrachloroethane	0.00500	0.00508	0.00482	102	96.4	75.0-125			5.25	20
1,1,2,2-Tetrachloroethane	0.00500	0.00480	0.00544	96.0	109	65.0-130			12.5	20
Tetrachloroethene	0.00500	0.00576	0.00535	115	107	72.0-132			7.38	20
Toluene	0.00500	0.00497	0.00484	99.4	96.8	79.0-120			2.65	20
1,1,1-Trichloroethane	0.00500	0.00600	0.00541	120	108	73.0-124			10.3	20
1,1,2-Trichloroethane	0.00500	0.00451	0.00495	90.2	99.0	80.0-120			9.30	20
Trichloroethene	0.00500	0.00547	0.00532	109	106	78.0-124			2.78	20
1,2,4-Trimethylbenzene	0.00500	0.00481	0.00464	96.2	92.8	76.0-121			3.60	20
1,3,5-Trimethylbenzene	0.00500	0.00479	0.00474	95.8	94.8	76.0-122			1.05	20
Vinyl chloride	0.00500	0.00583	0.00564	117	113	67.0-131			3.31	20
o-Xylene	0.00500	0.00462	0.00413	92.4	82.6	80.0-122			11.2	20
m&p-Xylene	0.0100	0.0100	0.00911	100	91.1	80.0-122			9.31	20
Xylenes, Total	0.0150	0.0146	0.0132	97.3	88.0	79.0-123			10.1	20
(S) Toluene-d8				*92.1*	*91.8*	*80.0-120*				
(S) 4-Bromofluorobenzene				*89.8*	*91.1*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*111*	*112*	*70.0-130*				

Method Blank (MB)

(MB) R4055412-4 04/08/24 19:20

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Isopropylbenzene	U		0.000105	0.00100
Methyl tert-butyl ether	U		0.000101	0.00100
n-Propylbenzene	U		0.0000993	0.00100
(S) Toluene-d8	*101*			*80.0-120*
(S) 4-Bromofluorobenzene	*102*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*114*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4055412-1 04/08/24 17:56 • (LCSD) R4055412-2 04/08/24 18:17

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.00500	0.00553	0.00538	111	108	70.0-123			2.75	20
sec-Butylbenzene	0.00500	0.00532	0.00532	106	106	75.0-125			0.000	20
Isopropylbenzene	0.00500	0.00510	0.00503	102	101	76.0-127			1.38	20
Methyl tert-butyl ether	0.00500	0.00566	0.00557	113	111	68.0-125			1.60	20
n-Propylbenzene	0.00500	0.00555	0.00541	111	108	77.0-124			2.55	20
(S) Toluene-d8				*99.1*	*101*	*80.0-120*				
(S) 4-Bromofluorobenzene				*102*	*99.9*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*118*	*119*	*70.0-130*				

Method Blank (MB)

(MB) R4055557-3 04/08/24 11:18

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
(S) Toluene-d8	*113*			*80.0-120*
(S) 4-Bromofluorobenzene	*90.1*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*76.2*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4055557-1 04/08/24 09:45 • (LCSD) R4055557-2 04/08/24 10:03

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.00500	0.00530	0.00501	106	100	70.0-123			5.63	20
(S) Toluene-d8				*109*	*106*	*80.0-120*				
(S) 4-Bromofluorobenzene				*88.9*	*85.4*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*78.7*	*81.3*	*70.0-130*				

Method Blank (MB)

(MB) R4056178-3 04/09/24 00:44

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Isopropylbenzene	U		0.000105	0.00100
Methyl tert-butyl ether	U		0.000101	0.00100
n-Propylbenzene	U		0.0000993	0.00100
tert-Butyl alcohol	U		0.00406	0.00500
(S) Toluene-d8	*96.0*			*80.0-120*
(S) 4-Bromofluorobenzene	*92.0*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*119*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4056178-1 04/08/24 23:38 • (LCSD) R4056178-2 04/09/24 00:00

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.00500	0.00507	0.00488	101	97.6	70.0-123			3.82	20
sec-Butylbenzene	0.00500	0.00487	0.00454	97.4	90.8	75.0-125			7.01	20
Isopropylbenzene	0.00500	0.00440	0.00441	88.0	88.2	76.0-127			0.227	20
Methyl tert-butyl ether	0.00500	0.00502	0.00520	100	104	68.0-125			3.52	20
n-Propylbenzene	0.00500	0.00489	0.00473	97.8	94.6	77.0-124			3.33	20
tert-Butyl alcohol	0.0250	0.0196	0.0281	78.4	112	27.0-160		J3	35.6	30
(S) Toluene-d8				*92.1*	*91.8*	*80.0-120*				
(S) 4-Bromofluorobenzene				*89.8*	*91.1*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*111*	*112*	*70.0-130*				

Method Blank (MB)

(MB) R4055964-3 04/09/24 20:02

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
(S) Toluene-d8	*112*			*80.0-120*
(S) 4-Bromofluorobenzene	*121*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4055964-1 04/09/24 19:05 • (LCSD) R4055964-2 04/09/24 19:24

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.00500	0.00521	0.00527	104	105	70.0-123			1.15	20
(S) Toluene-d8				*106*	*106*	*80.0-120*				
(S) 4-Bromofluorobenzene				*116*	*112*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*105*	*104*	*70.0-130*				

Method Blank (MB)

(MB) R4055419-1 04/09/24 00:44

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
(S) o-Terphenyl	*77.0*			*52.0-156*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4055419-2 04/09/24 01:04 • (LCSD) R4055419-3 04/09/24 01:25

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.52	1.58	101	105	50.0-150			3.87	20
(S) o-Terphenyl				*88.5*	*89.5*	*52.0-156*				

Semi-Volatile Organic Compounds (GC) by Method 3511/8015 L1721739-14,15,16,17,18,19,20,21,22,23,24,25,26,28,29,30,31,32,33,34

Method Blank (MB)

(MB) R4055985-1 04/09/24 23:25

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
(S) o-Terphenyl	*103*			*52.0-156*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4055985-2 04/09/24 23:46 • (LCSD) R4055985-3 04/10/24 00:06

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.97	1.92	131	128	50.0-150			2.57	20
(S) o-Terphenyl				*103*	*112*	*52.0-156*				

Semi-Volatile Organic Compounds (GC) by Method 3511/8015 L1721739-35,36,37,38,39,40,41,42,45,46,48,49,51,52,53,54,55,56,57,58

Method Blank (MB)

(MB) R4055990-1 04/10/24 00:27

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
(S) o-Terphenyl	*102*			*52.0-156*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4055990-2 04/10/24 06:39 • (LCSD) R4055990-3 04/10/24 06:59

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	2.10	2.18	140	145	50.0-150			3.74	20
(S) o-Terphenyl				*117*	*114*	*52.0-156*				

Method Blank (MB)

(MB) R4055845-1 04/09/24 22:44

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
(S) o-Terphenyl	*65.0*			*52.0-156*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4055845-2 04/09/24 23:04 • (LCSD) R4055845-3 04/09/24 23:24

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.59	1.64	106	109	50.0-150			3.10	20
(S) o-Terphenyl				*90.0*	*85.0*	*52.0-156*				

Received by OCD: 6/12/2025 1:19:15 PM

Method Blank (MB)

(MB) R4056916-3 04/11/24 18:59

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,4-Dioxane	0.0000981	J	0.0000447	0.000400
(S) Nitrobenzene-d5	*70.2*			*10.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4056916-1 04/11/24 18:21 • (LCSD) R4056916-2 04/11/24 18:40

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,4-Dioxane	0.0500	0.0568	0.0605	114	121	73.0-146			6.31	20
(S) Nitrobenzene-d5				*66.8*	*68.1*	*10.0-120*				

Released to Imaging: 6/17/2025 4:41:11 PM

Method Blank (MB)

(MB) R4055405-3 04/08/24 18:50

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acenaphthene	U		0.0000886	0.00100
Acenaphthylene	U		0.0000921	0.00100
Acetophenone	U		0.000208	0.0100
Anthracene	U		0.0000804	0.00100
Atrazine	U		0.000255	0.0100
Benzo(a)anthracene	U		0.000199	0.00100
Benzaldehyde	U		0.00169	0.0100
Benzo(b)fluoranthene	U		0.000130	0.00100
Benzo(k)fluoranthene	U		0.000120	0.00100
Benzo(g,h,i)perylene	U		0.000121	0.00100
Benzo(a)pyrene	U		0.0000381	0.000200
Biphenyl	U		0.000790	0.0100
Bis(2-chlorethoxy)methane	U		0.000116	0.0100
Bis(2-chloroethyl)ether	U		0.000137	0.0100
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100
4-Bromophenyl-phenylether	U		0.0000877	0.0100
2-Chloronaphthalene	U		0.0000648	0.00100
4-Chlorophenyl-phenylether	U		0.0000926	0.0100
Caprolactam	U		0.000309	0.0100
Carbazole	U		0.000111	0.0100
Chrysene	U		0.000130	0.00100
Dibenz(a,h)anthracene	U		0.0000644	0.000200
Dibenzofuran	U		0.0000970	0.0100
3,3-Dichlorobenzidine	U		0.000212	0.0100
2,4-Dinitrotoluene	U		0.0000983	0.0100
2,6-Dinitrotoluene	U		0.000250	0.0100
Fluoranthene	U		0.000102	0.00100
Fluorene	U		0.0000844	0.00100
Hexachlorobenzene	U		0.0000755	0.00100
Hexachloro-1,3-butadiene	U		0.0000968	0.0100
Hexachlorocyclopentadiene	U		0.0000598	0.0100
Hexachloroethane	U		0.000127	0.0100
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100
Isophorone	U		0.000143	0.0100
1-Methylnaphthalene	U		0.0000790	0.00100
2-Methylnaphthalene	U		0.000117	0.00100
Naphthalene	U		0.000159	0.00100
Nitrobenzene	U		0.000297	0.0100
n-Nitrosodiphenylamine	U		0.00237	0.0100
n-Nitrosodi-n-propylamine	U		0.000261	0.0100

Method Blank (MB)

(MB) R4055405-3 04/08/24 18:50

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Phenanthrene	U		0.000112	0.00100
Benzylbutyl phthalate	U		0.000765	0.00300
Bis(2-ethylhexyl)phthalate	U		0.000895	0.00300
Di-n-butyl phthalate	U		0.000453	0.00300
Diethyl phthalate	U		0.000287	0.00300
Dimethyl phthalate	U		0.000260	0.00300
Di-n-octyl phthalate	U		0.000932	0.00300
Pyrene	U		0.000107	0.00100
1,2,4-Trichlorobenzene	U		0.0000698	0.0100
4-Chloro-3-methylphenol	U		0.000131	0.0100
2-Chlorophenol	U		0.000133	0.0100
2,4-Dichlorophenol	U		0.000102	0.0100
2,4-Dimethylphenol	U		0.0000636	0.0100
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100
2,4-Dinitrophenol	U		0.00593	0.0100
2-Nitrophenol	U		0.000117	0.0100
2-Nitroaniline	U		0.000102	0.0100
2-Methylphenol	U		0.0000929	0.0100
3&4-Methyl Phenol	U		0.000168	0.0100
3-Nitroaniline	U		0.0000869	0.0100
4-Chloroaniline	U		0.000234	0.0100
4-Nitroaniline	U		0.0000910	0.0100
4-Nitrophenol	U		0.000143	0.0100
Pentachlorophenol	U		0.000313	0.0100
Phenol	U		0.00433	0.0100
2,4,5-Trichlorophenol	U		0.000109	0.0100
2,4,6-Trichlorophenol	U		0.000100	0.0100
(S) 2-Fluorophenol	*37.1*			*10.0-120*
(S) Phenol-d5	*26.2*			*10.0-120*
(S) Nitrobenzene-d5	*55.6*			*10.0-127*
(S) 2-Fluorobiphenyl	*54.4*			*10.0-130*
(S) 2,4,6-Tribromophenol	*58.0*			*10.0-155*
(S) p-Terphenyl-d14	*57.2*			*10.0-128*

Method Blank (MB)

(MB) R4055545-1 04/08/24 20:31

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acenaphthene	U		0.0000886	0.00100
Acenaphthylene	U		0.0000921	0.00100
Acetophenone	U		0.000208	0.0100
Anthracene	U		0.0000804	0.00100
Atrazine	U		0.000255	0.0100
Benzo(a)anthracene	U		0.000199	0.00100
Benzaldehyde	U		0.00169	0.0100
Benzo(b)fluoranthene	U		0.000130	0.00100
Benzo(k)fluoranthene	U		0.000120	0.00100
Benzo(g,h,i)perylene	U		0.000121	0.00100
Benzo(a)pyrene	U		0.0000381	0.000200
Biphenyl	U		0.000790	0.0100
Bis(2-chlorethoxy)methane	U		0.000116	0.0100
Bis(2-chloroethyl)ether	U		0.000137	0.0100
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100
4-Bromophenyl-phenylether	U		0.0000877	0.0100
2-Chloronaphthalene	U		0.0000648	0.00100
4-Chlorophenyl-phenylether	U		0.0000926	0.0100
Caprolactam	U		0.000309	0.0100
Carbazole	U		0.000111	0.0100
Chrysene	U		0.000130	0.00100
Dibenz(a,h)anthracene	U		0.0000644	0.000200
Dibenzofuran	U		0.0000970	0.0100
3,3-Dichlorobenzidine	U		0.000212	0.0100
2,4-Dinitrotoluene	U		0.0000983	0.0100
2,6-Dinitrotoluene	U		0.000250	0.0100
Fluoranthene	U		0.000102	0.00100
Fluorene	U		0.0000844	0.00100
Hexachlorobenzene	U		0.0000755	0.00100
Hexachloro-1,3-butadiene	U		0.0000968	0.0100
Hexachlorocyclopentadiene	U		0.0000598	0.0100
Hexachloroethane	U		0.000127	0.0100
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100
Isophorone	U		0.000143	0.0100
1-Methylnaphthalene	U		0.0000790	0.00100
2-Methylnaphthalene	U		0.000117	0.00100
Naphthalene	U		0.000159	0.00100
Nitrobenzene	U		0.000297	0.0100
n-Nitrosodiphenylamine	U		0.00237	0.0100
n-Nitrosodi-n-propylamine	U		0.000261	0.0100

Method Blank (MB)

(MB) R4055545-1 04/08/24 20:31

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Phenanthrene	U		0.000112	0.00100
Benzylbutyl phthalate	U		0.000765	0.00300
Bis(2-ethylhexyl)phthalate	U		0.000895	0.00300
Di-n-butyl phthalate	U		0.000453	0.00300
Diethyl phthalate	U		0.000287	0.00300
Dimethyl phthalate	U		0.000260	0.00300
Di-n-octyl phthalate	U		0.000932	0.00300
Pyrene	U		0.000107	0.00100
1,2,4-Trichlorobenzene	U		0.0000698	0.0100
4-Chloro-3-methylphenol	U		0.000131	0.0100
2-Chlorophenol	U		0.000133	0.0100
2,4-Dichlorophenol	U		0.000102	0.0100
2,4-Dimethylphenol	U		0.0000636	0.0100
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100
2,4-Dinitrophenol	U		0.00593	0.0100
2-Nitrophenol	U		0.000117	0.0100
2-Nitroaniline	U		0.000102	0.0100
2-Methylphenol	U		0.0000929	0.0100
3&4-Methyl Phenol	U		0.000168	0.0100
3-Nitroaniline	U		0.0000869	0.0100
4-Chloroaniline	U		0.000234	0.0100
4-Nitroaniline	U		0.0000910	0.0100
4-Nitrophenol	U		0.000143	0.0100
Pentachlorophenol	U		0.000313	0.0100
Phenol	U		0.00433	0.0100
2,4,5-Trichlorophenol	U		0.000109	0.0100
2,4,6-Trichlorophenol	U		0.000100	0.0100
(S) 2-Fluorophenol	*37.6*			*10.0-120*
(S) Phenol-d5	*26.8*			*10.0-120*
(S) Nitrobenzene-d5	*64.0*			*10.0-127*
(S) 2-Fluorobiphenyl	*52.7*			*10.0-130*
(S) 2,4,6-Tribromophenol	*54.5*			*10.0-155*
(S) p-Terphenyl-d14	*59.6*			*10.0-128*

Method Blank (MB)

(MB) R4056943-1 04/11/24 17:58

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acenaphthene	U		0.0000886	0.00100
Acenaphthylene	U		0.0000921	0.00100
Acetophenone	U		0.000208	0.0100
Anthracene	U		0.0000804	0.00100
Atrazine	U		0.000255	0.0100
Benzo(a)anthracene	U		0.000199	0.00100
Benzaldehyde	U		0.00169	0.0100
Benzo(b)fluoranthene	U		0.000130	0.00100
Benzo(k)fluoranthene	U		0.000120	0.00100
Benzo(g,h,i)perylene	U		0.000121	0.00100
Benzo(a)pyrene	U		0.0000381	0.000200
Biphenyl	U		0.000790	0.0100
Bis(2-chlorethoxy)methane	U		0.000116	0.0100
Bis(2-chloroethyl)ether	U		0.000137	0.0100
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100
4-Bromophenyl-phenylether	U		0.0000877	0.0100
2-Chloronaphthalene	U		0.0000648	0.00100
4-Chlorophenyl-phenylether	U		0.0000926	0.0100
Caprolactam	U		0.000309	0.0100
Carbazole	U		0.000111	0.0100
Chrysene	U		0.000130	0.00100
Dibenz(a,h)anthracene	U		0.0000644	0.000200
Dibenzofuran	U		0.0000970	0.0100
3,3-Dichlorobenzidine	U		0.000212	0.0100
2,4-Dinitrotoluene	U		0.0000983	0.0100
2,6-Dinitrotoluene	U		0.000250	0.0100
Fluoranthene	U		0.000102	0.00100
Fluorene	U		0.0000844	0.00100
Hexachlorobenzene	U		0.0000755	0.00100
Hexachloro-1,3-butadiene	U		0.0000968	0.0100
Hexachlorocyclopentadiene	U		0.0000598	0.0100
Hexachloroethane	U		0.000127	0.0100
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100
Isophorone	U		0.000143	0.0100
1-Methylnaphthalene	U		0.0000790	0.00100
2-Methylnaphthalene	U		0.000117	0.00100
Naphthalene	U		0.000159	0.00100
Nitrobenzene	U		0.000297	0.0100
n-Nitrosodiphenylamine	U		0.00237	0.0100
n-Nitrosodi-n-propylamine	U		0.000261	0.0100

Method Blank (MB)

(MB) R4056943-1 04/11/24 17:58

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Phenanthrene	U		0.000112	0.00100
Benzylbutyl phthalate	U		0.000765	0.00300
Bis(2-ethylhexyl)phthalate	U		0.000895	0.00300
Di-n-butyl phthalate	U		0.000453	0.00300
Diethyl phthalate	U		0.000287	0.00300
Dimethyl phthalate	U		0.000260	0.00300
Di-n-octyl phthalate	U		0.000932	0.00300
Pyrene	U		0.000107	0.00100
1,2,4-Trichlorobenzene	U		0.0000698	0.0100
4-Chloro-3-methylphenol	U		0.000131	0.0100
2-Chlorophenol	U		0.000133	0.0100
2,4-Dichlorophenol	U		0.000102	0.0100
2,4-Dimethylphenol	U		0.0000636	0.0100
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100
2,4-Dinitrophenol	U		0.00593	0.0100
2-Nitrophenol	U		0.000117	0.0100
2-Nitroaniline	U		0.000102	0.0100
2-Methylphenol	U		0.0000929	0.0100
3&4-Methyl Phenol	U		0.000168	0.0100
3-Nitroaniline	U		0.0000869	0.0100
4-Chloroaniline	U		0.000234	0.0100
4-Nitroaniline	U		0.0000910	0.0100
4-Nitrophenol	U		0.000143	0.0100
Pentachlorophenol	U		0.000313	0.0100
Phenol	U		0.00433	0.0100
2,4,5-Trichlorophenol	U		0.000109	0.0100
2,4,6-Trichlorophenol	U		0.000100	0.0100
(S) 2-Fluorophenol	*34.3*			*10.0-120*
(S) Phenol-d5	*23.5*			*10.0-120*
(S) Nitrobenzene-d5	*57.0*			*10.0-127*
(S) 2-Fluorobiphenyl	*57.8*			*10.0-130*
(S) 2,4,6-Tribromophenol	*52.0*			*10.0-155*
(S) p-Terphenyl-d14	*57.8*			*10.0-128*

Received by OCD: 6/12/2025 1:19:15 PM

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

L1721739-58

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4055405-1 04/08/24 18:08 • (LCSD) R4055405-2 04/08/24 18:29

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.0500	0.0356	0.0350	71.2	70.0	41.0-120			1.70	22
Acenaphthylene	0.0500	0.0379	0.0367	75.8	73.4	43.0-120			3.22	22
Acetophenone	0.0500	0.0306	0.0298	61.2	59.6	29.0-120			2.65	28
Anthracene	0.0500	0.0346	0.0364	69.2	72.8	45.0-120			5.07	20
Atrazine	0.0500	0.0374	0.0384	74.8	76.8	39.0-141			2.64	20
Benzo(a)anthracene	0.0500	0.0339	0.0359	67.8	71.8	47.0-120			5.73	20
Benzaldehyde	0.0500	0.107	0.107	214	214	10.0-160	J4	J4	0.000	40
Benzo(b)fluoranthene	0.0500	0.0310	0.0328	62.0	65.6	46.0-120			5.64	20
Benzo(k)fluoranthene	0.0500	0.0309	0.0330	61.8	66.0	46.0-120			6.57	21
Benzo(g,h,i)perylene	0.0500	0.0318	0.0344	63.6	68.8	48.0-121			7.85	20
Benzo(a)pyrene	0.0500	0.0326	0.0345	65.2	69.0	47.0-120			5.66	20
Biphenyl	0.0500	0.0358	0.0341	71.6	68.2	38.0-120			4.86	27
Bis(2-chlorethoxy)methane	0.0500	0.0342	0.0337	68.4	67.4	33.0-120			1.47	24
Bis(2-chloroethyl)ether	0.0500	0.0338	0.0334	67.6	66.8	23.0-120			1.19	33
2,2-Oxybis(1-Chloropropane)	0.0500	0.0307	0.0298	61.4	59.6	28.0-120			2.98	31
4-Bromophenyl-phenylether	0.0500	0.0379	0.0388	75.8	77.6	45.0-120			2.35	20
2-Chloronaphthalene	0.0500	0.0346	0.0335	69.2	67.0	37.0-120			3.23	25
4-Chlorophenyl-phenylether	0.0500	0.0366	0.0363	73.2	72.6	44.0-120			0.823	20
Caprolactam	0.0500	0.0121	0.0135	24.2	27.0	10.0-120			10.9	26
Carbazole	0.0500	0.0349	0.0364	69.8	72.8	51.0-122			4.21	20
Chrysene	0.0500	0.0324	0.0343	64.8	68.6	48.0-120			5.70	20
Dibenz(a,h)anthracene	0.0500	0.0330	0.0361	66.0	72.2	47.0-120			8.97	20
Dibenzofuran	0.0500	0.0350	0.0347	70.0	69.4	44.0-120			0.861	22
3,3-Dichlorobenzidine	0.100	0.0694	0.0648	69.4	64.8	44.0-120			6.86	20
2,4-Dinitrotoluene	0.0500	0.0376	0.0392	75.2	78.4	49.0-124			4.17	20
2,6-Dinitrotoluene	0.0500	0.0364	0.0365	72.8	73.0	46.0-120			0.274	21
Fluoranthene	0.0500	0.0356	0.0374	71.2	74.8	51.0-120			4.93	20
Fluorene	0.0500	0.0351	0.0349	70.2	69.8	47.0-120			0.571	20
Hexachlorobenzene	0.0500	0.0369	0.0368	73.8	73.6	44.0-120			0.271	20
Hexachloro-1,3-butadiene	0.0500	0.0327	0.0320	65.4	64.0	19.0-120			2.16	32
Hexachlorocyclopentadiene	0.0500	0.0283	0.0255	56.6	51.0	15.0-120			10.4	31
Hexachloroethane	0.0500	0.0325	0.0320	65.0	64.0	15.0-120			1.55	37
Indeno(1,2,3-cd)pyrene	0.0500	0.0333	0.0358	66.6	71.6	49.0-122			7.24	20
Isophorone	0.0500	0.0363	0.0353	72.6	70.6	36.0-120			2.79	23
1-Methylnaphthalene	0.0500	0.0348	0.0341	69.6	68.2	33.0-120			2.03	24
2-Methylnaphthalene	0.0500	0.0344	0.0338	68.8	67.6	33.0-120			1.76	25
Naphthalene	0.0500	0.0320	0.0316	64.0	63.2	27.0-120			1.26	27
Nitrobenzene	0.0500	0.0354	0.0350	70.8	70.0	27.0-120			1.14	29
n-Nitrosodiphenylamine	0.0500	0.0343	0.0352	68.6	70.4	47.0-120			2.59	20
n-Nitrosodi-n-propylamine	0.0500	0.0335	0.0330	67.0	66.0	31.0-120			1.50	28

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Released to Imaging: 6/17/2025 4:41:11 PM

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4055405-1 04/08/24 18:08 • (LCSD) R4055405-2 04/08/24 18:29

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Phenanthrene	0.0500	0.0345	0.0359	69.0	71.8	46.0-120			3.98	20
Benzylbutyl phthalate	0.0500	0.0340	0.0351	68.0	70.2	43.0-121			3.18	20
Bis(2-ethylhexyl)phthalate	0.0500	0.0340	0.0355	68.0	71.0	43.0-122			4.32	20
Di-n-butyl phthalate	0.0500	0.0360	0.0384	72.0	76.8	49.0-121			6.45	20
Diethyl phthalate	0.0500	0.0373	0.0387	74.6	77.4	48.0-122			3.68	20
Dimethyl phthalate	0.0500	0.0369	0.0374	73.8	74.8	48.0-120			1.35	20
Di-n-octyl phthalate	0.0500	0.0344	0.0361	68.8	72.2	42.0-125			4.82	20
Pyrene	0.0500	0.0329	0.0345	65.8	69.0	47.0-120			4.75	20
1,2,4-Trichlorobenzene	0.0500	0.0331	0.0321	66.2	64.2	24.0-120			3.07	29
4-Chloro-3-methylphenol	0.0500	0.0327	0.0320	65.4	64.0	40.0-120			2.16	21
2-Chlorophenol	0.0500	0.0290	0.0277	58.0	55.4	25.0-120			4.59	35
2,4-Dichlorophenol	0.0500	0.0345	0.0333	69.0	66.6	36.0-120			3.54	26
2,4-Dimethylphenol	0.0500	0.0310	0.0306	62.0	61.2	33.0-120			1.30	26
4,6-Dinitro-2-methylphenol	0.0500	0.0429	0.0457	85.8	91.4	38.0-138			6.32	25
2,4-Dinitrophenol	0.0500	0.0418	0.0449	83.6	89.8	10.0-120			7.15	39
2-Nitrophenol	0.0500	0.0361	0.0353	72.2	70.6	31.0-120			2.24	29
2-Nitroaniline	0.0500	0.0376	0.0381	75.2	76.2	43.0-120			1.32	22
2-Methylphenol	0.0500	0.0271	0.0260	54.2	52.0	28.0-120			4.14	29
3&4-Methyl Phenol	0.0500	0.0301	0.0285	60.2	57.0	31.0-120			5.46	30
3-Nitroaniline	0.0500	0.0350	0.0346	70.0	69.2	38.0-120			1.15	21
4-Chloroaniline	0.0500	0.0336	0.0295	67.2	59.0	25.0-120			13.0	25
4-Nitroaniline	0.0500	0.0349	0.0351	69.8	70.2	18.0-160			0.571	21
4-Nitrophenol	0.0500	0.104	0.103	208	206	10.0-120	J4	J4	0.966	33
Pentachlorophenol	0.0500	0.0297	0.0320	59.4	64.0	23.0-120			7.46	25
Phenol	0.0500	0.0166	0.0159	33.2	31.8	10.0-120			4.31	36
2,4,5-Trichlorophenol	0.0500	0.0390	0.0390	78.0	78.0	44.0-120			0.000	22
2,4,6-Trichlorophenol	0.0500	0.0357	0.0357	71.4	71.4	42.0-120			0.000	23
(S) 2-Fluorophenol				*41.5*	*38.8*	*10.0-120*				
(S) Phenol-d5				*28.0*	*29.0*	*10.0-120*				
(S) Nitrobenzene-d5				*69.1*	*65.8*	*10.0-127*				
(S) 2-Fluorobiphenyl				*71.4*	*67.2*	*10.0-130*				
(S) 2,4,6-Tribromophenol				*79.0*	*78.0*	*10.0-155*				
(S) p-Terphenyl-d14				*67.7*	*64.7*	*10.0-128*				

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

Qualifier	Description
B	The same analyte is found in the associated blank.
C6	The initial calibration verification standard (SSCV) associated with this data responded low.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

GLOSSARY OF TERMS

Qualifier	Description
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.
Q	Sample was prepared and/or analyzed past holding time as defined in the method. Concentrations should be considered minimum values.
T8	Sample(s) received past/too close to holding time expiration.
V	The sample concentration is too high to evaluate accurate spike recoveries.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: Julie Speer

Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2024

City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:

Client Project #

Lab Project # TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team

Site/Facility ID # (Navajo - Artesia)

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Chain of Custody Page 1 of 25

Pace Analytical® National Center for Testing & Innovation
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# LIT21739
A162

Acctnum: TRCATX
Template: T248756
Prelogin: P1062037
TSR: 526
PB:
Shipped Via:

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
MW-6A	Grab	GW		4/2/24	1405	11	X	X	X	X	X	X						-01
MW-85	Grab	GW				11	X	X	X	X	X	X					LNAPL	
MW-86	Grab	GW				12	X	X	X		X	X	X	X			LNAPL	
MW-120	Grab	GW		4/2/24	825	11	X	X	X	X	X	X						-02
MW-121	Grab	GW		4/2/24	910	11	X	X	X	X	X	X						-03
MW-84	Grab	GW				11	X	X	X	X	X	X						
MW-122	Grab	GW		4/2/24	955	11	X	X	X	X	X	X						-04
MW-81	Grab	GW				11	X	X	X	X	X	X						
MW-80	Grab	GW				11	X	X	X	X	X	X						
MW-79	Grab	GW				11	X	X	X	X	X	X						

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier __ _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR
Scott Ude	4/2/24	1800		2
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 675
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/3/24 Time: 9:00

PH-10BDH6021 TRC 226.36 CR6-20221V

If ate/Time

Hold:

Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: Julie Speer

Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2024

City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:

Client Project #

Lab Project # TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team

Site/Facility ID # (Navajo - Artesia)

P.O. #

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___ Same Day ___ Five Day
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___ Three Day
Date Results Needed

Quote #

Analysis / Container / Preservative

Chain of Custody Page 2 of 25

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L# LM1739

Table #

Acctnum: TRCATX
Template: T248756
Prelogin: P1062037
TSR: 526
PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
MW-82	Grab	GW				11	X	X	X	X	X	X						
MW-74	Grab	GW				11	X	X	X	X	X	X						
MW-73	Grab	GW				11	X	X	X	X	X	X						
MW-2A	Grab	GW		4/2/24	1030	11	X	X	X	X	X	X						-05
MW-72	Grab	GW		4/2/24	1130	11	X	X	X	X	X	X						-06
OCD-6	Grab	GW		4/2/24	1215	11	X	X	X	X	X	X						-07
OCD-7AR	Grab	GW		4/2/24	1300	11	X	X	X	X	X	X						-08
~~RW-#15C~~	~~Grab~~	~~GW~~				~~9~~	X	X		X	X	X					LNAPL	
~~MW-48~~	~~Grab~~	~~GW~~				~~11~~	X	X	X	X	X	X					LNAPL	
MW-130	Grab	GW				11	X	X	X	X	X	X						

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier __ _____

Tracking #

Sample Receipt Checklist:
COC Seal Present/Intact: __NP ✓Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: ✓Y __N
Preservation Correct/Checked: ✓Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR
Scott Ude	4/2/24	1800		✓ Yes / No
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 675
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/3/24 Time: 9:00

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: Julie Speer

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City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:

Client Project #

Lab Project #
TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team

Site/Facility ID #
(Navajo - Artesia)

P.O. #

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Immediately Packed on Ice N ___ Y ✓

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Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
KWB-4	Grab	GW				9	X	X		X	X	X					LNAPL	
RW-19	Grab	GW				9	X	X		X	X	X						
EB-EP-01	Grab	GW				11	X	X	X	X	X	X						
EB-EP-01 04	Grab	GW				11	X	X	X	X	X	X						
TRIP BLANK-EP-01	Grab	GW				1	X											

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier __ _____

Tracking #

Chain of Custody Page 3 of 25

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L # L1721739

Table #

Acctnum: TRCATX
Template: T248756
Prelogin: P1062037
TSR: 526
PB:

Shipped Via:

Sample Receipt Checklist
COC Seal Present/Intact: __NP ✓Y __N
COC Signed/Accurate: __Y __N
Bottles arrive intact: __Y __N
Correct bottles used: __Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
Scott Ude	4/2/24	1800		✓	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 675	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Chad Burchfield	Date: 4/3/24 Time: 9:10	Hold: Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: Julie Speer

Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2024

City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:

Client Project #

Lab Project #
TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team

Site/Facility ID #
(Navajo - Artesia)

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page 4 of 25

Pace Analytical® National Center for Testing & Innovation

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Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L # L1721739

Table #

Acctnum: TRCATX
Template: T248757
Prelogin: P1062036
TSR: 526
PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH			Remarks	Sample # (lab only)
MW-76	Grab	GW		4/2/24	830	11	X	X	X	X	X	X						-09
MW-77	Grab	GW		4/2/24	910	11	X	X	X	X	X	X						-10
MW-78	Grab	GW		4/2/24	950	11	X	X	X	X	X	X						-11
MW-75	Grab	GW		4/2/24	1035	11	X	X	X	X	X	X						-12
MW-83	Grab	GW		4/2/24	1120	11	X	X	X	X	X	X						-13
MW-3	Grab	GW		4/2/24	1205	11	X	X	X	X	X	X						-14
MW-88	Grab	GW		4/2/24	1250	11	X	X	X	X	X	X						-15
MW-22A	Grab	GW		4/2/24	1335	11	X	X	X	X	X	X						-16
MW-10	Grab	GW				11	X	X	X	X	X	X						
MW-123	Grab	GW				11	X	X	X	X	X	X						

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Scott Ude	4/2/24	1800		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 675
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/3/24 Time: 9:00

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: Julie Speer
Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2024
City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:
Client Project #
Lab Project #: TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team
Site/Facility ID #: (Navajo - Artesia)
P.O. #

Collected by (signature):
Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day
Date Results Needed
Quote #

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 5 of 25

Pace Analytical® National Center for Testing & Innovation
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L1121739
Table #
Acctnum: TRCATX
Template: T248757
Prelogin: P1062036
TSR: 526
PB:
Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	Remarks	Sample # (lab only)
MW-4A	Grab	GW				11	X	X	X	X	X	X				
MW-5A	Grab	GW				11	X	X	X	X	X	X				
MW-7A	Grab	GW				11	X	X	X	X	X	X				
OCD-8A	Grab	GW				12	X	X	X	X	X	X	X	X		
DUP-EP-01	Grab	GW				11	X	X	X	X	X	X				
DUP-EP-02	Grab	GW		4/2/24	1130	11	X	X	X	X	X	X				-17
DUP-EP-03	Grab	GW		4/2/24	930	11	X	X	X	X	X	X				-18
EB-EP-02 03	Grab	GW				11	X	X	X	X	X	X				
TRIP BLANK-EP-02	Grab	GW				1	X									

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:

pH ___ Temp ___
Flow ___ Other ___

Samples returned via:
__ UPS ✓ FedEx __ Courier

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Scott Ude	4/2/24	1800	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			Cindi Burchfield

Trip Blank Received: Yes / No HCL / MeoH TBR
2

Temp: °C Bottles Received: 675

Date: 4/3/24 Time: 9:10

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: Julie Speer
Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2024
City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:
Client Project #
Lab Project # TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team
Site/Facility ID # (Navajo - Artesia)
P.O. #

Collected by (signature):
Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day
Date Results Needed
Quote #

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH			Remarks	Sample # (lab only)
MW-25	Grab	GW		4/2/24	1230	9	X	X		X	X	X						-19
MW-1R	Grab	GW		4/2/24	1315	9	X	X		X	X	X						-20
MW-15	Grab	GW		4/2/24	1400	11	X	X	X	X	X	X						-21
OCD-1R	Grab	GW				11	X	X	X	X	X	X						
OCD-2A	Grab	GW				11	X	X	X	X	X	X						
OCD-3	Grab	GW				11	X	X	X	X	X	X						
OCD-4	Grab	GW				11	X	X	X	X	X	X						
MW-11A	Grab	GW				11	X	X	X	X	X	X						
OCD-5	Grab	GW				11	X	X	X	X	X	X						
MW-87	Grab	GW		4/2/24	830	11	X	X	X	X	X	X						-22

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier __ _____

Tracking #

Relinquished by : (Signature) Scott Ude | Date: 4/2/24 | Time: 1800 | Received by: (Signature)
Relinquished by : (Signature) | Date: | Time: | Received by: (Signature)
Relinquished by : (Signature) | Date: | Time: | Received for lab by: (Signature) Jacob Burchfield | Date: 4/3/24 | Time: 9:00

Trip Blank Received: Yes / No (HCl / MeoH) TBR
Temp: °C Bottles Received: 675

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Chain of Custody Page 6 of 25

Pace Analytical® National Center for Testing & Innovation
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# LM21739
Table #
Acctnum: TRCATX
Template: T248761
Prelogin: P1062038
TSR: 526
PB:
Shipped Via:

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: X N
Bottles arrive intact: X N
Correct bottles used: X N
Sufficient volume sent: X N
If Applicable
VOA Zero Headspace: X N
Preservation Correct/Checked: X N

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: Julie Speer
Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2024
City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:

Client Project #
Lab Project # TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team
Site/Facility ID # (Navajo - Artesia)
P.O. #

Collected by (signature):
Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day
Date Results Needed
Quote #

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH			Remarks	Sample # (lab only)
MW-18A	Grab	GW		4/2/24	915	10	X	X			X	X	X	X				-23
MW-70	Grab	GW		4/2/24	1020	11	X	X	X	X	X	X						-24
MW-124	Grab	GW		4/2/24	1110	11	X	X	X	X	X	X						-25
MW-52	Grab	GW				12	X	X	X		X	X	X	X				
MW-109	Grab	GW				11	X	X	X	X	X	X						
MW-110	Grab	GW				11	X	X	X	X	X	X						
MW-140	Grab	GW				3					X	X	X					
MW-141	Grab	GW				3					X	X	X				54 No Diss. also !!	
EB-EP-02	Grab	GW		4/2/24	1130	11	X	X	X	X	X	X					54 No Diss. also !!	
TRIP BLANK-EP-03	Grab	GW				1	X											-26 -27

Chain of Custody Page 7 of 25

Pace Analytical® National Center for Testing & Innovation
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L1721739
Table #
Acctnum: TRCATX
Template: T248761
Prelogin: P1062038
TSR: 526
PB:
Shipped Via:

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier __ _____
Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR	If preservation required by Login: Date/Time
Scott Ude	4/2/24	1800			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 675	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Carol Bradfield	Date: 4/3/24 Time: 9:00	Hold: Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: Julie Speer

Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2024

City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:

Client Project #

Lab Project #
TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team

Site/Facility ID #
(Navajo - Artesia)

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 8 of 25

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# LM1739

Table #

Acctnum: TRCATX

Template: T248762

Prelogin: P1062039

TSR: 526

PB: 3-13-24bm

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
RW-12R	Grab	GW				9	X	X		X	X	X					LNAPL	
MW-113	Grab	GW				11	X	X	X	X	X	X						
KWB-8	Grab	GW				10	X	X			X	X	X	X			LNAPL	
RW-22	Grab	GW				9	X	X		X	X	X					LNAPL	
RW-20A	Grab	GW				9	X	X		X	X	X					DRY	
RW-20B	Grab	GW				9	X	X		X	X	X					DRY	
RW-13R	Grab	GW				14	X	X		X	X	X			X	X	LNAPL	
RW-14R	Grab	GW				9	X	X		X	X	X					LNAPL	
MW-133	Grab	GW				11	X	X	X	X	X	X					LNAPL	
MW-134	Grab	GW				11	X	X	X		X	X	X					

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__UPS ✓FedEx __Courier __ _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
Scott Ude	4/2/24	1800		2	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 675	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Carl Burchfield	Date: 4/3/24 Time: 0900	Hold: Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: Julie Speer

Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2024

City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:

Client Project #

Lab Project #
TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team

Site/Facility ID #
(Navajo - Artesia)

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page 9 of 25

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L721789

Table #

Acctnum: TRCATX
Template: T248762
Prelogin: P1062039
TSR: 526
PB: 3-13-24 6m

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
RA-4196R	Grab	GW				11	X			X	X	X			X	X	Only Cation	
RA-3156	Grab	GW				6	X			X	X	X			X	X	Only Cation	
RA-313	Grab	GW				6	X			X	X	X			X	X	Only Cation	
KWB-7	Grab	GW		4/2/24	845	10	X	X			X	X	X	X				-78
MW-20	Grab	GW				9	X	X		X	X	X						
NP-1	Grab	GW				6	X			X	X	X					Only Cation	
MW-8	Grab	GW				11	X	X	X	X	X	X						
MW-21	Grab	GW				11	X	X	X	X	X	X						
MW-71	Grab	GW				10	X	X			X	X	X	X				
MW-68	Grab	GW				9	X	X		X	X	X						

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:
RA-4196R,RA-3156,RA-313,NP-1 reporting Cations from Metals bottle.

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier __ _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR
Scott Ude	4/2/24	1800		2
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 675
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 413124 Time: 9:00

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Items: 4

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: Julie Speer
Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2024
City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:
Client Project #
Lab Project # TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team
Site/Facility ID # (Navajo - Artesia)
P.O. #

Collected by (signature):
Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day
Date Results Needed
Quote #

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH			Remarks	Sample # (lab only)
MW-27	Grab	GW		4/2/24	1325	9	X	X		X	X	X						-29
MW-89	Grab	GW		4/2/24	1235	9	X	X		X	X	X						-30
MW-16	Grab	GW		4/2/24	1145	9	X	X		X	X	X						-31
MW-26	Grab	GW		4/2/24	1100	9	X	X		X	X	X						-32
KWB-11A	Grab	GW		4/2/24	1015	12	X	X	X		X	X	X	X				-33
KWB-11B	Grab	GW		4/2/24	925	12	X	X	X		X	X	X	X				-34
MW-115	Grab	GW				11	X	X	X		X	X	X					
MW-114	Grab	GW				11	X	X	X		X	X	X					
MW-125	Grab	GW				11	X	X	X		X	X	X					
DUP-REST-01	Grab	GW				11	X	X	X	X	X	X						

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier _____

Tracking #

Relinquished by : (Signature) Scott Ude — Date: 4/2/24 — Time: 1800
Received by: (Signature)

Relinquished by : (Signature) — Date: — Time:
Received by: (Signature)

Relinquished by : (Signature) — Date: — Time:
Received for lab by: (Signature) David C Bruchfield — Date: 4/3/24 — Time: 9:00

Trip Blank Received: Yes / No (HCl / MeoH) TBR
Temp: °C Bottles Received: 675

Hold:

If preservation required by Login: Date/Time

Condition: NCF / OK

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Chain of Custody Page 10 of 25

Pace Analytical®
National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L1721739
Table #
Acctnum: TRCATX
Template: T248762
Prelogin: P1062039
TSR: 526
PB: 3-13-24 bm
Shipped Via:

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: Julie Speer

Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2024

City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:

Client Project #

Lab Project # TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team

Site/Facility ID # (Navajo - Artesia)

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH			Remarks	Sample # (lab only)
EB-REST-01	Grab	GW				11	X	X	X	X	X	X						
DUP-REST-03	Grab	GW				11	X	X	X		X	X	X					
EB-REST-03	Grab	GW				11	X	X	X		X	X	X					
TRIP BLANK-REST-01	Grab	GW				1	X			X	X							
TRIP BLANK-TMD-01	Grab	GW				1	X											

Analysis / Container / Preservative

Chain of Custody Page 11 of 25

Pace Analytical® National Center for Testing & Innovation
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L1721739

Table #

Acctnum: TRCATX
Template: T248762
Prelogin: P1062039
TSR: 526
PB: 3-13-24

Shipped Via:

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

Samples returned via:
__ UPS ✓ FedEx __ Courier __ _____

Tracking #

pH _____ Temp _____

Flow _____ Other _____

Sample Receipt Checklist
COC Seal Present/Intact: __NP __Y __N
COC Signed/Accurate: __Y __N
Bottles arrive intact: __Y __N
Correct bottles used: __Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR	If preservation required by Login: Date/Time
Sean Ude	4/2/24	1800			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 675	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/3/24 Time: 9:00	Hold: Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: Julie Speer
Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2024
City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:
Client Project #
Lab Project # TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team
Site/Facility ID # (Navajo - Artesia)
P.O. #

Collected by (signature):
Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day
Date Results Needed
Quote #

Chain of Custody Page 12 of 25

Pace Analytical® National Center for Testing & Innovation
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L # L1721739
Table #
Acctnum: TRCATX
Template: T248763
Prelogin: P1062040
TSR: 526
PB:
Shipped Via:

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4*- 125mlHDPE-NoPres	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
MW-117	Grab	GW				11	X	X	X		X	X	X					
MW-118	Grab	GW		4/2/24	1310	11	X	X	X		X	X	X					-35
MW-119	Grab	GW		4/2/24	1220	11	X	X	X		X	X	X					-36
MW-136	Grab	GW				12	X	X	X		X	X	X	X				
~~MW-126A~~	~~Grab~~	~~GW~~				~~11~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~					LNAPL	
MW-126B	Grab	GW		4/2/24	935	11	X	X	X	X	X	X						-37
~~MW-127~~	~~Grab~~	~~GW~~				~~16~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~			X	X	LNAPL	
MW-129	Grab	GW				11	X	X	X	X	X	X						
KWB-1A	Grab	GW		4/2/24	1205	10	X	X			X	X	X	X				-38
~~KWB-10R~~	~~Grab~~	~~GW~~				~~11~~	~~X~~	~~X~~		~~X~~	~~X~~	~~X~~				X	LNAPL	

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:

pH ____ Temp ____
Flow ____ Other ____

Samples returned via:
__ UPS ✓ FedEx __ Courier

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

	Date:	Time:		
Relinquished by: (Signature) Scott Ude	4/2/24	1800	Received by: (Signature)	Trip Blank Received: Yes / No (HCL / MeoH) TBR
elinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 675
linquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) Carol Bucksfield	Date: 4/3/24 Time: 9:10

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: Julie Speer
Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2024
City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:
Client Project #
Lab Project # TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team
Site/Facility ID # (Navajo - Artesia)
P.O. #

Collected by (signature):
Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day
Quote #
Date Results Needed

Chain of Custody Page 13 of

Pace Analytical® National Center for Testing & Innovation
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# LM21739
Table #
Acctnum: TRCATX
Template: T248763
Prelogin: P1062040
TSR: 526
PB:
Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* - 125mlHDPE-NoPres	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
MW-131	Grab	GW				11	X	X	X	X	X	X						
KWB-5	Grab	GW				9	X	X		X	X	X						
MW-111	Grab	GW				16	X	X	X	X	X	X			X	X	LNAPL	
KWB-6	Grab	GW				14	X	X		X	X	X			X	X	LNAPL	
MW-112	Grab	GW				11	X	X	X	X	X	X					LNAPL	
MW-132	Grab	GW				11	X	X	X	X	X	X		Skimmer pump; historical			LNAPL	
MW-57	Grab	GW				11	X	X	X	X	X	X					LNAPL	
RW-#11-0	Grab	GW				9	X	X		X	X	X					DRY	
KWB-12A	Grab	GW				12	X	X	X		X	X	X	X			DRY	
KWB-12B	Grab	GW		4/2/24	1045	12	X	X	X		X	X	X	X				-39

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:

pH ___ Temp ___
Flow ___ Other ___

Samples returned via:
__ UPS ✓ FedEx __ Courier

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

	Date:	Time:	
Relinquished by : (Signature) Scott Ude	4/2/24	1800	Received by: (Signature)
Relinquished by : (Signature)			Received by: (Signature)
Relinquished by : (Signature)			Received for lab by: (Signature) Brent Barnhill

Trip Blank Received: Yes / No HCl / MeoH TBR
Temp: °C Bottles Received: 675
Date: 4/3/24 Time: 9:10
If preservation required by Login: Date/Time
Hold:
Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: Julie Speer
Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2024
City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:
Client Project #
Lab Project # TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team
Site/Facility ID # (Navajo - Artesia)
P.O. #

Collected by (signature):
Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day
Date Results Needed
Quote #

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 14 of 25

Pace Analytical® National Center for Testing & Innovation
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L1721739
Table #
Acctnum: TRCATX
Template: T248763
Prelogin: P1062040
TSR: 526
PB:
Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4*- 125mlHDPE-NoPres	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	Remarks	Sample # (lab only)
KWB-2R	Grab	GW				9	X	X		X	X	X				
MW-58	Grab	GW				10	X	X			X	X	X	X		
KWB-13	Grab	GW		4/2/24	1115	10	X	X			X	X	X	X		-40
MW-149	Grab	GW		4/2/24	915	9	X	X		X	X	X				-41
MW-150	Grab	GW		4/2/24	1010	9	X	X		X	X	X				-42
MW-142	Grab	GW		4/2/24	1315	4					X	X	X			-43
MW-143	Grab	GW		4/2/24	1400 CDUP	4					X	X	X			-44
DUP-REST-05	Grab	GW		4/2/24	1200 12	11	X	X	X		X	X	X	X	was requested	-45
EB-REST-05	Grab	GW		4/2/24	1100 12	11	X	X	X		X	X	X	X	was requested	-46
TRIP BLANK-REST-02	Grab	GW		4/2/24	—	1	X									-47

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier __ _____
Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR	If preservation required by Login: Date/Time
Scott Ude	4/2/24	1800		2	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 675	
elinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Carl C Burchfield	Date: 4/3/24 Time: 9:00	Hold: Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: Julie Speer
Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2024
City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:
Client Project #
Lab Project # TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team
Site/Facility ID # (Navajo - Artesia)
P.O. #

Collected by (signature):
Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day
Quote #
Date Results Needed

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 15 of 25

Pace Analytical® National Center for Testing & Innovation
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# LM21739
Table #
Acctnum: TRCATX
Template: T248764
Prelogin: P1062041
TSR: 526
PB:
Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	Remarks	Sample # (lab only)
MW-103	Grab	GW				11	X	X	X	X	X	X				
MW-104	Grab	GW				11	X	X	X	X	X	X				
MW-64	Grab	GW				11	X	X	X	X	X	X				
MW-65	Grab	GW				11	X	X	X	X	X	X				
RW-5R	Grab	GW				11	X	X	X	X	X	X				
MW-102	Grab	GW				9	X	X		X	X	X				
RW-4	Grab	GW		4/2/24	1230	11	X	X	X	X	X	X				-48
RW-6	Grab	GW				9	X	X		X	X	X				
MW-99	Grab	GW		4/2/24	1425	9	X	X		X	X	X				-49
MW-66	Grab	GW				11	X	X	X	X	X	X				
						12	X	X	X		X	X	X	X		

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:

pH ____ Temp ____
Flow ____ Other ____

Samples returned via:
__ UPS ✓ FedEx __ Courier

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Scott Ude	4/2/24	1800	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			Carol Bradfield

Trip Blank Received: Yes / No HCl / MeoH TBR
2 ✓

Temp: °C Bottles Received: 6 5

Date: 4/3/24 Time: 9:10

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Chain of Custody Page 1 of 2

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# LM1739

Table #

Acctnum: TRCATX

Template: T248764

Prelogin: P1062041

TSR: 526

PB:

Shipped Via:

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: Julie Speer

Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2024

City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:

Client Project #

Lab Project # TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team

Site/Facility ID # (Navajo - Artesia)

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
MW-28	Grab	GW				14	X*	X*	X*		X*	X*	X*	X*		X*		
MW-59	Grab	GW				11	X*	X*	X*	X*	X*	X*						
MW-60	Grab	GW				17	X*	X*	X*		X*	X*	X*	X*	X*	X*		
MW-107	Grab	GW				11	X*	X*	X*	X*	X*	X*						
MW-128	Grab	GW				13	X*	X*	X*	X*	X*	X*				X*		
MW-116	Grab	GW				11	X*	X*	X*		X*	X*	X*					
MW-46R	Grab	GW				9	X*	X*		X*	X*	X*						
~~RW-#18A~~	~~Grab~~	~~GW~~				~~7~~	X*				X*	X*	X*					
MW-144	Grab	GW		4/2/24	840	4			~~X~~		X*	X*	X*				DRY (GRO not requested)	
~~MW-145~~	~~Grab~~	~~GW~~		4/1/24	745	10	X*	X*	X*	X*	X*	X*		Shipped 4/1			(No Nitrate, X as MW- Nitrite requested 146)	

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:
Nitrate/Nitrite is not reporting ed on MW-145, 146, 147, 148

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier

Tracking #

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Scott Ude	4/2/24	1800		2
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:
				675
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:
				4/3/24 9:40

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: X N
Bottles arrive intact: X N
Correct bottles used: X N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: X N
Preservation Correct/Checked: X N

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: Julie Speer
Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2024
City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:
Client Project #
Lab Project #: TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team
Site/Facility ID #: (Navajo - Artesia)
P.O. #

Collected by (signature):
Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day
Date Results Needed

Quote #

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 17 of 25

Pace Analytical® National Center for Testing & Innovation
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L1721789
Table #
Acctnum: TRCATX
Template: T248764
Prelogin: P1062041
TSR: 526
PB:
Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	Cl,F,SO4 - 125mlHDPE-NoPres	Remarks	Sample # (lab only)
~~MW-146~~	~~Grab~~	~~GW~~		~~4/1/24~~	~~840~~	11	X	X	X	X	X	X			X	Shipped 4/1	
MW-135	Grab	GW		4/2/24	935	11	X	X	X	X	X	X					-51
MW-147	Grab	GW		4/2/24	1015	11	X	X	X	X	X	X					-52
MW-148	Grab	GW		4/2/24	1105	11	X	X	X	X	X	X			X		-53
~~UG-3R~~	~~Grab~~	~~GW~~		~~4/1/24~~	~~1240~~	12	X	X	X		X	X	X	X		Shipped 4/1	
~~UG-4~~	~~Grab~~	~~GW~~		~~4/1/24~~	~~1150~~	12	X	X	X		X	X	X	X		Shipped 4/1	
~~UG-1~~	~~Grab~~	~~GW~~		~~4/1/24~~	~~1100~~	12	X	X	X		X	X	X	X		Shipped 4/1	
~~UG-2~~	~~Grab~~	~~GW~~		~~4/1/24~~	~~935~~	12	X	X	X		X	X	X	X		Shipped 4/1	
DUP-REST-02	Grab	GW		4/2/24	1100	11	X	X	X	X	X	X					-54
EB-REST-02	Grab	GW		4/2/24	1245	11	X	X	X	X	X	X					-55

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks: Nitrate/Nitrite is not reported on MW-145, 146, 147, 148

pH ___ Temp ___
Flow ___ Other ___

Samples returned via:
__ UPS ✓ FedEx __ Courier __

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR
Scott Ude	4/2/24	1800		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 675
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/3/24 Time: 9:00

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Chain of Custody

Pace Analytical®
National Center for Testing & Innovation

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Mount Juliet, TN 37122
Phone: 615-758-5858
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Fax: 615-758-5859

L# L1721739
Table #
Acctnum: TRCATX
Template: T248764
Prelogin: P1062041
TSR: 526
PB:
Shipped Via:

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: Julie Speer
Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2024
City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:
Client Project #
Lab Project # TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team
Site/Facility ID # (Navajo - Artesia)
P.O. #

Collected by (signature):
Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day
Date Results Needed
Quote #

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	Cl,F,SO4 - 125mlHDPE-NoPres	Remarks	Sample # (lab only)
~~DUP-REST-04~~	~~Grab~~	~~GW~~		~~4/1/24~~	~~730~~	~~11~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~				~~X~~	~~Shipped 4/1~~	
~~FB-REST-04~~	~~Grab~~	~~GW~~		~~4/1/24~~	~~900~~	~~11~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~				~~X~~	~~Shipped 4/1~~	
TRIP BLANK-REST-03						1	X										

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR	If preservation required by Login: Date/Time
Scott Ude	4/2/24	1800			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 675	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/3/24 Time: 9:10	Hold: Condition: NCF / OK

Received by OCD: 6/12/2025 1:19:15 PM

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: Julie Speer
Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2024
City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:
Client Project #
Lab Project # TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team
Site/Facility ID # (Navajo - Artesia)
P.O. #

Collected by (signature):
Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day
Date Results Needed
Quote #

Pres Chk

Analysis / Container / Preservative

Chain of Custody

Pace Analytical®
National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L771739
Table #
Acctnum: TRCATX
Template: T248765
Prelogin: P1062042
TSR: 526
PB: UB 3/13/24
Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4*125mlHDPE-NoPres	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270TX/8270DIOXANE - 100ml Amb-NoPr	Remarks	Sample # (lab only)
MW-101	Grab	GW		4/2/24	925	11	X	X	X	X	X	X						-56
MW-105	Grab	GW		4/2/24	825	11	X	X	X	X	X	X						-57
RW-2	~~Grab~~	~~GW~~				~~15~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~				~~X~~	LNAPL	
MW-61	Grab	GW		~~4/2/24~~	1140	13	X	X	X	X	X	X				X	No 1,4-D	-58
MW-62	~~Grab~~	~~GW~~				~~13~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~				~~X~~	~~No 1,4-D~~	LNAPL
MW-62R	Grab	GW		4/2/24	1010	11	X	X	X	X	X	X						-59
MW-93	~~Grab~~	~~GW~~				~~15~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~				~~X~~	LNAPL	
MW-43	Grab	GW				16	X	X	X		X	X	X	X		X		
MW-137	Grab	GW				14	X	X	X		X	X	X	X		X	No 1,4-D	
MW-137A	Grab	GW				12	X	X	X		X	X	X	X				

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier __ _____
Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Scott Ude	4/2/24	1800		2
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 675
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/3/24 Time: 9:10

If preservation required by Login: Date/Time
Hold:
Condition: NCF / OK

Released to Imaging: 6/17/2025 4:41:11 PM

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: Julie Speer
Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2024
City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:
Client Project #
Lab Project # TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team
Site/Facility ID # (Navajo - Artesia)
P.O. #

Collected by (signature):
Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day
Date Results Needed
Quote #

Pace Analytical® National Center for Testing & Innovation
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L722739
Table #
Acctnum: TRCATX
Template: T248765
Prelogin: P1062042
TSR: 526
PB: CB 3/13/24
Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4*125mlHDPE-NoPres	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270TX/8270DIOXANE - 100ml Amb-NoPr	Remarks	Sample # (lab only)
MW-138	Grab	GW				16	X	X	X		X	X	X	X		X		
MW-138A	Grab	GW				12	X	X	X		X	X	X	X				
MW-23	Grab	GW				15	X	X	X	X	X	X				X		
TEL-4	Grab	GW				11	X	X	X	X	X	X						
TEL-3	Grab	GW				11	X	X	X	X	X	X					LNAPL	
TEL-2	Grab	GW				11	X	X	X	X	X	X					LNAPL	
TEL-1	Grab	GW				11	X	X	X	X	X	X					LNAPL	
MW-39	Grab	GW				13	X	X	X	X	X	X				X	No SVOCs	LNAPL
MW-98	Grab	GW				11	X	X	X	X	X	X						
RW-10	Grab	GW				13	X	X	X	X	X	X				X	No SVOCs	LNAPL

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier __ _____
Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP __Y __N
COC Signed/Accurate: __Y __N
Bottles arrive intact: __Y __N
Correct bottles used: __Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Scott Ude	4/2/24	1800	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: °C Bottles Received: 675

Date: 4/3/24 Time: 9:00

If preservation required by Login: Date/Time

Hold:

Condition: NCF OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: Julie Speer
Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2024
City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:

Client Project #
Lab Project #: TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team
Site/Facility ID #: (Navajo - Artesia)
P.O. #

Collected by (signature):
Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day
Quote #
Date Results Needed

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 21 of 25

Pace Analytical® National Center for Testing & Innovation
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L1721739
Table #
Acctnum: TRCATX
Template: T248765
Prelogin: P1062042
TSR: 526
PB: 3/13/24
Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4*125mlHDPE-NoPres	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
MW-40	Grab	GW				13	X	X	X		X	X	X			X	No SVOCs	
MW-41	Grab	GW				13	X	X	X	X	X	X				X	No SVOCs	
RW-9	Grab	GW				11	X	X	X	X	X	X						
MW-42	Grab	GW				13	X	X	X	X	X	X				X	No SVOCs	
MW-29	Grab	GW				11	X	X	X		X	X	X					
RW-#16B	Grab	GW				11	X	X		X	X	X				X	No SVOCs	
MW-56	Grab	GW				9	X	X			X	X	X					
MW-49	Grab	GW				12	X	X	X		X	X	X	X				
MW-106	Grab	GW		4/2/24	1255	13	X	X	X	X	X	X				X	No SVOCs	60
MW-45	Grab	GW				12	X	X			X	X	X	X				

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR	If preservation required by Login: Date/Time
Scott Ude	4/2/24	1800			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 675	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/3/24 Time: 9:00	Hold: Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: Julie Speer
Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2024
City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:
Client Project #
Lab Project # TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team
Site/Facility ID # (Navajo - Artesia)
P.O. #

Collected by (signature):
Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day
Quote #
Date Results Needed

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4*125mlHDPE-NoPres	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH			Remarks	Sample # (lab only)
DUP-TEL-01	Grab	GW				11	X*	X*	X*	X*	X*	X*						
EB-TEL-01	Grab	GW				11	X*	X*	X*	X*	X*	X*						
TRIP BLANK-REST-04	Grab	GW		4/2/24	—	1	X*											
TRIP BLANK-TEL-01	Grab	GW				1	X*											-61

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

Samples returned via: __ UPS ✓ FedEx __ Courier __

pH ____ Temp ____
Flow ____ Other ____

Tracking #

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Scott Ude	4/2/24	1800	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			Paul Bruchfield

Trip Blank Received: Yes / No HCL / MeoH TBR
2

Temp: °C Bottles Received: 675

Date: 4/3/24 Time: 9:10

If preservation required by Login: Date/Time

Hold: Condition: NCF / OK

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Chain of Custody Page 22 of

Pace Analytical®
National Center for Testing & Innovation

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L# L722739
Table #
Acctnum: TRCATX
Template: T248765
Prelogin: P1062042
TSR: 526
PB: 03/13/24
Shipped Via:

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
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Report to: Julie Speer
Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2024
City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:
Client Project #
Lab Project #: TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team
Site/Facility ID #: (Navajo - Artesia)
P.O. #

Collected by (signature):
Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day
Quote #
Date Results Needed

Pres Chk: 02

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270/8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
MW-139	Grab	GW				11	X	X	X	X	X	X						
MW-50	Grab	GW				9	X	X		X	X	X						
MW-97	Grab	GW				13	X	X	X	X	X	X				X	No 1,4-D	
MW-92	Grab	GW				13	X	X	X	X	X	X				X	No SVOCs	
RW-1	Grab	GW				13	X	X	X	X	X	X				X	No SVOCs	
MW-91	Grab	GW				13	X	X	X	X	X	X				X	No SVOCs	
MW-90	Grab	GW		4/2/24	825	11	X	X	X	X	X	X						-02
MW-96	Grab	GW		4/2/24	905	11	X	X	X	X	X	X						-03
MW-94	Grab	GW				13	X	X	X	X	X	X				X	No SVOCs	
RW-8	Grab	GW				14	X	X		X	X	X			X	X	No SVOCs	

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:
pH ___ Temp ___
Flow ___ Other ___

Samples returned via: __ UPS ✓ FedEx __ Courier
Tracking #

Relinquished by : (Signature) Scott Ude | Date: 4/2/24 | Time: 1800 | Received by: (Signature) | Trip Blank Received: Yes / No (HCl) / MeoH TBR
Relinquished by : (Signature) | Date: | Time: | Received by: (Signature) | Temp: °C | Bottles Received: 675
Relinquished by : (Signature) | Date: | Time: | Received by: (Signature for lab by) | Date: 4/3/24 | Time: 9:00

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

If preservation required by Login: Date/Time
Hold:
Condition: NCF / OK

Chain of Custody Page 23 of 25

Pace Analytical
National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L1721739
Table #
Acctnum: TRCATX
Template: T248766
Prelogin: P1062043
TSR: 526
PB:
Shipped Via:

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: Julie Speer
Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2024
City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:
Client Project #
Lab Project # TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team
Site/Facility ID # (Navajo - Artesia)
P.O. #

Collected by (signature):
Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #
Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page 24 of 25

Pace Analytical® National Center for Testing & Innovation
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L1721739
Table #
Acctnum: TRCATX
Template: T248766
Prelogin: P1062043
TSR: 526
PB:
Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
MW-67	Grab	GW				14	X	X	X		X	X	X	X		X	No SVOCs	
MW-95	Grab	GW				11	X	X	X	X	X	X						
RW-7	Grab	GW				11	X	X	X	X	X	X						
~~NCL-34A~~	~~Grab~~	~~GW~~				~~9~~	~~X~~	~~X~~		~~X~~	~~X~~	~~X~~						
NCL-33	Grab	GW		4/2/24	955	9	X	X		X	X	X					LNAPL	
NCL-44	Grab	GW		4/2/24	825	9	X	X		X	X	X						-64
NCL-32	Grab	GW		4/2/24	905	9	X	X		X	X	X						-65
MW-108	Grab	GW				9	X	X		X	X	X						-66
NCL-31	Grab	GW		4/2/24	945	9	X	X		X	X	X						
MW-55	Grab	GW				12	X	X	X		X	X	X	X				-67

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier __ _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR
Scott Ude	4/2/24	1800		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 675
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/3/24 Time: 9:30

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: Julie Speer
Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2024
City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:
Client Project #
Lab Project # TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team
Site/Facility ID # (Navajo - Artesia)
P.O. #

Collected by (signature):
Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day
Quote #
Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
RW-#17A	Grab	GW				13	X*	X*	X*	X*	X*	X*				X*	No SVOCs	
MW-18	Grab	GW		4/2/24	1040	10	X*	X*			X*	X*	X*	X*				-60
MW-54A	Grab	GW				9	X*	X*		X*	X*	X*						
NCL-49	Grab	GW				9	X*	X*		X*	X*	X*						
MW-53R	Grab	GW				9	X*	X*		X*	X*	X*						
DUP-NCL-01	Grab	GW				9	X*	X*		X*	X*	X*						
EB-NCL-01	Grab	GW				9	X*	X*		X*	X*	X*						
TRIP BLANK-NCL-01	Grab	GW				1	X*											

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier __ _____
Tracking #

Trip Blank Received: Yes / No HCL / MeoH TBR

Temp: °C Bottles Received: 6 5

If preservation required by Login: Date/Time

Hold: Condition:

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Scott Ude	4/2/24	1800	
: (Signature)	Date:	Time:	Received by: (Signature)
ture)	Date:	Time:	Received for lab by: (Signature)
			Date: 4/3/24 Time: 9:10

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Chain of Custody Page 25 of 25

Pace Analytical®
National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
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Phone: 800-767-5859
Fax: 615-758-5859

L# L772739
Table #
Acctnum: TRCATX
Template: T248766
Prelogin: P1062043
TSR: 526
PB:
Shipped Via:

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LT21739

Tracking Numbers	Temperature
7320 9666 5369	0.4 +0.1 = 0.5 MS A7
6357 2236 2796	3.7 +0.1 = 3.8 MS A7
6357 9918 9838	0.5 +0.1 = 0.6 MS A7
7320 9666 7497	0.5 +0.1 = 0.6 MS A7
6643 4304 7371	0.9 +0.1 = 1.0 MS A7
6357 9917 9804	0.5 +0.1 = 0.6 MS A7
7320 9666 7512	0.2 +0.1 = 0.3 MS A7
7320 9666 7501	0.6 +0.1 = 0.7 MS A7
6357 9918 0359	1.1 +0.1 = 1.2 MS A7
7320 9666 7523	0.7 +0.1 = 0.8 MS A7
6053 5811 8050	0.2 +0.1 = 0.3 MS A7
6357 9918 0521	0.1 +0.1 = 0.2 MS A7
6357 9918 0680	3.5 +0.1 = 3.6 MS A7

Name

Date

Received by OCD: 6/12/2025 1:19:15 PM

Released to Imaging: 6/17/2025 4:41:11 PM

Page 452 of 1686

4/3-NCF-L1721739 TRCATX

R5

Time estimate: oh **Time spent:** oh

Members

Hailey Robertson (responsible) Christopher McCord

Due on *6 April 2024 8:00 AM* for target *Done*

- [x] Login Clarification needed
- [ ] Chain of custody is incomplete
- [ ] Please specify Metals requested
- [ ] Please specify TCLP requested
- [ ] Received additional samples not listed on COC
- [ ] Sample IDs on containers do not match IDs on COC
- [ ] Client did not "X" analysis
- [ ] Chain of Custody is missing
- [ ] If no COC: Received by:_____
- [ ] If no COC: Date/Time:_____
- [ ] If no COC: Temp./Cont.Rec./pH:_____
- [ ] If no COC: Carrier:_____
- [ ] If no COC: Tracking #:_____
- [ ] Client informed by call
- [ ] Client informed by Email
- [ ] Client informed by Voicemail
- [x] Date/Time: 4/3/24 16:26
- [x] PM initials: CM
- [ ] Client Contact:_____

Comments

Hailey Robertson *3 April 2024 4:13 PM*

Did not receive trip blank ID: TRIP BLANK-EP-03. Only received 2 Trip blanks total.

Christopher McCord *3 April 2024 4:26 PM*

TRIP BLANK-EP-03 not sent in with these samples.

Hailey Robertson *3 April 2024 4:27 PM*

Thank you. Done.

Received by OCD: 6/12/2025 1:19:15 PM

Released to Imaging: 6/17/2025 4:41:11 PM

ANALYTICAL REPORT

January 03, 2025

Revised Report

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

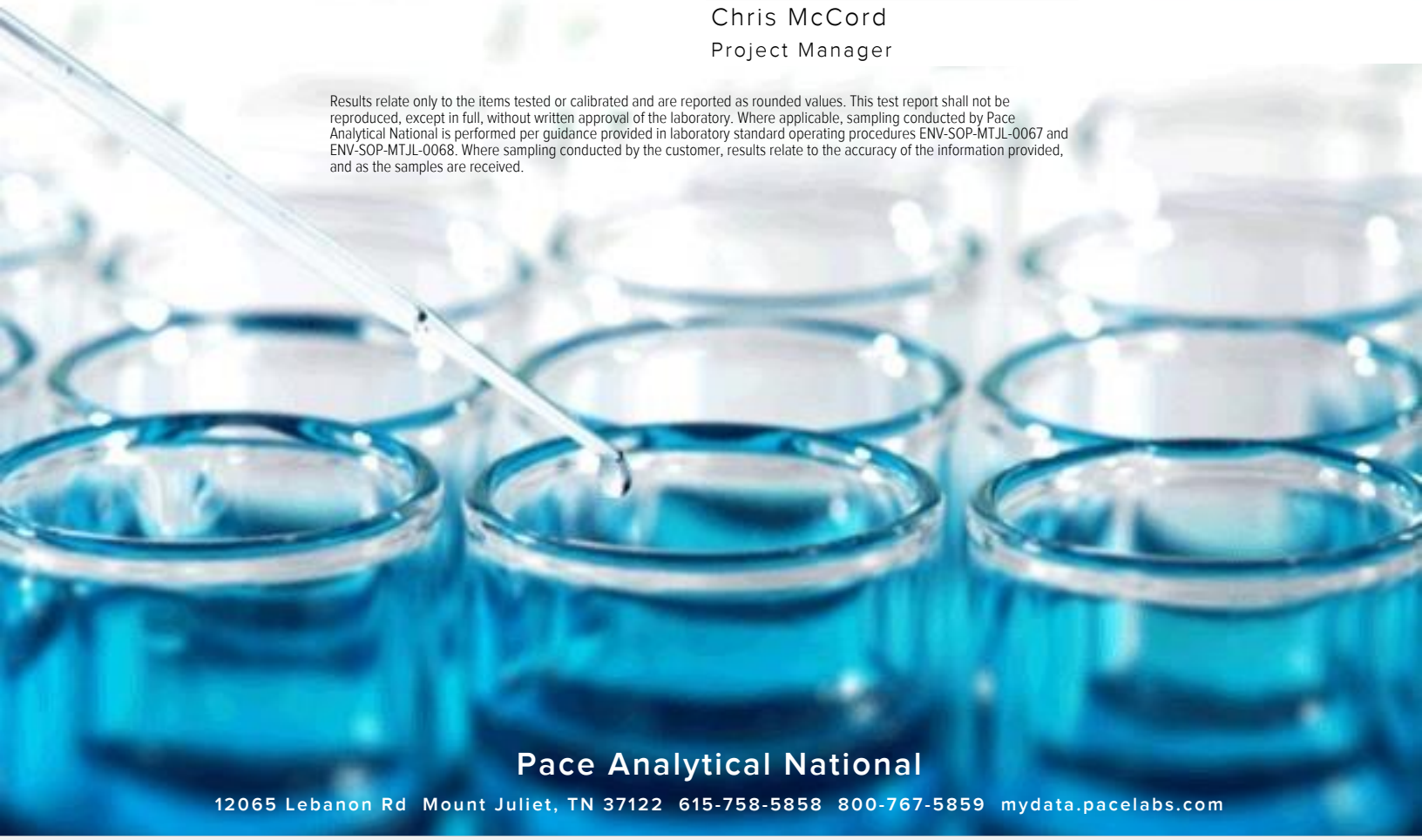
TRC Solutions - Austin, TX

Sample Delivery Group:	L1722286
Samples Received:	04/04/2024
Project Number:	
Description:	Artesia Spring 2024
Site:	(NAVAJO - ARTESIA)
Report To:	Julie Speer 505 E. Huntland Dr, Ste 250 Austin, TX 78752

Entire Report Reviewed By:

Chris McCord
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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SAMPLE SUMMARY

MW-84 L1722286-01 GW

Collected by	Collected date/time	Received date/time
Scott Ude / HMI Team	04/03/24 13:35	04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2261235	1	04/05/24 13:25	04/07/24 08:50	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260726	10	04/05/24 18:24	04/05/24 18:24	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260726	100	04/05/24 18:39	04/05/24 18:39	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261157	5	04/07/24 12:51	04/10/24 13:03	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261167	1	04/06/24 12:03	04/10/24 13:47	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261167	5	04/06/24 12:03	04/10/24 14:36	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2263732	1	04/10/24 10:48	04/10/24 10:48	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261956	10	04/06/24 23:40	04/06/24 23:40	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262911	30	04/09/24 16:11	04/10/24 23:11	MAA	Mt. Juliet, TN

MW-81 L1722286-02 GW

Collected by	Collected date/time	Received date/time
Scott Ude / HMI Team	04/03/24 03:05	04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2261235	1	04/05/24 13:25	04/07/24 08:50	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260613	10	04/05/24 00:30	04/05/24 00:30	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261157	1	04/07/24 12:51	04/10/24 01:52	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261167	1	04/06/24 12:03	04/10/24 12:28	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2263732	1	04/10/24 11:34	04/10/24 11:34	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261956	1	04/06/24 19:59	04/06/24 19:59	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262911	1.5	04/09/24 16:11	04/10/24 18:58	MAA	Mt. Juliet, TN

MW-80 L1722286-03 GW

Collected by	Collected date/time	Received date/time
Scott Ude / HMI Team	04/03/24 11:15	04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2261235	1	04/05/24 13:25	04/07/24 08:50	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260722	10	04/05/24 01:57	04/05/24 01:57	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260722	100	04/05/24 08:25	04/05/24 08:25	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261157	1	04/07/24 12:51	04/10/24 01:56	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2262490	1	04/09/24 10:18	04/14/24 13:34	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2263732	1	04/10/24 13:18	04/10/24 13:18	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261956	1	04/06/24 20:19	04/06/24 20:19	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262911	1.5	04/09/24 16:11	04/10/24 19:18	DMG	Mt. Juliet, TN

MW-79 L1722286-04 GW

Collected by	Collected date/time	Received date/time
Scott Ude / HMI Team	04/03/24 11:55	04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2261403	1	04/08/24 09:30	04/09/24 11:40	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260722	10	04/05/24 02:47	04/05/24 02:47	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260722	100	04/05/24 08:42	04/05/24 08:42	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261157	1	04/07/24 12:51	04/10/24 01:59	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2262490	1	04/09/24 10:18	04/14/24 19:55	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2263732	1	04/10/24 13:40	04/10/24 13:40	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261956	1	04/06/24 20:39	04/06/24 20:39	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262911	1.5	04/09/24 16:11	04/10/24 19:38	MAA	Mt. Juliet, TN

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

MW-82 L1722286-05 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/03/24 12:50
Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2261403	1	04/08/24 09:30	04/09/24 11:40	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260724	10	04/05/24 08:02	04/05/24 08:02	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260724	100	04/05/24 11:15	04/05/24 11:15	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2268461	10	04/17/24 05:44	04/17/24 05:44	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261157	1	04/07/24 12:51	04/10/24 02:02	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2262490	1	04/09/24 10:18	04/14/24 19:59	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2262490	5	04/09/24 10:18	04/14/24 19:13	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2263732	1	04/10/24 14:01	04/10/24 14:01	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261956	1	04/06/24 20:59	04/06/24 20:59	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262911	1.5	04/09/24 16:11	04/10/24 21:31	MAA	Mt. Juliet, TN

MW-74 L1722286-06 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/03/24 09:40
Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2266963	1	04/15/24 07:39	04/15/24 16:46	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260720	10	04/05/24 04:23	04/05/24 04:23	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260720	100	04/05/24 09:42	04/05/24 09:42	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261157	1	04/07/24 12:51	04/10/24 02:06	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2262490	1	04/09/24 10:18	04/14/24 13:21	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2262490	5	04/09/24 10:18	04/14/24 19:17	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2263732	1	04/10/24 14:23	04/10/24 14:23	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261956	1	04/06/24 21:19	04/06/24 21:19	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262911	1.5	04/09/24 16:11	04/10/24 21:51	MAA	Mt. Juliet, TN

MW-73 L1722286-07 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/03/24 08:55
Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2266963	1	04/15/24 07:39	04/15/24 16:46	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260717	10	04/04/24 23:30	04/04/24 23:30	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260717	100	04/05/24 04:56	04/05/24 04:56	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2270068	1	04/23/24 12:59	04/23/24 12:59	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261157	1	04/07/24 12:51	04/10/24 02:09	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2262490	5	04/09/24 10:18	04/14/24 19:20	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2263913	20	04/10/24 16:48	04/10/24 16:48	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261956	1	04/06/24 21:39	04/06/24 21:39	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262911	1.5	04/09/24 16:11	04/10/24 22:11	MAA	Mt. Juliet, TN

MW-130 L1722286-08 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/03/24 10:25
Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2261235	1	04/05/24 13:25	04/07/24 08:50	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260722	1	04/05/24 03:04	04/05/24 03:04	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260722	10	04/05/24 09:32	04/05/24 09:32	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261157	1	04/07/24 12:51	04/10/24 02:12	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2262490	1	04/09/24 10:18	04/14/24 20:02	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2263913	1	04/10/24 15:50	04/10/24 15:50	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261956	1	04/06/24 22:00	04/06/24 22:00	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262911	1.5	04/09/24 16:11	04/10/24 22:31	MAA	Mt. Juliet, TN

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

RW-19 L1722286-09 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/03/24 08:05 | Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2261403	1	04/08/24 09:30	04/09/24 11:40	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260715	1	04/05/24 03:55	04/05/24 03:55	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260715	10	04/05/24 07:08	04/05/24 07:08	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261157	1	04/07/24 12:51	04/10/24 02:22	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2262490	1	04/09/24 10:18	04/14/24 20:05	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261956	20	04/07/24 00:01	04/07/24 00:01	JBE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2265955	100	04/12/24 17:59	04/12/24 17:59	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2262911	7.5	04/09/24 16:11	04/11/24 00:54	MAA	Mt. Juliet, TN

EB-EP-01 L1722286-10 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/03/24 09:55 | Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2261403	1	04/08/24 09:30	04/09/24 11:40	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260720	1	04/05/24 04:39	04/05/24 04:39	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261157	1	04/07/24 12:51	04/10/24 02:26	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2262490	1	04/09/24 10:18	04/14/24 20:08	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2263913	1	04/10/24 12:36	04/10/24 12:36	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261956	1	04/06/24 18:18	04/06/24 18:18	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2263376	1	04/09/24 16:09	04/10/24 18:03	MAA	Mt. Juliet, TN

EB-EP-04 L1722286-11 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/03/24 12:10 | Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2261403	1	04/08/24 09:30	04/09/24 11:40	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260724	1	04/05/24 08:15	04/05/24 08:15	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261157	1	04/07/24 12:51	04/10/24 02:29	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2262490	1	04/09/24 10:18	04/14/24 20:12	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2263913	1	04/10/24 12:56	04/10/24 12:56	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261956	1	04/06/24 18:38	04/06/24 18:38	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2263376	1	04/09/24 16:09	04/10/24 18:23	MAA	Mt. Juliet, TN

TRIP BLANK-EP-01 L1722286-12 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/03/24 00:00 | Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261956	1	04/06/24 17:37	04/06/24 17:37	JBE	Mt. Juliet, TN

MW-10 L1722286-13 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/03/24 07:55 | Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2261403	1	04/08/24 09:30	04/09/24 11:40	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260715	10	04/05/24 04:09	04/05/24 04:09	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261157	1	04/07/24 12:51	04/10/24 02:33	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2262490	1	04/09/24 10:18	04/14/24 20:15	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2263913	20	04/10/24 17:07	04/10/24 17:07	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261956	1	04/06/24 22:20	04/06/24 22:20	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2263376	1	04/09/24 16:09	04/10/24 18:43	MAA	Mt. Juliet, TN

MW-123 L1722286-14 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/03/24 08:40
Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2261403	1	04/08/24 09:30	04/09/24 11:40	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260717	10	04/04/24 23:44	04/04/24 23:44	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260717	100	04/05/24 05:10	04/05/24 05:10	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261157	1	04/07/24 12:51	04/10/24 02:36	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2262490	1	04/09/24 10:18	04/14/24 20:18	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2263913	1	04/10/24 16:09	04/10/24 16:09	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261956	1	04/06/24 22:40	04/06/24 22:40	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2263376	1	04/09/24 16:09	04/10/24 19:03	MAA	Mt. Juliet, TN

MW-4A L1722286-15 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/03/24 09:25
Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2261403	1	04/08/24 09:30	04/09/24 11:40	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260717	10	04/05/24 00:24	04/05/24 00:24	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2270014	1	04/19/24 08:45	04/19/24 08:45	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261159	1	04/07/24 08:05	04/11/24 22:49	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2262490	1	04/09/24 10:18	04/14/24 20:22	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2263916	20	04/10/24 22:15	04/10/24 22:15	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261956	1	04/06/24 23:00	04/06/24 23:00	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2263376	1	04/09/24 16:09	04/10/24 19:23	MAA	Mt. Juliet, TN

MW-5A L1722286-16 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/03/24 10:10
Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2261235	1	04/05/24 13:25	04/07/24 08:50	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260720	10	04/05/24 04:55	04/05/24 04:55	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260720	100	04/05/24 09:58	04/05/24 09:58	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261159	5	04/07/24 08:05	04/11/24 23:39	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2262490	5	04/09/24 10:18	04/14/24 19:23	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2263916	1	04/10/24 17:20	04/10/24 17:20	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261956	1	04/06/24 23:20	04/06/24 23:20	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2263376	1	04/09/24 16:09	04/10/24 19:44	MAA	Mt. Juliet, TN

MW-7A L1722286-17 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/03/24 11:35
Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2261403	1	04/08/24 09:30	04/09/24 11:40	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260722	10	04/05/24 03:21	04/05/24 03:21	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260722	100	04/05/24 09:49	04/05/24 09:49	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261159	1	04/07/24 08:05	04/11/24 22:55	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2262490	1	04/09/24 10:18	04/14/24 21:00	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2262490	5	04/09/24 10:18	04/14/24 19:27	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2263916	1	04/10/24 17:43	04/10/24 17:43	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261965	1	04/07/24 02:02	04/07/24 02:02	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2263376	1	04/09/24 16:09	04/10/24 20:04	MAA	Mt. Juliet, TN

OCD-8A L1722286-18 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/03/24 12:20
Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2261235	1	04/05/24 13:25	04/07/24 08:50	DLS	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG2264666	1	04/11/24 11:35	04/11/24 22:56	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260724	10	04/05/24 08:28	04/05/24 08:28	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260724	100	04/05/24 11:28	04/05/24 11:28	GEB	Mt. Juliet, TN
Mercury by Method 7470A	WG2261017	1	04/05/24 18:09	04/06/24 21:59	AKB	Mt. Juliet, TN
Mercury by Method 7470A	WG2262313	10	04/07/24 22:03	04/08/24 19:31	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2261152	1	04/07/24 08:03	04/08/24 10:10	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2262486	1	04/10/24 11:58	04/10/24 21:56	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261159	5	04/07/24 08:05	04/11/24 23:26	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2262490	5	04/09/24 10:18	04/14/24 19:30	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2262490	5	04/09/24 10:18	04/14/24 23:45	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2263916	1	04/10/24 18:05	04/10/24 18:05	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261965	1	04/07/24 02:22	04/07/24 02:22	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2263376	1	04/09/24 16:09	04/10/24 20:24	MAA	Mt. Juliet, TN

DUP-EP-01 L1722286-19 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/03/24 10:20
Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2261403	1	04/08/24 09:30	04/09/24 11:40	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260720	10	04/05/24 05:11	04/05/24 05:11	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260720	100	04/05/24 10:14	04/05/24 10:14	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261159	1	04/07/24 08:05	04/12/24 00:55	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2262490	1	04/09/24 10:18	04/14/24 21:03	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2262490	5	04/09/24 10:18	04/14/24 19:33	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2263916	1	04/10/24 18:28	04/10/24 18:28	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261965	1	04/07/24 02:42	04/07/24 02:42	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2263376	1	04/09/24 16:09	04/10/24 20:44	MAA	Mt. Juliet, TN

EB-EP-03 L1722286-20 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/03/24 10:30
Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2261403	1	04/08/24 09:30	04/09/24 11:40	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260722	1	04/05/24 03:38	04/05/24 03:38	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261159	1	04/07/24 08:05	04/12/24 20:25	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2262490	1	04/09/24 10:18	04/14/24 20:25	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2263916	1	04/10/24 16:57	04/10/24 16:57	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261965	1	04/07/24 08:03	04/07/24 08:03	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2263376	1	04/09/24 16:09	04/10/24 21:04	MAA	Mt. Juliet, TN

TRIP BLANK-EP-02 L1722286-21 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/03/24 00:00
Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261965	1	04/07/24 07:22	04/07/24 07:22	JBE	Mt. Juliet, TN

OCD-1R L1722286-22 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/03/24 12:05
Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2261235	1	04/05/24 13:25	04/07/24 08:50	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260724	10	04/05/24 08:41	04/05/24 08:41	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260724	100	04/05/24 12:06	04/05/24 12:06	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261159	1	04/07/24 08:05	04/12/24 20:28	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2262490	1	04/09/24 12:40	04/14/24 20:50	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2263916	1	04/10/24 18:51	04/10/24 18:51	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261965	1	04/07/24 03:01	04/07/24 03:01	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2263376	1	04/09/24 16:09	04/10/24 21:25	MAA	Mt. Juliet, TN

OCD-2A L1722286-23 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/03/24 11:20
Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2261403	1	04/08/24 09:30	04/09/24 11:40	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260722	10	04/05/24 03:55	04/05/24 03:55	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260722	100	04/05/24 10:06	04/05/24 10:06	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261159	1	04/07/24 08:05	04/12/24 20:32	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2262490	1	04/09/24 10:18	04/14/24 21:07	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2263916	1	04/10/24 19:13	04/10/24 19:13	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261965	1	04/07/24 03:21	04/07/24 03:21	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2263376	1	04/09/24 16:09	04/10/24 21:45	MAA	Mt. Juliet, TN

OCD-3 L1722286-24 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/03/24 09:50
Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2261403	1	04/08/24 09:30	04/09/24 11:40	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260720	10	04/05/24 05:27	04/05/24 05:27	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261159	1	04/07/24 08:05	04/12/24 20:35	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2262490	1	04/09/24 10:18	04/14/24 21:10	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2263916	1	04/10/24 19:36	04/10/24 19:36	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261965	1	04/07/24 03:42	04/07/24 03:42	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2263376	1	04/09/24 16:09	04/10/24 22:05	MAA	Mt. Juliet, TN

OCD-4 L1722286-25 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/03/24 09:05
Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2261403	1	04/08/24 09:30	04/09/24 11:40	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260717	10	04/05/24 00:38	04/05/24 00:38	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260717	100	04/05/24 06:04	04/05/24 06:04	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261159	5	04/07/24 08:05	04/12/24 00:32	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2262493	1	04/09/24 10:54	04/11/24 18:23	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2262493	5	04/09/24 10:54	04/11/24 19:48	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2263916	1	04/10/24 19:59	04/10/24 19:59	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261965	1	04/07/24 04:02	04/07/24 04:02	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2263376	1	04/09/24 16:09	04/10/24 22:25	MAA	Mt. Juliet, TN

MW-11A L1722286-26 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/03/24 10:35 | Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2261403	1	04/08/24 09:30	04/09/24 11:40	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260722	10	04/05/24 04:12	04/05/24 04:12	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260722	100	04/05/24 10:23	04/05/24 10:23	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261159	5	04/07/24 08:05	04/12/24 00:35	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2262493	1	04/09/24 10:54	04/11/24 18:26	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2262493	5	04/09/24 10:54	04/11/24 19:51	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2263916	1	04/10/24 20:21	04/10/24 20:21	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261965	1	04/07/24 04:22	04/07/24 04:22	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2263376	1	04/09/24 16:09	04/10/24 22:46	MAA	Mt. Juliet, TN

OCD-5 L1722286-27 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/03/24 08:20 | Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2261403	1	04/08/24 09:30	04/09/24 11:40	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260715	10	04/05/24 04:24	04/05/24 04:24	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260715	100	04/05/24 07:38	04/05/24 07:38	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261159	5	04/07/24 08:05	04/12/24 00:38	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2262493	1	04/09/24 10:54	04/11/24 18:29	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2262493	5	04/09/24 10:54	04/11/24 19:54	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2263916	1	04/10/24 20:44	04/10/24 20:44	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261965	1	04/07/24 04:42	04/07/24 04:42	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2264118	1	04/10/24 17:39	04/11/24 10:53	DMG	Mt. Juliet, TN

MW-52 L1722286-28 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/03/24 08:25 | Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2261403	1	04/08/24 09:30	04/09/24 11:40	MMF	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG2264666	1	04/11/24 11:35	04/11/24 23:03	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260717	1	04/05/24 00:52	04/05/24 00:52	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260717	10	04/05/24 06:18	04/05/24 06:18	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2270014	1	04/19/24 08:58	04/19/24 08:58	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2261017	1	04/05/24 18:09	04/06/24 22:02	AKB	Mt. Juliet, TN
Mercury by Method 7470A	WG2262313	10	04/07/24 22:03	04/08/24 19:33	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2261152	1	04/07/24 08:03	04/08/24 10:11	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2262486	1	04/10/24 11:58	04/10/24 21:58	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261159	1	04/07/24 08:05	04/12/24 20:38	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2262493	1	04/09/24 10:54	04/11/24 18:32	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2263916	1	04/10/24 21:07	04/10/24 21:07	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261965	1	04/07/24 05:02	04/07/24 05:02	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2265501	1	04/12/24 07:49	04/15/24 10:27	MAA	Mt. Juliet, TN

MW-109 L1722286-29 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/03/24 09:05 | Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2261403	1	04/08/24 09:30	04/09/24 11:40	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260717	1	04/05/24 01:05	04/05/24 01:05	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260717	5	04/05/24 06:31	04/05/24 06:31	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2270014	1	04/19/24 09:12	04/19/24 09:12	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261159	1	04/07/24 08:05	04/12/24 20:41	JPD	Mt. Juliet, TN

MW-109 L1722286-29 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/03/24 09:05 | Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020	WG2262493	1	04/09/24 10:54	04/11/24 18:45	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2263916	10	04/10/24 21:52	04/10/24 21:52	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261965	25	04/07/24 08:23	04/07/24 08:23	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2264118	1	04/10/24 17:39	04/11/24 11:34	AUU	Mt. Juliet, TN

MW-110 L1722286-30 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/03/24 09:45 | Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2261403	1	04/08/24 09:30	04/09/24 11:40	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260720	1	04/05/24 19:11	04/05/24 19:11	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260720	10	04/05/24 11:33	04/05/24 11:33	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261159	1	04/07/24 08:05	04/12/24 20:45	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2262493	1	04/09/24 10:54	04/11/24 18:48	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2263916	1	04/10/24 21:29	04/10/24 21:29	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261965	1	04/07/24 05:22	04/07/24 05:22	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2264118	1	04/10/24 17:39	04/11/24 11:55	AUU	Mt. Juliet, TN

MW-140 L1722286-31 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/03/24 14:00 | Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2261403	1	04/08/24 09:30	04/09/24 11:40	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260726	10	04/05/24 19:24	04/05/24 19:24	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2261017	1	04/05/24 18:09	04/06/24 22:04	AKB	Mt. Juliet, TN
Mercury by Method 7470A	WG2262313	1	04/07/24 22:03	04/08/24 19:43	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2261152	1	04/07/24 08:03	04/08/24 10:13	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2262486	1	04/10/24 11:58	04/10/24 21:59	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261159	1	04/07/24 08:05	04/12/24 20:48	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2262493	1	04/09/24 10:54	04/11/24 18:52	LD	Mt. Juliet, TN

MW-141 L1722286-32 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/03/24 13:15 | Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2261405	1	04/05/24 15:11	04/07/24 14:18	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260726	10	04/05/24 19:54	04/05/24 19:54	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2261017	1	04/05/24 18:09	04/06/24 22:06	AKB	Mt. Juliet, TN
Mercury by Method 7470A	WG2262313	1	04/07/24 22:03	04/08/24 19:45	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2261152	1	04/07/24 08:03	04/08/24 10:15	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2262486	1	04/10/24 11:58	04/10/24 22:01	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261159	1	04/07/24 08:05	04/12/24 20:51	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2262493	1	04/09/24 10:54	04/11/24 18:55	LD	Mt. Juliet, TN

TRIP BLANK-EP-03 L1722286-33 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/03/24 00:00 | Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261965	1	04/07/24 07:43	04/07/24 07:43	JBE	Mt. Juliet, TN

SAMPLE SUMMARY

MW-113 L1722286-34 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/03/24 11:05 | Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2265268	1	04/12/24 09:59	04/12/24 23:43	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260722	1	04/05/24 04:29	04/05/24 04:29	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260722	10	04/05/24 10:40	04/05/24 10:40	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261159	1	04/07/24 08:05	04/12/24 20:55	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2262493	1	04/09/24 10:54	04/11/24 18:58	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2263916	20	04/10/24 22:38	04/10/24 22:38	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2264198	5	04/11/24 04:38	04/11/24 04:38	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2264118	1	04/10/24 17:39	04/11/24 12:15	AUU	Mt. Juliet, TN

MW-134 L1722286-35 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/03/24 11:25 | Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2261405	1	04/05/24 15:11	04/07/24 14:18	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260722	10	04/05/24 04:46	04/05/24 04:46	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260722	100	04/05/24 10:57	04/05/24 10:57	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2261017	1	04/05/24 18:09	04/06/24 22:09	AKB	Mt. Juliet, TN
Mercury by Method 7470A	WG2262313	1	04/07/24 22:03	04/08/24 19:48	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2261152	1	04/07/24 08:03	04/08/24 10:16	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2262486	1	04/10/24 11:58	04/10/24 22:03	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261159	1	04/07/24 08:05	04/12/24 19:02	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2262493	1	04/09/24 10:54	04/11/24 19:01	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2264519	1	04/11/24 02:41	04/11/24 02:41	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261965	1	04/07/24 05:42	04/07/24 05:42	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2264118	1	04/10/24 17:39	04/11/24 12:36	AUU	Mt. Juliet, TN

RA-4196R L1722286-36 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/03/24 10:45 | Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2265268	1	04/12/24 09:59	04/12/24 23:43	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260722	10	04/05/24 05:02	04/05/24 05:02	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260722	100	04/05/24 11:14	04/05/24 11:14	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2262493	1	04/09/24 10:54	04/11/24 19:05	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261965	1	04/07/24 06:02	04/07/24 06:02	JBE	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2262385	1.12	04/08/24 08:23	04/11/24 04:34	LTB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 C-mod	WG2261364	1	04/05/24 15:37	04/06/24 17:09	ADF	Mt. Juliet, TN

RA-313 L1722286-37 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/03/24 14:10 | Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2261405	1	04/05/24 15:11	04/07/24 14:18	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260726	1	04/05/24 20:23	04/05/24 20:23	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260726	10	04/05/24 20:38	04/05/24 20:38	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2262493	1	04/09/24 10:54	04/11/24 19:08	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261965	1	04/07/24 06:22	04/07/24 06:22	JBE	Mt. Juliet, TN

MW-20 L1722286-38 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/03/24 11:05 | Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2261405	1	04/05/24 15:11	04/07/24 14:18	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260722	10	04/05/24 05:19	04/05/24 05:19	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260722	100	04/05/24 11:31	04/05/24 11:31	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261159	1	04/07/24 08:05	04/12/24 19:05	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2262493	1	04/09/24 10:54	04/11/24 19:11	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261965	1	04/07/24 06:42	04/07/24 06:42	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2264118	1	04/10/24 17:39	04/11/24 12:56	AUU	Mt. Juliet, TN

NP-1 L1722286-39 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/03/24 10:05 | Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2261405	1	04/05/24 15:11	04/07/24 14:18	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260720	10	04/05/24 19:26	04/05/24 19:26	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2262493	1	04/09/24 10:54	04/11/24 19:15	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261980	20	04/07/24 05:26	04/07/24 05:26	JCP	Mt. Juliet, TN

MW-8 L1722286-40 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/03/24 12:25 | Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2261405	1	04/05/24 15:11	04/07/24 14:18	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260724	10	04/05/24 10:11	04/05/24 10:11	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260724	100	04/05/24 12:19	04/05/24 12:19	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261160	1	04/07/24 08:04	04/11/24 16:11	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2262493	1	04/09/24 10:54	04/11/24 19:27	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2264519	1	04/11/24 03:04	04/11/24 03:04	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261980	1	04/07/24 01:49	04/07/24 01:49	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2262853	10	04/09/24 04:34	04/09/24 04:34	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2265501	1	04/12/24 07:49	04/14/24 18:04	DMG	Mt. Juliet, TN

MW-21 L1722286-41 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/03/24 13:10 | Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2261405	1	04/05/24 15:11	04/07/24 14:18	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260724	10	04/05/24 10:49	04/05/24 10:49	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260724	100	04/05/24 12:32	04/05/24 12:32	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261160	1	04/07/24 08:04	04/11/24 16:15	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2262493	1	04/09/24 10:54	04/11/24 18:09	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2264519	1	04/11/24 03:27	04/11/24 03:27	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261980	1	04/07/24 02:10	04/07/24 02:10	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2264118	1	04/10/24 17:39	04/12/24 17:47	AUU	Mt. Juliet, TN

MW-71 L1722286-42 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/03/24 08:20 | Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2261405	1	04/05/24 15:11	04/07/24 14:18	MMF	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG2264666	2	04/11/24 11:35	04/11/24 23:05	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260715	10	04/05/24 04:39	04/05/24 04:39	DLH	Mt. Juliet, TN

MW-71 L1722286-42 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/03/24 08:20
Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2260715	100	04/05/24 08:23	04/05/24 08:23	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2261017	1	04/05/24 18:09	04/06/24 22:16	AKB	Mt. Juliet, TN
Mercury by Method 7470A	WG2262313	1	04/07/24 22:03	04/08/24 19:50	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2261152	1	04/07/24 08:03	04/08/24 10:21	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2262486	1	04/10/24 11:58	04/10/24 22:04	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261160	1	04/07/24 08:04	04/11/24 16:18	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2262493	1	04/09/24 10:55	04/11/24 19:30	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261980	1	04/07/24 02:32	04/07/24 02:32	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2265501	1	04/12/24 07:49	04/14/24 18:24	DMG	Mt. Juliet, TN

MW-68 L1722286-43 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/03/24 09:25
Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2261405	1	04/05/24 15:11	04/07/24 14:18	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260717	10	04/05/24 01:19	04/05/24 01:19	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2270014	1	04/19/24 09:53	04/19/24 09:53	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261160	1	04/07/24 08:04	04/11/24 16:21	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2262493	1	04/09/24 10:54	04/11/24 19:38	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261980	1	04/07/24 02:54	04/07/24 02:54	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2265501	1	04/12/24 07:49	04/14/24 18:45	DMG	Mt. Juliet, TN

MW-115 L1722286-44 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/03/24 13:50
Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2261405	1	04/05/24 15:11	04/07/24 14:18	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260726	10	04/05/24 20:53	04/05/24 20:53	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2261019	1	04/05/24 18:34	04/06/24 19:10	SDG	Mt. Juliet, TN
Mercury by Method 7470A	WG2262313	1	04/07/24 22:03	04/08/24 18:59	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2261152	1	04/07/24 08:03	04/08/24 10:23	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2262486	1	04/10/24 11:58	04/10/24 22:06	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261160	1	04/07/24 08:04	04/11/24 16:32	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2262493	1	04/09/24 10:54	04/11/24 19:41	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2264519	1	04/11/24 03:49	04/11/24 03:49	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261980	1	04/07/24 03:16	04/07/24 03:16	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2264118	1	04/10/24 17:39	04/11/24 14:18	AUU	Mt. Juliet, TN

MW-114 L1722286-45 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/03/24 13:10
Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2265268	1	04/12/24 09:59	04/12/24 23:43	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260724	1	04/05/24 11:02	04/05/24 11:02	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260724	20	04/05/24 12:44	04/05/24 12:44	GEB	Mt. Juliet, TN
Mercury by Method 7470A	WG2261019	1	04/05/24 18:34	04/06/24 19:13	SDG	Mt. Juliet, TN
Mercury by Method 7470A	WG2262313	1	04/07/24 22:03	04/08/24 19:53	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2261152	1	04/07/24 08:03	04/08/24 10:25	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2262486	1	04/10/24 11:58	04/10/24 22:11	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261160	1	04/07/24 08:04	04/11/24 16:36	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2262493	1	04/09/24 10:54	04/11/24 19:44	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2264519	1	04/11/24 04:12	04/11/24 04:12	DWR	Mt. Juliet, TN

MW-114 L1722286-45 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/03/24 13:10 | Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261980	1	04/07/24 03:37	04/07/24 03:37	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2264118	1	04/10/24 17:39	04/11/24 14:38	AUU	Mt. Juliet, TN

MW-125 L1722286-46 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/03/24 12:30 | Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2261405	1	04/05/24 15:11	04/07/24 14:18	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260724	10	04/05/24 10:23	04/05/24 10:23	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260724	100	04/05/24 12:57	04/05/24 12:57	GEB	Mt. Juliet, TN
Mercury by Method 7470A	WG2261019	1	04/05/24 18:34	04/06/24 19:15	SDG	Mt. Juliet, TN
Mercury by Method 7470A	WG2262313	1	04/07/24 22:03	04/08/24 19:56	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2261152	1	04/07/24 08:03	04/08/24 10:26	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2262486	1	04/10/24 11:58	04/10/24 22:13	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261160	1	04/07/24 08:04	04/11/24 16:39	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2263008	1	04/10/24 02:20	04/10/24 16:20	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2264519	1	04/11/24 04:34	04/11/24 04:34	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261980	1	04/07/24 03:59	04/07/24 03:59	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2264118	1	04/10/24 17:39	04/11/24 14:59	AUU	Mt. Juliet, TN

DUP-REST-01 L1722286-47 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/03/24 10:00 | Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2261405	1	04/05/24 15:11	04/07/24 14:18	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260720	1	04/05/24 19:42	04/05/24 19:42	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260720	10	04/05/24 12:05	04/05/24 12:05	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261160	1	04/07/24 08:04	04/11/24 16:42	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2263008	1	04/10/24 02:20	04/10/24 16:24	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2266365	1	04/14/24 16:13	04/14/24 16:13	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2262853	1	04/09/24 02:22	04/09/24 02:22	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2264118	1	04/10/24 17:39	04/11/24 15:19	AUU	Mt. Juliet, TN

EB-REST-01 L1722286-48 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/03/24 11:35 | Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2261405	1	04/05/24 15:11	04/07/24 14:18	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260722	1	04/05/24 06:10	04/05/24 06:10	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261160	1	04/07/24 08:04	04/11/24 16:46	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2263008	1	04/10/24 02:20	04/10/24 16:00	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2264519	1	04/11/24 02:19	04/11/24 02:19	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261980	1	04/07/24 01:05	04/07/24 01:05	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2265501	1	04/12/24 07:49	04/14/24 19:05	DMG	Mt. Juliet, TN

DUP-REST-03 L1722286-49 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/03/24 12:00 | Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2261405	1	04/05/24 15:11	04/07/24 14:18	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260724	10	04/05/24 10:36	04/05/24 10:36	GEB	Mt. Juliet, TN

DUP-REST-03 L1722286-49 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/03/24 12:00 | Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2260724	100	04/05/24 13:10	04/05/24 13:10	GEB	Mt. Juliet, TN
Mercury by Method 7470A	WG2261019	1	04/05/24 18:34	04/06/24 19:17	SDG	Mt. Juliet, TN
Mercury by Method 7470A	WG2262313	1	04/07/24 22:03	04/08/24 19:58	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2261152	1	04/07/24 08:03	04/08/24 10:28	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2262486	1	04/10/24 11:58	04/10/24 22:14	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261160	1	04/07/24 08:04	04/11/24 16:49	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2263008	1	04/10/24 02:20	04/10/24 16:35	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2264519	1	04/11/24 04:57	04/11/24 04:57	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261980	1	04/07/24 04:21	04/07/24 04:21	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2265501	1	04/12/24 07:49	04/14/24 19:25	DMG	Mt. Juliet, TN

EB-REST-03 L1722286-50 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/03/24 11:40 | Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2265268	1	04/12/24 09:59	04/12/24 23:43	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260722	1	04/05/24 06:27	04/05/24 06:27	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2261019	1	04/05/24 18:34	04/06/24 19:24	SDG	Mt. Juliet, TN
Mercury by Method 7470A	WG2262313	1	04/07/24 22:03	04/08/24 20:01	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2261152	1	04/07/24 08:03	04/08/24 15:31	ZSA	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2262486	1	04/10/24 11:58	04/10/24 22:16	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261160	1	04/07/24 08:04	04/11/24 16:52	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2263008	1	04/10/24 02:20	04/10/24 16:47	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2264519	1	04/11/24 01:56	04/11/24 01:56	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261980	1	04/07/24 01:27	04/07/24 01:27	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2264118	1	04/10/24 17:39	04/11/24 16:20	AUU	Mt. Juliet, TN

TRIP BLANK-REST-01 L1722286-51 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/03/24 00:00 | Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261980	1	04/07/24 00:21	04/07/24 00:21	JCP	Mt. Juliet, TN

TRIP BLANK-TMD-01 L1722286-52 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/03/24 00:00 | Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261980	1	04/07/24 00:43	04/07/24 00:43	JCP	Mt. Juliet, TN

MW-117 L1722286-53 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/03/24 08:45 | Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2265268	1	04/12/24 09:59	04/12/24 23:43	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260717	1	04/05/24 01:32	04/05/24 01:32	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260717	20	04/05/24 06:58	04/05/24 06:58	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2270014	1	04/19/24 10:05	04/19/24 10:05	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2261019	1	04/05/24 18:34	04/06/24 19:26	SDG	Mt. Juliet, TN
Mercury by Method 7470A	WG2262313	1	04/07/24 22:03	04/08/24 20:03	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2261152	1	04/07/24 08:03	04/08/24 10:33	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2262486	1	04/10/24 11:58	04/10/24 22:18	DJS	Mt. Juliet, TN

MW-117 L1722286-53 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/03/24 08:45 | Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020	WG2261160	1	04/07/24 08:04	04/11/24 16:56	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2263008	1	04/10/24 02:20	04/10/24 16:50	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2264519	1	04/11/24 05:20	04/11/24 05:20	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261980	1	04/07/24 04:43	04/07/24 04:43	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2264118	1	04/10/24 17:39	04/11/24 17:00	AUU	Mt. Juliet, TN

KWB-2R L1722286-54 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/03/24 09:35 | Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2265268	1	04/12/24 09:59	04/12/24 23:43	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260717	1	04/05/24 01:46	04/05/24 01:46	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260717	20	04/05/24 07:12	04/05/24 07:12	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2270014	1	04/19/24 10:18	04/19/24 10:18	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261160	1	04/07/24 08:04	04/11/24 16:59	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2263008	1	04/10/24 02:20	04/10/24 16:54	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2262853	1	04/09/24 02:45	04/09/24 02:45	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2264620	1	04/11/24 18:34	04/13/24 14:22	KAP	Mt. Juliet, TN

MW-103 L1722286-55 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/03/24 08:05 | Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2263011	1	04/09/24 12:17	04/09/24 16:58	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260715	10	04/05/24 05:24	04/05/24 05:24	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260715	100	04/05/24 08:38	04/05/24 08:38	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261160	1	04/07/24 08:04	04/11/24 17:10	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2263008	1	04/10/24 02:20	04/10/24 16:57	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2263008	5	04/10/24 02:20	04/10/24 17:44	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2264519	5	04/11/24 08:21	04/11/24 08:21	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261980	10	04/07/24 06:31	04/07/24 06:31	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2264620	1	04/11/24 18:34	04/12/24 12:47	JAS	Mt. Juliet, TN

MW-104 L1722286-56 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/03/24 09:05 | Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2263069	1	04/09/24 09:43	04/10/24 15:13	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260717	1	04/05/24 02:00	04/05/24 02:00	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260717	5	04/05/24 07:26	04/05/24 07:26	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2270014	1	04/19/24 10:32	04/19/24 10:32	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261160	1	04/07/24 08:04	04/11/24 17:13	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2263008	1	04/10/24 02:20	04/10/24 17:00	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2264519	1	04/11/24 05:42	04/11/24 05:42	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261980	1	04/07/24 05:04	04/07/24 05:04	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2266475	1	04/13/24 17:24	04/16/24 02:36	MAA	Mt. Juliet, TN

MW-64 L1722286-57 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/03/24 09:55
Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2263011	1	04/09/24 12:17	04/09/24 16:58	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260720	1	04/05/24 19:58	04/05/24 19:58	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260720	10	04/05/24 12:21	04/05/24 12:21	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261160	1	04/07/24 08:04	04/11/24 15:58	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261160	5	04/07/24 08:04	04/11/24 17:36	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2263008	1	04/10/24 02:20	04/10/24 17:04	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2264519	25	04/11/24 08:44	04/11/24 08:44	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261980	500	04/07/24 06:53	04/07/24 06:53	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2264620	1	04/11/24 18:34	04/12/24 13:27	JAS	Mt. Juliet, TN

MW-65 L1722286-58 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/03/24 10:40
Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2263011	1	04/09/24 12:17	04/09/24 16:58	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260722	1	04/05/24 07:17	04/05/24 07:17	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260722	5	04/05/24 11:48	04/05/24 11:48	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261160	1	04/07/24 08:04	04/11/24 17:16	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2263008	1	04/10/24 02:20	04/10/24 17:07	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2264519	1	04/11/24 06:05	04/11/24 06:05	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2261980	25	04/07/24 07:15	04/07/24 07:15	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2266475	1	04/13/24 17:24	04/16/24 02:56	MAA	Mt. Juliet, TN

RW-4 L1722286-59 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/03/24 11:20
Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2263011	1	04/09/24 12:17	04/09/24 16:58	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260722	1	04/05/24 07:34	04/05/24 07:34	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260722	5	04/05/24 12:04	04/05/24 12:04	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261160	1	04/07/24 08:04	04/11/24 17:19	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2263008	1	04/10/24 02:20	04/10/24 17:10	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2262010	1	04/07/24 01:02	04/07/24 01:02	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2264620	1	04/11/24 18:34	04/13/24 14:42	KAP	Mt. Juliet, TN

MW-116 L1722286-60 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/03/24 13:15
Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2263011	1	04/09/24 12:17	04/09/24 16:58	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260726	10	04/05/24 21:23	04/05/24 21:23	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260726	100	04/05/24 21:38	04/05/24 21:38	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2261019	1	04/05/24 18:34	04/06/24 19:29	SDG	Mt. Juliet, TN
Mercury by Method 7470A	WG2262313	1	04/07/24 22:03	04/08/24 20:06	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2261155	1	04/06/24 00:20	04/09/24 16:34	ZSA	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2262487	1	04/09/24 17:15	04/09/24 20:31	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261160	1	04/07/24 08:04	04/11/24 17:23	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2263008	1	04/10/24 02:20	04/10/24 17:14	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2264519	1	04/11/24 06:28	04/11/24 06:28	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2262010	1	04/07/24 01:23	04/07/24 01:23	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2264620	1	04/11/24 18:34	04/13/24 13:01	KAP	Mt. Juliet, TN

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

MW-46R L1722286-61 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/03/24 10:25 | Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2263011	1	04/09/24 12:17	04/09/24 16:58	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260722	1	04/05/24 07:51	04/05/24 07:51	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260722	20	04/05/24 12:55	04/05/24 12:55	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261160	1	04/07/24 08:04	04/11/24 17:26	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2263008	1	04/10/24 02:20	04/10/24 17:28	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2262010	1	04/07/24 01:45	04/07/24 01:45	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2268082	1	04/16/24 18:06	04/17/24 02:52	TJD	Mt. Juliet, TN

TRIP BLANK-REST-03 L1722286-62 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/03/24 00:00 | Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2262010	1	04/06/24 23:16	04/06/24 23:16	JCP	Mt. Juliet, TN

TEL-4 L1722286-63 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/03/24 07:55 | Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2263069	1	04/09/24 09:43	04/10/24 15:13	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260715	1	04/05/24 05:39	04/05/24 05:39	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260715	10	04/05/24 08:53	04/05/24 08:53	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261161	1	04/08/24 13:31	04/11/24 20:41	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2263008	1	04/10/24 02:20	04/10/24 17:31	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2264519	1	04/11/24 06:51	04/11/24 06:51	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2262010	1	04/07/24 02:06	04/07/24 02:06	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2264620	1	04/11/24 18:34	04/12/24 15:08	JAS	Mt. Juliet, TN

MW-98 L1722286-64 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/03/24 09:25 | Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2263080	1	04/09/24 11:24	04/10/24 19:21	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260717	1	04/05/24 02:13	04/05/24 02:13	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260717	50	04/05/24 07:39	04/05/24 07:39	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2270014	1	04/19/24 10:45	04/19/24 10:45	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261161	1	04/08/24 13:31	04/11/24 20:45	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2263008	1	04/10/24 02:20	04/10/24 17:34	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2264519	20	04/11/24 09:07	04/11/24 09:07	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2262010	50	04/07/24 04:56	04/07/24 04:56	AV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2264620	1	04/11/24 18:34	04/12/24 15:28	JAS	Mt. Juliet, TN

RW-9 L1722286-65 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/03/24 10:25 | Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2263080	1	04/09/24 11:24	04/10/24 19:21	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260720	10	04/05/24 20:14	04/05/24 20:14	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261161	1	04/08/24 13:31	04/11/24 20:48	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2263008	1	04/10/24 02:20	04/10/24 17:38	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2264519	1	04/11/24 07:13	04/11/24 07:13	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2262010	10	04/07/24 05:17	04/07/24 05:17	JCP	Mt. Juliet, TN

RW-9 L1722286-65 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/03/24 10:25
Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2264620	1	04/11/24 18:34	04/12/24 15:49	JAS	Mt. Juliet, TN

MW-29 L1722286-66 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/03/24 11:25
Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2263080	1	04/09/24 11:24	04/10/24 19:21	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260724	1	04/05/24 06:58	04/05/24 06:58	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260724	20	04/05/24 13:23	04/05/24 13:23	GEB	Mt. Juliet, TN
Mercury by Method 7470A	WG2261019	1	04/05/24 18:34	04/06/24 19:31	SDG	Mt. Juliet, TN
Mercury by Method 7470A	WG2261024	1	04/05/24 18:31	04/06/24 17:17	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2261155	1	04/06/24 00:20	04/09/24 16:36	ZSA	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2262487	1	04/09/24 17:15	04/09/24 20:33	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261161	1	04/08/24 13:31	04/11/24 20:51	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2263008	1	04/10/24 02:20	04/10/24 17:41	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2264519	1	04/11/24 07:36	04/11/24 07:36	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2262010	1	04/07/24 02:27	04/07/24 02:27	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2264620	1	04/11/24 18:34	04/12/24 16:09	JAS	Mt. Juliet, TN

MW-56 L1722286-67 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/03/24 08:40
Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2263080	1	04/09/24 11:24	04/10/24 19:21	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260717	1	04/05/24 03:35	04/05/24 03:35	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260717	20	04/05/24 07:53	04/05/24 07:53	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2270305	1	04/19/24 16:04	04/19/24 16:04	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2261019	1	04/05/24 18:34	04/06/24 19:34	SDG	Mt. Juliet, TN
Mercury by Method 7470A	WG2261024	1	04/05/24 18:31	04/06/24 17:19	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2261155	1	04/06/24 00:20	04/09/24 16:37	ZSA	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2262487	1	04/09/24 17:15	04/09/24 20:34	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261161	1	04/08/24 13:31	04/11/24 21:21	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2263015	1	04/10/24 17:44	04/13/24 18:19	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2262010	1	04/07/24 02:48	04/07/24 02:48	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2264620	1	04/11/24 18:34	04/13/24 13:22	KAP	Mt. Juliet, TN

MW-49 L1722286-68 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/03/24 09:30
Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2263080	1	04/09/24 11:24	04/10/24 19:21	MMF	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG2264666	2	04/11/24 11:35	04/11/24 23:06	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260717	1	04/05/24 03:48	04/05/24 03:48	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260717	5	04/05/24 08:33	04/05/24 08:33	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2270305	1	04/19/24 16:59	04/19/24 16:59	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2261019	1	04/05/24 18:34	04/06/24 19:36	SDG	Mt. Juliet, TN
Mercury by Method 7470A	WG2261024	1	04/05/24 18:31	04/06/24 17:21	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2261155	1	04/06/24 00:20	04/09/24 16:39	ZSA	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2262487	1	04/09/24 17:15	04/09/24 20:36	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261161	1	04/08/24 13:31	04/11/24 21:25	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2263015	1	04/10/24 17:44	04/13/24 18:32	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2265144	10	04/11/24 23:32	04/11/24 23:32	ACG	Mt. Juliet, TN

MW-49 L1722286-68 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/03/24 09:30 | Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2262010	10	04/07/24 05:39	04/07/24 05:39	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2264620	1	04/11/24 18:34	04/12/24 16:55	JAS	Mt. Juliet, TN

MW-45 L1722286-69 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/03/24 10:20 | Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2263080	1	04/09/24 11:24	04/10/24 19:21	MMF	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG2264666	1	04/11/24 11:35	04/11/24 23:09	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260720	10	04/05/24 20:30	04/05/24 20:30	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260720	100	04/05/24 12:53	04/05/24 12:53	GEB	Mt. Juliet, TN
Mercury by Method 7470A	WG2261019	1	04/05/24 18:34	04/06/24 19:38	SDG	Mt. Juliet, TN
Mercury by Method 7470A	WG2261024	1	04/05/24 18:31	04/06/24 17:28	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2261155	1	04/06/24 00:20	04/09/24 16:44	ZSA	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2262487	1	04/09/24 17:15	04/09/24 20:41	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261161	1	04/08/24 13:31	04/11/24 21:28	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2263015	1	04/10/24 17:44	04/13/24 18:36	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2262010	1	04/07/24 03:10	04/07/24 03:10	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2264620	1	04/11/24 18:34	04/12/24 17:15	JAS	Mt. Juliet, TN

DUP-TEL-01 L1722286-70 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/03/24 09:00 | Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2263080	1	04/09/24 11:24	04/10/24 19:21	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260717	1	04/05/24 04:02	04/05/24 04:02	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260717	10	04/05/24 08:47	04/05/24 08:47	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2270305	1	04/19/24 17:12	04/19/24 17:12	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261161	1	04/08/24 13:31	04/11/24 21:31	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2263015	1	04/10/24 17:44	04/13/24 18:39	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2264522	1	04/11/24 01:52	04/11/24 01:52	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2262010	1	04/07/24 03:31	04/07/24 03:31	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2264621	1	04/11/24 18:37	04/12/24 10:44	MAA	Mt. Juliet, TN

EB-TEL-01 L1722286-71 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/03/24 08:20 | Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2263080	1	04/09/24 11:24	04/10/24 19:21	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260715	1	04/05/24 05:54	04/05/24 05:54	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261161	1	04/08/24 13:31	04/11/24 21:34	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2263015	1	04/10/24 17:44	04/13/24 18:42	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2264522	1	04/11/24 01:33	04/11/24 01:33	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2262010	1	04/06/24 23:58	04/06/24 23:58	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2264621	1	04/11/24 18:37	04/12/24 11:04	MAA	Mt. Juliet, TN

TRIP BLANK-TEL-01 L1722286-72 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/03/24 00:00 | Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2262010	1	04/06/24 23:37	04/06/24 23:37	JCP	Mt. Juliet, TN

MW-139 L1722286-73 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/03/24 11:05 | Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2263069	1	04/09/24 09:43	04/10/24 15:13	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260724	10	04/05/24 07:11	04/05/24 07:11	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261161	1	04/08/24 13:31	04/11/24 21:38	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2263015	1	04/10/24 17:44	04/13/24 18:52	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2264522	1	04/11/24 02:12	04/11/24 02:12	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2262010	1	04/07/24 03:52	04/07/24 03:52	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2264621	1	04/11/24 18:37	04/12/24 11:24	MAA	Mt. Juliet, TN

MW-50 L1722286-74 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/03/24 11:45 | Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2263069	1	04/09/24 09:43	04/10/24 15:13	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260724	10	04/05/24 07:24	04/05/24 07:24	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260724	100	04/05/24 13:48	04/05/24 13:48	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261161	1	04/08/24 13:31	04/11/24 20:28	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2263015	1	04/10/24 17:44	04/13/24 18:56	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2262010	1	04/07/24 04:14	04/07/24 04:14	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2266295	1	04/13/24 10:41	04/13/24 21:08	DMG	Mt. Juliet, TN

MW-108 L1722286-75 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/03/24 12:25 | Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2263080	1	04/09/24 11:24	04/10/24 19:21	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260724	1	04/05/24 07:37	04/05/24 07:37	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260724	10	04/05/24 14:01	04/05/24 14:01	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261161	1	04/08/24 13:31	04/11/24 21:41	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2263015	1	04/10/24 17:44	04/13/24 18:59	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2262010	1	04/07/24 04:35	04/07/24 04:35	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2264621	1	04/11/24 18:37	04/12/24 12:05	MAA	Mt. Juliet, TN

MW-55 L1722286-76 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/03/24 11:15 | Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2263069	1	04/09/24 09:43	04/10/24 15:13	DLS	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG2265273	1	04/11/24 19:10	04/12/24 01:15	JAS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260724	1	04/05/24 07:50	04/05/24 07:50	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260724	5	04/05/24 14:40	04/05/24 14:40	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2268461	1	04/17/24 07:20	04/17/24 07:20	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2261019	1	04/05/24 18:34	04/06/24 19:40	SDG	Mt. Juliet, TN
Mercury by Method 7470A	WG2261024	1	04/05/24 18:31	04/06/24 17:30	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2261155	1	04/06/24 00:20	04/09/24 16:46	ZSA	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2262487	1	04/09/24 17:15	04/09/24 20:43	JTM	Mt. Juliet, TN

MW-55 L1722286-76 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/03/24 11:15 | Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020	WG2261161	1	04/08/24 13:31	04/11/24 21:44	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2263015	1	04/10/24 17:44	04/13/24 19:02	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2264522	1	04/11/24 02:31	04/11/24 02:31	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2262010	10	04/07/24 06:00	04/07/24 06:00	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2266295	1	04/13/24 10:41	04/13/24 22:29	DMG	Mt. Juliet, TN

MW-54A L1722286-77 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/03/24 10:15 | Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2263080	1	04/09/24 11:24	04/10/24 19:21	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260720	10	04/05/24 20:46	04/05/24 20:46	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261161	1	04/08/24 13:31	04/11/24 21:48	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2263015	1	04/10/24 17:44	04/13/24 19:05	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2262024	1	04/07/24 01:54	04/07/24 01:54	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2264621	1	04/11/24 18:37	04/12/24 12:45	MAA	Mt. Juliet, TN

NCL-49 L1722286-78 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/03/24 09:15 | Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2263069	1	04/09/24 09:43	04/10/24 15:13	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260717	10	04/05/24 04:15	04/05/24 04:15	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260717	100	04/05/24 09:00	04/05/24 09:00	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261161	1	04/08/24 13:31	04/11/24 21:51	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2263015	1	04/10/24 17:44	04/13/24 19:09	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2262024	1	04/07/24 02:15	04/07/24 02:15	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2266295	1	04/13/24 10:41	04/13/24 19:08	DMG	Mt. Juliet, TN

MW-53R L1722286-79 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/03/24 08:25 | Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2263069	1	04/09/24 09:43	04/10/24 15:13	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260717	1	04/05/24 04:29	04/05/24 04:29	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260717	10	04/05/24 09:13	04/05/24 09:13	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2270305	1	04/19/24 17:26	04/19/24 17:26	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261161	1	04/08/24 13:31	04/11/24 22:03	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2263015	1	04/10/24 17:44	04/13/24 19:12	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2262024	1	04/07/24 02:37	04/07/24 02:37	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2264621	1	04/11/24 18:37	04/13/24 12:07	MAA	Mt. Juliet, TN

DUP-NCL-01 L1722286-80 GW

Collected by: Scott Ude / HMI Team | Collected date/time: 04/03/24 09:00 | Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2263069	1	04/09/24 09:43	04/10/24 15:13	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260717	10	04/05/24 04:43	04/05/24 04:43	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260717	100	04/05/24 09:26	04/05/24 09:26	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261161	1	04/08/24 13:31	04/11/24 22:06	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2263015	1	04/10/24 17:44	04/13/24 19:15	SJM	Mt. Juliet, TN

DUP-NCL-01 L1722286-80 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/03/24 09:00
Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2262024	1	04/07/24 02:58	04/07/24 02:58	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2264621	1	04/11/24 18:37	04/12/24 13:46	MAA	Mt. Juliet, TN

EB-NCL-01 L1722286-81 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/03/24 09:35
Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2263069	1	04/09/24 09:43	04/10/24 15:13	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2260720	1	04/05/24 21:02	04/05/24 21:02	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2261161	1	04/08/24 13:31	04/11/24 22:09	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2263015	1	04/10/24 17:44	04/13/24 19:19	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2262024	1	04/07/24 01:33	04/07/24 01:33	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2264621	1	04/11/24 18:37	04/12/24 14:06	MAA	Mt. Juliet, TN

TRIP BLANK-NCL-01 L1722286-82 GW

Collected by: Scott Ude / HMI Team
Collected date/time: 04/03/24 00:00
Received date/time: 04/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2262024	1	04/07/24 01:11	04/07/24 01:11	DYW	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Chris McCord
Project Manager

Report Revision History

Level II Report - Version 1: 04/30/24 10:17

Project Narrative

1/2/25: Revised to correct data reporting on -79.

Sample Delivery Group (SDG) Narrative

pH outside of method requirement.

Lab Sample ID	Project Sample ID	Method
L1722286-58	MW-65	3511/8015

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	6860		200	1	04/07/2024 08:50	WG2261235

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1330		3.79	10.0	10	04/05/2024 18:24	WG2260726
Fluoride	5.94		0.640	1.50	10	04/05/2024 18:24	WG2260726
Nitrate	U	Q	0.480	1.00	10	04/05/2024 18:24	WG2260726
Nitrite	U	Q	0.420	1.00	10	04/05/2024 18:24	WG2260726
Sulfate	4390		59.4	500	100	04/05/2024 18:39	WG2260726

Sample Narrative:

L1722286-01 WG2260726: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.140		0.000180	0.00200	1	04/10/2024 13:47	WG2261167
Arsenic,Dissolved	0.0864		0.000900	0.0100	5	04/10/2024 13:03	WG2261157
Barium	0.0111		0.000381	0.00200	1	04/10/2024 13:47	WG2261167
Barium,Dissolved	0.0109		0.00190	0.0100	5	04/10/2024 13:03	WG2261157
Calcium	581		0.0936	1.00	1	04/10/2024 13:47	WG2261167
Chromium	0.00392		0.00124	0.00200	1	04/10/2024 13:47	WG2261167
Chromium,Dissolved	0.00631	J	0.00620	0.0100	5	04/10/2024 13:03	WG2261157
Iron	4.12		0.0281	0.100	1	04/10/2024 13:47	WG2261167
Iron,Dissolved	0.898		0.140	0.500	5	04/10/2024 13:03	WG2261157
Lead	U		0.000849	0.00200	1	04/10/2024 13:47	WG2261167
Lead,Dissolved	U		0.00424	0.0100	5	04/10/2024 13:03	WG2261157
Manganese	2.38		0.000704	0.00500	1	04/10/2024 13:47	WG2261167
Manganese,Dissolved	2.23		0.00352	0.0250	5	04/10/2024 13:03	WG2261157
Potassium	6.23		0.108	2.00	1	04/10/2024 13:47	WG2261167
Selenium	0.00571		0.000300	0.00200	1	04/10/2024 13:47	WG2261167
Selenium,Dissolved	0.00571	J	0.00150	0.0100	5	04/10/2024 13:03	WG2261157
Sodium	1410		1.88	10.0	5	04/10/2024 14:36	WG2261167

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.397		0.0314	0.100	1	04/10/2024 10:48	WG2263732
(S) a,a,a-Trifluorotoluene(FID)	*103*			*78.0-120*		*04/10/2024 10:48*	WG2263732

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.113	0.500	10	04/06/2024 23:40	WG2261956
Benzene	U		0.000941	0.0100	10	04/06/2024 23:40	WG2261956
Bromodichloromethane	U		0.00136	0.0100	10	04/06/2024 23:40	WG2261956
Bromoform	U		0.00129	0.0100	10	04/06/2024 23:40	WG2261956
Bromomethane	U		0.00605	0.0500	10	04/06/2024 23:40	WG2261956
n-Butylbenzene	U		0.00157	0.0100	10	04/06/2024 23:40	WG2261956
sec-Butylbenzene	U		0.00125	0.0100	10	04/06/2024 23:40	WG2261956
Carbon disulfide	U		0.000962	0.0100	10	04/06/2024 23:40	WG2261956
Carbon tetrachloride	U		0.00128	0.0100	10	04/06/2024 23:40	WG2261956

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.00116	0.0100	10	04/06/2024 23:40	WG2261956
Chlorodibromomethane	U		0.00140	0.0100	10	04/06/2024 23:40	WG2261956
Chloroethane	U		0.00192	0.0500	10	04/06/2024 23:40	WG2261956
Chloroform	U		0.00111	0.0500	10	04/06/2024 23:40	WG2261956
Chloromethane	U		0.00960	0.0250	10	04/06/2024 23:40	WG2261956
1,2-Dibromoethane	U		0.00126	0.0100	10	04/06/2024 23:40	WG2261956
1,1-Dichloroethane	U		0.00100	0.0100	10	04/06/2024 23:40	WG2261956
1,2-Dichloroethane	U		0.000819	0.0100	10	04/06/2024 23:40	WG2261956
1,1-Dichloroethene	U		0.00188	0.0100	10	04/06/2024 23:40	WG2261956
cis-1,2-Dichloroethene	U		0.00126	0.0100	10	04/06/2024 23:40	WG2261956
trans-1,2-Dichloroethene	U		0.00149	0.0100	10	04/06/2024 23:40	WG2261956
1,2-Dichloropropane	U		0.00149	0.0100	10	04/06/2024 23:40	WG2261956
cis-1,3-Dichloropropene	U		0.00111	0.0100	10	04/06/2024 23:40	WG2261956
trans-1,3-Dichloropropene	U		0.00118	0.0100	10	04/06/2024 23:40	WG2261956
Ethylbenzene	U		0.00137	0.0100	10	04/06/2024 23:40	WG2261956
Isopropylbenzene	U		0.00105	0.0100	10	04/06/2024 23:40	WG2261956
p-Isopropyltoluene	U		0.00120	0.0100	10	04/06/2024 23:40	WG2261956
2-Butanone (MEK)	U		0.0119	0.100	10	04/06/2024 23:40	WG2261956
2-Hexanone	U		0.00787	0.100	10	04/06/2024 23:40	WG2261956
Methylene Chloride	U		0.00430	0.0500	10	04/06/2024 23:40	WG2261956
4-Methyl-2-pentanone (MIBK)	U		0.00478	0.100	10	04/06/2024 23:40	WG2261956
Methyl tert-butyl ether	U		0.00101	0.0100	10	04/06/2024 23:40	WG2261956
Naphthalene	U		0.0100	0.0500	10	04/06/2024 23:40	WG2261956
n-Propylbenzene	U		0.000993	0.0100	10	04/06/2024 23:40	WG2261956
Styrene	U		0.00118	0.0100	10	04/06/2024 23:40	WG2261956
tert-Butyl alcohol	U		0.0406	0.0500	10	04/06/2024 23:40	WG2261956
1,1,1,2-Tetrachloroethane	U		0.00147	0.0100	10	04/06/2024 23:40	WG2261956
1,1,2,2-Tetrachloroethane	U		0.00133	0.0100	10	04/06/2024 23:40	WG2261956
Tetrachloroethene	U		0.00300	0.0100	10	04/06/2024 23:40	WG2261956
Toluene	U		0.00278	0.0100	10	04/06/2024 23:40	WG2261956
1,1,1-Trichloroethane	U		0.00149	0.0100	10	04/06/2024 23:40	WG2261956
1,1,2-Trichloroethane	U		0.00158	0.0100	10	04/06/2024 23:40	WG2261956
Trichloroethene	U	J4	0.00190	0.0100	10	04/06/2024 23:40	WG2261956
1,2,4-Trimethylbenzene	U		0.00322	0.0100	10	04/06/2024 23:40	WG2261956
1,3,5-Trimethylbenzene	U		0.00104	0.0100	10	04/06/2024 23:40	WG2261956
Vinyl chloride	U		0.00234	0.0100	10	04/06/2024 23:40	WG2261956
o-Xylene	U		0.00174	0.0100	10	04/06/2024 23:40	WG2261956
m&p-Xylene	U		0.00430	0.0200	10	04/06/2024 23:40	WG2261956
Xylenes, Total	U		0.00174	0.0300	10	04/06/2024 23:40	WG2261956
(S) Toluene-d8	*114*			*80.0-120*		*04/06/2024 23:40*	WG2261956
(S) 4-Bromofluorobenzene	*90.9*			*77.0-126*		*04/06/2024 23:40*	WG2261956
(S) 1,2-Dichloroethane-d4	*86.6*			*70.0-130*		*04/06/2024 23:40*	WG2261956

Sample Narrative:

L1722286-01 WG2261956: Dilution due to foam.

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	54.9		0.741	3.00	30	04/10/2024 23:11	WG2262911
(S) o-Terphenyl	*0.000*	J7		*52.0-156*		*04/10/2024 23:11*	WG2262911

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	3620		100	1	04/07/2024 08:50	WG2261235

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	937		3.79	10.0	10	04/05/2024 00:30	WG2260613
Fluoride	6.25		0.640	1.50	10	04/05/2024 00:30	WG2260613
Nitrate	10.6		0.480	1.00	10	04/05/2024 00:30	WG2260613
Nitrite	1.71		0.420	1.00	10	04/05/2024 00:30	WG2260613
Sulfate	1980		5.94	50.0	10	04/05/2024 00:30	WG2260613

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.00645		0.000180	0.00200	1	04/10/2024 12:28	WG2261167
Arsenic,Dissolved	0.00627		0.000180	0.00200	1	04/10/2024 01:52	WG2261157
Barium	0.0131		0.000381	0.00200	1	04/10/2024 12:28	WG2261167
Barium,Dissolved	0.0132		0.000381	0.00200	1	04/10/2024 01:52	WG2261157
Calcium	465		0.0936	1.00	1	04/10/2024 12:28	WG2261167
Chromium	U		0.00124	0.00200	1	04/10/2024 12:28	WG2261167
Chromium,Dissolved	U		0.00124	0.00200	1	04/10/2024 01:52	WG2261157
Iron	U		0.0281	0.100	1	04/10/2024 12:28	WG2261167
Iron,Dissolved	U		0.0281	0.100	1	04/10/2024 01:52	WG2261157
Lead	U		0.000849	0.00200	1	04/10/2024 12:28	WG2261167
Lead,Dissolved	U		0.000849	0.00200	1	04/10/2024 01:52	WG2261157
Manganese	0.0267		0.000704	0.00500	1	04/10/2024 12:28	WG2261167
Manganese,Dissolved	0.0121		0.000704	0.00500	1	04/10/2024 01:52	WG2261157
Potassium	6.40		0.108	2.00	1	04/10/2024 12:28	WG2261167
Selenium	0.00995		0.000300	0.00200	1	04/10/2024 12:28	WG2261167
Selenium,Dissolved	0.0101		0.000300	0.00200	1	04/10/2024 01:52	WG2261157
Sodium	934		0.376	2.00	1	04/10/2024 12:28	WG2261167

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/10/2024 11:34	WG2263732
(S) a,a,a-Trifluorotoluene(FID)	*103*			*78.0-120*		*04/10/2024 11:34*	WG2263732

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		0.0113	0.0500	1	04/06/2024 19:59	WG2261956
Benzene	U		0.0000941	0.00100	1	04/06/2024 19:59	WG2261956
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 19:59	WG2261956
Bromoform	U		0.000129	0.00100	1	04/06/2024 19:59	WG2261956
Bromomethane	U		0.000605	0.00500	1	04/06/2024 19:59	WG2261956
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 19:59	WG2261956
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2024 19:59	WG2261956
Carbon disulfide	U		0.0000962	0.00100	1	04/06/2024 19:59	WG2261956
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 19:59	WG2261956
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 19:59	WG2261956
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 19:59	WG2261956
Chloroethane	U		0.000192	0.00500	1	04/06/2024 19:59	WG2261956

MW-01
Collected date/time: 04/03/24 03:05
L1722286

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloroform	U		0.000111	0.00500	1	04/06/2024 19:59	WG2261956
Chloromethane	U		0.000960	0.00250	1	04/06/2024 19:59	WG2261956
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 19:59	WG2261956
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 19:59	WG2261956
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 19:59	WG2261956
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 19:59	WG2261956
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 19:59	WG2261956
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 19:59	WG2261956
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 19:59	WG2261956
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 19:59	WG2261956
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 19:59	WG2261956
Ethylbenzene	U		0.000137	0.00100	1	04/06/2024 19:59	WG2261956
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2024 19:59	WG2261956
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 19:59	WG2261956
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 19:59	WG2261956
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 19:59	WG2261956
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 19:59	WG2261956
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 19:59	WG2261956
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/06/2024 19:59	WG2261956
Naphthalene	U		0.00100	0.00500	1	04/06/2024 19:59	WG2261956
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2024 19:59	WG2261956
Styrene	U		0.000118	0.00100	1	04/06/2024 19:59	WG2261956
tert-Butyl alcohol	U		0.00406	0.00500	1	04/06/2024 19:59	WG2261956
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 19:59	WG2261956
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 19:59	WG2261956
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 19:59	WG2261956
Toluene	U		0.000278	0.00100	1	04/06/2024 19:59	WG2261956
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 19:59	WG2261956
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 19:59	WG2261956
Trichloroethene	U	J4	0.000190	0.00100	1	04/06/2024 19:59	WG2261956
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2024 19:59	WG2261956
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2024 19:59	WG2261956
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 19:59	WG2261956
o-Xylene	U		0.000174	0.00100	1	04/06/2024 19:59	WG2261956
m&p-Xylene	U		0.000430	0.00200	1	04/06/2024 19:59	WG2261956
Xylenes, Total	U		0.000174	0.00300	1	04/06/2024 19:59	WG2261956
(S) Toluene-d8	*112*			*80.0-120*		*04/06/2024 19:59*	WG2261956
(S) 4-Bromofluorobenzene	*97.2*			*77.0-126*		*04/06/2024 19:59*	WG2261956
(S) 1,2-Dichloroethane-d4	*88.6*			*70.0-130*		*04/06/2024 19:59*	WG2261956

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.722		0.0371	0.150	1.5	04/10/2024 18:58	WG2262911
(S) o-Terphenyl	*64.7*			*52.0-156*		*04/10/2024 18:58*	WG2262911

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3780		100	1	04/07/2024 08:50	WG2261235

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1360		37.9	100	100	04/05/2024 08:25	WG2260722
Fluoride	2.79		0.640	1.50	10	04/05/2024 01:57	WG2260722
Nitrate	0.931	J	0.480	1.00	10	04/05/2024 01:57	WG2260722
Nitrite	U		0.420	1.00	10	04/05/2024 01:57	WG2260722
Sulfate	1820		59.4	500	100	04/05/2024 08:25	WG2260722

Sample Narrative:

L1722286-03 WG2260722: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00152	J	0.000180	0.00200	1	04/14/2024 13:34	WG2262490
Arsenic,Dissolved	0.00120	J	0.000180	0.00200	1	04/10/2024 01:56	WG2261157
Barium	0.0134		0.000381	0.00200	1	04/14/2024 13:34	WG2262490
Barium,Dissolved	0.0143		0.000381	0.00200	1	04/10/2024 01:56	WG2261157
Calcium	706		0.0936	1.00	1	04/14/2024 13:34	WG2262490
Chromium	U		0.00124	0.00200	1	04/14/2024 13:34	WG2262490
Chromium,Dissolved	U		0.00124	0.00200	1	04/10/2024 01:56	WG2261157
Iron	0.0908	J	0.0281	0.100	1	04/14/2024 13:34	WG2262490
Iron,Dissolved	U		0.0281	0.100	1	04/10/2024 01:56	WG2261157
Lead	U		0.000849	0.00200	1	04/14/2024 13:34	WG2262490
Lead,Dissolved	U		0.000849	0.00200	1	04/10/2024 01:56	WG2261157
Manganese	0.0749		0.000704	0.00500	1	04/14/2024 13:34	WG2262490
Manganese,Dissolved	0.0124		0.000704	0.00500	1	04/10/2024 01:56	WG2261157
Potassium	3.14		0.108	2.00	1	04/14/2024 13:34	WG2262490
Selenium	0.000429	J	0.000300	0.00200	1	04/14/2024 13:34	WG2262490
Selenium,Dissolved	0.000431	J	0.000300	0.00200	1	04/10/2024 01:56	WG2261157
Sodium	756		0.376	2.00	1	04/14/2024 13:34	WG2262490

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/10/2024 13:18	WG2263732
(S) a,a,a-Trifluorotoluene(FID)	*102*			*78.0-120*		*04/10/2024 13:18*	WG2263732

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 20:19	WG2261956
Benzene	U		0.0000941	0.00100	1	04/06/2024 20:19	WG2261956
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 20:19	WG2261956
Bromoform	U		0.000129	0.00100	1	04/06/2024 20:19	WG2261956
Bromomethane	U		0.000605	0.00500	1	04/06/2024 20:19	WG2261956
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 20:19	WG2261956
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2024 20:19	WG2261956
Carbon disulfide	U		0.0000962	0.00100	1	04/06/2024 20:19	WG2261956
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 20:19	WG2261956

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 20:19	WG2261956
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 20:19	WG2261956
Chloroethane	U		0.000192	0.00500	1	04/06/2024 20:19	WG2261956
Chloroform	U		0.000111	0.00500	1	04/06/2024 20:19	WG2261956
Chloromethane	U		0.000960	0.00250	1	04/06/2024 20:19	WG2261956
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 20:19	WG2261956
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 20:19	WG2261956
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 20:19	WG2261956
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 20:19	WG2261956
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 20:19	WG2261956
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 20:19	WG2261956
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 20:19	WG2261956
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 20:19	WG2261956
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 20:19	WG2261956
Ethylbenzene	U		0.000137	0.00100	1	04/06/2024 20:19	WG2261956
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2024 20:19	WG2261956
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 20:19	WG2261956
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 20:19	WG2261956
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 20:19	WG2261956
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 20:19	WG2261956
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 20:19	WG2261956
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/06/2024 20:19	WG2261956
Naphthalene	U		0.00100	0.00500	1	04/06/2024 20:19	WG2261956
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2024 20:19	WG2261956
Styrene	U		0.000118	0.00100	1	04/06/2024 20:19	WG2261956
tert-Butyl alcohol	U		0.00406	0.00500	1	04/06/2024 20:19	WG2261956
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 20:19	WG2261956
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 20:19	WG2261956
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 20:19	WG2261956
Toluene	U		0.000278	0.00100	1	04/06/2024 20:19	WG2261956
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 20:19	WG2261956
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 20:19	WG2261956
Trichloroethene	U	J4	0.000190	0.00100	1	04/06/2024 20:19	WG2261956
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2024 20:19	WG2261956
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2024 20:19	WG2261956
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 20:19	WG2261956
o-Xylene	U		0.000174	0.00100	1	04/06/2024 20:19	WG2261956
m&p-Xylene	U		0.000430	0.00200	1	04/06/2024 20:19	WG2261956
Xylenes, Total	U		0.000174	0.00300	1	04/06/2024 20:19	WG2261956
(S) Toluene-d8	*112*			*80.0-120*		*04/06/2024 20:19*	WG2261956
(S) 4-Bromofluorobenzene	*99.1*			*77.0-126*		*04/06/2024 20:19*	WG2261956
(S) 1,2-Dichloroethane-d4	*90.4*			*70.0-130*		*04/06/2024 20:19*	WG2261956

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0867	J	0.0371	0.150	1.5	04/10/2024 19:18	WG2262911
(S) o-Terphenyl	*61.6*			*52.0-156*		*04/10/2024 19:18*	WG2262911

Sample Narrative:

L1722286-03 WG2262911: Insufficient sample volume for additional analysis

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4080		100	1	04/09/2024 11:40	WG2261403

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1430		37.9	100	100	04/05/2024 08:42	WG2260722
Fluoride	6.44		0.640	1.50	10	04/05/2024 02:47	WG2260722
Nitrate	2.65		0.480	1.00	10	04/05/2024 02:47	WG2260722
Nitrite	U		0.420	1.00	10	04/05/2024 02:47	WG2260722
Sulfate	1950		59.4	500	100	04/05/2024 08:42	WG2260722

Sample Narrative:

L1722286-04 WG2260722: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00491		0.000180	0.00200	1	04/14/2024 19:55	WG2262490
Arsenic,Dissolved	0.00460		0.000180	0.00200	1	04/10/2024 01:59	WG2261157
Barium	0.0139		0.000381	0.00200	1	04/14/2024 19:55	WG2262490
Barium,Dissolved	0.0142		0.000381	0.00200	1	04/10/2024 01:59	WG2261157
Calcium	626		0.0936	1.00	1	04/14/2024 19:55	WG2262490
Chromium	U		0.00124	0.00200	1	04/14/2024 19:55	WG2262490
Chromium,Dissolved	U		0.00124	0.00200	1	04/10/2024 01:59	WG2261157
Iron	0.0607	J	0.0281	0.100	1	04/14/2024 19:55	WG2262490
Iron,Dissolved	U		0.0281	0.100	1	04/10/2024 01:59	WG2261157
Lead	U		0.000849	0.00200	1	04/14/2024 19:55	WG2262490
Lead,Dissolved	U		0.000849	0.00200	1	04/10/2024 01:59	WG2261157
Manganese	0.175		0.000704	0.00500	1	04/14/2024 19:55	WG2262490
Manganese,Dissolved	0.259		0.000704	0.00500	1	04/10/2024 01:59	WG2261157
Potassium	7.05		0.108	2.00	1	04/14/2024 19:55	WG2262490
Selenium	0.0132		0.000300	0.00200	1	04/14/2024 19:55	WG2262490
Selenium,Dissolved	0.0118		0.000300	0.00200	1	04/10/2024 01:59	WG2261157
Sodium	882		0.376	2.00	1	04/14/2024 19:55	WG2262490

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/10/2024 13:40	WG2263732
(S) a,a,a-Trifluorotoluene(FID)	*101*			*78.0-120*		*04/10/2024 13:40*	WG2263732

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 20:39	WG2261956
Benzene	U		0.0000941	0.00100	1	04/06/2024 20:39	WG2261956
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 20:39	WG2261956
Bromoform	U		0.000129	0.00100	1	04/06/2024 20:39	WG2261956
Bromomethane	U		0.000605	0.00500	1	04/06/2024 20:39	WG2261956
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 20:39	WG2261956
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2024 20:39	WG2261956
Carbon disulfide	U		0.0000962	0.00100	1	04/06/2024 20:39	WG2261956
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 20:39	WG2261956

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 20:39	WG2261956
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 20:39	WG2261956
Chloroethane	U		0.000192	0.00500	1	04/06/2024 20:39	WG2261956
Chloroform	U		0.000111	0.00500	1	04/06/2024 20:39	WG2261956
Chloromethane	U		0.000960	0.00250	1	04/06/2024 20:39	WG2261956
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 20:39	WG2261956
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 20:39	WG2261956
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 20:39	WG2261956
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 20:39	WG2261956
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 20:39	WG2261956
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 20:39	WG2261956
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 20:39	WG2261956
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 20:39	WG2261956
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 20:39	WG2261956
Ethylbenzene	U		0.000137	0.00100	1	04/06/2024 20:39	WG2261956
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2024 20:39	WG2261956
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 20:39	WG2261956
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 20:39	WG2261956
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 20:39	WG2261956
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 20:39	WG2261956
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 20:39	WG2261956
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/06/2024 20:39	WG2261956
Naphthalene	U		0.00100	0.00500	1	04/06/2024 20:39	WG2261956
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2024 20:39	WG2261956
Styrene	U		0.000118	0.00100	1	04/06/2024 20:39	WG2261956
tert-Butyl alcohol	U		0.00406	0.00500	1	04/06/2024 20:39	WG2261956
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 20:39	WG2261956
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 20:39	WG2261956
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 20:39	WG2261956
Toluene	U		0.000278	0.00100	1	04/06/2024 20:39	WG2261956
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 20:39	WG2261956
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 20:39	WG2261956
Trichloroethene	U	J4	0.000190	0.00100	1	04/06/2024 20:39	WG2261956
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2024 20:39	WG2261956
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2024 20:39	WG2261956
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 20:39	WG2261956
o-Xylene	U		0.000174	0.00100	1	04/06/2024 20:39	WG2261956
m&p-Xylene	U		0.000430	0.00200	1	04/06/2024 20:39	WG2261956
Xylenes, Total	U		0.000174	0.00300	1	04/06/2024 20:39	WG2261956
(S) Toluene-d8	*112*			*80.0-120*		*04/06/2024 20:39*	WG2261956
(S) 4-Bromofluorobenzene	*87.5*			*77.0-126*		*04/06/2024 20:39*	WG2261956
(S) 1,2-Dichloroethane-d4	*89.3*			*70.0-130*		*04/06/2024 20:39*	WG2261956

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.400		0.0371	0.150	1.5	04/10/2024 19:38	WG2262911
(S) o-Terphenyl	*61.1*			*52.0-156*		*04/10/2024 19:38*	WG2262911

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4380		100	1	04/09/2024 11:40	WG2261403

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1630		3.79	10.0	10	04/05/2024 08:02	WG2260724
Fluoride	7.54		0.640	1.50	10	04/05/2024 08:02	WG2260724
Nitrate	7.58		0.480	1.00	10	04/05/2024 08:02	WG2260724
Nitrate	4.87	Q	0.480	1.00	10	04/17/2024 05:44	WG2268461
Nitrite	U		0.420	1.00	10	04/05/2024 08:02	WG2260724
Sulfate	2160		59.4	500	100	04/05/2024 11:15	WG2260724

Sample Narrative:

L1722286-05 WG2260724, WG2268461: Dilution due to matrix.

L1722286-05 WG2260724, WG2268461: Duplicate Analysis performed due to QC failure. Results don't confirm; both analyses reported

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0167		0.000180	0.00200	1	04/14/2024 19:59	WG2262490
Arsenic,Dissolved	0.0151		0.000180	0.00200	1	04/10/2024 02:02	WG2261157
Barium	0.0216		0.000381	0.00200	1	04/14/2024 19:59	WG2262490
Barium,Dissolved	0.0219		0.000381	0.00200	1	04/10/2024 02:02	WG2261157
Calcium	525		0.0936	1.00	1	04/14/2024 19:59	WG2262490
Chromium	U		0.00124	0.00200	1	04/14/2024 19:59	WG2262490
Chromium,Dissolved	U		0.00124	0.00200	1	04/10/2024 02:02	WG2261157
Iron	0.194		0.0281	0.100	1	04/14/2024 19:59	WG2262490
Iron,Dissolved	0.0473	J	0.0281	0.100	1	04/10/2024 02:02	WG2261157
Lead	U		0.000849	0.00200	1	04/14/2024 19:59	WG2262490
Lead,Dissolved	U		0.000849	0.00200	1	04/10/2024 02:02	WG2261157
Manganese	2.66		0.000704	0.00500	1	04/14/2024 19:59	WG2262490
Manganese,Dissolved	2.81		0.000704	0.00500	1	04/10/2024 02:02	WG2261157
Potassium	8.75		0.108	2.00	1	04/14/2024 19:59	WG2262490
Selenium	0.000674	J	0.000300	0.00200	1	04/14/2024 19:59	WG2262490
Selenium,Dissolved	0.000642	J	0.000300	0.00200	1	04/10/2024 02:02	WG2261157
Sodium	1180		1.88	10.0	5	04/14/2024 19:13	WG2262490

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.147		0.0314	0.100	1	04/10/2024 14:01	WG2263732
(S) a,a,a-Trifluorotoluene(FID)	*101*			*78.0-120*		*04/10/2024 14:01*	WG2263732

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 20:59	WG2261956
Benzene	U		0.0000941	0.00100	1	04/06/2024 20:59	WG2261956
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 20:59	WG2261956
Bromoform	U		0.000129	0.00100	1	04/06/2024 20:59	WG2261956
Bromomethane	U		0.000605	0.00500	1	04/06/2024 20:59	WG2261956
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 20:59	WG2261956
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2024 20:59	WG2261956

MW-82
Collected date/time: 04/03/24 12:50
L1722286

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Carbon disulfide	U		0.0000962	0.00100	1	04/06/2024 20:59	WG2261956
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 20:59	WG2261956
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 20:59	WG2261956
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 20:59	WG2261956
Chloroethane	U		0.000192	0.00500	1	04/06/2024 20:59	WG2261956
Chloroform	U		0.000111	0.00500	1	04/06/2024 20:59	WG2261956
Chloromethane	U		0.000960	0.00250	1	04/06/2024 20:59	WG2261956
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 20:59	WG2261956
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 20:59	WG2261956
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 20:59	WG2261956
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 20:59	WG2261956
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 20:59	WG2261956
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 20:59	WG2261956
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 20:59	WG2261956
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 20:59	WG2261956
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 20:59	WG2261956
Ethylbenzene	U		0.000137	0.00100	1	04/06/2024 20:59	WG2261956
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2024 20:59	WG2261956
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 20:59	WG2261956
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 20:59	WG2261956
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 20:59	WG2261956
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 20:59	WG2261956
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 20:59	WG2261956
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/06/2024 20:59	WG2261956
Naphthalene	U		0.00100	0.00500	1	04/06/2024 20:59	WG2261956
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2024 20:59	WG2261956
Styrene	U		0.000118	0.00100	1	04/06/2024 20:59	WG2261956
tert-Butyl alcohol	U		0.00406	0.00500	1	04/06/2024 20:59	WG2261956
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 20:59	WG2261956
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 20:59	WG2261956
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 20:59	WG2261956
Toluene	U		0.000278	0.00100	1	04/06/2024 20:59	WG2261956
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 20:59	WG2261956
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 20:59	WG2261956
Trichloroethene	U	J4	0.000190	0.00100	1	04/06/2024 20:59	WG2261956
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2024 20:59	WG2261956
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2024 20:59	WG2261956
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 20:59	WG2261956
o-Xylene	U		0.000174	0.00100	1	04/06/2024 20:59	WG2261956
m&p-Xylene	U		0.000430	0.00200	1	04/06/2024 20:59	WG2261956
Xylenes, Total	U		0.000174	0.00300	1	04/06/2024 20:59	WG2261956
(S) Toluene-d8	*111*			*80.0-120*		*04/06/2024 20:59*	WG2261956
(S) 4-Bromofluorobenzene	*92.5*			*77.0-126*		*04/06/2024 20:59*	WG2261956
(S) 1,2-Dichloroethane-d4	*88.4*			*70.0-130*		*04/06/2024 20:59*	WG2261956

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1.90		0.0371	0.150	1.5	04/10/2024 21:31	WG2262911
(S) o-Terphenyl	*62.1*			*52.0-156*		*04/10/2024 21:31*	WG2262911

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	5860	Q	200	1	04/15/2024 16:46	WG2266963

Sample Narrative:

L1722286-06 WG2266963: Sample reporting out of hold due to QC issue.

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1900		3.79	10.0	10	04/05/2024 04:23	WG2260720
Fluoride	7.62		0.640	1.50	10	04/05/2024 04:23	WG2260720
Nitrate	29.0		0.480	1.00	10	04/05/2024 04:23	WG2260720
Nitrite	U		0.420	1.00	10	04/05/2024 04:23	WG2260720
Sulfate	3160		59.4	500	100	04/05/2024 09:42	WG2260720

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0902		0.000180	0.00200	1	04/14/2024 13:21	WG2262490
Arsenic,Dissolved	0.0962		0.000180	0.00200	1	04/10/2024 02:06	WG2261157
Barium	0.0138		0.000381	0.00200	1	04/14/2024 13:21	WG2262490
Barium,Dissolved	0.0138		0.000381	0.00200	1	04/10/2024 02:06	WG2261157
Calcium	536		0.0936	1.00	1	04/14/2024 13:21	WG2262490
Chromium	U		0.00124	0.00200	1	04/14/2024 13:21	WG2262490
Chromium,Dissolved	U		0.00124	0.00200	1	04/10/2024 02:06	WG2261157
Iron	0.0507	J	0.0281	0.100	1	04/14/2024 13:21	WG2262490
Iron,Dissolved	0.0335	J	0.0281	0.100	1	04/10/2024 02:06	WG2261157
Lead	U		0.000849	0.00200	1	04/14/2024 13:21	WG2262490
Lead,Dissolved	U		0.000849	0.00200	1	04/10/2024 02:06	WG2261157
Manganese	1.95	V	0.000704	0.00500	1	04/14/2024 13:21	WG2262490
Manganese,Dissolved	2.21		0.000704	0.00500	1	04/10/2024 02:06	WG2261157
Potassium	25.3		0.108	2.00	1	04/14/2024 13:21	WG2262490
Selenium	0.00528		0.000300	0.00200	1	04/14/2024 13:21	WG2262490
Selenium,Dissolved	0.00626		0.000300	0.00200	1	04/10/2024 02:06	WG2261157
Sodium	1990		1.88	10.0	5	04/14/2024 19:17	WG2262490

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	1.19		0.0314	0.100	1	04/10/2024 14:23	WG2263732
(S) a,a,a-Trifluorotoluene(FID)	*101*			*78.0-120*		*04/10/2024 14:23*	WG2263732

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 21:19	WG2261956
Benzene	U		0.0000941	0.00100	1	04/06/2024 21:19	WG2261956
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 21:19	WG2261956
Bromoform	U		0.000129	0.00100	1	04/06/2024 21:19	WG2261956
Bromomethane	U		0.000605	0.00500	1	04/06/2024 21:19	WG2261956
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 21:19	WG2261956
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2024 21:19	WG2261956
Carbon disulfide	U		0.0000962	0.00100	1	04/06/2024 21:19	WG2261956
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 21:19	WG2261956

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 21:19	WG2261956
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 21:19	WG2261956
Chloroethane	U		0.000192	0.00500	1	04/06/2024 21:19	WG2261956
Chloroform	U		0.000111	0.00500	1	04/06/2024 21:19	WG2261956
Chloromethane	U		0.000960	0.00250	1	04/06/2024 21:19	WG2261956
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 21:19	WG2261956
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 21:19	WG2261956
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 21:19	WG2261956
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 21:19	WG2261956
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 21:19	WG2261956
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 21:19	WG2261956
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 21:19	WG2261956
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 21:19	WG2261956
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 21:19	WG2261956
Ethylbenzene	U		0.000137	0.00100	1	04/06/2024 21:19	WG2261956
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2024 21:19	WG2261956
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 21:19	WG2261956
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 21:19	WG2261956
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 21:19	WG2261956
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 21:19	WG2261956
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 21:19	WG2261956
Methyl tert-butyl ether	0.000804	J	0.000101	0.00100	1	04/06/2024 21:19	WG2261956
Naphthalene	U		0.00100	0.00500	1	04/06/2024 21:19	WG2261956
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2024 21:19	WG2261956
Styrene	U		0.000118	0.00100	1	04/06/2024 21:19	WG2261956
tert-Butyl alcohol	0.0305		0.00406	0.00500	1	04/06/2024 21:19	WG2261956
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 21:19	WG2261956
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 21:19	WG2261956
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 21:19	WG2261956
Toluene	U		0.000278	0.00100	1	04/06/2024 21:19	WG2261956
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 21:19	WG2261956
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 21:19	WG2261956
Trichloroethene	U	J4	0.000190	0.00100	1	04/06/2024 21:19	WG2261956
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2024 21:19	WG2261956
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2024 21:19	WG2261956
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 21:19	WG2261956
o-Xylene	U		0.000174	0.00100	1	04/06/2024 21:19	WG2261956
m&p-Xylene	U		0.000430	0.00200	1	04/06/2024 21:19	WG2261956
Xylenes, Total	U		0.000174	0.00300	1	04/06/2024 21:19	WG2261956
(S) Toluene-d8	*111*			*80.0-120*		*04/06/2024 21:19*	WG2261956
(S) 4-Bromofluorobenzene	*96.5*			*77.0-126*		*04/06/2024 21:19*	WG2261956
(S) 1,2-Dichloroethane-d4	*87.1*			*70.0-130*		*04/06/2024 21:19*	WG2261956

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	8.58		0.0371	0.150	1.5	04/10/2024 21:51	WG2262911
(S) o-Terphenyl	*63.2*			*52.0-156*		*04/10/2024 21:51*	WG2262911

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	7340	Q	200	1	04/15/2024 16:46	WG2266963

Sample Narrative:

L1722286-07 WG2266963: Sample reporting out of hold due to QC issue.

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	2730		37.9	100	100	04/05/2024 04:56	WG2260717
Fluoride	1.70		0.0640	0.150	1	04/23/2024 12:59	WG2270068
Nitrate	1.54	B	0.480	1.00	10	04/04/2024 23:30	WG2260717
Nitrite	1.13	B	0.420	1.00	10	04/04/2024 23:30	WG2260717
Sulfate	3670		59.4	500	100	04/05/2024 04:56	WG2260717

Sample Narrative:

L1722286-07 WG2260717: Dilution due to matrix.

L1722286-07 WG2260717: dilution due to high CL/SO4

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0391		0.000900	0.0100	5	04/14/2024 19:20	WG2262490
Arsenic,Dissolved	0.0343		0.000180	0.00200	1	04/10/2024 02:09	WG2261157
Barium	0.0104		0.00190	0.0100	5	04/14/2024 19:20	WG2262490
Barium,Dissolved	0.00892		0.000381	0.00200	1	04/10/2024 02:09	WG2261157
Calcium	610		0.468	5.00	5	04/14/2024 19:20	WG2262490
Chromium	U		0.00620	0.0100	5	04/14/2024 19:20	WG2262490
Chromium,Dissolved	U		0.00124	0.00200	1	04/10/2024 02:09	WG2261157
Iron	2.61		0.140	0.500	5	04/14/2024 19:20	WG2262490
Iron,Dissolved	1.05		0.0281	0.100	1	04/10/2024 02:09	WG2261157
Lead	U		0.00424	0.0100	5	04/14/2024 19:20	WG2262490
Lead,Dissolved	U		0.000849	0.00200	1	04/10/2024 02:09	WG2261157
Manganese	0.525		0.00352	0.0250	5	04/14/2024 19:20	WG2262490
Manganese,Dissolved	0.590		0.000704	0.00500	1	04/10/2024 02:09	WG2261157
Potassium	3.05	J	0.540	10.0	5	04/14/2024 19:20	WG2262490
Selenium	0.00179	J	0.00150	0.0100	5	04/14/2024 19:20	WG2262490
Selenium,Dissolved	0.00107	J	0.000300	0.00200	1	04/10/2024 02:09	WG2261157
Sodium	2430		1.88	10.0	5	04/14/2024 19:20	WG2262490

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.628	2.00	20	04/10/2024 16:48	WG2263913
(S) a,a,a-Trifluorotoluene(FID)	*97.1*			*78.0-120*		*04/10/2024 16:48*	WG2263913

Sample Narrative:

L1722286-07 WG2263913: Lowest possible dilution due to sample foaming.

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 21:39	WG2261956
Benzene	U		0.0000941	0.00100	1	04/06/2024 21:39	WG2261956
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 21:39	WG2261956
Bromoform	U		0.000129	0.00100	1	04/06/2024 21:39	WG2261956
Bromomethane	U		0.000605	0.00500	1	04/06/2024 21:39	WG2261956
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 21:39	WG2261956
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2024 21:39	WG2261956
Carbon disulfide	U		0.0000962	0.00100	1	04/06/2024 21:39	WG2261956
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 21:39	WG2261956
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 21:39	WG2261956
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 21:39	WG2261956
Chloroethane	U		0.000192	0.00500	1	04/06/2024 21:39	WG2261956
Chloroform	U		0.000111	0.00500	1	04/06/2024 21:39	WG2261956
Chloromethane	U		0.000960	0.00250	1	04/06/2024 21:39	WG2261956
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 21:39	WG2261956
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 21:39	WG2261956
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 21:39	WG2261956
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 21:39	WG2261956
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 21:39	WG2261956
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 21:39	WG2261956
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 21:39	WG2261956
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 21:39	WG2261956
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 21:39	WG2261956
Ethylbenzene	U		0.000137	0.00100	1	04/06/2024 21:39	WG2261956
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2024 21:39	WG2261956
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 21:39	WG2261956
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 21:39	WG2261956
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 21:39	WG2261956
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 21:39	WG2261956
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 21:39	WG2261956
Methyl tert-butyl ether	0.000568	J	0.000101	0.00100	1	04/06/2024 21:39	WG2261956
Naphthalene	U		0.00100	0.00500	1	04/06/2024 21:39	WG2261956
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2024 21:39	WG2261956
Styrene	U		0.000118	0.00100	1	04/06/2024 21:39	WG2261956
tert-Butyl alcohol	0.0132		0.00406	0.00500	1	04/06/2024 21:39	WG2261956
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 21:39	WG2261956
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 21:39	WG2261956
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 21:39	WG2261956
Toluene	U		0.000278	0.00100	1	04/06/2024 21:39	WG2261956
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 21:39	WG2261956
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 21:39	WG2261956
Trichloroethene	U	J4	0.000190	0.00100	1	04/06/2024 21:39	WG2261956
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2024 21:39	WG2261956
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2024 21:39	WG2261956
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 21:39	WG2261956
o-Xylene	U		0.000174	0.00100	1	04/06/2024 21:39	WG2261956
m&p-Xylene	U		0.000430	0.00200	1	04/06/2024 21:39	WG2261956
Xylenes, Total	U		0.000174	0.00300	1	04/06/2024 21:39	WG2261956
(S) Toluene-d8	*111*			*80.0-120*		*04/06/2024 21:39*	WG2261956
(S) 4-Bromofluorobenzene	*93.3*			*77.0-126*		*04/06/2024 21:39*	WG2261956
(S) 1,2-Dichloroethane-d4	*86.4*			*70.0-130*		*04/06/2024 21:39*	WG2261956

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1.84		0.0371	0.150	1.5	04/10/2024 22:11	WG2262911

MW-73
Collected date/time: 04/03/24 08:55
L1722286

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
(S) o-Terphenyl	*61.1*			*52.0-156*		*04/10/2024 22:11*	WG2262911

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1630		50.0	1	04/07/2024 08:50	WG2261235

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	126		3.79	10.0	10	04/05/2024 09:32	WG2260722
Fluoride	0.805		0.0640	0.150	1	04/05/2024 03:04	WG2260722
Nitrate	1.04		0.0480	0.100	1	04/05/2024 03:04	WG2260722
Nitrite	U		0.0420	0.100	1	04/05/2024 03:04	WG2260722
Sulfate	626		5.94	50.0	10	04/05/2024 09:32	WG2260722

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00345		0.000180	0.00200	1	04/14/2024 20:02	WG2262490
Arsenic,Dissolved	0.00344		0.000180	0.00200	1	04/10/2024 02:12	WG2261157
Barium	0.0161		0.000381	0.00200	1	04/14/2024 20:02	WG2262490
Barium,Dissolved	0.0158		0.000381	0.00200	1	04/10/2024 02:12	WG2261157
Calcium	204		0.0936	1.00	1	04/14/2024 20:02	WG2262490
Chromium	U		0.00124	0.00200	1	04/14/2024 20:02	WG2262490
Chromium,Dissolved	U		0.00124	0.00200	1	04/10/2024 02:12	WG2261157
Iron	0.137		0.0281	0.100	1	04/14/2024 20:02	WG2262490
Iron,Dissolved	U		0.0281	0.100	1	04/10/2024 02:12	WG2261157
Lead	0.000914	J	0.000849	0.00200	1	04/14/2024 20:02	WG2262490
Lead,Dissolved	U		0.000849	0.00200	1	04/10/2024 02:12	WG2261157
Manganese	0.0934		0.000704	0.00500	1	04/14/2024 20:02	WG2262490
Manganese,Dissolved	0.0911		0.000704	0.00500	1	04/10/2024 02:12	WG2261157
Potassium	0.703	J	0.108	2.00	1	04/14/2024 20:02	WG2262490
Selenium	0.00197	J	0.000300	0.00200	1	04/14/2024 20:02	WG2262490
Selenium,Dissolved	0.00159	J	0.000300	0.00200	1	04/10/2024 02:12	WG2261157
Sodium	250		0.376	2.00	1	04/14/2024 20:02	WG2262490

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/10/2024 15:50	WG2263913
(S) a,a,a-Trifluorotoluene(FID)	*96.4*			*78.0-120*		*04/10/2024 15:50*	WG2263913

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 22:00	WG2261956
Benzene	U		0.0000941	0.00100	1	04/06/2024 22:00	WG2261956
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 22:00	WG2261956
Bromoform	U		0.000129	0.00100	1	04/06/2024 22:00	WG2261956
Bromomethane	U		0.000605	0.00500	1	04/06/2024 22:00	WG2261956
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 22:00	WG2261956
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2024 22:00	WG2261956
Carbon disulfide	U		0.0000962	0.00100	1	04/06/2024 22:00	WG2261956
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 22:00	WG2261956
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 22:00	WG2261956
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 22:00	WG2261956
Chloroethane	U		0.000192	0.00500	1	04/06/2024 22:00	WG2261956

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloroform	U		0.000111	0.00500	1	04/06/2024 22:00	WG2261956
Chloromethane	U		0.000960	0.00250	1	04/06/2024 22:00	WG2261956
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 22:00	WG2261956
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 22:00	WG2261956
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 22:00	WG2261956
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 22:00	WG2261956
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 22:00	WG2261956
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 22:00	WG2261956
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 22:00	WG2261956
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 22:00	WG2261956
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 22:00	WG2261956
Ethylbenzene	U		0.000137	0.00100	1	04/06/2024 22:00	WG2261956
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2024 22:00	WG2261956
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 22:00	WG2261956
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 22:00	WG2261956
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 22:00	WG2261956
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 22:00	WG2261956
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 22:00	WG2261956
Methyl tert-butyl ether	0.00240		0.000101	0.00100	1	04/06/2024 22:00	WG2261956
Naphthalene	U		0.00100	0.00500	1	04/06/2024 22:00	WG2261956
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2024 22:00	WG2261956
Styrene	U		0.000118	0.00100	1	04/06/2024 22:00	WG2261956
tert-Butyl alcohol	U		0.00406	0.00500	1	04/06/2024 22:00	WG2261956
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 22:00	WG2261956
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 22:00	WG2261956
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 22:00	WG2261956
Toluene	U		0.000278	0.00100	1	04/06/2024 22:00	WG2261956
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 22:00	WG2261956
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 22:00	WG2261956
Trichloroethene	U	J4	0.000190	0.00100	1	04/06/2024 22:00	WG2261956
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2024 22:00	WG2261956
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2024 22:00	WG2261956
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 22:00	WG2261956
o-Xylene	U		0.000174	0.00100	1	04/06/2024 22:00	WG2261956
m&p-Xylene	U		0.000430	0.00200	1	04/06/2024 22:00	WG2261956
Xylenes, Total	U		0.000174	0.00300	1	04/06/2024 22:00	WG2261956
(S) Toluene-d8	*111*			*80.0-120*		*04/06/2024 22:00*	WG2261956
(S) 4-Bromofluorobenzene	*97.6*			*77.0-126*		*04/06/2024 22:00*	WG2261956
(S) 1,2-Dichloroethane-d4	*88.7*			*70.0-130*		*04/06/2024 22:00*	WG2261956

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.651		0.0371	0.150	1.5	04/10/2024 22:31	WG2262911
(S) o-Terphenyl	*62.6*			*52.0-156*		*04/10/2024 22:31*	WG2262911

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1530		50.0	1	04/09/2024 11:40	WG2261403

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	434		3.79	10.0	10	04/05/2024 07:08	WG2260715
Fluoride	0.803		0.0640	0.150	1	04/05/2024 03:55	WG2260715
Nitrate	U		0.0480	0.100	1	04/05/2024 03:55	WG2260715
Nitrite	U		0.0420	0.100	1	04/05/2024 03:55	WG2260715
Sulfate	302		5.94	50.0	10	04/05/2024 07:08	WG2260715

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0417		0.000180	0.00200	1	04/14/2024 20:05	WG2262490
Arsenic,Dissolved	0.0380		0.000180	0.00200	1	04/10/2024 02:22	WG2261157
Barium	0.0612		0.000381	0.00200	1	04/14/2024 20:05	WG2262490
Barium,Dissolved	0.0557		0.000381	0.00200	1	04/10/2024 02:22	WG2261157
Calcium	181		0.0936	1.00	1	04/14/2024 20:05	WG2262490
Chromium	U		0.00124	0.00200	1	04/14/2024 20:05	WG2262490
Chromium,Dissolved	U		0.00124	0.00200	1	04/10/2024 02:22	WG2261157
Iron	3.42		0.0281	0.100	1	04/14/2024 20:05	WG2262490
Iron,Dissolved	3.14		0.0281	0.100	1	04/10/2024 02:22	WG2261157
Lead	0.00559		0.000849	0.00200	1	04/14/2024 20:05	WG2262490
Lead,Dissolved	0.000896	J	0.000849	0.00200	1	04/10/2024 02:22	WG2261157
Manganese	1.74		0.000704	0.00500	1	04/14/2024 20:05	WG2262490
Manganese,Dissolved	1.74		0.000704	0.00500	1	04/10/2024 02:22	WG2261157
Potassium	0.538	J	0.108	2.00	1	04/14/2024 20:05	WG2262490
Selenium	U		0.000300	0.00200	1	04/14/2024 20:05	WG2262490
Selenium,Dissolved	U		0.000300	0.00200	1	04/10/2024 02:22	WG2261157
Sodium	352		0.376	2.00	1	04/14/2024 20:05	WG2262490

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.226	1.00	20	04/07/2024 00:01	WG2261956
Benzene	0.0259		0.00188	0.0200	20	04/07/2024 00:01	WG2261956
Bromodichloromethane	U		0.00272	0.0200	20	04/07/2024 00:01	WG2261956
Bromoform	U		0.00258	0.0200	20	04/07/2024 00:01	WG2261956
Bromomethane	U		0.0121	0.100	20	04/07/2024 00:01	WG2261956
n-Butylbenzene	0.0216		0.00314	0.0200	20	04/07/2024 00:01	WG2261956
sec-Butylbenzene	0.0140	J	0.00250	0.0200	20	04/07/2024 00:01	WG2261956
Carbon disulfide	U		0.00192	0.0200	20	04/07/2024 00:01	WG2261956
Carbon tetrachloride	U		0.00256	0.0200	20	04/07/2024 00:01	WG2261956
Chlorobenzene	U		0.00232	0.0200	20	04/07/2024 00:01	WG2261956
Chlorodibromomethane	U		0.00280	0.0200	20	04/07/2024 00:01	WG2261956
Chloroethane	U		0.00384	0.100	20	04/07/2024 00:01	WG2261956
Chloroform	U		0.00222	0.100	20	04/07/2024 00:01	WG2261956
Chloromethane	U		0.0192	0.0500	20	04/07/2024 00:01	WG2261956
1,2-Dibromoethane	U		0.00252	0.0200	20	04/07/2024 00:01	WG2261956
1,1-Dichloroethane	U		0.00200	0.0200	20	04/07/2024 00:01	WG2261956
1,2-Dichloroethane	U		0.00164	0.0200	20	04/07/2024 00:01	WG2261956
1,1-Dichloroethene	U		0.00376	0.0200	20	04/07/2024 00:01	WG2261956
cis-1,2-Dichloroethene	U		0.00252	0.0200	20	04/07/2024 00:01	WG2261956

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
trans-1,2-Dichloroethene	U		0.00298	0.0200	20	04/07/2024 00:01	WG2261956
1,2-Dichloropropane	U		0.00298	0.0200	20	04/07/2024 00:01	WG2261956
cis-1,3-Dichloropropene	U		0.00222	0.0200	20	04/07/2024 00:01	WG2261956
trans-1,3-Dichloropropene	U		0.00236	0.0200	20	04/07/2024 00:01	WG2261956
Ethylbenzene	0.433		0.00274	0.0200	20	04/07/2024 00:01	WG2261956
Isopropylbenzene	0.0586		0.00210	0.0200	20	04/07/2024 00:01	WG2261956
p-Isopropyltoluene	0.0107	J	0.00240	0.0200	20	04/07/2024 00:01	WG2261956
2-Butanone (MEK)	U		0.0238	0.200	20	04/07/2024 00:01	WG2261956
2-Hexanone	U		0.0157	0.200	20	04/07/2024 00:01	WG2261956
Methylene Chloride	U		0.00860	0.100	20	04/07/2024 00:01	WG2261956
4-Methyl-2-pentanone (MIBK)	U		0.00956	0.200	20	04/07/2024 00:01	WG2261956
Methyl tert-butyl ether	3.07		0.0101	0.100	100	04/12/2024 17:59	WG2265955
Naphthalene	0.210		0.0200	0.100	20	04/07/2024 00:01	WG2261956
n-Propylbenzene	0.108		0.00199	0.0200	20	04/07/2024 00:01	WG2261956
Styrene	U		0.00236	0.0200	20	04/07/2024 00:01	WG2261956
tert-Butyl alcohol	1.63		0.0812	0.100	20	04/07/2024 00:01	WG2261956
1,1,1,2-Tetrachloroethane	U		0.00294	0.0200	20	04/07/2024 00:01	WG2261956
1,1,2,2-Tetrachloroethane	U		0.00266	0.0200	20	04/07/2024 00:01	WG2261956
Tetrachloroethene	U		0.00600	0.0200	20	04/07/2024 00:01	WG2261956
Toluene	0.0286		0.00556	0.0200	20	04/07/2024 00:01	WG2261956
1,1,1-Trichloroethane	U		0.00298	0.0200	20	04/07/2024 00:01	WG2261956
1,1,2-Trichloroethane	U		0.00316	0.0200	20	04/07/2024 00:01	WG2261956
Trichloroethene	U	J4	0.00380	0.0200	20	04/07/2024 00:01	WG2261956
1,2,4-Trimethylbenzene	0.623		0.00644	0.0200	20	04/07/2024 00:01	WG2261956
1,3,5-Trimethylbenzene	0.134		0.00208	0.0200	20	04/07/2024 00:01	WG2261956
Vinyl chloride	U		0.00468	0.0200	20	04/07/2024 00:01	WG2261956
o-Xylene	0.154		0.00348	0.0200	20	04/07/2024 00:01	WG2261956
m&p-Xylene	0.657		0.00860	0.0400	20	04/07/2024 00:01	WG2261956
Xylenes, Total	0.811		0.00348	0.0600	20	04/07/2024 00:01	WG2261956
(S) Toluene-d8	*107*			*80.0-120*		*04/07/2024 00:01*	WG2261956
(S) Toluene-d8	*102*			*80.0-120*		*04/12/2024 17:59*	WG2265955
(S) 4-Bromofluorobenzene	*96.4*			*77.0-126*		*04/07/2024 00:01*	WG2261956
(S) 4-Bromofluorobenzene	*91.6*			*77.0-126*		*04/12/2024 17:59*	WG2265955
(S) 1,2-Dichloroethane-d4	*88.8*			*70.0-130*		*04/07/2024 00:01*	WG2261956
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*04/12/2024 17:59*	WG2265955

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	18.2		0.185	0.750	7.5	04/11/2024 00:54	WG2262911
(S) o-Terphenyl	*66.8*			*52.0-156*		*04/11/2024 00:54*	WG2262911

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	10.0		10.0	1	04/09/2024 11:40	WG2261403

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	0.541	B J	0.379	1.00	1	04/05/2024 04:39	WG2260720
Fluoride	0.0768	J	0.0640	0.150	1	04/05/2024 04:39	WG2260720
Nitrate	0.137		0.0480	0.100	1	04/05/2024 04:39	WG2260720
Nitrite	U		0.0420	0.100	1	04/05/2024 04:39	WG2260720
Sulfate	1.06	J	0.594	5.00	1	04/05/2024 04:39	WG2260720

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	U		0.000180	0.00200	1	04/14/2024 20:08	WG2262490
Arsenic,Dissolved	U		0.000180	0.00200	1	04/10/2024 02:26	WG2261157
Barium	U		0.000381	0.00200	1	04/14/2024 20:08	WG2262490
Barium,Dissolved	U		0.000381	0.00200	1	04/10/2024 02:26	WG2261157
Calcium	0.255	J	0.0936	1.00	1	04/14/2024 20:08	WG2262490
Chromium	U		0.00124	0.00200	1	04/14/2024 20:08	WG2262490
Chromium,Dissolved	U		0.00124	0.00200	1	04/10/2024 02:26	WG2261157
Iron	U		0.0281	0.100	1	04/14/2024 20:08	WG2262490
Iron,Dissolved	U		0.0281	0.100	1	04/10/2024 02:26	WG2261157
Lead	U		0.000849	0.00200	1	04/14/2024 20:08	WG2262490
Lead,Dissolved	U		0.000849	0.00200	1	04/10/2024 02:26	WG2261157
Manganese	U		0.000704	0.00500	1	04/14/2024 20:08	WG2262490
Manganese,Dissolved	0.00118	J	0.000704	0.00500	1	04/10/2024 02:26	WG2261157
Potassium	U		0.108	2.00	1	04/14/2024 20:08	WG2262490
Selenium	U		0.000300	0.00200	1	04/14/2024 20:08	WG2262490
Selenium,Dissolved	U		0.000300	0.00200	1	04/10/2024 02:26	WG2261157
Sodium	U		0.376	2.00	1	04/14/2024 20:08	WG2262490

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/10/2024 12:36	WG2263913
(S) a,a,a-Trifluorotoluene(FID)	*96.9*			*78.0-120*		*04/10/2024 12:36*	WG2263913

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		0.0113	0.0500	1	04/06/2024 18:18	WG2261956
Benzene	U		0.0000941	0.00100	1	04/06/2024 18:18	WG2261956
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 18:18	WG2261956
Bromoform	U		0.000129	0.00100	1	04/06/2024 18:18	WG2261956
Bromomethane	U		0.000605	0.00500	1	04/06/2024 18:18	WG2261956
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 18:18	WG2261956
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2024 18:18	WG2261956
Carbon disulfide	U		0.0000962	0.00100	1	04/06/2024 18:18	WG2261956
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 18:18	WG2261956
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 18:18	WG2261956
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 18:18	WG2261956
Chloroethane	U		0.000192	0.00500	1	04/06/2024 18:18	WG2261956

LB-LF-01
Collected date/time: 04/03/24 09:55
L1722286

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloroform	0.00158	J	0.000111	0.00500	1	04/06/2024 18:18	WG2261956
Chloromethane	U		0.000960	0.00250	1	04/06/2024 18:18	WG2261956
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 18:18	WG2261956
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 18:18	WG2261956
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 18:18	WG2261956
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 18:18	WG2261956
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 18:18	WG2261956
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 18:18	WG2261956
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 18:18	WG2261956
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 18:18	WG2261956
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 18:18	WG2261956
Ethylbenzene	U		0.000137	0.00100	1	04/06/2024 18:18	WG2261956
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2024 18:18	WG2261956
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 18:18	WG2261956
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 18:18	WG2261956
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 18:18	WG2261956
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 18:18	WG2261956
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 18:18	WG2261956
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/06/2024 18:18	WG2261956
Naphthalene	U		0.00100	0.00500	1	04/06/2024 18:18	WG2261956
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2024 18:18	WG2261956
Styrene	U		0.000118	0.00100	1	04/06/2024 18:18	WG2261956
tert-Butyl alcohol	U		0.00406	0.00500	1	04/06/2024 18:18	WG2261956
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 18:18	WG2261956
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 18:18	WG2261956
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 18:18	WG2261956
Toluene	U		0.000278	0.00100	1	04/06/2024 18:18	WG2261956
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 18:18	WG2261956
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 18:18	WG2261956
Trichloroethene	U	J4	0.000190	0.00100	1	04/06/2024 18:18	WG2261956
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2024 18:18	WG2261956
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2024 18:18	WG2261956
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 18:18	WG2261956
o-Xylene	U		0.000174	0.00100	1	04/06/2024 18:18	WG2261956
m&p-Xylene	U		0.000430	0.00200	1	04/06/2024 18:18	WG2261956
Xylenes, Total	U		0.000174	0.00300	1	04/06/2024 18:18	WG2261956
(S) Toluene-d8	*111*			*80.0-120*		*04/06/2024 18:18*	WG2261956
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*04/06/2024 18:18*	WG2261956
(S) 1,2-Dichloroethane-d4	*88.7*			*70.0-130*		*04/06/2024 18:18*	WG2261956

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0529	B J J3	0.0247	0.100	1	04/10/2024 18:03	WG2263376
(S) o-Terphenyl	*76.3*			*52.0-156*		*04/10/2024 18:03*	WG2263376

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	ND		10.0	1	04/09/2024 11:40	WG2261403

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	0.747	J	0.379	1.00	1	04/05/2024 08:15	WG2260724
Fluoride	0.0686	J	0.0640	0.150	1	04/05/2024 08:15	WG2260724
Nitrate	0.0851	J	0.0480	0.100	1	04/05/2024 08:15	WG2260724
Nitrite	0.0430	J	0.0420	0.100	1	04/05/2024 08:15	WG2260724
Sulfate	1.06	J	0.594	5.00	1	04/05/2024 08:15	WG2260724

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	U		0.000180	0.00200	1	04/14/2024 20:12	WG2262490
Arsenic,Dissolved	U		0.000180	0.00200	1	04/10/2024 02:29	WG2261157
Barium	U		0.000381	0.00200	1	04/14/2024 20:12	WG2262490
Barium,Dissolved	U		0.000381	0.00200	1	04/10/2024 02:29	WG2261157
Calcium	0.264	J	0.0936	1.00	1	04/14/2024 20:12	WG2262490
Chromium	U		0.00124	0.00200	1	04/14/2024 20:12	WG2262490
Chromium,Dissolved	U		0.00124	0.00200	1	04/10/2024 02:29	WG2261157
Iron	U		0.0281	0.100	1	04/14/2024 20:12	WG2262490
Iron,Dissolved	U		0.0281	0.100	1	04/10/2024 02:29	WG2261157
Lead	U		0.000849	0.00200	1	04/14/2024 20:12	WG2262490
Lead,Dissolved	U		0.000849	0.00200	1	04/10/2024 02:29	WG2261157
Manganese	U		0.000704	0.00500	1	04/14/2024 20:12	WG2262490
Manganese,Dissolved	0.000748	J	0.000704	0.00500	1	04/10/2024 02:29	WG2261157
Potassium	U		0.108	2.00	1	04/14/2024 20:12	WG2262490
Selenium	U		0.000300	0.00200	1	04/14/2024 20:12	WG2262490
Selenium,Dissolved	U		0.000300	0.00200	1	04/10/2024 02:29	WG2261157
Sodium	U		0.376	2.00	1	04/14/2024 20:12	WG2262490

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/10/2024 12:56	WG2263913
(S) a,a,a-Trifluorotoluene(FID)	*96.1*			*78.0-120*		*04/10/2024 12:56*	WG2263913

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 18:38	WG2261956
Benzene	U		0.0000941	0.00100	1	04/06/2024 18:38	WG2261956
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 18:38	WG2261956
Bromoform	U		0.000129	0.00100	1	04/06/2024 18:38	WG2261956
Bromomethane	U		0.000605	0.00500	1	04/06/2024 18:38	WG2261956
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 18:38	WG2261956
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2024 18:38	WG2261956
Carbon disulfide	U		0.0000962	0.00100	1	04/06/2024 18:38	WG2261956
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 18:38	WG2261956
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 18:38	WG2261956
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 18:38	WG2261956
Chloroethane	U		0.000192	0.00500	1	04/06/2024 18:38	WG2261956

LB-LT-04
Collected date/time: 04/03/24 12:10
L1722286

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloroform	0.00167	J	0.000111	0.00500	1	04/06/2024 18:38	WG2261956
Chloromethane	U		0.000960	0.00250	1	04/06/2024 18:38	WG2261956
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 18:38	WG2261956
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 18:38	WG2261956
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 18:38	WG2261956
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 18:38	WG2261956
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 18:38	WG2261956
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 18:38	WG2261956
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 18:38	WG2261956
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 18:38	WG2261956
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 18:38	WG2261956
Ethylbenzene	U		0.000137	0.00100	1	04/06/2024 18:38	WG2261956
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2024 18:38	WG2261956
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 18:38	WG2261956
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 18:38	WG2261956
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 18:38	WG2261956
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 18:38	WG2261956
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 18:38	WG2261956
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/06/2024 18:38	WG2261956
Naphthalene	U		0.00100	0.00500	1	04/06/2024 18:38	WG2261956
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2024 18:38	WG2261956
Styrene	U		0.000118	0.00100	1	04/06/2024 18:38	WG2261956
tert-Butyl alcohol	U		0.00406	0.00500	1	04/06/2024 18:38	WG2261956
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 18:38	WG2261956
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 18:38	WG2261956
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 18:38	WG2261956
Toluene	U		0.000278	0.00100	1	04/06/2024 18:38	WG2261956
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 18:38	WG2261956
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 18:38	WG2261956
Trichloroethene	U	J4	0.000190	0.00100	1	04/06/2024 18:38	WG2261956
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2024 18:38	WG2261956
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2024 18:38	WG2261956
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 18:38	WG2261956
o-Xylene	U		0.000174	0.00100	1	04/06/2024 18:38	WG2261956
m&p-Xylene	U		0.000430	0.00200	1	04/06/2024 18:38	WG2261956
Xylenes, Total	U		0.000174	0.00300	1	04/06/2024 18:38	WG2261956
(S) Toluene-d8	*111*			*80.0-120*		*04/06/2024 18:38*	WG2261956
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*04/06/2024 18:38*	WG2261956
(S) 1,2-Dichloroethane-d4	*87.3*			*70.0-130*		*04/06/2024 18:38*	WG2261956

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0717	B J J3	0.0247	0.100	1	04/10/2024 18:23	WG2263376
(S) o-Terphenyl	*81.1*			*52.0-156*		*04/10/2024 18:23*	WG2263376

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 17:37	WG2261956
Benzene	U		0.0000941	0.00100	1	04/06/2024 17:37	WG2261956
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 17:37	WG2261956
Bromoform	U		0.000129	0.00100	1	04/06/2024 17:37	WG2261956
Bromomethane	U		0.000605	0.00500	1	04/06/2024 17:37	WG2261956
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 17:37	WG2261956
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2024 17:37	WG2261956
Carbon disulfide	U		0.0000962	0.00100	1	04/06/2024 17:37	WG2261956
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 17:37	WG2261956
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 17:37	WG2261956
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 17:37	WG2261956
Chloroethane	U		0.000192	0.00500	1	04/06/2024 17:37	WG2261956
Chloroform	U		0.000111	0.00500	1	04/06/2024 17:37	WG2261956
Chloromethane	U		0.000960	0.00250	1	04/06/2024 17:37	WG2261956
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 17:37	WG2261956
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 17:37	WG2261956
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 17:37	WG2261956
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 17:37	WG2261956
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 17:37	WG2261956
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 17:37	WG2261956
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 17:37	WG2261956
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 17:37	WG2261956
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 17:37	WG2261956
Ethylbenzene	U		0.000137	0.00100	1	04/06/2024 17:37	WG2261956
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2024 17:37	WG2261956
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 17:37	WG2261956
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 17:37	WG2261956
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 17:37	WG2261956
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 17:37	WG2261956
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 17:37	WG2261956
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/06/2024 17:37	WG2261956
Naphthalene	U		0.00100	0.00500	1	04/06/2024 17:37	WG2261956
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2024 17:37	WG2261956
Styrene	U		0.000118	0.00100	1	04/06/2024 17:37	WG2261956
tert-Butyl alcohol	U		0.00406	0.00500	1	04/06/2024 17:37	WG2261956
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 17:37	WG2261956
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 17:37	WG2261956
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 17:37	WG2261956
Toluene	U		0.000278	0.00100	1	04/06/2024 17:37	WG2261956
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 17:37	WG2261956
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 17:37	WG2261956
Trichloroethene	U	J4	0.000190	0.00100	1	04/06/2024 17:37	WG2261956
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2024 17:37	WG2261956
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2024 17:37	WG2261956
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 17:37	WG2261956
o-Xylene	U		0.000174	0.00100	1	04/06/2024 17:37	WG2261956
m&p-Xylene	U		0.000430	0.00200	1	04/06/2024 17:37	WG2261956
Xylenes, Total	U		0.000174	0.00300	1	04/06/2024 17:37	WG2261956
(S) Toluene-d8	*123*	J1		*80.0-120*		*04/06/2024 17:37*	WG2261956
(S) 4-Bromofluorobenzene	*97.9*			*77.0-126*		*04/06/2024 17:37*	WG2261956
(S) 1,2-Dichloroethane-d4	*89.8*			*70.0-130*		*04/06/2024 17:37*	WG2261956

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4760		100	1	04/09/2024 11:40	WG2261403

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1280		3.79	10.0	10	04/05/2024 04:09	WG2260715
Fluoride	1.12	J	0.640	1.50	10	04/05/2024 04:09	WG2260715
Nitrate	U		0.480	1.00	10	04/05/2024 04:09	WG2260715
Nitrite	U		0.420	1.00	10	04/05/2024 04:09	WG2260715
Sulfate	1660		5.94	50.0	10	04/05/2024 04:09	WG2260715

Sample Narrative:

L1722286-13 WG2260715: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0123		0.000180	0.00200	1	04/14/2024 20:15	WG2262490
Arsenic,Dissolved	0.0126		0.000180	0.00200	1	04/10/2024 02:33	WG2261157
Barium	0.0138		0.000381	0.00200	1	04/14/2024 20:15	WG2262490
Barium,Dissolved	0.0132		0.000381	0.00200	1	04/10/2024 02:33	WG2261157
Calcium	400		0.0936	1.00	1	04/14/2024 20:15	WG2262490
Chromium	U		0.00124	0.00200	1	04/14/2024 20:15	WG2262490
Chromium,Dissolved	U		0.00124	0.00200	1	04/10/2024 02:33	WG2261157
Iron	0.253		0.0281	0.100	1	04/14/2024 20:15	WG2262490
Iron,Dissolved	0.187		0.0281	0.100	1	04/10/2024 02:33	WG2261157
Lead	U		0.000849	0.00200	1	04/14/2024 20:15	WG2262490
Lead,Dissolved	U		0.000849	0.00200	1	04/10/2024 02:33	WG2261157
Manganese	2.60		0.000704	0.00500	1	04/14/2024 20:15	WG2262490
Manganese,Dissolved	2.70		0.000704	0.00500	1	04/10/2024 02:33	WG2261157
Potassium	3.40		0.108	2.00	1	04/14/2024 20:15	WG2262490
Selenium	U		0.000300	0.00200	1	04/14/2024 20:15	WG2262490
Selenium,Dissolved	U		0.000300	0.00200	1	04/10/2024 02:33	WG2261157
Sodium	986		0.376	2.00	1	04/14/2024 20:15	WG2262490

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.628	2.00	20	04/10/2024 17:07	WG2263913
(S) a,a,a-Trifluorotoluene(FID)	*96.5*			*78.0-120*		*04/10/2024 17:07*	WG2263913

Sample Narrative:

L1722286-13 WG2263913: Lowest possible dilution due to sample foaming.

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 22:20	WG2261956
Benzene	U		0.0000941	0.00100	1	04/06/2024 22:20	WG2261956
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 22:20	WG2261956
Bromoform	U		0.000129	0.00100	1	04/06/2024 22:20	WG2261956
Bromomethane	U		0.000605	0.00500	1	04/06/2024 22:20	WG2261956
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 22:20	WG2261956

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2024 22:20	WG2261956
Carbon disulfide	U		0.0000962	0.00100	1	04/06/2024 22:20	WG2261956
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 22:20	WG2261956
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 22:20	WG2261956
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 22:20	WG2261956
Chloroethane	U		0.000192	0.00500	1	04/06/2024 22:20	WG2261956
Chloroform	U		0.000111	0.00500	1	04/06/2024 22:20	WG2261956
Chloromethane	U		0.000960	0.00250	1	04/06/2024 22:20	WG2261956
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 22:20	WG2261956
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 22:20	WG2261956
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 22:20	WG2261956
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 22:20	WG2261956
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 22:20	WG2261956
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 22:20	WG2261956
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 22:20	WG2261956
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 22:20	WG2261956
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 22:20	WG2261956
Ethylbenzene	U		0.000137	0.00100	1	04/06/2024 22:20	WG2261956
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2024 22:20	WG2261956
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 22:20	WG2261956
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 22:20	WG2261956
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 22:20	WG2261956
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 22:20	WG2261956
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 22:20	WG2261956
Methyl tert-butyl ether	0.000775	J	0.000101	0.00100	1	04/06/2024 22:20	WG2261956
Naphthalene	U		0.00100	0.00500	1	04/06/2024 22:20	WG2261956
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2024 22:20	WG2261956
Styrene	U		0.000118	0.00100	1	04/06/2024 22:20	WG2261956
tert-Butyl alcohol	U		0.00406	0.00500	1	04/06/2024 22:20	WG2261956
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 22:20	WG2261956
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 22:20	WG2261956
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 22:20	WG2261956
Toluene	U		0.000278	0.00100	1	04/06/2024 22:20	WG2261956
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 22:20	WG2261956
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 22:20	WG2261956
Trichloroethene	U	J4	0.000190	0.00100	1	04/06/2024 22:20	WG2261956
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2024 22:20	WG2261956
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2024 22:20	WG2261956
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 22:20	WG2261956
o-Xylene	U		0.000174	0.00100	1	04/06/2024 22:20	WG2261956
m&p-Xylene	U		0.000430	0.00200	1	04/06/2024 22:20	WG2261956
Xylenes, Total	U		0.000174	0.00300	1	04/06/2024 22:20	WG2261956
(S) Toluene-d8	*109*			*80.0-120*		*04/06/2024 22:20*	WG2261956
(S) 4-Bromofluorobenzene	*91.1*			*77.0-126*		*04/06/2024 22:20*	WG2261956
(S) 1,2-Dichloroethane-d4	*83.7*			*70.0-130*		*04/06/2024 22:20*	WG2261956

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1.52	J3	0.0247	0.100	1	04/10/2024 18:43	WG2263376
(S) o-Terphenyl	*91.6*			*52.0-156*		*04/10/2024 18:43*	WG2263376

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3730		100	1	04/09/2024 11:40	WG2261403

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1350		3.79	10.0	10	04/04/2024 23:44	WG2260717
Fluoride	U		6.40	15.0	100	04/05/2024 05:10	WG2260717
Nitrate	1.02	B	0.480	1.00	10	04/04/2024 23:44	WG2260717
Nitrite	1.00	B	0.420	1.00	10	04/04/2024 23:44	WG2260717
Sulfate	1950		5.94	50.0	10	04/04/2024 23:44	WG2260717

Sample Narrative:

L1722286-14 WG2260717: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0189		0.000180	0.00200	1	04/14/2024 20:18	WG2262490
Arsenic,Dissolved	0.0166		0.000180	0.00200	1	04/10/2024 02:36	WG2261157
Barium	0.0282		0.000381	0.00200	1	04/14/2024 20:18	WG2262490
Barium,Dissolved	0.0268		0.000381	0.00200	1	04/10/2024 02:36	WG2261157
Calcium	496		0.0936	1.00	1	04/14/2024 20:18	WG2262490
Chromium	0.00124	J	0.00124	0.00200	1	04/14/2024 20:18	WG2262490
Chromium,Dissolved	U		0.00124	0.00200	1	04/10/2024 02:36	WG2261157
Iron	0.783		0.0281	0.100	1	04/14/2024 20:18	WG2262490
Iron,Dissolved	0.0492	J	0.0281	0.100	1	04/10/2024 02:36	WG2261157
Lead	0.00164	J	0.000849	0.00200	1	04/14/2024 20:18	WG2262490
Lead,Dissolved	U		0.000849	0.00200	1	04/10/2024 02:36	WG2261157
Manganese	3.15		0.000704	0.00500	1	04/14/2024 20:18	WG2262490
Manganese,Dissolved	3.45		0.000704	0.00500	1	04/10/2024 02:36	WG2261157
Potassium	3.58		0.108	2.00	1	04/14/2024 20:18	WG2262490
Selenium	0.000453	J	0.000300	0.00200	1	04/14/2024 20:18	WG2262490
Selenium,Dissolved	U		0.000300	0.00200	1	04/10/2024 02:36	WG2261157
Sodium	1000		0.376	2.00	1	04/14/2024 20:18	WG2262490

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.234		0.0314	0.100	1	04/10/2024 16:09	WG2263913
(S) a,a,a-Trifluorotoluene(FID)	*96.4*			*78.0-120*		*04/10/2024 16:09*	WG2263913

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 22:40	WG2261956
Benzene	U		0.0000941	0.00100	1	04/06/2024 22:40	WG2261956
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 22:40	WG2261956
Bromoform	U		0.000129	0.00100	1	04/06/2024 22:40	WG2261956
Bromomethane	U		0.000605	0.00500	1	04/06/2024 22:40	WG2261956
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 22:40	WG2261956
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2024 22:40	WG2261956
Carbon disulfide	U		0.0000962	0.00100	1	04/06/2024 22:40	WG2261956
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 22:40	WG2261956

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 22:40	WG2261956
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 22:40	WG2261956
Chloroethane	U		0.000192	0.00500	1	04/06/2024 22:40	WG2261956
Chloroform	U		0.000111	0.00500	1	04/06/2024 22:40	WG2261956
Chloromethane	U		0.000960	0.00250	1	04/06/2024 22:40	WG2261956
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 22:40	WG2261956
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 22:40	WG2261956
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 22:40	WG2261956
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 22:40	WG2261956
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 22:40	WG2261956
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 22:40	WG2261956
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 22:40	WG2261956
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 22:40	WG2261956
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 22:40	WG2261956
Ethylbenzene	U		0.000137	0.00100	1	04/06/2024 22:40	WG2261956
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2024 22:40	WG2261956
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 22:40	WG2261956
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 22:40	WG2261956
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 22:40	WG2261956
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 22:40	WG2261956
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 22:40	WG2261956
Methyl tert-butyl ether	0.00137		0.000101	0.00100	1	04/06/2024 22:40	WG2261956
Naphthalene	U		0.00100	0.00500	1	04/06/2024 22:40	WG2261956
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2024 22:40	WG2261956
Styrene	U		0.000118	0.00100	1	04/06/2024 22:40	WG2261956
tert-Butyl alcohol	U		0.00406	0.00500	1	04/06/2024 22:40	WG2261956
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 22:40	WG2261956
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 22:40	WG2261956
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 22:40	WG2261956
Toluene	U		0.000278	0.00100	1	04/06/2024 22:40	WG2261956
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 22:40	WG2261956
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 22:40	WG2261956
Trichloroethene	U	J4	0.000190	0.00100	1	04/06/2024 22:40	WG2261956
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2024 22:40	WG2261956
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2024 22:40	WG2261956
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 22:40	WG2261956
o-Xylene	U		0.000174	0.00100	1	04/06/2024 22:40	WG2261956
m&p-Xylene	U		0.000430	0.00200	1	04/06/2024 22:40	WG2261956
Xylenes, Total	U		0.000174	0.00300	1	04/06/2024 22:40	WG2261956
(S) Toluene-d8	*109*			*80.0-120*		*04/06/2024 22:40*	WG2261956
(S) 4-Bromofluorobenzene	*93.1*			*77.0-126*		*04/06/2024 22:40*	WG2261956
(S) 1,2-Dichloroethane-d4	*89.8*			*70.0-130*		*04/06/2024 22:40*	WG2261956

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1.84	J3	0.0247	0.100	1	04/10/2024 19:03	WG2263376
(S) o-Terphenyl	*92.1*			*52.0-156*		*04/10/2024 19:03*	WG2263376

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3090		100	1	04/09/2024 11:40	WG2261403

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1300		3.79	10.0	10	04/05/2024 00:24	WG2260717
Fluoride	0.272	B	0.0640	0.150	1	04/19/2024 08:45	WG2270014
Nitrate	0.957	B J	0.480	1.00	10	04/05/2024 00:24	WG2260717
Nitrite	0.877	B J	0.420	1.00	10	04/05/2024 00:24	WG2260717
Sulfate	1790		5.94	50.0	10	04/05/2024 00:24	WG2260717

Sample Narrative:

L1722286-15 WG2260717: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.152		0.000180	0.00200	1	04/14/2024 20:22	WG2262490
Arsenic,Dissolved	0.0939		0.000180	0.00200	1	04/11/2024 22:49	WG2261159
Barium	0.0121		0.000381	0.00200	1	04/14/2024 20:22	WG2262490
Barium,Dissolved	0.0102		0.000381	0.00200	1	04/11/2024 22:49	WG2261159
Calcium	383		0.0936	1.00	1	04/14/2024 20:22	WG2262490
Chromium	U		0.00124	0.00200	1	04/14/2024 20:22	WG2262490
Chromium,Dissolved	0.00159	J	0.00124	0.00200	1	04/11/2024 22:49	WG2261159
Iron	2.29		0.0281	0.100	1	04/14/2024 20:22	WG2262490
Iron,Dissolved	1.22		0.0281	0.100	1	04/11/2024 22:49	WG2261159
Lead	U		0.000849	0.00200	1	04/14/2024 20:22	WG2262490
Lead,Dissolved	U		0.000849	0.00200	1	04/11/2024 22:49	WG2261159
Manganese	1.64		0.000704	0.00500	1	04/14/2024 20:22	WG2262490
Manganese,Dissolved	1.37		0.000704	0.00500	1	04/11/2024 22:49	WG2261159
Potassium	4.85		0.108	2.00	1	04/14/2024 20:22	WG2262490
Selenium	0.000434	J	0.000300	0.00200	1	04/14/2024 20:22	WG2262490
Selenium,Dissolved	0.000505	J	0.000300	0.00200	1	04/11/2024 22:49	WG2261159
Sodium	968		0.376	2.00	1	04/14/2024 20:22	WG2262490

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.874	J	0.628	2.00	20	04/10/2024 22:15	WG2263916
(S) a,a,a-Trifluorotoluene(FID)	*120*			*78.0-120*		*04/10/2024 22:15*	WG2263916

Sample Narrative:

L1722286-15 WG2263916: Lowest possible dilution due to sample foaming.

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 23:00	WG2261956
Benzene	U		0.0000941	0.00100	1	04/06/2024 23:00	WG2261956
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 23:00	WG2261956
Bromoform	U		0.000129	0.00100	1	04/06/2024 23:00	WG2261956
Bromomethane	U		0.000605	0.00500	1	04/06/2024 23:00	WG2261956
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 23:00	WG2261956

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
sec-Butylbenzene	0.000211	J	0.000125	0.00100	1	04/06/2024 23:00	WG2261956
Carbon disulfide	U		0.0000962	0.00100	1	04/06/2024 23:00	WG2261956
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 23:00	WG2261956
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 23:00	WG2261956
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 23:00	WG2261956
Chloroethane	U		0.000192	0.00500	1	04/06/2024 23:00	WG2261956
Chloroform	U		0.000111	0.00500	1	04/06/2024 23:00	WG2261956
Chloromethane	U		0.000960	0.00250	1	04/06/2024 23:00	WG2261956
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 23:00	WG2261956
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 23:00	WG2261956
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 23:00	WG2261956
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 23:00	WG2261956
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 23:00	WG2261956
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 23:00	WG2261956
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 23:00	WG2261956
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 23:00	WG2261956
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 23:00	WG2261956
Ethylbenzene	U		0.000137	0.00100	1	04/06/2024 23:00	WG2261956
Isopropylbenzene	0.00131		0.000105	0.00100	1	04/06/2024 23:00	WG2261956
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 23:00	WG2261956
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 23:00	WG2261956
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 23:00	WG2261956
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 23:00	WG2261956
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 23:00	WG2261956
Methyl tert-butyl ether	0.000279	J	0.000101	0.00100	1	04/06/2024 23:00	WG2261956
Naphthalene	U		0.00100	0.00500	1	04/06/2024 23:00	WG2261956
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2024 23:00	WG2261956
Styrene	U		0.000118	0.00100	1	04/06/2024 23:00	WG2261956
tert-Butyl alcohol	0.0456		0.00406	0.00500	1	04/06/2024 23:00	WG2261956
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 23:00	WG2261956
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 23:00	WG2261956
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 23:00	WG2261956
Toluene	U		0.000278	0.00100	1	04/06/2024 23:00	WG2261956
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 23:00	WG2261956
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 23:00	WG2261956
Trichloroethene	U	J4	0.000190	0.00100	1	04/06/2024 23:00	WG2261956
1,2,4-Trimethylbenzene	0.000331	J	0.000322	0.00100	1	04/06/2024 23:00	WG2261956
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2024 23:00	WG2261956
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 23:00	WG2261956
o-Xylene	U		0.000174	0.00100	1	04/06/2024 23:00	WG2261956
m&p-Xylene	0.000719	J	0.000430	0.00200	1	04/06/2024 23:00	WG2261956
Xylenes, Total	0.000719	J	0.000174	0.00300	1	04/06/2024 23:00	WG2261956
(S) Toluene-d8	*111*			*80.0-120*		*04/06/2024 23:00*	WG2261956
(S) 4-Bromofluorobenzene	*94.6*			*77.0-126*		*04/06/2024 23:00*	WG2261956
(S) 1,2-Dichloroethane-d4	*86.3*			*70.0-130*		*04/06/2024 23:00*	WG2261956

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	8.32	J3	0.0247	0.100	1	04/10/2024 19:23	WG2263376
(S) o-Terphenyl	*108*			*52.0-156*		*04/10/2024 19:23*	WG2263376

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	8220		200	1	04/07/2024 08:50	WG2261235

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	2540		37.9	100	100	04/05/2024 09:58	WG2260720
Fluoride	3.99		0.640	1.50	10	04/05/2024 04:55	WG2260720
Nitrate	76.8		4.80	10.0	100	04/05/2024 09:58	WG2260720
Nitrite	U		0.420	1.00	10	04/05/2024 04:55	WG2260720
Sulfate	4980		59.4	500	100	04/05/2024 09:58	WG2260720

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.170		0.000900	0.0100	5	04/14/2024 19:23	WG2262490
Arsenic,Dissolved	0.172		0.000900	0.0100	5	04/11/2024 23:39	WG2261159
Barium	0.0149		0.00190	0.0100	5	04/14/2024 19:23	WG2262490
Barium,Dissolved	0.0134		0.00190	0.0100	5	04/11/2024 23:39	WG2261159
Calcium	428		0.468	5.00	5	04/14/2024 19:23	WG2262490
Chromium	U		0.00620	0.0100	5	04/14/2024 19:23	WG2262490
Chromium,Dissolved	U		0.00620	0.0100	5	04/11/2024 23:39	WG2261159
Iron	6.21		0.140	0.500	5	04/14/2024 19:23	WG2262490
Iron,Dissolved	6.23		0.140	0.500	5	04/11/2024 23:39	WG2261159
Lead	U		0.00424	0.0100	5	04/14/2024 19:23	WG2262490
Lead,Dissolved	U		0.00424	0.0100	5	04/11/2024 23:39	WG2261159
Manganese	0.995		0.00352	0.0250	5	04/14/2024 19:23	WG2262490
Manganese,Dissolved	1.05		0.00352	0.0250	5	04/11/2024 23:39	WG2261159
Potassium	8.36	J	0.540	10.0	5	04/14/2024 19:23	WG2262490
Selenium	U		0.00150	0.0100	5	04/14/2024 19:23	WG2262490
Selenium,Dissolved	U		0.00150	0.0100	5	04/11/2024 23:39	WG2261159
Sodium	2630		1.88	10.0	5	04/14/2024 19:23	WG2262490

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	1.73		0.0314	0.100	1	04/10/2024 17:20	WG2263916
(S) a,a,a-Trifluorotoluene(FID)	*118*			*78.0-120*		*04/10/2024 17:20*	WG2263916

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 23:20	WG2261956
Benzene	U		0.0000941	0.00100	1	04/06/2024 23:20	WG2261956
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 23:20	WG2261956
Bromoform	U		0.000129	0.00100	1	04/06/2024 23:20	WG2261956
Bromomethane	U		0.000605	0.00500	1	04/06/2024 23:20	WG2261956
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 23:20	WG2261956
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2024 23:20	WG2261956
Carbon disulfide	U		0.0000962	0.00100	1	04/06/2024 23:20	WG2261956
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 23:20	WG2261956
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 23:20	WG2261956
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 23:20	WG2261956
Chloroethane	U		0.000192	0.00500	1	04/06/2024 23:20	WG2261956

MW-5A
Collected date/time: 04/03/24 10:10
L1722286

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloroform	U		0.000111	0.00500	1	04/06/2024 23:20	WG2261956
Chloromethane	U		0.000960	0.00250	1	04/06/2024 23:20	WG2261956
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 23:20	WG2261956
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 23:20	WG2261956
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 23:20	WG2261956
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 23:20	WG2261956
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 23:20	WG2261956
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 23:20	WG2261956
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 23:20	WG2261956
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 23:20	WG2261956
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 23:20	WG2261956
Ethylbenzene	U		0.000137	0.00100	1	04/06/2024 23:20	WG2261956
Isopropylbenzene	0.000251	J	0.000105	0.00100	1	04/06/2024 23:20	WG2261956
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 23:20	WG2261956
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 23:20	WG2261956
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 23:20	WG2261956
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 23:20	WG2261956
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 23:20	WG2261956
Methyl tert-butyl ether	0.000986	J	0.000101	0.00100	1	04/06/2024 23:20	WG2261956
Naphthalene	U		0.00100	0.00500	1	04/06/2024 23:20	WG2261956
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2024 23:20	WG2261956
Styrene	U		0.000118	0.00100	1	04/06/2024 23:20	WG2261956
tert-Butyl alcohol	0.0231		0.00406	0.00500	1	04/06/2024 23:20	WG2261956
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 23:20	WG2261956
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 23:20	WG2261956
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 23:20	WG2261956
Toluene	U		0.000278	0.00100	1	04/06/2024 23:20	WG2261956
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 23:20	WG2261956
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 23:20	WG2261956
Trichloroethene	U	J4	0.000190	0.00100	1	04/06/2024 23:20	WG2261956
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2024 23:20	WG2261956
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2024 23:20	WG2261956
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 23:20	WG2261956
o-Xylene	U		0.000174	0.00100	1	04/06/2024 23:20	WG2261956
m&p-Xylene	U		0.000430	0.00200	1	04/06/2024 23:20	WG2261956
Xylenes, Total	U		0.000174	0.00300	1	04/06/2024 23:20	WG2261956
(S) Toluene-d8	*108*			*80.0-120*		*04/06/2024 23:20*	WG2261956
(S) 4-Bromofluorobenzene	*95.6*			*77.0-126*		*04/06/2024 23:20*	WG2261956
(S) 1,2-Dichloroethane-d4	*85.8*			*70.0-130*		*04/06/2024 23:20*	WG2261956

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	5.99	J3	0.0247	0.100	1	04/10/2024 19:44	WG2263376
(S) o-Terphenyl	*103*			*52.0-156*		*04/10/2024 19:44*	WG2263376

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	5180		100	1	04/09/2024 11:40	WG2261403

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1800		37.9	100	100	04/05/2024 09:49	WG2260722
Fluoride	2.18		0.640	1.50	10	04/05/2024 03:21	WG2260722
Nitrate	U		0.480	1.00	10	04/05/2024 03:21	WG2260722
Nitrite	U		0.420	1.00	10	04/05/2024 03:21	WG2260722
Sulfate	2160		59.4	500	100	04/05/2024 09:49	WG2260722

Sample Narrative:

L1722286-17 WG2260722: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0147		0.000180	0.00200	1	04/14/2024 21:00	WG2262490
Arsenic,Dissolved	0.0129		0.000180	0.00200	1	04/11/2024 22:55	WG2261159
Barium	0.0152		0.000381	0.00200	1	04/14/2024 21:00	WG2262490
Barium,Dissolved	0.0126		0.000381	0.00200	1	04/11/2024 22:55	WG2261159
Calcium	347		0.0936	1.00	1	04/14/2024 21:00	WG2262490
Chromium	U		0.00124	0.00200	1	04/14/2024 21:00	WG2262490
Chromium,Dissolved	U		0.00124	0.00200	1	04/11/2024 22:55	WG2261159
Iron	2.38		0.0281	0.100	1	04/14/2024 21:00	WG2262490
Iron,Dissolved	1.98		0.0281	0.100	1	04/11/2024 22:55	WG2261159
Lead	U		0.000849	0.00200	1	04/14/2024 21:00	WG2262490
Lead,Dissolved	U		0.000849	0.00200	1	04/11/2024 22:55	WG2261159
Manganese	0.454		0.000704	0.00500	1	04/14/2024 21:00	WG2262490
Manganese,Dissolved	0.383		0.000704	0.00500	1	04/11/2024 22:55	WG2261159
Potassium	3.54		0.108	2.00	1	04/14/2024 21:00	WG2262490
Selenium	U		0.000300	0.00200	1	04/14/2024 21:00	WG2262490
Selenium,Dissolved	0.000366	J	0.000300	0.00200	1	04/11/2024 22:55	WG2261159
Sodium	1360		1.88	10.0	5	04/14/2024 19:27	WG2262490

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.264		0.0314	0.100	1	04/10/2024 17:43	WG2263916
(S) a,a,a-Trifluorotoluene(FID)	*116*			*78.0-120*		*04/10/2024 17:43*	WG2263916

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/07/2024 02:02	WG2261965
Benzene	U		0.0000941	0.00100	1	04/07/2024 02:02	WG2261965
Bromodichloromethane	U		0.000136	0.00100	1	04/07/2024 02:02	WG2261965
Bromoform	U		0.000129	0.00100	1	04/07/2024 02:02	WG2261965
Bromomethane	U		0.000605	0.00500	1	04/07/2024 02:02	WG2261965
n-Butylbenzene	U		0.000157	0.00100	1	04/07/2024 02:02	WG2261965
sec-Butylbenzene	U		0.000125	0.00100	1	04/07/2024 02:02	WG2261965
Carbon disulfide	U		0.0000962	0.00100	1	04/07/2024 02:02	WG2261965
Carbon tetrachloride	U		0.000128	0.00100	1	04/07/2024 02:02	WG2261965

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	04/07/2024 02:02	WG2261965
Chlorodibromomethane	U		0.000140	0.00100	1	04/07/2024 02:02	WG2261965
Chloroethane	U		0.000192	0.00500	1	04/07/2024 02:02	WG2261965
Chloroform	U		0.000111	0.00500	1	04/07/2024 02:02	WG2261965
Chloromethane	U		0.000960	0.00250	1	04/07/2024 02:02	WG2261965
1,2-Dibromoethane	U		0.000126	0.00100	1	04/07/2024 02:02	WG2261965
1,1-Dichloroethane	U		0.000100	0.00100	1	04/07/2024 02:02	WG2261965
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/07/2024 02:02	WG2261965
1,1-Dichloroethene	U		0.000188	0.00100	1	04/07/2024 02:02	WG2261965
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/07/2024 02:02	WG2261965
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/07/2024 02:02	WG2261965
1,2-Dichloropropane	U		0.000149	0.00100	1	04/07/2024 02:02	WG2261965
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/07/2024 02:02	WG2261965
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/07/2024 02:02	WG2261965
Ethylbenzene	U		0.000137	0.00100	1	04/07/2024 02:02	WG2261965
Isopropylbenzene	U		0.000105	0.00100	1	04/07/2024 02:02	WG2261965
p-Isopropyltoluene	U		0.000120	0.00100	1	04/07/2024 02:02	WG2261965
2-Butanone (MEK)	U		0.00119	0.0100	1	04/07/2024 02:02	WG2261965
2-Hexanone	U		0.000787	0.0100	1	04/07/2024 02:02	WG2261965
Methylene Chloride	U		0.000430	0.00500	1	04/07/2024 02:02	WG2261965
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/07/2024 02:02	WG2261965
Methyl tert-butyl ether	0.000862	J	0.000101	0.00100	1	04/07/2024 02:02	WG2261965
Naphthalene	U		0.00100	0.00500	1	04/07/2024 02:02	WG2261965
n-Propylbenzene	U		0.0000993	0.00100	1	04/07/2024 02:02	WG2261965
Styrene	U		0.000118	0.00100	1	04/07/2024 02:02	WG2261965
tert-Butyl alcohol	U		0.00406	0.00500	1	04/07/2024 02:02	WG2261965
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/07/2024 02:02	WG2261965
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/07/2024 02:02	WG2261965
Tetrachloroethene	U		0.000300	0.00100	1	04/07/2024 02:02	WG2261965
Toluene	U		0.000278	0.00100	1	04/07/2024 02:02	WG2261965
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/07/2024 02:02	WG2261965
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/07/2024 02:02	WG2261965
Trichloroethene	U		0.000190	0.00100	1	04/07/2024 02:02	WG2261965
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/07/2024 02:02	WG2261965
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/07/2024 02:02	WG2261965
Vinyl chloride	U		0.000234	0.00100	1	04/07/2024 02:02	WG2261965
o-Xylene	U		0.000174	0.00100	1	04/07/2024 02:02	WG2261965
m&p-Xylene	U		0.000430	0.00200	1	04/07/2024 02:02	WG2261965
Xylenes, Total	U		0.000174	0.00300	1	04/07/2024 02:02	WG2261965
(S) Toluene-d8	*111*			*80.0-120*		*04/07/2024 02:02*	WG2261965
(S) 4-Bromofluorobenzene	*94.1*			*77.0-126*		*04/07/2024 02:02*	WG2261965
(S) 1,2-Dichloroethane-d4	*90.4*			*70.0-130*		*04/07/2024 02:02*	WG2261965

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.937	J3	0.0247	0.100	1	04/10/2024 20:04	WG2263376
(S) o-Terphenyl	*90.0*			*52.0-156*		*04/10/2024 20:04*	WG2263376

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	9420		200	1	04/07/2024 08:50	WG2261235

Wet Chemistry by Method 4500CN E-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Cyanide	U	J6	0.00180	0.00500	1	04/11/2024 22:56	WG2264666

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	3260		37.9	100	100	04/05/2024 11:28	WG2260724
Fluoride	2.25		0.640	1.50	10	04/05/2024 08:28	WG2260724
Nitrate	U		0.480	1.00	10	04/05/2024 08:28	WG2260724
Nitrite	U		0.420	1.00	10	04/05/2024 08:28	WG2260724
Sulfate	3870		59.4	500	100	04/05/2024 11:28	WG2260724

Sample Narrative:

L1722286-18 WG2260724: Dilution due to matrix.

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	04/06/2024 21:59	WG2261017
Mercury,Dissolved	U		0.00100	0.00200	10	04/08/2024 19:31	WG2262313

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.833		0.0200	0.200	1	04/10/2024 21:56	WG2262486
Boron,Dissolved	0.846		0.0200	0.200	1	04/08/2024 10:10	WG2261152

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0674		0.000900	0.0100	5	04/14/2024 19:30	WG2262490
Arsenic,Dissolved	0.0676	O1	0.000900	0.0100	5	04/11/2024 23:26	WG2261159
Barium	0.0171		0.00190	0.0100	5	04/14/2024 19:30	WG2262490
Barium,Dissolved	0.0157	J5	0.00190	0.0100	5	04/11/2024 23:26	WG2261159
Cadmium	U		0.000750	0.00500	5	04/14/2024 19:30	WG2262490
Cadmium,Dissolved	U		0.000750	0.00500	5	04/11/2024 23:26	WG2261159
Calcium	689		0.468	5.00	5	04/14/2024 19:30	WG2262490
Chromium	U		0.00620	0.0100	5	04/14/2024 19:30	WG2262490
Chromium,Dissolved	0.0160	J6	0.00620	0.0100	5	04/11/2024 23:26	WG2261159
Cobalt	0.00131	J	0.000298	0.0100	5	04/14/2024 19:30	WG2262490
Cobalt,Dissolved	0.00144	J	0.000298	0.0100	5	04/11/2024 23:26	WG2261159
Iron	4.82		0.140	0.500	5	04/14/2024 19:30	WG2262490
Iron,Dissolved	4.17	O1	0.140	0.500	5	04/11/2024 23:26	WG2261159
Lead	U		0.00424	0.0100	5	04/14/2024 19:30	WG2262490
Lead,Dissolved	U		0.00424	0.0100	5	04/11/2024 23:26	WG2261159
Manganese	3.00		0.00352	0.0250	5	04/14/2024 19:30	WG2262490
Manganese,Dissolved	3.10	V	0.00352	0.0250	5	04/11/2024 23:26	WG2261159
Nickel	0.0212		0.00408	0.0100	5	04/14/2024 19:30	WG2262490
Nickel,Dissolved	0.0225		0.00408	0.0100	5	04/11/2024 23:26	WG2261159

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Potassium	9.65	J	0.540	10.0	5	04/14/2024 19:30	WG2262490
Selenium	0.00224	J	0.00150	0.0100	5	04/14/2024 19:30	WG2262490
Selenium,Dissolved	U		0.00150	0.0100	5	04/11/2024 23:26	WG2261159
Sodium	2670		1.88	10.0	5	04/14/2024 19:30	WG2262490
Uranium	0.00233	J	0.000394	0.00500	5	04/14/2024 23:45	WG2262490
Uranium,Dissolved	0.00220	J J4	0.000394	0.00500	5	04/11/2024 23:26	WG2261159
Vanadium	U		0.00332	0.0250	5	04/14/2024 19:30	WG2262490
Vanadium,Dissolved	U		0.00332	0.0250	5	04/11/2024 23:26	WG2261159

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	1.08		0.0314	0.100	1	04/10/2024 18:05	WG2263916
(S) a,a,a-Trifluorotoluene(FID)	*116*			*78.0-120*		*04/10/2024 18:05*	WG2263916

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/07/2024 02:22	WG2261965
Benzene	U		0.0000941	0.00100	1	04/07/2024 02:22	WG2261965
Bromodichloromethane	U		0.000136	0.00100	1	04/07/2024 02:22	WG2261965
Bromoform	U		0.000129	0.00100	1	04/07/2024 02:22	WG2261965
Bromomethane	U		0.000605	0.00500	1	04/07/2024 02:22	WG2261965
n-Butylbenzene	U		0.000157	0.00100	1	04/07/2024 02:22	WG2261965
sec-Butylbenzene	U		0.000125	0.00100	1	04/07/2024 02:22	WG2261965
Carbon disulfide	U		0.0000962	0.00100	1	04/07/2024 02:22	WG2261965
Carbon tetrachloride	U		0.000128	0.00100	1	04/07/2024 02:22	WG2261965
Chlorobenzene	U		0.000116	0.00100	1	04/07/2024 02:22	WG2261965
Chlorodibromomethane	U		0.000140	0.00100	1	04/07/2024 02:22	WG2261965
Chloroethane	U		0.000192	0.00500	1	04/07/2024 02:22	WG2261965
Chloroform	U		0.000111	0.00500	1	04/07/2024 02:22	WG2261965
Chloromethane	U		0.000960	0.00250	1	04/07/2024 02:22	WG2261965
1,2-Dibromoethane	U		0.000126	0.00100	1	04/07/2024 02:22	WG2261965
1,1-Dichloroethane	U		0.000100	0.00100	1	04/07/2024 02:22	WG2261965
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/07/2024 02:22	WG2261965
1,1-Dichloroethene	U		0.000188	0.00100	1	04/07/2024 02:22	WG2261965
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/07/2024 02:22	WG2261965
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/07/2024 02:22	WG2261965
1,2-Dichloropropane	U		0.000149	0.00100	1	04/07/2024 02:22	WG2261965
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/07/2024 02:22	WG2261965
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/07/2024 02:22	WG2261965
Ethylbenzene	U		0.000137	0.00100	1	04/07/2024 02:22	WG2261965
Isopropylbenzene	U		0.000105	0.00100	1	04/07/2024 02:22	WG2261965
p-Isopropyltoluene	U		0.000120	0.00100	1	04/07/2024 02:22	WG2261965
2-Butanone (MEK)	U		0.00119	0.0100	1	04/07/2024 02:22	WG2261965
2-Hexanone	U		0.000787	0.0100	1	04/07/2024 02:22	WG2261965
Methylene Chloride	U		0.000430	0.00500	1	04/07/2024 02:22	WG2261965
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/07/2024 02:22	WG2261965
Methyl tert-butyl ether	0.00403		0.000101	0.00100	1	04/07/2024 02:22	WG2261965
Naphthalene	U		0.00100	0.00500	1	04/07/2024 02:22	WG2261965
n-Propylbenzene	U		0.0000993	0.00100	1	04/07/2024 02:22	WG2261965
Styrene	U		0.000118	0.00100	1	04/07/2024 02:22	WG2261965
tert-Butyl alcohol	0.121		0.00406	0.00500	1	04/07/2024 02:22	WG2261965
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/07/2024 02:22	WG2261965
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/07/2024 02:22	WG2261965

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Tetrachloroethene	U		0.000300	0.00100	1	04/07/2024 02:22	WG2261965
Toluene	U		0.000278	0.00100	1	04/07/2024 02:22	WG2261965
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/07/2024 02:22	WG2261965
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/07/2024 02:22	WG2261965
Trichloroethene	U		0.000190	0.00100	1	04/07/2024 02:22	WG2261965
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/07/2024 02:22	WG2261965
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/07/2024 02:22	WG2261965
Vinyl chloride	U		0.000234	0.00100	1	04/07/2024 02:22	WG2261965
o-Xylene	U		0.000174	0.00100	1	04/07/2024 02:22	WG2261965
m&p-Xylene	U		0.000430	0.00200	1	04/07/2024 02:22	WG2261965
Xylenes, Total	U		0.000174	0.00300	1	04/07/2024 02:22	WG2261965
(S) Toluene-d8	*109*			*80.0-120*		*04/07/2024 02:22*	WG2261965
(S) 4-Bromofluorobenzene	*96.1*			*77.0-126*		*04/07/2024 02:22*	WG2261965
(S) 1,2-Dichloroethane-d4	*88.4*			*70.0-130*		*04/07/2024 02:22*	WG2261965

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	3.16	J3	0.0247	0.100	1	04/10/2024 20:24	WG2263376
(S) o-Terphenyl	*93.2*			*52.0-156*		*04/10/2024 20:24*	WG2263376

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	5290		100	1	04/09/2024 11:40	WG2261403

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1810		3.79	10.0	10	04/05/2024 05:11	WG2260720
Fluoride	1.37	J	0.640	1.50	10	04/05/2024 05:11	WG2260720
Nitrate	U		0.480	1.00	10	04/05/2024 05:11	WG2260720
Nitrite	U		0.420	1.00	10	04/05/2024 05:11	WG2260720
Sulfate	2320		59.4	500	100	04/05/2024 10:14	WG2260720

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0152		0.000180	0.00200	1	04/14/2024 21:03	WG2262490
Arsenic,Dissolved	0.0144		0.000180	0.00200	1	04/12/2024 00:55	WG2261159
Barium	0.0148		0.000381	0.00200	1	04/14/2024 21:03	WG2262490
Barium,Dissolved	0.0154		0.000381	0.00200	1	04/12/2024 00:55	WG2261159
Calcium	362		0.0936	1.00	1	04/14/2024 21:03	WG2262490
Chromium	U		0.00124	0.00200	1	04/14/2024 21:03	WG2262490
Chromium,Dissolved	U		0.00124	0.00200	1	04/12/2024 00:55	WG2261159
Iron	2.53		0.0281	0.100	1	04/14/2024 21:03	WG2262490
Iron,Dissolved	2.32		0.0281	0.100	1	04/12/2024 00:55	WG2261159
Lead	U		0.000849	0.00200	1	04/14/2024 21:03	WG2262490
Lead,Dissolved	U		0.000849	0.00200	1	04/12/2024 00:55	WG2261159
Manganese	0.478		0.000704	0.00500	1	04/14/2024 21:03	WG2262490
Manganese,Dissolved	0.442		0.000704	0.00500	1	04/12/2024 00:55	WG2261159
Potassium	3.73		0.108	2.00	1	04/14/2024 21:03	WG2262490
Selenium	U		0.000300	0.00200	1	04/14/2024 21:03	WG2262490
Selenium,Dissolved	0.000419	J	0.000300	0.00200	1	04/12/2024 00:55	WG2261159
Sodium	1440		1.88	10.0	5	04/14/2024 19:33	WG2262490

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.297		0.0314	0.100	1	04/10/2024 18:28	WG2263916
(S) a,a,a-Trifluorotoluene(FID)	*114*			*78.0-120*		*04/10/2024 18:28*	WG2263916

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/07/2024 02:42	WG2261965
Benzene	U		0.0000941	0.00100	1	04/07/2024 02:42	WG2261965
Bromodichloromethane	U		0.000136	0.00100	1	04/07/2024 02:42	WG2261965
Bromoform	U		0.000129	0.00100	1	04/07/2024 02:42	WG2261965
Bromomethane	U		0.000605	0.00500	1	04/07/2024 02:42	WG2261965
n-Butylbenzene	U		0.000157	0.00100	1	04/07/2024 02:42	WG2261965
sec-Butylbenzene	U		0.000125	0.00100	1	04/07/2024 02:42	WG2261965
Carbon disulfide	U		0.0000962	0.00100	1	04/07/2024 02:42	WG2261965
Carbon tetrachloride	U		0.000128	0.00100	1	04/07/2024 02:42	WG2261965
Chlorobenzene	U		0.000116	0.00100	1	04/07/2024 02:42	WG2261965
Chlorodibromomethane	U		0.000140	0.00100	1	04/07/2024 02:42	WG2261965
Chloroethane	U		0.000192	0.00500	1	04/07/2024 02:42	WG2261965

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloroform	U		0.000111	0.00500	1	04/07/2024 02:42	WG2261965
Chloromethane	U		0.000960	0.00250	1	04/07/2024 02:42	WG2261965
1,2-Dibromoethane	U		0.000126	0.00100	1	04/07/2024 02:42	WG2261965
1,1-Dichloroethane	U		0.000100	0.00100	1	04/07/2024 02:42	WG2261965
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/07/2024 02:42	WG2261965
1,1-Dichloroethene	U		0.000188	0.00100	1	04/07/2024 02:42	WG2261965
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/07/2024 02:42	WG2261965
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/07/2024 02:42	WG2261965
1,2-Dichloropropane	U		0.000149	0.00100	1	04/07/2024 02:42	WG2261965
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/07/2024 02:42	WG2261965
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/07/2024 02:42	WG2261965
Ethylbenzene	U		0.000137	0.00100	1	04/07/2024 02:42	WG2261965
Isopropylbenzene	U		0.000105	0.00100	1	04/07/2024 02:42	WG2261965
p-Isopropyltoluene	U		0.000120	0.00100	1	04/07/2024 02:42	WG2261965
2-Butanone (MEK)	U		0.00119	0.0100	1	04/07/2024 02:42	WG2261965
2-Hexanone	U		0.000787	0.0100	1	04/07/2024 02:42	WG2261965
Methylene Chloride	U		0.000430	0.00500	1	04/07/2024 02:42	WG2261965
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/07/2024 02:42	WG2261965
Methyl tert-butyl ether	0.000866	J	0.000101	0.00100	1	04/07/2024 02:42	WG2261965
Naphthalene	U		0.00100	0.00500	1	04/07/2024 02:42	WG2261965
n-Propylbenzene	U		0.0000993	0.00100	1	04/07/2024 02:42	WG2261965
Styrene	U		0.000118	0.00100	1	04/07/2024 02:42	WG2261965
tert-Butyl alcohol	0.00484	J	0.00406	0.00500	1	04/07/2024 02:42	WG2261965
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/07/2024 02:42	WG2261965
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/07/2024 02:42	WG2261965
Tetrachloroethene	U		0.000300	0.00100	1	04/07/2024 02:42	WG2261965
Toluene	U		0.000278	0.00100	1	04/07/2024 02:42	WG2261965
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/07/2024 02:42	WG2261965
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/07/2024 02:42	WG2261965
Trichloroethene	U		0.000190	0.00100	1	04/07/2024 02:42	WG2261965
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/07/2024 02:42	WG2261965
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/07/2024 02:42	WG2261965
Vinyl chloride	U		0.000234	0.00100	1	04/07/2024 02:42	WG2261965
o-Xylene	U		0.000174	0.00100	1	04/07/2024 02:42	WG2261965
m&p-Xylene	U		0.000430	0.00200	1	04/07/2024 02:42	WG2261965
Xylenes, Total	U		0.000174	0.00300	1	04/07/2024 02:42	WG2261965
(S) Toluene-d8	*109*			*80.0-120*		*04/07/2024 02:42*	WG2261965
(S) 4-Bromofluorobenzene	*93.2*			*77.0-126*		*04/07/2024 02:42*	WG2261965
(S) 1,2-Dichloroethane-d4	*89.9*			*70.0-130*		*04/07/2024 02:42*	WG2261965

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.920	J3	0.0247	0.100	1	04/10/2024 20:44	WG2263376
(S) o-Terphenyl	*88.9*			*52.0-156*		*04/10/2024 20:44*	WG2263376

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	ND		10.0	1	04/09/2024 11:40	WG2261403

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	0.698	J	0.379	1.00	1	04/05/2024 03:38	WG2260722
Fluoride	0.0972	J	0.0640	0.150	1	04/05/2024 03:38	WG2260722
Nitrate	0.0610	J	0.0480	0.100	1	04/05/2024 03:38	WG2260722
Nitrite	U		0.0420	0.100	1	04/05/2024 03:38	WG2260722
Sulfate	U		0.594	5.00	1	04/05/2024 03:38	WG2260722

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	U		0.000180	0.00200	1	04/14/2024 20:25	WG2262490
Arsenic,Dissolved	U		0.000180	0.00200	1	04/12/2024 20:25	WG2261159
Barium	U		0.000381	0.00200	1	04/14/2024 20:25	WG2262490
Barium,Dissolved	U		0.000381	0.00200	1	04/12/2024 20:25	WG2261159
Calcium	0.243	J	0.0936	1.00	1	04/14/2024 20:25	WG2262490
Chromium	U		0.00124	0.00200	1	04/14/2024 20:25	WG2262490
Chromium,Dissolved	U		0.00124	0.00200	1	04/12/2024 20:25	WG2261159
Iron	U		0.0281	0.100	1	04/14/2024 20:25	WG2262490
Iron,Dissolved	0.0394	J	0.0281	0.100	1	04/12/2024 20:25	WG2261159
Lead	U		0.000849	0.00200	1	04/14/2024 20:25	WG2262490
Lead,Dissolved	U		0.000849	0.00200	1	04/12/2024 20:25	WG2261159
Manganese	0.000973	J	0.000704	0.00500	1	04/14/2024 20:25	WG2262490
Manganese,Dissolved	U		0.000704	0.00500	1	04/12/2024 20:25	WG2261159
Potassium	U		0.108	2.00	1	04/14/2024 20:25	WG2262490
Selenium	U		0.000300	0.00200	1	04/14/2024 20:25	WG2262490
Selenium,Dissolved	U		0.000300	0.00200	1	04/12/2024 20:25	WG2261159
Sodium	U		0.376	2.00	1	04/14/2024 20:25	WG2262490

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/10/2024 16:57	WG2263916
(S) a,a,a-Trifluorotoluene(FID)	*116*			*78.0-120*		*04/10/2024 16:57*	WG2263916

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/07/2024 08:03	WG2261965
Benzene	U		0.0000941	0.00100	1	04/07/2024 08:03	WG2261965
Bromodichloromethane	U		0.000136	0.00100	1	04/07/2024 08:03	WG2261965
Bromoform	U		0.000129	0.00100	1	04/07/2024 08:03	WG2261965
Bromomethane	U		0.000605	0.00500	1	04/07/2024 08:03	WG2261965
n-Butylbenzene	U		0.000157	0.00100	1	04/07/2024 08:03	WG2261965
sec-Butylbenzene	U		0.000125	0.00100	1	04/07/2024 08:03	WG2261965
Carbon disulfide	U		0.0000962	0.00100	1	04/07/2024 08:03	WG2261965
Carbon tetrachloride	U		0.000128	0.00100	1	04/07/2024 08:03	WG2261965
Chlorobenzene	U		0.000116	0.00100	1	04/07/2024 08:03	WG2261965
Chlorodibromomethane	U		0.000140	0.00100	1	04/07/2024 08:03	WG2261965
Chloroethane	U		0.000192	0.00500	1	04/07/2024 08:03	WG2261965

LB-LT-03
Collected date/time: 04/03/24 10:30
L1722286

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloroform	0.00129	J	0.000111	0.00500	1	04/07/2024 08:03	WG2261965
Chloromethane	U		0.000960	0.00250	1	04/07/2024 08:03	WG2261965
1,2-Dibromoethane	U		0.000126	0.00100	1	04/07/2024 08:03	WG2261965
1,1-Dichloroethane	U		0.000100	0.00100	1	04/07/2024 08:03	WG2261965
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/07/2024 08:03	WG2261965
1,1-Dichloroethene	U		0.000188	0.00100	1	04/07/2024 08:03	WG2261965
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/07/2024 08:03	WG2261965
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/07/2024 08:03	WG2261965
1,2-Dichloropropane	U		0.000149	0.00100	1	04/07/2024 08:03	WG2261965
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/07/2024 08:03	WG2261965
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/07/2024 08:03	WG2261965
Ethylbenzene	U		0.000137	0.00100	1	04/07/2024 08:03	WG2261965
Isopropylbenzene	U		0.000105	0.00100	1	04/07/2024 08:03	WG2261965
p-Isopropyltoluene	U		0.000120	0.00100	1	04/07/2024 08:03	WG2261965
2-Butanone (MEK)	U		0.00119	0.0100	1	04/07/2024 08:03	WG2261965
2-Hexanone	U		0.000787	0.0100	1	04/07/2024 08:03	WG2261965
Methylene Chloride	U		0.000430	0.00500	1	04/07/2024 08:03	WG2261965
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/07/2024 08:03	WG2261965
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/07/2024 08:03	WG2261965
Naphthalene	U		0.00100	0.00500	1	04/07/2024 08:03	WG2261965
n-Propylbenzene	U		0.0000993	0.00100	1	04/07/2024 08:03	WG2261965
Styrene	U		0.000118	0.00100	1	04/07/2024 08:03	WG2261965
tert-Butyl alcohol	U		0.00406	0.00500	1	04/07/2024 08:03	WG2261965
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/07/2024 08:03	WG2261965
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/07/2024 08:03	WG2261965
Tetrachloroethene	U		0.000300	0.00100	1	04/07/2024 08:03	WG2261965
Toluene	U		0.000278	0.00100	1	04/07/2024 08:03	WG2261965
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/07/2024 08:03	WG2261965
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/07/2024 08:03	WG2261965
Trichloroethene	U		0.000190	0.00100	1	04/07/2024 08:03	WG2261965
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/07/2024 08:03	WG2261965
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/07/2024 08:03	WG2261965
Vinyl chloride	U		0.000234	0.00100	1	04/07/2024 08:03	WG2261965
o-Xylene	U		0.000174	0.00100	1	04/07/2024 08:03	WG2261965
m&p-Xylene	U		0.000430	0.00200	1	04/07/2024 08:03	WG2261965
Xylenes, Total	U		0.000174	0.00300	1	04/07/2024 08:03	WG2261965
(S) Toluene-d8	*111*			*80.0-120*		*04/07/2024 08:03*	WG2261965
(S) 4-Bromofluorobenzene	*100*			*77.0-126*		*04/07/2024 08:03*	WG2261965
(S) 1,2-Dichloroethane-d4	*89.7*			*70.0-130*		*04/07/2024 08:03*	WG2261965

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0667	B J J3	0.0247	0.100	1	04/10/2024 21:04	WG2263376
(S) o-Terphenyl	*82.1*			*52.0-156*		*04/10/2024 21:04*	WG2263376

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/07/2024 07:22	WG2261965
Benzene	U		0.0000941	0.00100	1	04/07/2024 07:22	WG2261965
Bromodichloromethane	U		0.000136	0.00100	1	04/07/2024 07:22	WG2261965
Bromoform	U		0.000129	0.00100	1	04/07/2024 07:22	WG2261965
Bromomethane	U		0.000605	0.00500	1	04/07/2024 07:22	WG2261965
n-Butylbenzene	U		0.000157	0.00100	1	04/07/2024 07:22	WG2261965
sec-Butylbenzene	U		0.000125	0.00100	1	04/07/2024 07:22	WG2261965
Carbon disulfide	U		0.0000962	0.00100	1	04/07/2024 07:22	WG2261965
Carbon tetrachloride	U		0.000128	0.00100	1	04/07/2024 07:22	WG2261965
Chlorobenzene	U		0.000116	0.00100	1	04/07/2024 07:22	WG2261965
Chlorodibromomethane	U		0.000140	0.00100	1	04/07/2024 07:22	WG2261965
Chloroethane	U		0.000192	0.00500	1	04/07/2024 07:22	WG2261965
Chloroform	U		0.000111	0.00500	1	04/07/2024 07:22	WG2261965
Chloromethane	U		0.000960	0.00250	1	04/07/2024 07:22	WG2261965
1,2-Dibromoethane	U		0.000126	0.00100	1	04/07/2024 07:22	WG2261965
1,1-Dichloroethane	U		0.000100	0.00100	1	04/07/2024 07:22	WG2261965
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/07/2024 07:22	WG2261965
1,1-Dichloroethene	U		0.000188	0.00100	1	04/07/2024 07:22	WG2261965
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/07/2024 07:22	WG2261965
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/07/2024 07:22	WG2261965
1,2-Dichloropropane	U		0.000149	0.00100	1	04/07/2024 07:22	WG2261965
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/07/2024 07:22	WG2261965
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/07/2024 07:22	WG2261965
Ethylbenzene	U		0.000137	0.00100	1	04/07/2024 07:22	WG2261965
Isopropylbenzene	U		0.000105	0.00100	1	04/07/2024 07:22	WG2261965
p-Isopropyltoluene	U		0.000120	0.00100	1	04/07/2024 07:22	WG2261965
2-Butanone (MEK)	U		0.00119	0.0100	1	04/07/2024 07:22	WG2261965
2-Hexanone	U		0.000787	0.0100	1	04/07/2024 07:22	WG2261965
Methylene Chloride	U		0.000430	0.00500	1	04/07/2024 07:22	WG2261965
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/07/2024 07:22	WG2261965
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/07/2024 07:22	WG2261965
Naphthalene	U		0.00100	0.00500	1	04/07/2024 07:22	WG2261965
n-Propylbenzene	U		0.0000993	0.00100	1	04/07/2024 07:22	WG2261965
Styrene	U		0.000118	0.00100	1	04/07/2024 07:22	WG2261965
tert-Butyl alcohol	U		0.00406	0.00500	1	04/07/2024 07:22	WG2261965
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/07/2024 07:22	WG2261965
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/07/2024 07:22	WG2261965
Tetrachloroethene	U		0.000300	0.00100	1	04/07/2024 07:22	WG2261965
Toluene	U		0.000278	0.00100	1	04/07/2024 07:22	WG2261965
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/07/2024 07:22	WG2261965
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/07/2024 07:22	WG2261965
Trichloroethene	U		0.000190	0.00100	1	04/07/2024 07:22	WG2261965
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/07/2024 07:22	WG2261965
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/07/2024 07:22	WG2261965
Vinyl chloride	U		0.000234	0.00100	1	04/07/2024 07:22	WG2261965
o-Xylene	U		0.000174	0.00100	1	04/07/2024 07:22	WG2261965
m&p-Xylene	U		0.000430	0.00200	1	04/07/2024 07:22	WG2261965
Xylenes, Total	U		0.000174	0.00300	1	04/07/2024 07:22	WG2261965
(S) Toluene-d8	*109*			*80.0-120*		*04/07/2024 07:22*	WG2261965
(S) 4-Bromofluorobenzene	*96.1*			*77.0-126*		*04/07/2024 07:22*	WG2261965
(S) 1,2-Dichloroethane-d4	*89.3*			*70.0-130*		*04/07/2024 07:22*	WG2261965

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4520		100	1	04/07/2024 08:50	WG2261235

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1740		3.79	10.0	10	04/05/2024 08:41	WG2260724
Fluoride	2.18		0.640	1.50	10	04/05/2024 08:41	WG2260724
Nitrate	U		0.480	1.00	10	04/05/2024 08:41	WG2260724
Nitrite	U		0.420	1.00	10	04/05/2024 08:41	WG2260724
Sulfate	2200		59.4	500	100	04/05/2024 12:06	WG2260724

Sample Narrative:

L1722286-22 WG2260724: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0118		0.000180	0.00200	1	04/14/2024 20:50	WG2262490
Arsenic,Dissolved	0.0141		0.000180	0.00200	1	04/12/2024 20:28	WG2261159
Barium	0.0205		0.000381	0.00200	1	04/14/2024 20:50	WG2262490
Barium,Dissolved	0.0238		0.000381	0.00200	1	04/12/2024 20:28	WG2261159
Calcium	561		0.0936	1.00	1	04/14/2024 20:50	WG2262490
Chromium	U		0.00124	0.00200	1	04/14/2024 20:50	WG2262490
Chromium,Dissolved	U		0.00124	0.00200	1	04/12/2024 20:28	WG2261159
Iron	4.53		0.0281	0.100	1	04/14/2024 20:50	WG2262490
Iron,Dissolved	5.72		0.0281	0.100	1	04/12/2024 20:28	WG2261159
Lead	U		0.000849	0.00200	1	04/14/2024 20:50	WG2262490
Lead,Dissolved	U		0.000849	0.00200	1	04/12/2024 20:28	WG2261159
Manganese	1.50		0.000704	0.00500	1	04/14/2024 20:50	WG2262490
Manganese,Dissolved	1.87		0.000704	0.00500	1	04/12/2024 20:28	WG2261159
Potassium	2.90		0.108	2.00	1	04/14/2024 20:50	WG2262490
Selenium	U		0.000300	0.00200	1	04/14/2024 20:50	WG2262490
Selenium,Dissolved	U		0.000300	0.00200	1	04/12/2024 20:28	WG2261159
Sodium	983		0.376	2.00	1	04/14/2024 20:50	WG2262490

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/10/2024 18:51	WG2263916
(S) a,a,a-Trifluorotoluene(FID)	*114*			*78.0-120*		*04/10/2024 18:51*	WG2263916

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/07/2024 03:01	WG2261965
Benzene	U		0.0000941	0.00100	1	04/07/2024 03:01	WG2261965
Bromodichloromethane	U		0.000136	0.00100	1	04/07/2024 03:01	WG2261965
Bromoform	U		0.000129	0.00100	1	04/07/2024 03:01	WG2261965
Bromomethane	U		0.000605	0.00500	1	04/07/2024 03:01	WG2261965
n-Butylbenzene	U		0.000157	0.00100	1	04/07/2024 03:01	WG2261965
sec-Butylbenzene	U		0.000125	0.00100	1	04/07/2024 03:01	WG2261965
Carbon disulfide	U		0.0000962	0.00100	1	04/07/2024 03:01	WG2261965
Carbon tetrachloride	U		0.000128	0.00100	1	04/07/2024 03:01	WG2261965

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	04/07/2024 03:01	WG2261965
Chlorodibromomethane	U		0.000140	0.00100	1	04/07/2024 03:01	WG2261965
Chloroethane	U		0.000192	0.00500	1	04/07/2024 03:01	WG2261965
Chloroform	U		0.000111	0.00500	1	04/07/2024 03:01	WG2261965
Chloromethane	U		0.000960	0.00250	1	04/07/2024 03:01	WG2261965
1,2-Dibromoethane	U		0.000126	0.00100	1	04/07/2024 03:01	WG2261965
1,1-Dichloroethane	U		0.000100	0.00100	1	04/07/2024 03:01	WG2261965
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/07/2024 03:01	WG2261965
1,1-Dichloroethene	U		0.000188	0.00100	1	04/07/2024 03:01	WG2261965
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/07/2024 03:01	WG2261965
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/07/2024 03:01	WG2261965
1,2-Dichloropropane	U		0.000149	0.00100	1	04/07/2024 03:01	WG2261965
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/07/2024 03:01	WG2261965
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/07/2024 03:01	WG2261965
Ethylbenzene	U		0.000137	0.00100	1	04/07/2024 03:01	WG2261965
Isopropylbenzene	U		0.000105	0.00100	1	04/07/2024 03:01	WG2261965
p-Isopropyltoluene	U		0.000120	0.00100	1	04/07/2024 03:01	WG2261965
2-Butanone (MEK)	U		0.00119	0.0100	1	04/07/2024 03:01	WG2261965
2-Hexanone	U		0.000787	0.0100	1	04/07/2024 03:01	WG2261965
Methylene Chloride	U		0.000430	0.00500	1	04/07/2024 03:01	WG2261965
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/07/2024 03:01	WG2261965
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/07/2024 03:01	WG2261965
Naphthalene	U		0.00100	0.00500	1	04/07/2024 03:01	WG2261965
n-Propylbenzene	U		0.0000993	0.00100	1	04/07/2024 03:01	WG2261965
Styrene	U		0.000118	0.00100	1	04/07/2024 03:01	WG2261965
tert-Butyl alcohol	U		0.00406	0.00500	1	04/07/2024 03:01	WG2261965
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/07/2024 03:01	WG2261965
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/07/2024 03:01	WG2261965
Tetrachloroethene	U		0.000300	0.00100	1	04/07/2024 03:01	WG2261965
Toluene	U		0.000278	0.00100	1	04/07/2024 03:01	WG2261965
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/07/2024 03:01	WG2261965
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/07/2024 03:01	WG2261965
Trichloroethene	U		0.000190	0.00100	1	04/07/2024 03:01	WG2261965
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/07/2024 03:01	WG2261965
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/07/2024 03:01	WG2261965
Vinyl chloride	U		0.000234	0.00100	1	04/07/2024 03:01	WG2261965
o-Xylene	U		0.000174	0.00100	1	04/07/2024 03:01	WG2261965
m&p-Xylene	U		0.000430	0.00200	1	04/07/2024 03:01	WG2261965
Xylenes, Total	U		0.000174	0.00300	1	04/07/2024 03:01	WG2261965
(S) Toluene-d8	*110*			*80.0-120*		*04/07/2024 03:01*	WG2261965
(S) 4-Bromofluorobenzene	*88.6*			*77.0-126*		*04/07/2024 03:01*	WG2261965
(S) 1,2-Dichloroethane-d4	*89.3*			*70.0-130*		*04/07/2024 03:01*	WG2261965

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.159	B J3	0.0247	0.100	1	04/10/2024 21:25	WG2263376
(S) o-Terphenyl	*81.6*			*52.0-156*		*04/10/2024 21:25*	WG2263376

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4630		100	1	04/09/2024 11:40	WG2261403

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1500		37.9	100	100	04/05/2024 10:06	WG2260722
Fluoride	1.75		0.640	1.50	10	04/05/2024 03:55	WG2260722
Nitrate	0.619	J	0.480	1.00	10	04/05/2024 03:55	WG2260722
Nitrite	U		0.420	1.00	10	04/05/2024 03:55	WG2260722
Sulfate	1750		59.4	500	100	04/05/2024 10:06	WG2260722

Sample Narrative:

L1722286-23 WG2260722: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00227		0.000180	0.00200	1	04/14/2024 21:07	WG2262490
Arsenic,Dissolved	0.00207		0.000180	0.00200	1	04/12/2024 20:32	WG2261159
Barium	0.0196		0.000381	0.00200	1	04/14/2024 21:07	WG2262490
Barium,Dissolved	0.0231		0.000381	0.00200	1	04/12/2024 20:32	WG2261159
Calcium	613		0.0936	1.00	1	04/14/2024 21:07	WG2262490
Chromium	U		0.00124	0.00200	1	04/14/2024 21:07	WG2262490
Chromium,Dissolved	U		0.00124	0.00200	1	04/12/2024 20:32	WG2261159
Iron	3.66		0.0281	0.100	1	04/14/2024 21:07	WG2262490
Iron,Dissolved	4.34		0.0281	0.100	1	04/12/2024 20:32	WG2261159
Lead	U		0.000849	0.00200	1	04/14/2024 21:07	WG2262490
Lead,Dissolved	U		0.000849	0.00200	1	04/12/2024 20:32	WG2261159
Manganese	1.41		0.000704	0.00500	1	04/14/2024 21:07	WG2262490
Manganese,Dissolved	1.80		0.000704	0.00500	1	04/12/2024 20:32	WG2261159
Potassium	4.88		0.108	2.00	1	04/14/2024 21:07	WG2262490
Selenium	U		0.000300	0.00200	1	04/14/2024 21:07	WG2262490
Selenium,Dissolved	U		0.000300	0.00200	1	04/12/2024 20:32	WG2261159
Sodium	904		0.376	2.00	1	04/14/2024 21:07	WG2262490

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/10/2024 19:13	WG2263916
(S) a,a,a-Trifluorotoluene(FID)	*115*			*78.0-120*		*04/10/2024 19:13*	WG2263916

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/07/2024 03:21	WG2261965
Benzene	U		0.0000941	0.00100	1	04/07/2024 03:21	WG2261965
Bromodichloromethane	U		0.000136	0.00100	1	04/07/2024 03:21	WG2261965
Bromoform	U		0.000129	0.00100	1	04/07/2024 03:21	WG2261965
Bromomethane	U		0.000605	0.00500	1	04/07/2024 03:21	WG2261965
n-Butylbenzene	U		0.000157	0.00100	1	04/07/2024 03:21	WG2261965
sec-Butylbenzene	U		0.000125	0.00100	1	04/07/2024 03:21	WG2261965
Carbon disulfide	U		0.0000962	0.00100	1	04/07/2024 03:21	WG2261965
Carbon tetrachloride	U		0.000128	0.00100	1	04/07/2024 03:21	WG2261965

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	04/07/2024 03:21	WG2261965
Chlorodibromomethane	U		0.000140	0.00100	1	04/07/2024 03:21	WG2261965
Chloroethane	U		0.000192	0.00500	1	04/07/2024 03:21	WG2261965
Chloroform	U		0.000111	0.00500	1	04/07/2024 03:21	WG2261965
Chloromethane	U		0.000960	0.00250	1	04/07/2024 03:21	WG2261965
1,2-Dibromoethane	U		0.000126	0.00100	1	04/07/2024 03:21	WG2261965
1,1-Dichloroethane	U		0.000100	0.00100	1	04/07/2024 03:21	WG2261965
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/07/2024 03:21	WG2261965
1,1-Dichloroethene	U		0.000188	0.00100	1	04/07/2024 03:21	WG2261965
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/07/2024 03:21	WG2261965
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/07/2024 03:21	WG2261965
1,2-Dichloropropane	U		0.000149	0.00100	1	04/07/2024 03:21	WG2261965
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/07/2024 03:21	WG2261965
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/07/2024 03:21	WG2261965
Ethylbenzene	U		0.000137	0.00100	1	04/07/2024 03:21	WG2261965
Isopropylbenzene	U		0.000105	0.00100	1	04/07/2024 03:21	WG2261965
p-Isopropyltoluene	U		0.000120	0.00100	1	04/07/2024 03:21	WG2261965
2-Butanone (MEK)	U		0.00119	0.0100	1	04/07/2024 03:21	WG2261965
2-Hexanone	U		0.000787	0.0100	1	04/07/2024 03:21	WG2261965
Methylene Chloride	U		0.000430	0.00500	1	04/07/2024 03:21	WG2261965
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/07/2024 03:21	WG2261965
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/07/2024 03:21	WG2261965
Naphthalene	U		0.00100	0.00500	1	04/07/2024 03:21	WG2261965
n-Propylbenzene	U		0.0000993	0.00100	1	04/07/2024 03:21	WG2261965
Styrene	U		0.000118	0.00100	1	04/07/2024 03:21	WG2261965
tert-Butyl alcohol	U		0.00406	0.00500	1	04/07/2024 03:21	WG2261965
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/07/2024 03:21	WG2261965
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/07/2024 03:21	WG2261965
Tetrachloroethene	U		0.000300	0.00100	1	04/07/2024 03:21	WG2261965
Toluene	U		0.000278	0.00100	1	04/07/2024 03:21	WG2261965
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/07/2024 03:21	WG2261965
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/07/2024 03:21	WG2261965
Trichloroethene	U		0.000190	0.00100	1	04/07/2024 03:21	WG2261965
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/07/2024 03:21	WG2261965
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/07/2024 03:21	WG2261965
Vinyl chloride	U		0.000234	0.00100	1	04/07/2024 03:21	WG2261965
o-Xylene	U		0.000174	0.00100	1	04/07/2024 03:21	WG2261965
m&p-Xylene	U		0.000430	0.00200	1	04/07/2024 03:21	WG2261965
Xylenes, Total	U		0.000174	0.00300	1	04/07/2024 03:21	WG2261965
(S) Toluene-d8	*111*			*80.0-120*		*04/07/2024 03:21*	WG2261965
(S) 4-Bromofluorobenzene	*99.1*			*77.0-126*		*04/07/2024 03:21*	WG2261965
(S) 1,2-Dichloroethane-d4	*88.7*			*70.0-130*		*04/07/2024 03:21*	WG2261965

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.109	B J3	0.0247	0.100	1	04/10/2024 21:45	WG2263376
(S) o-Terphenyl	*81.1*			*52.0-156*		*04/10/2024 21:45*	WG2263376

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3640		100	1	04/09/2024 11:40	WG2261403

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1090		3.79	10.0	10	04/05/2024 05:27	WG2260720
Fluoride	0.899	J	0.640	1.50	10	04/05/2024 05:27	WG2260720
Nitrate	U		0.480	1.00	10	04/05/2024 05:27	WG2260720
Nitrite	U		0.420	1.00	10	04/05/2024 05:27	WG2260720
Sulfate	1690		5.94	50.0	10	04/05/2024 05:27	WG2260720

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.000910	J	0.000180	0.00200	1	04/14/2024 21:10	WG2262490
Arsenic,Dissolved	0.000852	J	0.000180	0.00200	1	04/12/2024 20:35	WG2261159
Barium	0.0234		0.000381	0.00200	1	04/14/2024 21:10	WG2262490
Barium,Dissolved	0.0245		0.000381	0.00200	1	04/12/2024 20:35	WG2261159
Calcium	567		0.0936	1.00	1	04/14/2024 21:10	WG2262490
Chromium	U		0.00124	0.00200	1	04/14/2024 21:10	WG2262490
Chromium,Dissolved	U		0.00124	0.00200	1	04/12/2024 20:35	WG2261159
Iron	0.296		0.0281	0.100	1	04/14/2024 21:10	WG2262490
Iron,Dissolved	0.400		0.0281	0.100	1	04/12/2024 20:35	WG2261159
Lead	U		0.000849	0.00200	1	04/14/2024 21:10	WG2262490
Lead,Dissolved	U		0.000849	0.00200	1	04/12/2024 20:35	WG2261159
Manganese	0.277		0.000704	0.00500	1	04/14/2024 21:10	WG2262490
Manganese,Dissolved	0.484		0.000704	0.00500	1	04/12/2024 20:35	WG2261159
Potassium	8.38		0.108	2.00	1	04/14/2024 21:10	WG2262490
Selenium	U		0.000300	0.00200	1	04/14/2024 21:10	WG2262490
Selenium,Dissolved	U		0.000300	0.00200	1	04/12/2024 20:35	WG2261159
Sodium	627		0.376	2.00	1	04/14/2024 21:10	WG2262490

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/10/2024 19:36	WG2263916
(S) a,a,a-Trifluorotoluene(FID)	*114*			*78.0-120*		*04/10/2024 19:36*	WG2263916

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/07/2024 03:42	WG2261965
Benzene	U		0.0000941	0.00100	1	04/07/2024 03:42	WG2261965
Bromodichloromethane	U		0.000136	0.00100	1	04/07/2024 03:42	WG2261965
Bromoform	U		0.000129	0.00100	1	04/07/2024 03:42	WG2261965
Bromomethane	U		0.000605	0.00500	1	04/07/2024 03:42	WG2261965
n-Butylbenzene	U		0.000157	0.00100	1	04/07/2024 03:42	WG2261965
sec-Butylbenzene	U		0.000125	0.00100	1	04/07/2024 03:42	WG2261965
Carbon disulfide	U		0.0000962	0.00100	1	04/07/2024 03:42	WG2261965
Carbon tetrachloride	U		0.000128	0.00100	1	04/07/2024 03:42	WG2261965
Chlorobenzene	U		0.000116	0.00100	1	04/07/2024 03:42	WG2261965
Chlorodibromomethane	U		0.000140	0.00100	1	04/07/2024 03:42	WG2261965
Chloroethane	U		0.000192	0.00500	1	04/07/2024 03:42	WG2261965

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloroform	U		0.000111	0.00500	1	04/07/2024 03:42	WG2261965
Chloromethane	U		0.000960	0.00250	1	04/07/2024 03:42	WG2261965
1,2-Dibromoethane	U		0.000126	0.00100	1	04/07/2024 03:42	WG2261965
1,1-Dichloroethane	U		0.000100	0.00100	1	04/07/2024 03:42	WG2261965
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/07/2024 03:42	WG2261965
1,1-Dichloroethene	U		0.000188	0.00100	1	04/07/2024 03:42	WG2261965
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/07/2024 03:42	WG2261965
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/07/2024 03:42	WG2261965
1,2-Dichloropropane	U		0.000149	0.00100	1	04/07/2024 03:42	WG2261965
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/07/2024 03:42	WG2261965
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/07/2024 03:42	WG2261965
Ethylbenzene	U		0.000137	0.00100	1	04/07/2024 03:42	WG2261965
Isopropylbenzene	U		0.000105	0.00100	1	04/07/2024 03:42	WG2261965
p-Isopropyltoluene	U		0.000120	0.00100	1	04/07/2024 03:42	WG2261965
2-Butanone (MEK)	U		0.00119	0.0100	1	04/07/2024 03:42	WG2261965
2-Hexanone	U		0.000787	0.0100	1	04/07/2024 03:42	WG2261965
Methylene Chloride	U		0.000430	0.00500	1	04/07/2024 03:42	WG2261965
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/07/2024 03:42	WG2261965
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/07/2024 03:42	WG2261965
Naphthalene	U		0.00100	0.00500	1	04/07/2024 03:42	WG2261965
n-Propylbenzene	U		0.0000993	0.00100	1	04/07/2024 03:42	WG2261965
Styrene	U		0.000118	0.00100	1	04/07/2024 03:42	WG2261965
tert-Butyl alcohol	U		0.00406	0.00500	1	04/07/2024 03:42	WG2261965
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/07/2024 03:42	WG2261965
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/07/2024 03:42	WG2261965
Tetrachloroethene	U		0.000300	0.00100	1	04/07/2024 03:42	WG2261965
Toluene	U		0.000278	0.00100	1	04/07/2024 03:42	WG2261965
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/07/2024 03:42	WG2261965
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/07/2024 03:42	WG2261965
Trichloroethene	U		0.000190	0.00100	1	04/07/2024 03:42	WG2261965
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/07/2024 03:42	WG2261965
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/07/2024 03:42	WG2261965
Vinyl chloride	U		0.000234	0.00100	1	04/07/2024 03:42	WG2261965
o-Xylene	U		0.000174	0.00100	1	04/07/2024 03:42	WG2261965
m&p-Xylene	U		0.000430	0.00200	1	04/07/2024 03:42	WG2261965
Xylenes, Total	U		0.000174	0.00300	1	04/07/2024 03:42	WG2261965
(S) Toluene-d8	*110*			*80.0-120*		*04/07/2024 03:42*	WG2261965
(S) 4-Bromofluorobenzene	*96.2*			*77.0-126*		*04/07/2024 03:42*	WG2261965
(S) 1,2-Dichloroethane-d4	*88.6*			*70.0-130*		*04/07/2024 03:42*	WG2261965

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0861	B J J3	0.0247	0.100	1	04/10/2024 22:05	WG2263376
(S) o-Terphenyl	*81.6*			*52.0-156*		*04/10/2024 22:05*	WG2263376

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	7920		200	1	04/09/2024 11:40	WG2261403

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	4120		37.9	100	100	04/05/2024 06:04	WG2260717
Fluoride	1.12	J	0.640	1.50	10	04/05/2024 00:38	WG2260717
Nitrate	0.864	B J	0.480	1.00	10	04/05/2024 00:38	WG2260717
Nitrite	1.85	B	0.420	1.00	10	04/05/2024 00:38	WG2260717
Sulfate	3090		59.4	500	100	04/05/2024 06:04	WG2260717

Sample Narrative:

L1722286-25 WG2260717: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00398		0.000180	0.00200	1	04/11/2024 18:23	WG2262493
Arsenic,Dissolved	0.00189	J	0.000900	0.0100	5	04/12/2024 00:32	WG2261159
Barium	0.0176		0.000381	0.00200	1	04/11/2024 18:23	WG2262493
Barium,Dissolved	0.0207		0.00190	0.0100	5	04/12/2024 00:32	WG2261159
Calcium	683		0.0936	1.00	1	04/11/2024 18:23	WG2262493
Chromium	U		0.00124	0.00200	1	04/11/2024 18:23	WG2262493
Chromium,Dissolved	U		0.00620	0.0100	5	04/12/2024 00:32	WG2261159
Iron	3.24		0.0281	0.100	1	04/11/2024 18:23	WG2262493
Iron,Dissolved	1.28		0.140	0.500	5	04/12/2024 00:32	WG2261159
Lead	U		0.000849	0.00200	1	04/11/2024 18:23	WG2262493
Lead,Dissolved	U		0.00424	0.0100	5	04/12/2024 00:32	WG2261159
Manganese	0.0762		0.000704	0.00500	1	04/11/2024 18:23	WG2262493
Manganese,Dissolved	0.141		0.00352	0.0250	5	04/12/2024 00:32	WG2261159
Potassium	27.3		0.108	2.00	1	04/11/2024 18:23	WG2262493
Selenium	U		0.000300	0.00200	1	04/11/2024 18:23	WG2262493
Selenium,Dissolved	U		0.00150	0.0100	5	04/12/2024 00:32	WG2261159
Sodium	2250		1.88	10.0	5	04/11/2024 19:48	WG2262493

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/10/2024 19:59	WG2263916
(S) a,a,a-Trifluorotoluene(FID)	*113*			*78.0-120*		*04/10/2024 19:59*	WG2263916

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/07/2024 04:02	WG2261965
Benzene	U		0.0000941	0.00100	1	04/07/2024 04:02	WG2261965
Bromodichloromethane	U		0.000136	0.00100	1	04/07/2024 04:02	WG2261965
Bromoform	U		0.000129	0.00100	1	04/07/2024 04:02	WG2261965
Bromomethane	U		0.000605	0.00500	1	04/07/2024 04:02	WG2261965
n-Butylbenzene	U		0.000157	0.00100	1	04/07/2024 04:02	WG2261965
sec-Butylbenzene	U		0.000125	0.00100	1	04/07/2024 04:02	WG2261965
Carbon disulfide	U		0.0000962	0.00100	1	04/07/2024 04:02	WG2261965
Carbon tetrachloride	U		0.000128	0.00100	1	04/07/2024 04:02	WG2261965

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	04/07/2024 04:02	WG2261965
Chlorodibromomethane	U		0.000140	0.00100	1	04/07/2024 04:02	WG2261965
Chloroethane	U		0.000192	0.00500	1	04/07/2024 04:02	WG2261965
Chloroform	U		0.000111	0.00500	1	04/07/2024 04:02	WG2261965
Chloromethane	U		0.000960	0.00250	1	04/07/2024 04:02	WG2261965
1,2-Dibromoethane	U		0.000126	0.00100	1	04/07/2024 04:02	WG2261965
1,1-Dichloroethane	U		0.000100	0.00100	1	04/07/2024 04:02	WG2261965
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/07/2024 04:02	WG2261965
1,1-Dichloroethene	U		0.000188	0.00100	1	04/07/2024 04:02	WG2261965
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/07/2024 04:02	WG2261965
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/07/2024 04:02	WG2261965
1,2-Dichloropropane	U		0.000149	0.00100	1	04/07/2024 04:02	WG2261965
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/07/2024 04:02	WG2261965
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/07/2024 04:02	WG2261965
Ethylbenzene	U		0.000137	0.00100	1	04/07/2024 04:02	WG2261965
Isopropylbenzene	U		0.000105	0.00100	1	04/07/2024 04:02	WG2261965
p-Isopropyltoluene	U		0.000120	0.00100	1	04/07/2024 04:02	WG2261965
2-Butanone (MEK)	U		0.00119	0.0100	1	04/07/2024 04:02	WG2261965
2-Hexanone	U		0.000787	0.0100	1	04/07/2024 04:02	WG2261965
Methylene Chloride	U		0.000430	0.00500	1	04/07/2024 04:02	WG2261965
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/07/2024 04:02	WG2261965
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/07/2024 04:02	WG2261965
Naphthalene	U		0.00100	0.00500	1	04/07/2024 04:02	WG2261965
n-Propylbenzene	U		0.0000993	0.00100	1	04/07/2024 04:02	WG2261965
Styrene	U		0.000118	0.00100	1	04/07/2024 04:02	WG2261965
tert-Butyl alcohol	U		0.00406	0.00500	1	04/07/2024 04:02	WG2261965
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/07/2024 04:02	WG2261965
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/07/2024 04:02	WG2261965
Tetrachloroethene	U		0.000300	0.00100	1	04/07/2024 04:02	WG2261965
Toluene	U		0.000278	0.00100	1	04/07/2024 04:02	WG2261965
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/07/2024 04:02	WG2261965
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/07/2024 04:02	WG2261965
Trichloroethene	U		0.000190	0.00100	1	04/07/2024 04:02	WG2261965
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/07/2024 04:02	WG2261965
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/07/2024 04:02	WG2261965
Vinyl chloride	U		0.000234	0.00100	1	04/07/2024 04:02	WG2261965
o-Xylene	U		0.000174	0.00100	1	04/07/2024 04:02	WG2261965
m&p-Xylene	U		0.000430	0.00200	1	04/07/2024 04:02	WG2261965
Xylenes, Total	U		0.000174	0.00300	1	04/07/2024 04:02	WG2261965
(S) Toluene-d8	*111*			*80.0-120*		*04/07/2024 04:02*	WG2261965
(S) 4-Bromofluorobenzene	*100*			*77.0-126*		*04/07/2024 04:02*	WG2261965
(S) 1,2-Dichloroethane-d4	*90.4*			*70.0-130*		*04/07/2024 04:02*	WG2261965

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0717	B J J3	0.0247	0.100	1	04/10/2024 22:25	WG2263376
(S) o-Terphenyl	*77.9*			*52.0-156*		*04/10/2024 22:25*	WG2263376

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	13700		400	1	04/09/2024 11:40	WG2261403

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	U		3.79	10.0	10	04/05/2024 04:12	WG2260722
Fluoride	1.05	J	0.640	1.50	10	04/05/2024 04:12	WG2260722
Nitrate	0.999	J	0.480	1.00	10	04/05/2024 04:12	WG2260722
Nitrite	U		0.420	1.00	10	04/05/2024 04:12	WG2260722
Sulfate	3130		59.4	500	100	04/05/2024 10:23	WG2260722

Sample Narrative:

L1722286-26 WG2260722: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.000413	J	0.000180	0.00200	1	04/11/2024 18:26	WG2262493
Arsenic,Dissolved	U		0.000900	0.0100	5	04/12/2024 00:35	WG2261159
Barium	0.0204		0.000381	0.00200	1	04/11/2024 18:26	WG2262493
Barium,Dissolved	0.0286		0.00190	0.0100	5	04/12/2024 00:35	WG2261159
Calcium	874		0.0936	1.00	1	04/11/2024 18:26	WG2262493
Chromium	0.00607		0.00124	0.00200	1	04/11/2024 18:26	WG2262493
Chromium,Dissolved	U		0.00620	0.0100	5	04/12/2024 00:35	WG2261159
Iron	1.32		0.0281	0.100	1	04/11/2024 18:26	WG2262493
Iron,Dissolved	0.219	J	0.140	0.500	5	04/12/2024 00:35	WG2261159
Lead	U		0.000849	0.00200	1	04/11/2024 18:26	WG2262493
Lead,Dissolved	U		0.00424	0.0100	5	04/12/2024 00:35	WG2261159
Manganese	0.0330		0.000704	0.00500	1	04/11/2024 18:26	WG2262493
Manganese,Dissolved	0.0714		0.00352	0.0250	5	04/12/2024 00:35	WG2261159
Potassium	16.4		0.108	2.00	1	04/11/2024 18:26	WG2262493
Selenium	U		0.000300	0.00200	1	04/11/2024 18:26	WG2262493
Selenium,Dissolved	U		0.00150	0.0100	5	04/12/2024 00:35	WG2261159
Sodium	3920		1.88	10.0	5	04/11/2024 19:51	WG2262493

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/10/2024 20:21	WG2263916
(S) a,a,a-Trifluorotoluene(FID)	*114*			*78.0-120*		*04/10/2024 20:21*	WG2263916

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/07/2024 04:22	WG2261965
Benzene	U		0.0000941	0.00100	1	04/07/2024 04:22	WG2261965
Bromodichloromethane	U		0.000136	0.00100	1	04/07/2024 04:22	WG2261965
Bromoform	U		0.000129	0.00100	1	04/07/2024 04:22	WG2261965
Bromomethane	U		0.000605	0.00500	1	04/07/2024 04:22	WG2261965
n-Butylbenzene	U		0.000157	0.00100	1	04/07/2024 04:22	WG2261965
sec-Butylbenzene	U		0.000125	0.00100	1	04/07/2024 04:22	WG2261965
Carbon disulfide	U		0.0000962	0.00100	1	04/07/2024 04:22	WG2261965
Carbon tetrachloride	U		0.000128	0.00100	1	04/07/2024 04:22	WG2261965

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	04/07/2024 04:22	WG2261965
Chlorodibromomethane	U		0.000140	0.00100	1	04/07/2024 04:22	WG2261965
Chloroethane	U		0.000192	0.00500	1	04/07/2024 04:22	WG2261965
Chloroform	U		0.000111	0.00500	1	04/07/2024 04:22	WG2261965
Chloromethane	U		0.000960	0.00250	1	04/07/2024 04:22	WG2261965
1,2-Dibromoethane	U		0.000126	0.00100	1	04/07/2024 04:22	WG2261965
1,1-Dichloroethane	U		0.000100	0.00100	1	04/07/2024 04:22	WG2261965
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/07/2024 04:22	WG2261965
1,1-Dichloroethene	U		0.000188	0.00100	1	04/07/2024 04:22	WG2261965
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/07/2024 04:22	WG2261965
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/07/2024 04:22	WG2261965
1,2-Dichloropropane	U		0.000149	0.00100	1	04/07/2024 04:22	WG2261965
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/07/2024 04:22	WG2261965
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/07/2024 04:22	WG2261965
Ethylbenzene	U		0.000137	0.00100	1	04/07/2024 04:22	WG2261965
Isopropylbenzene	U		0.000105	0.00100	1	04/07/2024 04:22	WG2261965
p-Isopropyltoluene	U		0.000120	0.00100	1	04/07/2024 04:22	WG2261965
2-Butanone (MEK)	U		0.00119	0.0100	1	04/07/2024 04:22	WG2261965
2-Hexanone	U		0.000787	0.0100	1	04/07/2024 04:22	WG2261965
Methylene Chloride	U		0.000430	0.00500	1	04/07/2024 04:22	WG2261965
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/07/2024 04:22	WG2261965
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/07/2024 04:22	WG2261965
Naphthalene	U		0.00100	0.00500	1	04/07/2024 04:22	WG2261965
n-Propylbenzene	U		0.0000993	0.00100	1	04/07/2024 04:22	WG2261965
Styrene	U		0.000118	0.00100	1	04/07/2024 04:22	WG2261965
tert-Butyl alcohol	U		0.00406	0.00500	1	04/07/2024 04:22	WG2261965
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/07/2024 04:22	WG2261965
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/07/2024 04:22	WG2261965
Tetrachloroethene	U		0.000300	0.00100	1	04/07/2024 04:22	WG2261965
Toluene	U		0.000278	0.00100	1	04/07/2024 04:22	WG2261965
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/07/2024 04:22	WG2261965
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/07/2024 04:22	WG2261965
Trichloroethene	U		0.000190	0.00100	1	04/07/2024 04:22	WG2261965
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/07/2024 04:22	WG2261965
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/07/2024 04:22	WG2261965
Vinyl chloride	U		0.000234	0.00100	1	04/07/2024 04:22	WG2261965
o-Xylene	U		0.000174	0.00100	1	04/07/2024 04:22	WG2261965
m&p-Xylene	U		0.000430	0.00200	1	04/07/2024 04:22	WG2261965
Xylenes, Total	U		0.000174	0.00300	1	04/07/2024 04:22	WG2261965
(S) Toluene-d8	*111*			*80.0-120*		*04/07/2024 04:22*	WG2261965
(S) 4-Bromofluorobenzene	*98.5*			*77.0-126*		*04/07/2024 04:22*	WG2261965
(S) 1,2-Dichloroethane-d4	*89.9*			*70.0-130*		*04/07/2024 04:22*	WG2261965

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0527	B J J3	0.0247	0.100	1	04/10/2024 22:46	WG2263376
(S) o-Terphenyl	*73.7*			*52.0-156*		*04/10/2024 22:46*	WG2263376

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	8840		200	1	04/09/2024 11:40	WG2261403

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	4610		37.9	100	100	04/05/2024 07:38	WG2260715
Fluoride	U		0.640	1.50	10	04/05/2024 04:24	WG2260715
Nitrate	U		0.480	1.00	10	04/05/2024 04:24	WG2260715
Nitrite	U		0.420	1.00	10	04/05/2024 04:24	WG2260715
Sulfate	3050		59.4	500	100	04/05/2024 07:38	WG2260715

Sample Narrative:

L1722286-27 WG2260715: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00767		0.000180	0.00200	1	04/11/2024 18:29	WG2262493
Arsenic,Dissolved	0.00641	J	0.000900	0.0100	5	04/12/2024 00:38	WG2261159
Barium	0.0221		0.000381	0.00200	1	04/11/2024 18:29	WG2262493
Barium,Dissolved	0.0207		0.00190	0.0100	5	04/12/2024 00:38	WG2261159
Calcium	749		0.0936	1.00	1	04/11/2024 18:29	WG2262493
Chromium	U		0.00124	0.00200	1	04/11/2024 18:29	WG2262493
Chromium,Dissolved	U		0.00620	0.0100	5	04/12/2024 00:38	WG2261159
Iron	3.91		0.0281	0.100	1	04/11/2024 18:29	WG2262493
Iron,Dissolved	1.57		0.140	0.500	5	04/12/2024 00:38	WG2261159
Lead	U		0.000849	0.00200	1	04/11/2024 18:29	WG2262493
Lead,Dissolved	U		0.00424	0.0100	5	04/12/2024 00:38	WG2261159
Manganese	0.155		0.000704	0.00500	1	04/11/2024 18:29	WG2262493
Manganese,Dissolved	0.195		0.00352	0.0250	5	04/12/2024 00:38	WG2261159
Potassium	33.6		0.108	2.00	1	04/11/2024 18:29	WG2262493
Selenium	U		0.000300	0.00200	1	04/11/2024 18:29	WG2262493
Selenium,Dissolved	U		0.00150	0.0100	5	04/12/2024 00:38	WG2261159
Sodium	2830		1.88	10.0	5	04/11/2024 19:54	WG2262493

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.412		0.0314	0.100	1	04/10/2024 20:44	WG2263916
(S) a,a,a-Trifluorotoluene(FID)	*114*			*78.0-120*		*04/10/2024 20:44*	WG2263916

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/07/2024 04:42	WG2261965
Benzene	U		0.0000941	0.00100	1	04/07/2024 04:42	WG2261965
Bromodichloromethane	U		0.000136	0.00100	1	04/07/2024 04:42	WG2261965
Bromoform	U		0.000129	0.00100	1	04/07/2024 04:42	WG2261965
Bromomethane	U		0.000605	0.00500	1	04/07/2024 04:42	WG2261965
n-Butylbenzene	U		0.000157	0.00100	1	04/07/2024 04:42	WG2261965
sec-Butylbenzene	U		0.000125	0.00100	1	04/07/2024 04:42	WG2261965
Carbon disulfide	U		0.0000962	0.00100	1	04/07/2024 04:42	WG2261965
Carbon tetrachloride	U		0.000128	0.00100	1	04/07/2024 04:42	WG2261965

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	04/07/2024 04:42	WG2261965
Chlorodibromomethane	U		0.000140	0.00100	1	04/07/2024 04:42	WG2261965
Chloroethane	U		0.000192	0.00500	1	04/07/2024 04:42	WG2261965
Chloroform	U		0.000111	0.00500	1	04/07/2024 04:42	WG2261965
Chloromethane	U		0.000960	0.00250	1	04/07/2024 04:42	WG2261965
1,2-Dibromoethane	U		0.000126	0.00100	1	04/07/2024 04:42	WG2261965
1,1-Dichloroethane	U		0.000100	0.00100	1	04/07/2024 04:42	WG2261965
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/07/2024 04:42	WG2261965
1,1-Dichloroethene	U		0.000188	0.00100	1	04/07/2024 04:42	WG2261965
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/07/2024 04:42	WG2261965
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/07/2024 04:42	WG2261965
1,2-Dichloropropane	U		0.000149	0.00100	1	04/07/2024 04:42	WG2261965
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/07/2024 04:42	WG2261965
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/07/2024 04:42	WG2261965
Ethylbenzene	U		0.000137	0.00100	1	04/07/2024 04:42	WG2261965
Isopropylbenzene	U		0.000105	0.00100	1	04/07/2024 04:42	WG2261965
p-Isopropyltoluene	U		0.000120	0.00100	1	04/07/2024 04:42	WG2261965
2-Butanone (MEK)	U		0.00119	0.0100	1	04/07/2024 04:42	WG2261965
2-Hexanone	U		0.000787	0.0100	1	04/07/2024 04:42	WG2261965
Methylene Chloride	U		0.000430	0.00500	1	04/07/2024 04:42	WG2261965
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/07/2024 04:42	WG2261965
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/07/2024 04:42	WG2261965
Naphthalene	U		0.00100	0.00500	1	04/07/2024 04:42	WG2261965
n-Propylbenzene	U		0.0000993	0.00100	1	04/07/2024 04:42	WG2261965
Styrene	U		0.000118	0.00100	1	04/07/2024 04:42	WG2261965
tert-Butyl alcohol	U		0.00406	0.00500	1	04/07/2024 04:42	WG2261965
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/07/2024 04:42	WG2261965
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/07/2024 04:42	WG2261965
Tetrachloroethene	U		0.000300	0.00100	1	04/07/2024 04:42	WG2261965
Toluene	U		0.000278	0.00100	1	04/07/2024 04:42	WG2261965
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/07/2024 04:42	WG2261965
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/07/2024 04:42	WG2261965
Trichloroethene	U		0.000190	0.00100	1	04/07/2024 04:42	WG2261965
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/07/2024 04:42	WG2261965
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/07/2024 04:42	WG2261965
Vinyl chloride	U		0.000234	0.00100	1	04/07/2024 04:42	WG2261965
o-Xylene	U		0.000174	0.00100	1	04/07/2024 04:42	WG2261965
m&p-Xylene	U		0.000430	0.00200	1	04/07/2024 04:42	WG2261965
Xylenes, Total	U		0.000174	0.00300	1	04/07/2024 04:42	WG2261965
(S) Toluene-d8	*109*			*80.0-120*		*04/07/2024 04:42*	WG2261965
(S) 4-Bromofluorobenzene	*94.2*			*77.0-126*		*04/07/2024 04:42*	WG2261965
(S) 1,2-Dichloroethane-d4	*89.9*			*70.0-130*		*04/07/2024 04:42*	WG2261965

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	4.36		0.0247	0.100	1	04/11/2024 10:53	WG2264118
(S) o-Terphenyl	*86.3*			*52.0-156*		*04/11/2024 10:53*	WG2264118

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	1600		50.0	1	04/09/2024 11:40	WG2261403

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Cyanide	U		0.00180	0.00500	1	04/11/2024 23:03	WG2264666

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	147		0.379	1.00	1	04/05/2024 00:52	WG2260717
Fluoride	2.09		0.0640	0.150	1	04/19/2024 08:58	WG2270014
Nitrate	1.83		0.0480	0.100	1	04/05/2024 00:52	WG2260717
Nitrite	0.0793	B J	0.0420	0.100	1	04/05/2024 00:52	WG2260717
Sulfate	677		5.94	50.0	10	04/05/2024 06:18	WG2260717

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.000100	0.000200	1	04/06/2024 22:02	WG2261017
Mercury,Dissolved	U		0.00100	0.00200	10	04/08/2024 19:33	WG2262313

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron	0.757		0.0200	0.200	1	04/10/2024 21:58	WG2262486
Boron,Dissolved	0.763		0.0200	0.200	1	04/08/2024 10:11	WG2261152

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.00317		0.000180	0.00200	1	04/11/2024 18:32	WG2262493
Arsenic,Dissolved	0.00414		0.000180	0.00200	1	04/12/2024 20:38	WG2261159
Barium	0.0102		0.000381	0.00200	1	04/11/2024 18:32	WG2262493
Barium,Dissolved	0.0125		0.000381	0.00200	1	04/12/2024 20:38	WG2261159
Cadmium	U		0.000150	0.00100	1	04/11/2024 18:32	WG2262493
Cadmium,Dissolved	U		0.000150	0.00100	1	04/12/2024 20:38	WG2261159
Calcium	128		0.0936	1.00	1	04/11/2024 18:32	WG2262493
Chromium	U		0.00124	0.00200	1	04/11/2024 18:32	WG2262493
Chromium,Dissolved	U		0.00124	0.00200	1	04/12/2024 20:38	WG2261159
Cobalt	0.000809	J	0.0000596	0.00200	1	04/11/2024 18:32	WG2262493
Cobalt,Dissolved	0.00103	J	0.0000596	0.00200	1	04/12/2024 20:38	WG2261159
Iron	U		0.0281	0.100	1	04/11/2024 18:32	WG2262493
Iron,Dissolved	U		0.0281	0.100	1	04/12/2024 20:38	WG2261159
Lead	U		0.000849	0.00200	1	04/11/2024 18:32	WG2262493
Lead,Dissolved	U		0.000849	0.00200	1	04/12/2024 20:38	WG2261159
Manganese	0.0530		0.000704	0.00500	1	04/11/2024 18:32	WG2262493
Manganese,Dissolved	0.0645		0.000704	0.00500	1	04/12/2024 20:38	WG2261159
Nickel	0.0220		0.000816	0.00200	1	04/11/2024 18:32	WG2262493
Nickel,Dissolved	0.0284		0.000816	0.00200	1	04/12/2024 20:38	WG2261159
Potassium	0.415	J	0.108	2.00	1	04/11/2024 18:32	WG2262493
Selenium	0.00132	J	0.000300	0.00200	1	04/11/2024 18:32	WG2262493
Selenium,Dissolved	0.00183	J	0.000300	0.00200	1	04/12/2024 20:38	WG2261159

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Sodium	269		0.376	2.00	1	04/11/2024 18:32	WG2262493
Uranium	0.00718		0.0000789	0.00100	1	04/11/2024 18:32	WG2262493
Uranium,Dissolved	0.00971	J4	0.0000789	0.00100	1	04/12/2024 20:38	WG2261159
Vanadium	0.0222		0.000664	0.00500	1	04/11/2024 18:32	WG2262493
Vanadium,Dissolved	0.0287		0.000664	0.00500	1	04/12/2024 20:38	WG2261159

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/10/2024 21:07	WG2263916
(S) a,a,a-Trifluorotoluene(FID)	*115*			*78.0-120*		*04/10/2024 21:07*	WG2263916

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/07/2024 05:02	WG2261965
Benzene	U		0.0000941	0.00100	1	04/07/2024 05:02	WG2261965
Bromodichloromethane	U		0.000136	0.00100	1	04/07/2024 05:02	WG2261965
Bromoform	U		0.000129	0.00100	1	04/07/2024 05:02	WG2261965
Bromomethane	U		0.000605	0.00500	1	04/07/2024 05:02	WG2261965
n-Butylbenzene	U		0.000157	0.00100	1	04/07/2024 05:02	WG2261965
sec-Butylbenzene	U		0.000125	0.00100	1	04/07/2024 05:02	WG2261965
Carbon disulfide	U		0.0000962	0.00100	1	04/07/2024 05:02	WG2261965
Carbon tetrachloride	U		0.000128	0.00100	1	04/07/2024 05:02	WG2261965
Chlorobenzene	U		0.000116	0.00100	1	04/07/2024 05:02	WG2261965
Chlorodibromomethane	U		0.000140	0.00100	1	04/07/2024 05:02	WG2261965
Chloroethane	U		0.000192	0.00500	1	04/07/2024 05:02	WG2261965
Chloroform	U		0.000111	0.00500	1	04/07/2024 05:02	WG2261965
Chloromethane	U		0.000960	0.00250	1	04/07/2024 05:02	WG2261965
1,2-Dibromoethane	U		0.000126	0.00100	1	04/07/2024 05:02	WG2261965
1,1-Dichloroethane	U		0.000100	0.00100	1	04/07/2024 05:02	WG2261965
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/07/2024 05:02	WG2261965
1,1-Dichloroethene	U		0.000188	0.00100	1	04/07/2024 05:02	WG2261965
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/07/2024 05:02	WG2261965
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/07/2024 05:02	WG2261965
1,2-Dichloropropane	U		0.000149	0.00100	1	04/07/2024 05:02	WG2261965
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/07/2024 05:02	WG2261965
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/07/2024 05:02	WG2261965
Ethylbenzene	U		0.000137	0.00100	1	04/07/2024 05:02	WG2261965
Isopropylbenzene	U		0.000105	0.00100	1	04/07/2024 05:02	WG2261965
p-Isopropyltoluene	U		0.000120	0.00100	1	04/07/2024 05:02	WG2261965
2-Butanone (MEK)	U		0.00119	0.0100	1	04/07/2024 05:02	WG2261965
2-Hexanone	U		0.000787	0.0100	1	04/07/2024 05:02	WG2261965
Methylene Chloride	U		0.000430	0.00500	1	04/07/2024 05:02	WG2261965
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/07/2024 05:02	WG2261965
Methyl tert-butyl ether	0.000374	J	0.000101	0.00100	1	04/07/2024 05:02	WG2261965
Naphthalene	U		0.00100	0.00500	1	04/07/2024 05:02	WG2261965
n-Propylbenzene	U		0.0000993	0.00100	1	04/07/2024 05:02	WG2261965
Styrene	U		0.000118	0.00100	1	04/07/2024 05:02	WG2261965
tert-Butyl alcohol	U		0.00406	0.00500	1	04/07/2024 05:02	WG2261965
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/07/2024 05:02	WG2261965
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/07/2024 05:02	WG2261965
Tetrachloroethene	U		0.000300	0.00100	1	04/07/2024 05:02	WG2261965
Toluene	U		0.000278	0.00100	1	04/07/2024 05:02	WG2261965
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/07/2024 05:02	WG2261965

MW-32
Collected date/time: 04/03/24 08:25
L1722286

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/07/2024 05:02	WG2261965
Trichloroethene	U		0.000190	0.00100	1	04/07/2024 05:02	WG2261965
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/07/2024 05:02	WG2261965
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/07/2024 05:02	WG2261965
Vinyl chloride	U		0.000234	0.00100	1	04/07/2024 05:02	WG2261965
o-Xylene	U		0.000174	0.00100	1	04/07/2024 05:02	WG2261965
m&p-Xylene	U		0.000430	0.00200	1	04/07/2024 05:02	WG2261965
Xylenes, Total	U		0.000174	0.00300	1	04/07/2024 05:02	WG2261965
(S) Toluene-d8	*110*			*80.0-120*		*04/07/2024 05:02*	WG2261965
(S) 4-Bromofluorobenzene	*97.8*			*77.0-126*		*04/07/2024 05:02*	WG2261965
(S) 1,2-Dichloroethane-d4	*89.1*			*70.0-130*		*04/07/2024 05:02*	WG2261965

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) High Fraction	0.638		0.0247	0.100	1	04/15/2024 10:27	WG2265501
(S) o-Terphenyl	*88.9*			*52.0-156*		*04/15/2024 10:27*	WG2265501

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1360		50.0	1	04/09/2024 11:40	WG2261403

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	188		0.379	1.00	1	04/05/2024 01:05	WG2260717
Fluoride	1.89		0.0640	0.150	1	04/19/2024 09:12	WG2270014
Nitrate	0.335	B	0.0480	0.100	1	04/05/2024 01:05	WG2260717
Nitrite	U		0.0420	0.100	1	04/05/2024 01:05	WG2260717
Sulfate	293		2.97	25.0	5	04/05/2024 06:31	WG2260717

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00302		0.000180	0.00200	1	04/11/2024 18:45	WG2262493
Arsenic,Dissolved	0.00432		0.000180	0.00200	1	04/12/2024 20:41	WG2261159
Barium	0.0731		0.000381	0.00200	1	04/11/2024 18:45	WG2262493
Barium,Dissolved	0.0855		0.000381	0.00200	1	04/12/2024 20:41	WG2261159
Calcium	57.4		0.0936	1.00	1	04/11/2024 18:45	WG2262493
Chromium	U		0.00124	0.00200	1	04/11/2024 18:45	WG2262493
Chromium,Dissolved	0.0128		0.00124	0.00200	1	04/12/2024 20:41	WG2261159
Iron	0.0371	J	0.0281	0.100	1	04/11/2024 18:45	WG2262493
Iron,Dissolved	0.0591	J	0.0281	0.100	1	04/12/2024 20:41	WG2261159
Lead	U		0.000849	0.00200	1	04/11/2024 18:45	WG2262493
Lead,Dissolved	U		0.000849	0.00200	1	04/12/2024 20:41	WG2261159
Manganese	0.0917		0.000704	0.00500	1	04/11/2024 18:45	WG2262493
Manganese,Dissolved	0.136		0.000704	0.00500	1	04/12/2024 20:41	WG2261159
Potassium	0.900	J	0.108	2.00	1	04/11/2024 18:45	WG2262493
Selenium	U		0.000300	0.00200	1	04/11/2024 18:45	WG2262493
Selenium,Dissolved	U		0.000300	0.00200	1	04/12/2024 20:41	WG2261159
Sodium	373		0.376	2.00	1	04/11/2024 18:45	WG2262493

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	5.81		0.314	1.00	10	04/10/2024 21:52	WG2263916
(S) a,a,a-Trifluorotoluene(FID)	*108*			*78.0-120*		*04/10/2024 21:52*	WG2263916

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.282	1.25	25	04/07/2024 08:23	WG2261965
Benzene	0.984		0.00235	0.0250	25	04/07/2024 08:23	WG2261965
Bromodichloromethane	U		0.00340	0.0250	25	04/07/2024 08:23	WG2261965
Bromoform	U		0.00322	0.0250	25	04/07/2024 08:23	WG2261965
Bromomethane	U		0.0151	0.125	25	04/07/2024 08:23	WG2261965
n-Butylbenzene	U		0.00393	0.0250	25	04/07/2024 08:23	WG2261965
sec-Butylbenzene	0.00610	J	0.00313	0.0250	25	04/07/2024 08:23	WG2261965
Carbon disulfide	U		0.00241	0.0250	25	04/07/2024 08:23	WG2261965
Carbon tetrachloride	U		0.00320	0.0250	25	04/07/2024 08:23	WG2261965
Chlorobenzene	U		0.00290	0.0250	25	04/07/2024 08:23	WG2261965
Chlorodibromomethane	U		0.00350	0.0250	25	04/07/2024 08:23	WG2261965
Chloroethane	U		0.00480	0.125	25	04/07/2024 08:23	WG2261965

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloroform	0.00625	J	0.00278	0.125	25	04/07/2024 08:23	WG2261965
Chloromethane	U		0.0240	0.0625	25	04/07/2024 08:23	WG2261965
1,2-Dibromoethane	U		0.00315	0.0250	25	04/07/2024 08:23	WG2261965
1,1-Dichloroethane	U		0.00250	0.0250	25	04/07/2024 08:23	WG2261965
1,2-Dichloroethane	U		0.00205	0.0250	25	04/07/2024 08:23	WG2261965
1,1-Dichloroethene	U		0.00470	0.0250	25	04/07/2024 08:23	WG2261965
cis-1,2-Dichloroethene	U		0.00315	0.0250	25	04/07/2024 08:23	WG2261965
trans-1,2-Dichloroethene	U		0.00373	0.0250	25	04/07/2024 08:23	WG2261965
1,2-Dichloropropane	U		0.00373	0.0250	25	04/07/2024 08:23	WG2261965
cis-1,3-Dichloropropene	U		0.00278	0.0250	25	04/07/2024 08:23	WG2261965
trans-1,3-Dichloropropene	U		0.00295	0.0250	25	04/07/2024 08:23	WG2261965
Ethylbenzene	0.00435	J	0.00343	0.0250	25	04/07/2024 08:23	WG2261965
Isopropylbenzene	0.0634		0.00263	0.0250	25	04/07/2024 08:23	WG2261965
p-Isopropyltoluene	U		0.00300	0.0250	25	04/07/2024 08:23	WG2261965
2-Butanone (MEK)	U		0.0298	0.250	25	04/07/2024 08:23	WG2261965
2-Hexanone	U		0.0197	0.250	25	04/07/2024 08:23	WG2261965
Methylene Chloride	U		0.0107	0.125	25	04/07/2024 08:23	WG2261965
4-Methyl-2-pentanone (MIBK)	U		0.0120	0.250	25	04/07/2024 08:23	WG2261965
Methyl tert-butyl ether	U		0.00253	0.0250	25	04/07/2024 08:23	WG2261965
Naphthalene	U		0.0250	0.125	25	04/07/2024 08:23	WG2261965
n-Propylbenzene	0.0510		0.00248	0.0250	25	04/07/2024 08:23	WG2261965
Styrene	U		0.00295	0.0250	25	04/07/2024 08:23	WG2261965
tert-Butyl alcohol	U		0.102	0.125	25	04/07/2024 08:23	WG2261965
1,1,1,2-Tetrachloroethane	U		0.00368	0.0250	25	04/07/2024 08:23	WG2261965
1,1,2,2-Tetrachloroethane	U		0.00333	0.0250	25	04/07/2024 08:23	WG2261965
Tetrachloroethene	U		0.00750	0.0250	25	04/07/2024 08:23	WG2261965
Toluene	0.0175	J	0.00695	0.0250	25	04/07/2024 08:23	WG2261965
1,1,1-Trichloroethane	U		0.00373	0.0250	25	04/07/2024 08:23	WG2261965
1,1,2-Trichloroethane	U		0.00395	0.0250	25	04/07/2024 08:23	WG2261965
Trichloroethene	U		0.00475	0.0250	25	04/07/2024 08:23	WG2261965
1,2,4-Trimethylbenzene	U		0.00805	0.0250	25	04/07/2024 08:23	WG2261965
1,3,5-Trimethylbenzene	U		0.00260	0.0250	25	04/07/2024 08:23	WG2261965
Vinyl chloride	U		0.00585	0.0250	25	04/07/2024 08:23	WG2261965
o-Xylene	U		0.00435	0.0250	25	04/07/2024 08:23	WG2261965
m&p-Xylene	U		0.0107	0.0500	25	04/07/2024 08:23	WG2261965
Xylenes, Total	U		0.00435	0.0750	25	04/07/2024 08:23	WG2261965
(S) Toluene-d8	*109*			*80.0-120*		*04/07/2024 08:23*	WG2261965
(S) 4-Bromofluorobenzene	*100*			*77.0-126*		*04/07/2024 08:23*	WG2261965
(S) 1,2-Dichloroethane-d4	*85.3*			*70.0-130*		*04/07/2024 08:23*	WG2261965

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1.52		0.0247	0.100	1	04/11/2024 11:34	WG2264118
(S) o-Terphenyl	*66.8*			*52.0-156*		*04/11/2024 11:34*	WG2264118

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	1260		25.0	1	04/09/2024 11:40	WG2261403

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	38.2		0.379	1.00	1	04/05/2024 19:11	WG2260720
Fluoride	1.19		0.0640	0.150	1	04/05/2024 19:11	WG2260720
Nitrate	3.37	Q	0.480	1.00	10	04/05/2024 11:33	WG2260720
Nitrite	U	Q	0.0420	0.100	1	04/05/2024 19:11	WG2260720
Sulfate	579		5.94	50.0	10	04/05/2024 11:33	WG2260720

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.0313		0.000180	0.00200	1	04/11/2024 18:48	WG2262493
Arsenic,Dissolved	0.0402		0.000180	0.00200	1	04/12/2024 20:45	WG2261159
Barium	0.0501		0.000381	0.00200	1	04/11/2024 18:48	WG2262493
Barium,Dissolved	0.0598		0.000381	0.00200	1	04/12/2024 20:45	WG2261159
Calcium	109		0.0936	1.00	1	04/11/2024 18:48	WG2262493
Chromium	U		0.00124	0.00200	1	04/11/2024 18:48	WG2262493
Chromium,Dissolved	U		0.00124	0.00200	1	04/12/2024 20:45	WG2261159
Iron	1.10		0.0281	0.100	1	04/11/2024 18:48	WG2262493
Iron,Dissolved	1.38		0.0281	0.100	1	04/12/2024 20:45	WG2261159
Lead	U		0.000849	0.00200	1	04/11/2024 18:48	WG2262493
Lead,Dissolved	U		0.000849	0.00200	1	04/12/2024 20:45	WG2261159
Manganese	2.27		0.000704	0.00500	1	04/11/2024 18:48	WG2262493
Manganese,Dissolved	2.76		0.000704	0.00500	1	04/12/2024 20:45	WG2261159
Potassium	0.268	J	0.108	2.00	1	04/11/2024 18:48	WG2262493
Selenium	U		0.000300	0.00200	1	04/11/2024 18:48	WG2262493
Selenium,Dissolved	U		0.000300	0.00200	1	04/12/2024 20:45	WG2261159
Sodium	214		0.376	2.00	1	04/11/2024 18:48	WG2262493

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	0.617		0.0314	0.100	1	04/10/2024 21:29	WG2263916
(S) a,a,a-Trifluorotoluene(FID)	*115*			*78.0-120*		*04/10/2024 21:29*	WG2263916

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		0.0113	0.0500	1	04/07/2024 05:22	WG2261965
Benzene	0.000907	J	0.0000941	0.00100	1	04/07/2024 05:22	WG2261965
Bromodichloromethane	U		0.000136	0.00100	1	04/07/2024 05:22	WG2261965
Bromoform	U		0.000129	0.00100	1	04/07/2024 05:22	WG2261965
Bromomethane	U		0.000605	0.00500	1	04/07/2024 05:22	WG2261965
n-Butylbenzene	0.000639	J	0.000157	0.00100	1	04/07/2024 05:22	WG2261965
sec-Butylbenzene	0.00155		0.000125	0.00100	1	04/07/2024 05:22	WG2261965
Carbon disulfide	U		0.0000962	0.00100	1	04/07/2024 05:22	WG2261965
Carbon tetrachloride	U		0.000128	0.00100	1	04/07/2024 05:22	WG2261965
Chlorobenzene	U		0.000116	0.00100	1	04/07/2024 05:22	WG2261965
Chlorodibromomethane	U		0.000140	0.00100	1	04/07/2024 05:22	WG2261965
Chloroethane	U		0.000192	0.00500	1	04/07/2024 05:22	WG2261965

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloroform	0.000328	J	0.000111	0.00500	1	04/07/2024 05:22	WG2261965
Chloromethane	U		0.000960	0.00250	1	04/07/2024 05:22	WG2261965
1,2-Dibromoethane	U		0.000126	0.00100	1	04/07/2024 05:22	WG2261965
1,1-Dichloroethane	U		0.000100	0.00100	1	04/07/2024 05:22	WG2261965
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/07/2024 05:22	WG2261965
1,1-Dichloroethene	U		0.000188	0.00100	1	04/07/2024 05:22	WG2261965
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/07/2024 05:22	WG2261965
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/07/2024 05:22	WG2261965
1,2-Dichloropropane	U		0.000149	0.00100	1	04/07/2024 05:22	WG2261965
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/07/2024 05:22	WG2261965
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/07/2024 05:22	WG2261965
Ethylbenzene	0.000271	J	0.000137	0.00100	1	04/07/2024 05:22	WG2261965
Isopropylbenzene	0.00255		0.000105	0.00100	1	04/07/2024 05:22	WG2261965
p-Isopropyltoluene	U		0.000120	0.00100	1	04/07/2024 05:22	WG2261965
2-Butanone (MEK)	0.0108		0.00119	0.0100	1	04/07/2024 05:22	WG2261965
2-Hexanone	U		0.000787	0.0100	1	04/07/2024 05:22	WG2261965
Methylene Chloride	U		0.000430	0.00500	1	04/07/2024 05:22	WG2261965
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/07/2024 05:22	WG2261965
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/07/2024 05:22	WG2261965
Naphthalene	U		0.00100	0.00500	1	04/07/2024 05:22	WG2261965
n-Propylbenzene	0.000440	J	0.0000993	0.00100	1	04/07/2024 05:22	WG2261965
Styrene	U		0.000118	0.00100	1	04/07/2024 05:22	WG2261965
tert-Butyl alcohol	0.00813		0.00406	0.00500	1	04/07/2024 05:22	WG2261965
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/07/2024 05:22	WG2261965
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/07/2024 05:22	WG2261965
Tetrachloroethene	U		0.000300	0.00100	1	04/07/2024 05:22	WG2261965
Toluene	U		0.000278	0.00100	1	04/07/2024 05:22	WG2261965
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/07/2024 05:22	WG2261965
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/07/2024 05:22	WG2261965
Trichloroethene	U		0.000190	0.00100	1	04/07/2024 05:22	WG2261965
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/07/2024 05:22	WG2261965
1,3,5-Trimethylbenzene	0.000107	J	0.000104	0.00100	1	04/07/2024 05:22	WG2261965
Vinyl chloride	U		0.000234	0.00100	1	04/07/2024 05:22	WG2261965
o-Xylene	U		0.000174	0.00100	1	04/07/2024 05:22	WG2261965
m&p-Xylene	0.000557	J	0.000430	0.00200	1	04/07/2024 05:22	WG2261965
Xylenes, Total	0.000557	J	0.000174	0.00300	1	04/07/2024 05:22	WG2261965
(S) Toluene-d8	*95.4*			*80.0-120*		*04/07/2024 05:22*	WG2261965
(S) 4-Bromofluorobenzene	*90.9*			*77.0-126*		*04/07/2024 05:22*	WG2261965
(S) 1,2-Dichloroethane-d4	*91.3*			*70.0-130*		*04/07/2024 05:22*	WG2261965

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.696		0.0247	0.100	1	04/11/2024 11:55	WG2264118
(S) o-Terphenyl	*94.7*			*52.0-156*		*04/11/2024 11:55*	WG2264118

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2760		50.0	1	04/09/2024 11:40	WG2261403

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	220		3.79	10.0	10	04/05/2024 19:24	WG2260726
Fluoride	1.79		0.640	1.50	10	04/05/2024 19:24	WG2260726
Nitrate	27.9	Q	0.480	1.00	10	04/05/2024 19:24	WG2260726
Nitrite	U	Q	0.420	1.00	10	04/05/2024 19:24	WG2260726
Sulfate	1560		5.94	50.0	10	04/05/2024 19:24	WG2260726

Sample Narrative:

L1722286-31 WG2260726: Dilution due to matrix.

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	04/06/2024 22:04	WG2261017
Mercury,Dissolved	U		0.000100	0.000200	1	04/08/2024 19:43	WG2262313

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.576		0.0200	0.200	1	04/10/2024 21:59	WG2262486
Boron,Dissolved	0.595		0.0200	0.200	1	04/08/2024 10:13	WG2261152

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00302		0.000180	0.00200	1	04/11/2024 18:52	WG2262493
Arsenic,Dissolved	0.00345		0.000180	0.00200	1	04/12/2024 20:48	WG2261159
Barium	0.0108		0.000381	0.00200	1	04/11/2024 18:52	WG2262493
Barium,Dissolved	0.0132		0.000381	0.00200	1	04/12/2024 20:48	WG2261159
Cadmium	U		0.000150	0.00100	1	04/11/2024 18:52	WG2262493
Cadmium,Dissolved	U		0.000150	0.00100	1	04/12/2024 20:48	WG2261159
Calcium	424		0.0936	1.00	1	04/11/2024 18:52	WG2262493
Chromium	U		0.00124	0.00200	1	04/11/2024 18:52	WG2262493
Chromium,Dissolved	0.00134	J	0.00124	0.00200	1	04/12/2024 20:48	WG2261159
Cobalt	0.000239	J	0.0000596	0.00200	1	04/11/2024 18:52	WG2262493
Cobalt,Dissolved	0.000256	J	0.0000596	0.00200	1	04/12/2024 20:48	WG2261159
Iron	U		0.0281	0.100	1	04/11/2024 18:52	WG2262493
Iron,Dissolved	U		0.0281	0.100	1	04/12/2024 20:48	WG2261159
Lead	U		0.000849	0.00200	1	04/11/2024 18:52	WG2262493
Lead,Dissolved	U		0.000849	0.00200	1	04/12/2024 20:48	WG2261159
Manganese	0.0381		0.000704	0.00500	1	04/11/2024 18:52	WG2262493
Manganese,Dissolved	0.0220		0.000704	0.00500	1	04/12/2024 20:48	WG2261159
Nickel	0.00174	J	0.000816	0.00200	1	04/11/2024 18:52	WG2262493
Nickel,Dissolved	0.00189	J	0.000816	0.00200	1	04/12/2024 20:48	WG2261159
Potassium	24.6		0.108	2.00	1	04/11/2024 18:52	WG2262493
Selenium	0.00574		0.000300	0.00200	1	04/11/2024 18:52	WG2262493
Selenium,Dissolved	0.00826		0.000300	0.00200	1	04/12/2024 20:48	WG2261159
Sodium	188		0.376	2.00	1	04/11/2024 18:52	WG2262493
Uranium	0.0301		0.0000789	0.00100	1	04/11/2024 18:52	WG2262493
Uranium,Dissolved	0.0403	J4	0.0000789	0.00100	1	04/12/2024 20:48	WG2261159

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Vanadium	0.0131		0.000664	0.00500	1	04/11/2024 18:52	WG2262493
Vanadium,Dissolved	0.0160		0.000664	0.00500	1	04/12/2024 20:48	WG2261159

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2540		50.0	1	04/07/2024 14:18	WG2261405

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	207		3.79	10.0	10	04/05/2024 19:54	WG2260726
Fluoride	1.85		0.640	1.50	10	04/05/2024 19:54	WG2260726
Nitrate	17.4	Q	0.480	1.00	10	04/05/2024 19:54	WG2260726
Nitrite	U	Q	0.420	1.00	10	04/05/2024 19:54	WG2260726
Sulfate	1470		5.94	50.0	10	04/05/2024 19:54	WG2260726

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	04/06/2024 22:06	WG2261017
Mercury,Dissolved	U		0.000100	0.000200	1	04/08/2024 19:45	WG2262313

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.208		0.0200	0.200	1	04/10/2024 22:01	WG2262486
Boron,Dissolved	0.206		0.0200	0.200	1	04/08/2024 10:15	WG2261152

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00179	J	0.000180	0.00200	1	04/11/2024 18:55	WG2262493
Arsenic,Dissolved	0.00230		0.000180	0.00200	1	04/12/2024 20:51	WG2261159
Barium	0.0103		0.000381	0.00200	1	04/11/2024 18:55	WG2262493
Barium,Dissolved	0.0112		0.000381	0.00200	1	04/12/2024 20:51	WG2261159
Cadmium	U		0.000150	0.00100	1	04/11/2024 18:55	WG2262493
Cadmium,Dissolved	U		0.000150	0.00100	1	04/12/2024 20:51	WG2261159
Calcium	486		0.0936	1.00	1	04/11/2024 18:55	WG2262493
Chromium	U		0.00124	0.00200	1	04/11/2024 18:55	WG2262493
Chromium,Dissolved	U		0.00124	0.00200	1	04/12/2024 20:51	WG2261159
Cobalt	0.000322	J	0.0000596	0.00200	1	04/11/2024 18:55	WG2262493
Cobalt,Dissolved	0.000387	J	0.0000596	0.00200	1	04/12/2024 20:51	WG2261159
Iron	U		0.0281	0.100	1	04/11/2024 18:55	WG2262493
Iron,Dissolved	U		0.0281	0.100	1	04/12/2024 20:51	WG2261159
Lead	U		0.000849	0.00200	1	04/11/2024 18:55	WG2262493
Lead,Dissolved	U		0.000849	0.00200	1	04/12/2024 20:51	WG2261159
Manganese	0.00810		0.000704	0.00500	1	04/11/2024 18:55	WG2262493
Manganese,Dissolved	0.00562		0.000704	0.00500	1	04/12/2024 20:51	WG2261159
Nickel	0.000863	J	0.000816	0.00200	1	04/11/2024 18:55	WG2262493
Nickel,Dissolved	U		0.000816	0.00200	1	04/12/2024 20:51	WG2261159
Potassium	1.19	J	0.108	2.00	1	04/11/2024 18:55	WG2262493
Selenium	0.00466		0.000300	0.00200	1	04/11/2024 18:55	WG2262493
Selenium,Dissolved	0.00500		0.000300	0.00200	1	04/12/2024 20:51	WG2261159
Sodium	54.8		0.376	2.00	1	04/11/2024 18:55	WG2262493
Uranium	0.0192		0.0000789	0.00100	1	04/11/2024 18:55	WG2262493
Uranium,Dissolved	0.0272	J4	0.0000789	0.00100	1	04/12/2024 20:51	WG2261159
Vanadium	0.0107		0.000664	0.00500	1	04/11/2024 18:55	WG2262493
Vanadium,Dissolved	0.0135		0.000664	0.00500	1	04/12/2024 20:51	WG2261159

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/07/2024 07:43	WG2261965
Benzene	U		0.0000941	0.00100	1	04/07/2024 07:43	WG2261965
Bromodichloromethane	U		0.000136	0.00100	1	04/07/2024 07:43	WG2261965
Bromoform	U		0.000129	0.00100	1	04/07/2024 07:43	WG2261965
Bromomethane	U		0.000605	0.00500	1	04/07/2024 07:43	WG2261965
n-Butylbenzene	U		0.000157	0.00100	1	04/07/2024 07:43	WG2261965
sec-Butylbenzene	U		0.000125	0.00100	1	04/07/2024 07:43	WG2261965
Carbon disulfide	U		0.0000962	0.00100	1	04/07/2024 07:43	WG2261965
Carbon tetrachloride	U		0.000128	0.00100	1	04/07/2024 07:43	WG2261965
Chlorobenzene	U		0.000116	0.00100	1	04/07/2024 07:43	WG2261965
Chlorodibromomethane	U		0.000140	0.00100	1	04/07/2024 07:43	WG2261965
Chloroethane	U		0.000192	0.00500	1	04/07/2024 07:43	WG2261965
Chloroform	U		0.000111	0.00500	1	04/07/2024 07:43	WG2261965
Chloromethane	U		0.000960	0.00250	1	04/07/2024 07:43	WG2261965
1,2-Dibromoethane	U		0.000126	0.00100	1	04/07/2024 07:43	WG2261965
1,1-Dichloroethane	U		0.000100	0.00100	1	04/07/2024 07:43	WG2261965
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/07/2024 07:43	WG2261965
1,1-Dichloroethene	U		0.000188	0.00100	1	04/07/2024 07:43	WG2261965
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/07/2024 07:43	WG2261965
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/07/2024 07:43	WG2261965
1,2-Dichloropropane	U		0.000149	0.00100	1	04/07/2024 07:43	WG2261965
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/07/2024 07:43	WG2261965
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/07/2024 07:43	WG2261965
Ethylbenzene	U		0.000137	0.00100	1	04/07/2024 07:43	WG2261965
Isopropylbenzene	U		0.000105	0.00100	1	04/07/2024 07:43	WG2261965
p-Isopropyltoluene	U		0.000120	0.00100	1	04/07/2024 07:43	WG2261965
2-Butanone (MEK)	U		0.00119	0.0100	1	04/07/2024 07:43	WG2261965
2-Hexanone	U		0.000787	0.0100	1	04/07/2024 07:43	WG2261965
Methylene Chloride	U		0.000430	0.00500	1	04/07/2024 07:43	WG2261965
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/07/2024 07:43	WG2261965
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/07/2024 07:43	WG2261965
Naphthalene	U		0.00100	0.00500	1	04/07/2024 07:43	WG2261965
n-Propylbenzene	U		0.0000993	0.00100	1	04/07/2024 07:43	WG2261965
Styrene	U		0.000118	0.00100	1	04/07/2024 07:43	WG2261965
tert-Butyl alcohol	U		0.00406	0.00500	1	04/07/2024 07:43	WG2261965
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/07/2024 07:43	WG2261965
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/07/2024 07:43	WG2261965
Tetrachloroethene	U		0.000300	0.00100	1	04/07/2024 07:43	WG2261965
Toluene	U		0.000278	0.00100	1	04/07/2024 07:43	WG2261965
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/07/2024 07:43	WG2261965
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/07/2024 07:43	WG2261965
Trichloroethene	U		0.000190	0.00100	1	04/07/2024 07:43	WG2261965
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/07/2024 07:43	WG2261965
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/07/2024 07:43	WG2261965
Vinyl chloride	U		0.000234	0.00100	1	04/07/2024 07:43	WG2261965
o-Xylene	U		0.000174	0.00100	1	04/07/2024 07:43	WG2261965
m&p-Xylene	U		0.000430	0.00200	1	04/07/2024 07:43	WG2261965
Xylenes, Total	U		0.000174	0.00300	1	04/07/2024 07:43	WG2261965
(S) Toluene-d8	*110*			*80.0-120*		*04/07/2024 07:43*	WG2261965
(S) 4-Bromofluorobenzene	*99.6*			*77.0-126*		*04/07/2024 07:43*	WG2261965
(S) 1,2-Dichloroethane-d4	*89.3*			*70.0-130*		*04/07/2024 07:43*	WG2261965

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1920	Q	50.0	1	04/12/2024 23:43	WG2265268

Sample Narrative:

L1722286-34 WG2265268: Reporting out of hold due to QC issue.

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	177		3.79	10.0	10	04/05/2024 10:40	WG2260722
Fluoride	0.486		0.0640	0.150	1	04/05/2024 04:29	WG2260722
Nitrate	U		0.0480	0.100	1	04/05/2024 04:29	WG2260722
Nitrite	U		0.0420	0.100	1	04/05/2024 04:29	WG2260722
Sulfate	733		5.94	50.0	10	04/05/2024 10:40	WG2260722

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.000279	J	0.000180	0.00200	1	04/11/2024 18:58	WG2262493
Arsenic,Dissolved	0.000342	J	0.000180	0.00200	1	04/12/2024 20:55	WG2261159
Barium	0.0689		0.000381	0.00200	1	04/11/2024 18:58	WG2262493
Barium,Dissolved	0.0845		0.000381	0.00200	1	04/12/2024 20:55	WG2261159
Calcium	244		0.0936	1.00	1	04/11/2024 18:58	WG2262493
Chromium	U		0.00124	0.00200	1	04/11/2024 18:58	WG2262493
Chromium,Dissolved	U		0.00124	0.00200	1	04/12/2024 20:55	WG2261159
Iron	0.178		0.0281	0.100	1	04/11/2024 18:58	WG2262493
Iron,Dissolved	0.212		0.0281	0.100	1	04/12/2024 20:55	WG2261159
Lead	U		0.000849	0.00200	1	04/11/2024 18:58	WG2262493
Lead,Dissolved	U		0.000849	0.00200	1	04/12/2024 20:55	WG2261159
Manganese	0.753		0.000704	0.00500	1	04/11/2024 18:58	WG2262493
Manganese,Dissolved	0.937		0.000704	0.00500	1	04/12/2024 20:55	WG2261159
Potassium	0.552	J	0.108	2.00	1	04/11/2024 18:58	WG2262493
Selenium	U		0.000300	0.00200	1	04/11/2024 18:58	WG2262493
Selenium,Dissolved	U		0.000300	0.00200	1	04/12/2024 20:55	WG2261159
Sodium	160		0.376	2.00	1	04/11/2024 18:58	WG2262493

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	2.58		0.628	2.00	20	04/10/2024 22:38	WG2263916
(S) a,a,a-Trifluorotoluene(FID)	*116*			*78.0-120*		*04/10/2024 22:38*	WG2263916

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0565	0.250	5	04/11/2024 04:38	WG2264198
Benzene	0.117		0.000471	0.00500	5	04/11/2024 04:38	WG2264198
Bromodichloromethane	U		0.000680	0.00500	5	04/11/2024 04:38	WG2264198
Bromoform	U		0.000645	0.00500	5	04/11/2024 04:38	WG2264198
Bromomethane	U		0.00303	0.0250	5	04/11/2024 04:38	WG2264198
n-Butylbenzene	U		0.000785	0.00500	5	04/11/2024 04:38	WG2264198
sec-Butylbenzene	0.00186	J	0.000625	0.00500	5	04/11/2024 04:38	WG2264198
Carbon disulfide	U		0.000481	0.00500	5	04/11/2024 04:38	WG2264198
Carbon tetrachloride	U		0.000640	0.00500	5	04/11/2024 04:38	WG2264198

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000580	0.00500	5	04/11/2024 04:38	WG2264198
Chlorodibromomethane	U		0.000700	0.00500	5	04/11/2024 04:38	WG2264198
Chloroethane	U		0.000960	0.0250	5	04/11/2024 04:38	WG2264198
Chloroform	U		0.000555	0.0250	5	04/11/2024 04:38	WG2264198
Chloromethane	U		0.00480	0.0125	5	04/11/2024 04:38	WG2264198
1,2-Dibromoethane	U		0.000630	0.00500	5	04/11/2024 04:38	WG2264198
1,1-Dichloroethane	U		0.000500	0.00500	5	04/11/2024 04:38	WG2264198
1,2-Dichloroethane	U		0.000409	0.00500	5	04/11/2024 04:38	WG2264198
1,1-Dichloroethene	U		0.000940	0.00500	5	04/11/2024 04:38	WG2264198
cis-1,2-Dichloroethene	U		0.000630	0.00500	5	04/11/2024 04:38	WG2264198
trans-1,2-Dichloroethene	U		0.000745	0.00500	5	04/11/2024 04:38	WG2264198
1,2-Dichloropropane	U		0.000745	0.00500	5	04/11/2024 04:38	WG2264198
cis-1,3-Dichloropropene	U		0.000555	0.00500	5	04/11/2024 04:38	WG2264198
trans-1,3-Dichloropropene	U		0.000590	0.00500	5	04/11/2024 04:38	WG2264198
Ethylbenzene	0.0128		0.000685	0.00500	5	04/11/2024 04:38	WG2264198
Isopropylbenzene	0.00407	J	0.000525	0.00500	5	04/11/2024 04:38	WG2264198
p-Isopropyltoluene	0.000898	J	0.000600	0.00500	5	04/11/2024 04:38	WG2264198
2-Butanone (MEK)	U		0.00595	0.0500	5	04/11/2024 04:38	WG2264198
2-Hexanone	U		0.00394	0.0500	5	04/11/2024 04:38	WG2264198
Methylene Chloride	U		0.00215	0.0250	5	04/11/2024 04:38	WG2264198
4-Methyl-2-pentanone (MIBK)	U		0.00239	0.0500	5	04/11/2024 04:38	WG2264198
Methyl tert-butyl ether	0.0172		0.000505	0.00500	5	04/11/2024 04:38	WG2264198
Naphthalene	0.00628	J	0.00500	0.0250	5	04/11/2024 04:38	WG2264198
n-Propylbenzene	0.00561		0.000497	0.00500	5	04/11/2024 04:38	WG2264198
Styrene	U		0.000590	0.00500	5	04/11/2024 04:38	WG2264198
tert-Butyl alcohol	U		0.0203	0.0250	5	04/11/2024 04:38	WG2264198
1,1,1,2-Tetrachloroethane	U		0.000735	0.00500	5	04/11/2024 04:38	WG2264198
1,1,2,2-Tetrachloroethane	U		0.000665	0.00500	5	04/11/2024 04:38	WG2264198
Tetrachloroethene	U		0.00150	0.00500	5	04/11/2024 04:38	WG2264198
Toluene	0.00197	J	0.00139	0.00500	5	04/11/2024 04:38	WG2264198
1,1,1-Trichloroethane	U		0.000745	0.00500	5	04/11/2024 04:38	WG2264198
1,1,2-Trichloroethane	U		0.000790	0.00500	5	04/11/2024 04:38	WG2264198
Trichloroethene	U		0.000950	0.00500	5	04/11/2024 04:38	WG2264198
1,2,4-Trimethylbenzene	0.0447		0.00161	0.00500	5	04/11/2024 04:38	WG2264198
1,3,5-Trimethylbenzene	0.000958	J	0.000520	0.00500	5	04/11/2024 04:38	WG2264198
Vinyl chloride	U		0.00117	0.00500	5	04/11/2024 04:38	WG2264198
o-Xylene	U		0.000870	0.00500	5	04/11/2024 04:38	WG2264198
m&p-Xylene	0.0690		0.00215	0.0100	5	04/11/2024 04:38	WG2264198
Xylenes, Total	0.0690		0.000870	0.0150	5	04/11/2024 04:38	WG2264198
(S) Toluene-d8	*102*			*80.0-120*		*04/11/2024 04:38*	WG2264198
(S) 4-Bromofluorobenzene	*93.8*			*77.0-126*		*04/11/2024 04:38*	WG2264198
(S) 1,2-Dichloroethane-d4	*94.4*			*70.0-130*		*04/11/2024 04:38*	WG2264198

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.281		0.0247	0.100	1	04/11/2024 12:15	WG2264118
(S) o-Terphenyl	*67.4*			*52.0-156*		*04/11/2024 12:15*	WG2264118

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2410	J3	50.0	1	04/07/2024 14:18	WG2261405

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	301		3.79	10.0	10	04/05/2024 04:46	WG2260722
Fluoride	2.01		0.640	1.50	10	04/05/2024 04:46	WG2260722
Nitrate	0.857	J	0.480	1.00	10	04/05/2024 04:46	WG2260722
Nitrite	U		0.420	1.00	10	04/05/2024 04:46	WG2260722
Sulfate	2460		59.4	500	100	04/05/2024 10:57	WG2260722

Sample Narrative:

L1722286-35 WG2260722: Dilution due to matrix.

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	04/06/2024 22:09	WG2261017
Mercury,Dissolved	U		0.000100	0.000200	1	04/08/2024 19:48	WG2262313

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.718		0.0200	0.200	1	04/10/2024 22:03	WG2262486
Boron,Dissolved	0.719		0.0200	0.200	1	04/08/2024 10:16	WG2261152

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00798		0.000180	0.00200	1	04/11/2024 19:01	WG2262493
Arsenic,Dissolved	0.00399		0.000180	0.00200	1	04/12/2024 19:02	WG2261159
Barium	0.00877		0.000381	0.00200	1	04/11/2024 19:01	WG2262493
Barium,Dissolved	0.0106		0.000381	0.00200	1	04/12/2024 19:02	WG2261159
Cadmium	U		0.000150	0.00100	1	04/11/2024 19:01	WG2262493
Cadmium,Dissolved	U		0.000150	0.00100	1	04/12/2024 19:02	WG2261159
Calcium	443		0.0936	1.00	1	04/11/2024 19:01	WG2262493
Chromium	0.00136	J	0.00124	0.00200	1	04/11/2024 19:01	WG2262493
Chromium,Dissolved	0.00207		0.00124	0.00200	1	04/12/2024 19:02	WG2261159
Cobalt	0.000115	J	0.0000596	0.00200	1	04/11/2024 19:01	WG2262493
Cobalt,Dissolved	0.000149	J	0.0000596	0.00200	1	04/12/2024 19:02	WG2261159
Iron	0.401		0.0281	0.100	1	04/11/2024 19:01	WG2262493
Iron,Dissolved	U		0.0281	0.100	1	04/12/2024 19:02	WG2261159
Lead	U		0.000849	0.00200	1	04/11/2024 19:01	WG2262493
Lead,Dissolved	U		0.000849	0.00200	1	04/12/2024 19:02	WG2261159
Manganese	0.00976		0.000704	0.00500	1	04/11/2024 19:01	WG2262493
Manganese,Dissolved	0.0133		0.000704	0.00500	1	04/12/2024 19:02	WG2261159
Nickel	0.00224		0.000816	0.00200	1	04/11/2024 19:01	WG2262493
Nickel,Dissolved	0.00197	J	0.000816	0.00200	1	04/12/2024 19:02	WG2261159
Potassium	1.69	J	0.108	2.00	1	04/11/2024 19:01	WG2262493
Selenium	0.00424		0.000300	0.00200	1	04/11/2024 19:01	WG2262493
Selenium,Dissolved	0.00672		0.000300	0.00200	1	04/12/2024 19:02	WG2261159
Sodium	215		0.376	2.00	1	04/11/2024 19:01	WG2262493
Uranium	0.0372		0.0000789	0.00100	1	04/11/2024 19:01	WG2262493
Uranium,Dissolved	0.0481	J4	0.0000789	0.00100	1	04/12/2024 19:02	WG2261159

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Vanadium	0.0200		0.000664	0.00500	1	04/11/2024 19:01	WG2262493
Vanadium,Dissolved	0.0218		0.000664	0.00500	1	04/12/2024 19:02	WG2261159

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/11/2024 02:41	WG2264519
(S) a,a,a-Trifluorotoluene(FID)	*91.8*			*78.0-120*		*04/11/2024 02:41*	WG2264519

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/07/2024 05:42	WG2261965
Benzene	U		0.0000941	0.00100	1	04/07/2024 05:42	WG2261965
Bromodichloromethane	U		0.000136	0.00100	1	04/07/2024 05:42	WG2261965
Bromoform	U		0.000129	0.00100	1	04/07/2024 05:42	WG2261965
Bromomethane	U		0.000605	0.00500	1	04/07/2024 05:42	WG2261965
n-Butylbenzene	U		0.000157	0.00100	1	04/07/2024 05:42	WG2261965
sec-Butylbenzene	U		0.000125	0.00100	1	04/07/2024 05:42	WG2261965
Carbon disulfide	U		0.0000962	0.00100	1	04/07/2024 05:42	WG2261965
Carbon tetrachloride	U		0.000128	0.00100	1	04/07/2024 05:42	WG2261965
Chlorobenzene	U		0.000116	0.00100	1	04/07/2024 05:42	WG2261965
Chlorodibromomethane	U		0.000140	0.00100	1	04/07/2024 05:42	WG2261965
Chloroethane	U		0.000192	0.00500	1	04/07/2024 05:42	WG2261965
Chloroform	U		0.000111	0.00500	1	04/07/2024 05:42	WG2261965
Chloromethane	U		0.000960	0.00250	1	04/07/2024 05:42	WG2261965
1,2-Dibromoethane	U		0.000126	0.00100	1	04/07/2024 05:42	WG2261965
1,1-Dichloroethane	U		0.000100	0.00100	1	04/07/2024 05:42	WG2261965
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/07/2024 05:42	WG2261965
1,1-Dichloroethene	U		0.000188	0.00100	1	04/07/2024 05:42	WG2261965
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/07/2024 05:42	WG2261965
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/07/2024 05:42	WG2261965
1,2-Dichloropropane	U		0.000149	0.00100	1	04/07/2024 05:42	WG2261965
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/07/2024 05:42	WG2261965
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/07/2024 05:42	WG2261965
Ethylbenzene	U		0.000137	0.00100	1	04/07/2024 05:42	WG2261965
Isopropylbenzene	U		0.000105	0.00100	1	04/07/2024 05:42	WG2261965
p-Isopropyltoluene	U		0.000120	0.00100	1	04/07/2024 05:42	WG2261965
2-Butanone (MEK)	U		0.00119	0.0100	1	04/07/2024 05:42	WG2261965
2-Hexanone	U		0.000787	0.0100	1	04/07/2024 05:42	WG2261965
Methylene Chloride	U		0.000430	0.00500	1	04/07/2024 05:42	WG2261965
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/07/2024 05:42	WG2261965
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/07/2024 05:42	WG2261965
Naphthalene	U		0.00100	0.00500	1	04/07/2024 05:42	WG2261965
n-Propylbenzene	U		0.0000993	0.00100	1	04/07/2024 05:42	WG2261965
Styrene	U		0.000118	0.00100	1	04/07/2024 05:42	WG2261965
tert-Butyl alcohol	U		0.00406	0.00500	1	04/07/2024 05:42	WG2261965
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/07/2024 05:42	WG2261965
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/07/2024 05:42	WG2261965
Tetrachloroethene	U		0.000300	0.00100	1	04/07/2024 05:42	WG2261965
Toluene	U		0.000278	0.00100	1	04/07/2024 05:42	WG2261965
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/07/2024 05:42	WG2261965
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/07/2024 05:42	WG2261965
Trichloroethene	U		0.000190	0.00100	1	04/07/2024 05:42	WG2261965
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/07/2024 05:42	WG2261965

MW-134
Collected date/time: 04/03/24 11:25
L1722286

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/07/2024 05:42	WG2261965
Vinyl chloride	U		0.000234	0.00100	1	04/07/2024 05:42	WG2261965
o-Xylene	U		0.000174	0.00100	1	04/07/2024 05:42	WG2261965
m&p-Xylene	U		0.000430	0.00200	1	04/07/2024 05:42	WG2261965
Xylenes, Total	U		0.000174	0.00300	1	04/07/2024 05:42	WG2261965
(S) Toluene-d8	*112*			*80.0-120*		*04/07/2024 05:42*	WG2261965
(S) 4-Bromofluorobenzene	*99.4*			*77.0-126*		*04/07/2024 05:42*	WG2261965
(S) 1,2-Dichloroethane-d4	*87.3*			*70.0-130*		*04/07/2024 05:42*	WG2261965

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0522	J	0.0247	0.100	1	04/11/2024 12:36	WG2264118
(S) o-Terphenyl	*66.8*			*52.0-156*		*04/11/2024 12:36*	WG2264118

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2180	Q	50.0	1	04/12/2024 23:43	WG2265268

Sample Narrative:

L1722286-36 WG2265268: Reporting out of hold due to QC issue.

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	154		3.79	10.0	10	04/05/2024 05:02	WG2260722
Fluoride	1.49	J	0.640	1.50	10	04/05/2024 05:02	WG2260722
Nitrate	1.38		0.480	1.00	10	04/05/2024 05:02	WG2260722
Nitrite	U		0.420	1.00	10	04/05/2024 05:02	WG2260722
Sulfate	1190		59.4	500	100	04/05/2024 11:14	WG2260722

Sample Narrative:

L1722286-36 WG2260722: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Calcium	362		0.0936	1.00	1	04/11/2024 19:05	WG2262493
Potassium	2.11		0.108	2.00	1	04/11/2024 19:05	WG2262493
Sodium	103		0.376	2.00	1	04/11/2024 19:05	WG2262493

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/07/2024 06:02	WG2261965
Benzene	U		0.0000941	0.00100	1	04/07/2024 06:02	WG2261965
Bromodichloromethane	U		0.000136	0.00100	1	04/07/2024 06:02	WG2261965
Bromoform	U		0.000129	0.00100	1	04/07/2024 06:02	WG2261965
Bromomethane	U		0.000605	0.00500	1	04/07/2024 06:02	WG2261965
n-Butylbenzene	U		0.000157	0.00100	1	04/07/2024 06:02	WG2261965
sec-Butylbenzene	U		0.000125	0.00100	1	04/07/2024 06:02	WG2261965
Carbon disulfide	U		0.0000962	0.00100	1	04/07/2024 06:02	WG2261965
Carbon tetrachloride	U		0.000128	0.00100	1	04/07/2024 06:02	WG2261965
Chlorobenzene	U		0.000116	0.00100	1	04/07/2024 06:02	WG2261965
Chlorodibromomethane	U		0.000140	0.00100	1	04/07/2024 06:02	WG2261965
Chloroethane	U		0.000192	0.00500	1	04/07/2024 06:02	WG2261965
Chloroform	U		0.000111	0.00500	1	04/07/2024 06:02	WG2261965
Chloromethane	U		0.000960	0.00250	1	04/07/2024 06:02	WG2261965
1,2-Dibromoethane	U		0.000126	0.00100	1	04/07/2024 06:02	WG2261965
1,1-Dichloroethane	U		0.000100	0.00100	1	04/07/2024 06:02	WG2261965
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/07/2024 06:02	WG2261965
1,1-Dichloroethene	U		0.000188	0.00100	1	04/07/2024 06:02	WG2261965
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/07/2024 06:02	WG2261965
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/07/2024 06:02	WG2261965
1,2-Dichloropropane	U		0.000149	0.00100	1	04/07/2024 06:02	WG2261965
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/07/2024 06:02	WG2261965
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/07/2024 06:02	WG2261965
Ethylbenzene	U		0.000137	0.00100	1	04/07/2024 06:02	WG2261965
Isopropylbenzene	U		0.000105	0.00100	1	04/07/2024 06:02	WG2261965
p-Isopropyltoluene	U		0.000120	0.00100	1	04/07/2024 06:02	WG2261965
2-Butanone (MEK)	U		0.00119	0.0100	1	04/07/2024 06:02	WG2261965

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
2-Hexanone	U		0.000787	0.0100	1	04/07/2024 06:02	WG2261965
Methylene Chloride	U		0.000430	0.00500	1	04/07/2024 06:02	WG2261965
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/07/2024 06:02	WG2261965
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/07/2024 06:02	WG2261965
Naphthalene	U		0.00100	0.00500	1	04/07/2024 06:02	WG2261965
n-Propylbenzene	U		0.0000993	0.00100	1	04/07/2024 06:02	WG2261965
Styrene	U		0.000118	0.00100	1	04/07/2024 06:02	WG2261965
tert-Butyl alcohol	U		0.00406	0.00500	1	04/07/2024 06:02	WG2261965
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/07/2024 06:02	WG2261965
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/07/2024 06:02	WG2261965
Tetrachloroethene	U		0.000300	0.00100	1	04/07/2024 06:02	WG2261965
Toluene	U		0.000278	0.00100	1	04/07/2024 06:02	WG2261965
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/07/2024 06:02	WG2261965
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/07/2024 06:02	WG2261965
Trichloroethene	U		0.000190	0.00100	1	04/07/2024 06:02	WG2261965
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/07/2024 06:02	WG2261965
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/07/2024 06:02	WG2261965
Vinyl chloride	U		0.000234	0.00100	1	04/07/2024 06:02	WG2261965
o-Xylene	U		0.000174	0.00100	1	04/07/2024 06:02	WG2261965
m&p-Xylene	U		0.000430	0.00200	1	04/07/2024 06:02	WG2261965
Xylenes, Total	U		0.000174	0.00300	1	04/07/2024 06:02	WG2261965
(S) Toluene-d8	*111*			*80.0-120*		*04/07/2024 06:02*	WG2261965
(S) 4-Bromofluorobenzene	*98.6*			*77.0-126*		*04/07/2024 06:02*	WG2261965
(S) 1,2-Dichloroethane-d4	*86.3*			*70.0-130*		*04/07/2024 06:02*	WG2261965

EDB / DBCP by Method 8011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	U		0.00000600	0.0000224	1.12	04/11/2024 04:34	WG2262385

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C-mod

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	0.000130	B J	0.0000447	0.000400	1	04/06/2024 17:09	WG2261364
(S) Nitrobenzene-d5	*75.6*			*10.0-120*		*04/06/2024 17:09*	WG2261364

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1870		20.0	1	04/07/2024 14:18	WG2261405

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	193		0.379	1.00	1	04/05/2024 20:23	WG2260726
Fluoride	0.884		0.0640	0.150	1	04/05/2024 20:23	WG2260726
Nitrate	U	Q	0.0480	0.100	1	04/05/2024 20:23	WG2260726
Nitrite	U	Q	0.0420	0.100	1	04/05/2024 20:23	WG2260726
Sulfate	592		5.94	50.0	10	04/05/2024 20:38	WG2260726

Sample Narrative:

L1722286-37 WG2260726: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Calcium	185		0.0936	1.00	1	04/11/2024 19:08	WG2262493
Potassium	1.14	J	0.108	2.00	1	04/11/2024 19:08	WG2262493
Sodium	105		0.376	2.00	1	04/11/2024 19:08	WG2262493

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/07/2024 06:22	WG2261965
Benzene	U		0.0000941	0.00100	1	04/07/2024 06:22	WG2261965
Bromodichloromethane	U		0.000136	0.00100	1	04/07/2024 06:22	WG2261965
Bromoform	U		0.000129	0.00100	1	04/07/2024 06:22	WG2261965
Bromomethane	U		0.000605	0.00500	1	04/07/2024 06:22	WG2261965
n-Butylbenzene	U		0.000157	0.00100	1	04/07/2024 06:22	WG2261965
sec-Butylbenzene	U		0.000125	0.00100	1	04/07/2024 06:22	WG2261965
Carbon disulfide	U		0.0000962	0.00100	1	04/07/2024 06:22	WG2261965
Carbon tetrachloride	U		0.000128	0.00100	1	04/07/2024 06:22	WG2261965
Chlorobenzene	U		0.000116	0.00100	1	04/07/2024 06:22	WG2261965
Chlorodibromomethane	U		0.000140	0.00100	1	04/07/2024 06:22	WG2261965
Chloroethane	U		0.000192	0.00500	1	04/07/2024 06:22	WG2261965
Chloroform	U		0.000111	0.00500	1	04/07/2024 06:22	WG2261965
Chloromethane	U		0.000960	0.00250	1	04/07/2024 06:22	WG2261965
1,2-Dibromoethane	U		0.000126	0.00100	1	04/07/2024 06:22	WG2261965
1,1-Dichloroethane	U		0.000100	0.00100	1	04/07/2024 06:22	WG2261965
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/07/2024 06:22	WG2261965
1,1-Dichloroethene	U		0.000188	0.00100	1	04/07/2024 06:22	WG2261965
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/07/2024 06:22	WG2261965
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/07/2024 06:22	WG2261965
1,2-Dichloropropane	U		0.000149	0.00100	1	04/07/2024 06:22	WG2261965
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/07/2024 06:22	WG2261965
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/07/2024 06:22	WG2261965
Ethylbenzene	U		0.000137	0.00100	1	04/07/2024 06:22	WG2261965
Isopropylbenzene	U		0.000105	0.00100	1	04/07/2024 06:22	WG2261965
p-Isopropyltoluene	U		0.000120	0.00100	1	04/07/2024 06:22	WG2261965
2-Butanone (MEK)	U		0.00119	0.0100	1	04/07/2024 06:22	WG2261965
2-Hexanone	U		0.000787	0.0100	1	04/07/2024 06:22	WG2261965
Methylene Chloride	U		0.000430	0.00500	1	04/07/2024 06:22	WG2261965
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/07/2024 06:22	WG2261965

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RA-313
Collected date/time: 04/03/24 14:10
L1722286

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/07/2024 06:22	WG2261965
Naphthalene	U		0.00100	0.00500	1	04/07/2024 06:22	WG2261965
n-Propylbenzene	U		0.0000993	0.00100	1	04/07/2024 06:22	WG2261965
Styrene	U		0.000118	0.00100	1	04/07/2024 06:22	WG2261965
tert-Butyl alcohol	U		0.00406	0.00500	1	04/07/2024 06:22	WG2261965
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/07/2024 06:22	WG2261965
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/07/2024 06:22	WG2261965
Tetrachloroethene	U		0.000300	0.00100	1	04/07/2024 06:22	WG2261965
Toluene	U		0.000278	0.00100	1	04/07/2024 06:22	WG2261965
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/07/2024 06:22	WG2261965
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/07/2024 06:22	WG2261965
Trichloroethene	U		0.000190	0.00100	1	04/07/2024 06:22	WG2261965
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/07/2024 06:22	WG2261965
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/07/2024 06:22	WG2261965
Vinyl chloride	U		0.000234	0.00100	1	04/07/2024 06:22	WG2261965
o-Xylene	U		0.000174	0.00100	1	04/07/2024 06:22	WG2261965
m&p-Xylene	U		0.000430	0.00200	1	04/07/2024 06:22	WG2261965
Xylenes, Total	U		0.000174	0.00300	1	04/07/2024 06:22	WG2261965
(S) Toluene-d8	*112*			*80.0-120*		*04/07/2024 06:22*	WG2261965
(S) 4-Bromofluorobenzene	*95.6*			*77.0-126*		*04/07/2024 06:22*	WG2261965
(S) 1,2-Dichloroethane-d4	*88.5*			*70.0-130*		*04/07/2024 06:22*	WG2261965

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MW-20
Collected date/time: 04/03/24 11:05
L1722286

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	860		100	1	04/07/2024 14:18	WG2261405

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	934		37.9	100	100	04/05/2024 11:31	WG2260722
Fluoride	2.80		0.640	1.50	10	04/05/2024 05:19	WG2260722
Nitrate	9.45		0.480	1.00	10	04/05/2024 05:19	WG2260722
Nitrite	U		0.420	1.00	10	04/05/2024 05:19	WG2260722
Sulfate	2390		59.4	500	100	04/05/2024 11:31	WG2260722

Sample Narrative:

L1722286-38 WG2260722: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00429		0.000180	0.00200	1	04/11/2024 19:11	WG2262493
Arsenic,Dissolved	0.00542		0.000180	0.00200	1	04/12/2024 19:05	WG2261159
Barium	0.0100		0.000381	0.00200	1	04/11/2024 19:11	WG2262493
Barium,Dissolved	0.0140		0.000381	0.00200	1	04/12/2024 19:05	WG2261159
Calcium	568		0.0936	1.00	1	04/11/2024 19:11	WG2262493
Chromium	U		0.00124	0.00200	1	04/11/2024 19:11	WG2262493
Chromium,Dissolved	U		0.00124	0.00200	1	04/12/2024 19:05	WG2261159
Iron	U		0.0281	0.100	1	04/11/2024 19:11	WG2262493
Iron,Dissolved	U		0.0281	0.100	1	04/12/2024 19:05	WG2261159
Lead	U		0.000849	0.00200	1	04/11/2024 19:11	WG2262493
Lead,Dissolved	U		0.000849	0.00200	1	04/12/2024 19:05	WG2261159
Manganese	0.00170	J	0.000704	0.00500	1	04/11/2024 19:11	WG2262493
Manganese,Dissolved	U		0.000704	0.00500	1	04/12/2024 19:05	WG2261159
Potassium	0.565	J	0.108	2.00	1	04/11/2024 19:11	WG2262493
Selenium	0.0182		0.000300	0.00200	1	04/11/2024 19:11	WG2262493
Selenium,Dissolved	0.0201		0.000300	0.00200	1	04/12/2024 19:05	WG2261159
Sodium	264		0.376	2.00	1	04/11/2024 19:11	WG2262493

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/07/2024 06:42	WG2261965
Benzene	U		0.0000941	0.00100	1	04/07/2024 06:42	WG2261965
Bromodichloromethane	U		0.000136	0.00100	1	04/07/2024 06:42	WG2261965
Bromoform	U		0.000129	0.00100	1	04/07/2024 06:42	WG2261965
Bromomethane	U		0.000605	0.00500	1	04/07/2024 06:42	WG2261965
n-Butylbenzene	U		0.000157	0.00100	1	04/07/2024 06:42	WG2261965
sec-Butylbenzene	U		0.000125	0.00100	1	04/07/2024 06:42	WG2261965
Carbon disulfide	U		0.0000962	0.00100	1	04/07/2024 06:42	WG2261965
Carbon tetrachloride	U		0.000128	0.00100	1	04/07/2024 06:42	WG2261965
Chlorobenzene	U		0.000116	0.00100	1	04/07/2024 06:42	WG2261965
Chlorodibromomethane	U		0.000140	0.00100	1	04/07/2024 06:42	WG2261965
Chloroethane	U		0.000192	0.00500	1	04/07/2024 06:42	WG2261965
Chloroform	U		0.000111	0.00500	1	04/07/2024 06:42	WG2261965
Chloromethane	U		0.000960	0.00250	1	04/07/2024 06:42	WG2261965
1,2-Dibromoethane	U		0.000126	0.00100	1	04/07/2024 06:42	WG2261965
1,1-Dichloroethane	U		0.000100	0.00100	1	04/07/2024 06:42	WG2261965

MW-20
Collected date/time: 04/03/24 11:05
L1722286

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/07/2024 06:42	WG2261965
1,1-Dichloroethene	U		0.000188	0.00100	1	04/07/2024 06:42	WG2261965
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/07/2024 06:42	WG2261965
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/07/2024 06:42	WG2261965
1,2-Dichloropropane	U		0.000149	0.00100	1	04/07/2024 06:42	WG2261965
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/07/2024 06:42	WG2261965
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/07/2024 06:42	WG2261965
Ethylbenzene	U		0.000137	0.00100	1	04/07/2024 06:42	WG2261965
Isopropylbenzene	U		0.000105	0.00100	1	04/07/2024 06:42	WG2261965
p-Isopropyltoluene	U		0.000120	0.00100	1	04/07/2024 06:42	WG2261965
2-Butanone (MEK)	U		0.00119	0.0100	1	04/07/2024 06:42	WG2261965
2-Hexanone	U		0.000787	0.0100	1	04/07/2024 06:42	WG2261965
Methylene Chloride	U		0.000430	0.00500	1	04/07/2024 06:42	WG2261965
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/07/2024 06:42	WG2261965
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/07/2024 06:42	WG2261965
Naphthalene	U		0.00100	0.00500	1	04/07/2024 06:42	WG2261965
n-Propylbenzene	U		0.0000993	0.00100	1	04/07/2024 06:42	WG2261965
Styrene	U		0.000118	0.00100	1	04/07/2024 06:42	WG2261965
tert-Butyl alcohol	U		0.00406	0.00500	1	04/07/2024 06:42	WG2261965
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/07/2024 06:42	WG2261965
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/07/2024 06:42	WG2261965
Tetrachloroethene	U		0.000300	0.00100	1	04/07/2024 06:42	WG2261965
Toluene	U		0.000278	0.00100	1	04/07/2024 06:42	WG2261965
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/07/2024 06:42	WG2261965
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/07/2024 06:42	WG2261965
Trichloroethene	U		0.000190	0.00100	1	04/07/2024 06:42	WG2261965
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/07/2024 06:42	WG2261965
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/07/2024 06:42	WG2261965
Vinyl chloride	U		0.000234	0.00100	1	04/07/2024 06:42	WG2261965
o-Xylene	U		0.000174	0.00100	1	04/07/2024 06:42	WG2261965
m&p-Xylene	U		0.000430	0.00200	1	04/07/2024 06:42	WG2261965
Xylenes, Total	U		0.000174	0.00300	1	04/07/2024 06:42	WG2261965
(S) Toluene-d8	*110*			*80.0-120*		*04/07/2024 06:42*	WG2261965
(S) 4-Bromofluorobenzene	*90.1*			*77.0-126*		*04/07/2024 06:42*	WG2261965
(S) 1,2-Dichloroethane-d4	*89.8*			*70.0-130*		*04/07/2024 06:42*	WG2261965

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	04/11/2024 12:56	WG2264118
(S) o-Terphenyl	*77.4*			*52.0-156*		*04/11/2024 12:56*	WG2264118

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3870		50.0	1	04/07/2024 14:18	WG2261405

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	416		3.79	10.0	10	04/05/2024 19:26	WG2260720
Fluoride	1.74		0.640	1.50	10	04/05/2024 19:26	WG2260720
Nitrate	10.4	Q	0.480	1.00	10	04/05/2024 19:26	WG2260720
Nitrite	U	Q	0.420	1.00	10	04/05/2024 19:26	WG2260720
Sulfate	1690		5.94	50.0	10	04/05/2024 19:26	WG2260720

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Calcium	343		0.0936	1.00	1	04/11/2024 19:15	WG2262493
Potassium	1.67	J	0.108	2.00	1	04/11/2024 19:15	WG2262493
Sodium	244		0.376	2.00	1	04/11/2024 19:15	WG2262493

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.226	1.00	20	04/07/2024 05:26	WG2261980
Benzene	U		0.00188	0.0200	20	04/07/2024 05:26	WG2261980
Bromodichloromethane	U		0.00272	0.0200	20	04/07/2024 05:26	WG2261980
Bromoform	U		0.00258	0.0200	20	04/07/2024 05:26	WG2261980
Bromomethane	U		0.0121	0.100	20	04/07/2024 05:26	WG2261980
n-Butylbenzene	U		0.00314	0.0200	20	04/07/2024 05:26	WG2261980
sec-Butylbenzene	U		0.00250	0.0200	20	04/07/2024 05:26	WG2261980
Carbon disulfide	U		0.00192	0.0200	20	04/07/2024 05:26	WG2261980
Carbon tetrachloride	U		0.00256	0.0200	20	04/07/2024 05:26	WG2261980
Chlorobenzene	U		0.00232	0.0200	20	04/07/2024 05:26	WG2261980
Chlorodibromomethane	U		0.00280	0.0200	20	04/07/2024 05:26	WG2261980
Chloroethane	U		0.00384	0.100	20	04/07/2024 05:26	WG2261980
Chloroform	U		0.00222	0.100	20	04/07/2024 05:26	WG2261980
Chloromethane	U		0.0192	0.0500	20	04/07/2024 05:26	WG2261980
1,2-Dibromoethane	U		0.00252	0.0200	20	04/07/2024 05:26	WG2261980
1,1-Dichloroethane	U		0.00200	0.0200	20	04/07/2024 05:26	WG2261980
1,2-Dichloroethane	U	J4	0.00164	0.0200	20	04/07/2024 05:26	WG2261980
1,1-Dichloroethene	U		0.00376	0.0200	20	04/07/2024 05:26	WG2261980
cis-1,2-Dichloroethene	U		0.00252	0.0200	20	04/07/2024 05:26	WG2261980
trans-1,2-Dichloroethene	U		0.00298	0.0200	20	04/07/2024 05:26	WG2261980
1,2-Dichloropropane	U		0.00298	0.0200	20	04/07/2024 05:26	WG2261980
cis-1,3-Dichloropropene	U		0.00222	0.0200	20	04/07/2024 05:26	WG2261980
trans-1,3-Dichloropropene	U		0.00236	0.0200	20	04/07/2024 05:26	WG2261980
Ethylbenzene	U		0.00274	0.0200	20	04/07/2024 05:26	WG2261980
Isopropylbenzene	U		0.00210	0.0200	20	04/07/2024 05:26	WG2261980
p-Isopropyltoluene	U		0.00240	0.0200	20	04/07/2024 05:26	WG2261980
2-Butanone (MEK)	U		0.0238	0.200	20	04/07/2024 05:26	WG2261980
2-Hexanone	U		0.0157	0.200	20	04/07/2024 05:26	WG2261980
Methylene Chloride	U		0.00860	0.100	20	04/07/2024 05:26	WG2261980
4-Methyl-2-pentanone (MIBK)	U		0.00956	0.200	20	04/07/2024 05:26	WG2261980
Methyl tert-butyl ether	0.377		0.00202	0.0200	20	04/07/2024 05:26	WG2261980
Naphthalene	U		0.0200	0.100	20	04/07/2024 05:26	WG2261980
n-Propylbenzene	U		0.00199	0.0200	20	04/07/2024 05:26	WG2261980

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Styrene	U		0.00236	0.0200	20	04/07/2024 05:26	WG2261980
tert-Butyl alcohol	U		0.0812	0.100	20	04/07/2024 05:26	WG2261980
1,1,1,2-Tetrachloroethane	U		0.00294	0.0200	20	04/07/2024 05:26	WG2261980
1,1,2,2-Tetrachloroethane	U		0.00266	0.0200	20	04/07/2024 05:26	WG2261980
Tetrachloroethene	U		0.00600	0.0200	20	04/07/2024 05:26	WG2261980
Toluene	U		0.00556	0.0200	20	04/07/2024 05:26	WG2261980
1,1,1-Trichloroethane	U	J4	0.00298	0.0200	20	04/07/2024 05:26	WG2261980
1,1,2-Trichloroethane	U		0.00316	0.0200	20	04/07/2024 05:26	WG2261980
Trichloroethene	U		0.00380	0.0200	20	04/07/2024 05:26	WG2261980
1,2,4-Trimethylbenzene	U		0.00644	0.0200	20	04/07/2024 05:26	WG2261980
1,3,5-Trimethylbenzene	U		0.00208	0.0200	20	04/07/2024 05:26	WG2261980
Vinyl chloride	U		0.00468	0.0200	20	04/07/2024 05:26	WG2261980
o-Xylene	U		0.00348	0.0200	20	04/07/2024 05:26	WG2261980
m&p-Xylene	U		0.00860	0.0400	20	04/07/2024 05:26	WG2261980
Xylenes, Total	U		0.00348	0.0600	20	04/07/2024 05:26	WG2261980
(S) Toluene-d8	*101*			*80.0-120*		*04/07/2024 05:26*	WG2261980
(S) 4-Bromofluorobenzene	*92.3*			*77.0-126*		*04/07/2024 05:26*	WG2261980
(S) 1,2-Dichloroethane-d4	*129*			*70.0-130*		*04/07/2024 05:26*	WG2261980

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	ND		100	1	04/07/2024 14:18	WG2261405

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	675		3.79	10.0	10	04/05/2024 10:11	WG2260724
Fluoride	1.73		0.640	1.50	10	04/05/2024 10:11	WG2260724
Nitrate	9.57		0.480	1.00	10	04/05/2024 10:11	WG2260724
Nitrite	U		0.420	1.00	10	04/05/2024 10:11	WG2260724
Sulfate	2420		59.4	500	100	04/05/2024 12:19	WG2260724

Sample Narrative:

L1722286-40 WG2260724: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold Nitrate data

L1722286-40 WG2260724: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00738		0.000180	0.00200	1	04/11/2024 19:27	WG2262493
Arsenic,Dissolved	0.00662		0.000180	0.00200	1	04/11/2024 16:11	WG2261160
Barium	0.0113		0.000381	0.00200	1	04/11/2024 19:27	WG2262493
Barium,Dissolved	0.0129		0.000381	0.00200	1	04/11/2024 16:11	WG2261160
Calcium	464		0.0936	1.00	1	04/11/2024 19:27	WG2262493
Chromium	0.0262		0.00124	0.00200	1	04/11/2024 19:27	WG2262493
Chromium,Dissolved	U		0.00124	0.00200	1	04/11/2024 16:11	WG2261160
Iron	0.184		0.0281	0.100	1	04/11/2024 19:27	WG2262493
Iron,Dissolved	U		0.0281	0.100	1	04/11/2024 16:11	WG2261160
Lead	U		0.000849	0.00200	1	04/11/2024 19:27	WG2262493
Lead,Dissolved	U		0.000849	0.00200	1	04/11/2024 16:11	WG2261160
Manganese	0.430		0.000704	0.00500	1	04/11/2024 19:27	WG2262493
Manganese,Dissolved	0.445		0.000704	0.00500	1	04/11/2024 16:11	WG2261160
Potassium	1.80	J	0.108	2.00	1	04/11/2024 19:27	WG2262493
Selenium	0.0427		0.000300	0.00200	1	04/11/2024 19:27	WG2262493
Selenium,Dissolved	0.0456		0.000300	0.00200	1	04/11/2024 16:11	WG2261160
Sodium	390		0.376	2.00	1	04/11/2024 19:27	WG2262493

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.281		0.0314	0.100	1	04/11/2024 03:04	WG2264519
(S) a,a,a-Trifluorotoluene(FID)	*91.6*			*78.0-120*		*04/11/2024 03:04*	WG2264519

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/07/2024 01:49	WG2261980
Benzene	U		0.0000941	0.00100	1	04/07/2024 01:49	WG2261980
Bromodichloromethane	U		0.000136	0.00100	1	04/07/2024 01:49	WG2261980
Bromoform	U		0.000129	0.00100	1	04/07/2024 01:49	WG2261980
Bromomethane	U		0.000605	0.00500	1	04/07/2024 01:49	WG2261980
n-Butylbenzene	U		0.000157	0.00100	1	04/07/2024 01:49	WG2261980
sec-Butylbenzene	U		0.000125	0.00100	1	04/07/2024 01:49	WG2261980
Carbon disulfide	U		0.0000962	0.00100	1	04/07/2024 01:49	WG2261980

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Carbon tetrachloride	U		0.000128	0.00100	1	04/07/2024 01:49	WG2261980
Chlorobenzene	U		0.000116	0.00100	1	04/07/2024 01:49	WG2261980
Chlorodibromomethane	U		0.000140	0.00100	1	04/07/2024 01:49	WG2261980
Chloroethane	U		0.000192	0.00500	1	04/07/2024 01:49	WG2261980
Chloroform	U		0.000111	0.00500	1	04/07/2024 01:49	WG2261980
Chloromethane	U		0.000960	0.00250	1	04/07/2024 01:49	WG2261980
1,2-Dibromoethane	U		0.000126	0.00100	1	04/07/2024 01:49	WG2261980
1,1-Dichloroethane	U		0.000100	0.00100	1	04/07/2024 01:49	WG2261980
1,2-Dichloroethane	0.000115	J J4	0.0000819	0.00100	1	04/07/2024 01:49	WG2261980
1,1-Dichloroethene	U		0.000188	0.00100	1	04/07/2024 01:49	WG2261980
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/07/2024 01:49	WG2261980
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/07/2024 01:49	WG2261980
1,2-Dichloropropane	U		0.000149	0.00100	1	04/07/2024 01:49	WG2261980
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/07/2024 01:49	WG2261980
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/07/2024 01:49	WG2261980
Ethylbenzene	U		0.000137	0.00100	1	04/07/2024 01:49	WG2261980
Isopropylbenzene	U		0.000105	0.00100	1	04/07/2024 01:49	WG2261980
p-Isopropyltoluene	U		0.000120	0.00100	1	04/07/2024 01:49	WG2261980
2-Butanone (MEK)	U		0.00119	0.0100	1	04/07/2024 01:49	WG2261980
2-Hexanone	U		0.000787	0.0100	1	04/07/2024 01:49	WG2261980
Methylene Chloride	U		0.000430	0.00500	1	04/07/2024 01:49	WG2261980
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/07/2024 01:49	WG2261980
Methyl tert-butyl ether	0.222		0.00101	0.0100	10	04/09/2024 04:34	WG2262853
Naphthalene	U		0.00100	0.00500	1	04/07/2024 01:49	WG2261980
n-Propylbenzene	U		0.0000993	0.00100	1	04/07/2024 01:49	WG2261980
Styrene	U		0.000118	0.00100	1	04/07/2024 01:49	WG2261980
tert-Butyl alcohol	0.0161		0.00406	0.00500	1	04/07/2024 01:49	WG2261980
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/07/2024 01:49	WG2261980
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/07/2024 01:49	WG2261980
Tetrachloroethene	U		0.000300	0.00100	1	04/07/2024 01:49	WG2261980
Toluene	U		0.000278	0.00100	1	04/07/2024 01:49	WG2261980
1,1,1-Trichloroethane	U	J4	0.000149	0.00100	1	04/07/2024 01:49	WG2261980
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/07/2024 01:49	WG2261980
Trichloroethene	U		0.000190	0.00100	1	04/07/2024 01:49	WG2261980
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/07/2024 01:49	WG2261980
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/07/2024 01:49	WG2261980
Vinyl chloride	U		0.000234	0.00100	1	04/07/2024 01:49	WG2261980
o-Xylene	U		0.000174	0.00100	1	04/07/2024 01:49	WG2261980
m&p-Xylene	U		0.000430	0.00200	1	04/07/2024 01:49	WG2261980
Xylenes, Total	U		0.000174	0.00300	1	04/07/2024 01:49	WG2261980
(S) Toluene-d8	*98.1*			*80.0-120*		*04/07/2024 01:49*	WG2261980
(S) Toluene-d8	*95.4*			*80.0-120*		*04/09/2024 04:34*	WG2262853
(S) 4-Bromofluorobenzene	*91.4*			*77.0-126*		*04/07/2024 01:49*	WG2261980
(S) 4-Bromofluorobenzene	*87.9*			*77.0-126*		*04/09/2024 04:34*	WG2262853
(S) 1,2-Dichloroethane-d4	*127*			*70.0-130*		*04/07/2024 01:49*	WG2261980
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*04/09/2024 04:34*	WG2262853

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0513	J	0.0247	0.100	1	04/14/2024 18:04	WG2265501
(S) o-Terphenyl	*86.3*			*52.0-156*		*04/14/2024 18:04*	WG2265501

MW-21
Collected date/time: 04/03/24 13:10
L1722286

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2400		100	1	04/07/2024 14:18	WG2261405

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	675		3.79	10.0	10	04/05/2024 10:49	WG2260724
Fluoride	1.24	J	0.640	1.50	10	04/05/2024 10:49	WG2260724
Nitrate	10.9		0.480	1.00	10	04/05/2024 10:49	WG2260724
Nitrite	U		0.420	1.00	10	04/05/2024 10:49	WG2260724
Sulfate	2380		59.4	500	100	04/05/2024 12:32	WG2260724

Sample Narrative:

L1722286-41 WG2260724: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold Nitrate data

L1722286-41 WG2260724: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00531		0.000180	0.00200	1	04/11/2024 18:09	WG2262493
Arsenic,Dissolved	0.00547		0.000180	0.00200	1	04/11/2024 16:15	WG2261160
Barium	0.0104		0.000381	0.00200	1	04/11/2024 18:09	WG2262493
Barium,Dissolved	0.0114		0.000381	0.00200	1	04/11/2024 16:15	WG2261160
Calcium	523	V	0.0936	1.00	1	04/11/2024 18:09	WG2262493
Chromium	U		0.00124	0.00200	1	04/11/2024 18:09	WG2262493
Chromium,Dissolved	U		0.00124	0.00200	1	04/11/2024 16:15	WG2261160
Iron	U		0.0281	0.100	1	04/11/2024 18:09	WG2262493
Iron,Dissolved	U		0.0281	0.100	1	04/11/2024 16:15	WG2261160
Lead	U		0.000849	0.00200	1	04/11/2024 18:09	WG2262493
Lead,Dissolved	U		0.000849	0.00200	1	04/11/2024 16:15	WG2261160
Manganese	0.127		0.000704	0.00500	1	04/11/2024 18:09	WG2262493
Manganese,Dissolved	0.0614		0.000704	0.00500	1	04/11/2024 16:15	WG2261160
Potassium	2.07		0.108	2.00	1	04/11/2024 18:09	WG2262493
Selenium	0.0301		0.000300	0.00200	1	04/11/2024 18:09	WG2262493
Selenium,Dissolved	0.0297		0.000300	0.00200	1	04/11/2024 16:15	WG2261160
Sodium	421	V	0.376	2.00	1	04/11/2024 18:09	WG2262493

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.110		0.0314	0.100	1	04/11/2024 03:27	WG2264519
(S) a,a,a-Trifluorotoluene(FID)	*92.3*			*78.0-120*		*04/11/2024 03:27*	WG2264519

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/07/2024 02:10	WG2261980
Benzene	U		0.0000941	0.00100	1	04/07/2024 02:10	WG2261980
Bromodichloromethane	U		0.000136	0.00100	1	04/07/2024 02:10	WG2261980
Bromoform	U		0.000129	0.00100	1	04/07/2024 02:10	WG2261980
Bromomethane	U		0.000605	0.00500	1	04/07/2024 02:10	WG2261980
n-Butylbenzene	U		0.000157	0.00100	1	04/07/2024 02:10	WG2261980
sec-Butylbenzene	U		0.000125	0.00100	1	04/07/2024 02:10	WG2261980
Carbon disulfide	U		0.0000962	0.00100	1	04/07/2024 02:10	WG2261980

MW-21
Collected date/time: 04/03/24 13:10
L1722286

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Carbon tetrachloride	U		0.000128	0.00100	1	04/07/2024 02:10	WG2261980
Chlorobenzene	U		0.000116	0.00100	1	04/07/2024 02:10	WG2261980
Chlorodibromomethane	U		0.000140	0.00100	1	04/07/2024 02:10	WG2261980
Chloroethane	U		0.000192	0.00500	1	04/07/2024 02:10	WG2261980
Chloroform	U		0.000111	0.00500	1	04/07/2024 02:10	WG2261980
Chloromethane	U		0.000960	0.00250	1	04/07/2024 02:10	WG2261980
1,2-Dibromoethane	U		0.000126	0.00100	1	04/07/2024 02:10	WG2261980
1,1-Dichloroethane	U		0.000100	0.00100	1	04/07/2024 02:10	WG2261980
1,2-Dichloroethane	0.000146	J J4	0.0000819	0.00100	1	04/07/2024 02:10	WG2261980
1,1-Dichloroethene	U		0.000188	0.00100	1	04/07/2024 02:10	WG2261980
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/07/2024 02:10	WG2261980
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/07/2024 02:10	WG2261980
1,2-Dichloropropane	U		0.000149	0.00100	1	04/07/2024 02:10	WG2261980
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/07/2024 02:10	WG2261980
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/07/2024 02:10	WG2261980
Ethylbenzene	U		0.000137	0.00100	1	04/07/2024 02:10	WG2261980
Isopropylbenzene	U		0.000105	0.00100	1	04/07/2024 02:10	WG2261980
p-Isopropyltoluene	U		0.000120	0.00100	1	04/07/2024 02:10	WG2261980
2-Butanone (MEK)	U		0.00119	0.0100	1	04/07/2024 02:10	WG2261980
2-Hexanone	U		0.000787	0.0100	1	04/07/2024 02:10	WG2261980
Methylene Chloride	U		0.000430	0.00500	1	04/07/2024 02:10	WG2261980
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/07/2024 02:10	WG2261980
Methyl tert-butyl ether	0.0898		0.000101	0.00100	1	04/07/2024 02:10	WG2261980
Naphthalene	U		0.00100	0.00500	1	04/07/2024 02:10	WG2261980
n-Propylbenzene	U		0.0000993	0.00100	1	04/07/2024 02:10	WG2261980
Styrene	U		0.000118	0.00100	1	04/07/2024 02:10	WG2261980
tert-Butyl alcohol	U		0.00406	0.00500	1	04/07/2024 02:10	WG2261980
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/07/2024 02:10	WG2261980
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/07/2024 02:10	WG2261980
Tetrachloroethene	U		0.000300	0.00100	1	04/07/2024 02:10	WG2261980
Toluene	U		0.000278	0.00100	1	04/07/2024 02:10	WG2261980
1,1,1-Trichloroethane	U	J4	0.000149	0.00100	1	04/07/2024 02:10	WG2261980
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/07/2024 02:10	WG2261980
Trichloroethene	U		0.000190	0.00100	1	04/07/2024 02:10	WG2261980
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/07/2024 02:10	WG2261980
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/07/2024 02:10	WG2261980
Vinyl chloride	U		0.000234	0.00100	1	04/07/2024 02:10	WG2261980
o-Xylene	U		0.000174	0.00100	1	04/07/2024 02:10	WG2261980
m&p-Xylene	U		0.000430	0.00200	1	04/07/2024 02:10	WG2261980
Xylenes, Total	U		0.000174	0.00300	1	04/07/2024 02:10	WG2261980
(S) Toluene-d8	*102*			*80.0-120*		*04/07/2024 02:10*	WG2261980
(S) 4-Bromofluorobenzene	*92.1*			*77.0-126*		*04/07/2024 02:10*	WG2261980
(S) 1,2-Dichloroethane-d4	*133*	J1		*70.0-130*		*04/07/2024 02:10*	WG2261980

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.249		0.0247	0.100	1	04/12/2024 17:47	WG2264118
(S) o-Terphenyl	*87.4*			*52.0-156*		*04/12/2024 17:47*	WG2264118

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	1600		100	1	04/07/2024 14:18	WG2261405

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Cyanide	U		0.00360	0.0100	2	04/11/2024 23:05	WG2264666

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	695		3.79	10.0	10	04/05/2024 04:39	WG2260715
Fluoride	2.13		0.640	1.50	10	04/05/2024 04:39	WG2260715
Nitrate	30.8		0.480	1.00	10	04/05/2024 04:39	WG2260715
Nitrite	U		0.420	1.00	10	04/05/2024 04:39	WG2260715
Sulfate	2730		59.4	500	100	04/05/2024 08:23	WG2260715

Sample Narrative:

L1722286-42 WG2260715: Dilution due to matrix.

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.000100	0.000200	1	04/06/2024 22:16	WG2261017
Mercury,Dissolved	U		0.000100	0.000200	1	04/08/2024 19:50	WG2262313

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron	0.648		0.0200	0.200	1	04/10/2024 22:04	WG2262486
Boron,Dissolved	0.645		0.0200	0.200	1	04/08/2024 10:21	WG2261152

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.00333		0.000180	0.00200	1	04/11/2024 19:30	WG2262493
Arsenic,Dissolved	0.00354		0.000180	0.00200	1	04/11/2024 16:18	WG2261160
Barium	0.00719		0.000381	0.00200	1	04/11/2024 19:30	WG2262493
Barium,Dissolved	0.00845		0.000381	0.00200	1	04/11/2024 16:18	WG2261160
Cadmium	U		0.000150	0.00100	1	04/11/2024 19:30	WG2262493
Cadmium,Dissolved	U		0.000150	0.00100	1	04/11/2024 16:18	WG2261160
Calcium	506		0.0936	1.00	1	04/11/2024 19:30	WG2262493
Chromium	U		0.00124	0.00200	1	04/11/2024 19:30	WG2262493
Chromium,Dissolved	U		0.00124	0.00200	1	04/11/2024 16:18	WG2261160
Cobalt	0.0000891	J	0.0000596	0.00200	1	04/11/2024 19:30	WG2262493
Cobalt,Dissolved	0.000135	J	0.0000596	0.00200	1	04/11/2024 16:18	WG2261160
Iron	U		0.0281	0.100	1	04/11/2024 19:30	WG2262493
Iron,Dissolved	U		0.0281	0.100	1	04/11/2024 16:18	WG2261160
Lead	U		0.000849	0.00200	1	04/11/2024 19:30	WG2262493
Lead,Dissolved	U		0.000849	0.00200	1	04/11/2024 16:18	WG2261160
Manganese	U		0.000704	0.00500	1	04/11/2024 19:30	WG2262493
Manganese,Dissolved	U		0.000704	0.00500	1	04/11/2024 16:18	WG2261160
Nickel	0.000864	J	0.000816	0.00200	1	04/11/2024 19:30	WG2262493
Nickel,Dissolved	0.00149	J	0.000816	0.00200	1	04/11/2024 16:18	WG2261160

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Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Potassium	3.03		0.108	2.00	1	04/11/2024 19:30	WG2262493
Selenium	0.0217		0.000300	0.00200	1	04/11/2024 19:30	WG2262493
Selenium,Dissolved	0.0242		0.000300	0.00200	1	04/11/2024 16:18	WG2261160
Sodium	434		0.376	2.00	1	04/11/2024 19:30	WG2262493
Uranium	0.0551		0.0000789	0.00100	1	04/11/2024 19:30	WG2262493
Uranium,Dissolved	0.0666		0.0000789	0.00100	1	04/11/2024 16:18	WG2261160
Vanadium	0.0207		0.000664	0.00500	1	04/11/2024 19:30	WG2262493
Vanadium,Dissolved	0.0233		0.000664	0.00500	1	04/11/2024 16:18	WG2261160

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/07/2024 02:32	WG2261980
Benzene	U		0.0000941	0.00100	1	04/07/2024 02:32	WG2261980
Bromodichloromethane	U		0.000136	0.00100	1	04/07/2024 02:32	WG2261980
Bromoform	U		0.000129	0.00100	1	04/07/2024 02:32	WG2261980
Bromomethane	U		0.000605	0.00500	1	04/07/2024 02:32	WG2261980
n-Butylbenzene	U		0.000157	0.00100	1	04/07/2024 02:32	WG2261980
sec-Butylbenzene	U		0.000125	0.00100	1	04/07/2024 02:32	WG2261980
Carbon disulfide	U		0.0000962	0.00100	1	04/07/2024 02:32	WG2261980
Carbon tetrachloride	U		0.000128	0.00100	1	04/07/2024 02:32	WG2261980
Chlorobenzene	U		0.000116	0.00100	1	04/07/2024 02:32	WG2261980
Chlorodibromomethane	U		0.000140	0.00100	1	04/07/2024 02:32	WG2261980
Chloroethane	U		0.000192	0.00500	1	04/07/2024 02:32	WG2261980
Chloroform	U		0.000111	0.00500	1	04/07/2024 02:32	WG2261980
Chloromethane	U		0.000960	0.00250	1	04/07/2024 02:32	WG2261980
1,2-Dibromoethane	U		0.000126	0.00100	1	04/07/2024 02:32	WG2261980
1,1-Dichloroethane	U		0.000100	0.00100	1	04/07/2024 02:32	WG2261980
1,2-Dichloroethane	0.000150	J J4	0.0000819	0.00100	1	04/07/2024 02:32	WG2261980
1,1-Dichloroethene	U		0.000188	0.00100	1	04/07/2024 02:32	WG2261980
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/07/2024 02:32	WG2261980
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/07/2024 02:32	WG2261980
1,2-Dichloropropane	U		0.000149	0.00100	1	04/07/2024 02:32	WG2261980
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/07/2024 02:32	WG2261980
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/07/2024 02:32	WG2261980
Ethylbenzene	U		0.000137	0.00100	1	04/07/2024 02:32	WG2261980
Isopropylbenzene	U		0.000105	0.00100	1	04/07/2024 02:32	WG2261980
p-Isopropyltoluene	U		0.000120	0.00100	1	04/07/2024 02:32	WG2261980
2-Butanone (MEK)	U		0.00119	0.0100	1	04/07/2024 02:32	WG2261980
2-Hexanone	U		0.000787	0.0100	1	04/07/2024 02:32	WG2261980
Methylene Chloride	U		0.000430	0.00500	1	04/07/2024 02:32	WG2261980
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/07/2024 02:32	WG2261980
Methyl tert-butyl ether	0.000346	J	0.000101	0.00100	1	04/07/2024 02:32	WG2261980
Naphthalene	U		0.00100	0.00500	1	04/07/2024 02:32	WG2261980
n-Propylbenzene	U		0.0000993	0.00100	1	04/07/2024 02:32	WG2261980
Styrene	U		0.000118	0.00100	1	04/07/2024 02:32	WG2261980
tert-Butyl alcohol	U		0.00406	0.00500	1	04/07/2024 02:32	WG2261980
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/07/2024 02:32	WG2261980
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/07/2024 02:32	WG2261980
Tetrachloroethene	U		0.000300	0.00100	1	04/07/2024 02:32	WG2261980
Toluene	U		0.000278	0.00100	1	04/07/2024 02:32	WG2261980
1,1,1-Trichloroethane	U	J4	0.000149	0.00100	1	04/07/2024 02:32	WG2261980
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/07/2024 02:32	WG2261980
Trichloroethene	U		0.000190	0.00100	1	04/07/2024 02:32	WG2261980
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/07/2024 02:32	WG2261980
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/07/2024 02:32	WG2261980

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L1722286

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Vinyl chloride	U		0.000234	0.00100	1	04/07/2024 02:32	WG2261980
o-Xylene	U		0.000174	0.00100	1	04/07/2024 02:32	WG2261980
m&p-Xylene	U		0.000430	0.00200	1	04/07/2024 02:32	WG2261980
Xylenes, Total	U		0.000174	0.00300	1	04/07/2024 02:32	WG2261980
(S) Toluene-d8	*99.6*			*80.0-120*		*04/07/2024 02:32*	WG2261980
(S) 4-Bromofluorobenzene	*91.7*			*77.0-126*		*04/07/2024 02:32*	WG2261980
(S) 1,2-Dichloroethane-d4	*140*	J1		*70.0-130*		*04/07/2024 02:32*	WG2261980

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	04/14/2024 18:24	WG2265501
(S) o-Terphenyl	*75.8*			*52.0-156*		*04/14/2024 18:24*	WG2265501

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2210		50.0	1	04/07/2024 14:18	WG2261405

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	405		3.79	10.0	10	04/05/2024 01:19	WG2260717
Fluoride	0.211	B	0.0640	0.150	1	04/19/2024 09:53	WG2270014
Nitrate	4.54	B	0.480	1.00	10	04/05/2024 01:19	WG2260717
Nitrite	U		0.420	1.00	10	04/05/2024 01:19	WG2260717
Sulfate	1650		5.94	50.0	10	04/05/2024 01:19	WG2260717

Sample Narrative:

L1722286-43 WG2260717: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00259		0.000180	0.00200	1	04/11/2024 19:38	WG2262493
Arsenic,Dissolved	0.00275		0.000180	0.00200	1	04/11/2024 16:21	WG2261160
Barium	0.0116		0.000381	0.00200	1	04/11/2024 19:38	WG2262493
Barium,Dissolved	0.0145		0.000381	0.00200	1	04/11/2024 16:21	WG2261160
Calcium	342		0.0936	1.00	1	04/11/2024 19:38	WG2262493
Chromium	U		0.00124	0.00200	1	04/11/2024 19:38	WG2262493
Chromium,Dissolved	U		0.00124	0.00200	1	04/11/2024 16:21	WG2261160
Iron	U		0.0281	0.100	1	04/11/2024 19:38	WG2262493
Iron,Dissolved	U		0.0281	0.100	1	04/11/2024 16:21	WG2261160
Lead	U		0.000849	0.00200	1	04/11/2024 19:38	WG2262493
Lead,Dissolved	U		0.000849	0.00200	1	04/11/2024 16:21	WG2261160
Manganese	0.00208	J	0.000704	0.00500	1	04/11/2024 19:38	WG2262493
Manganese,Dissolved	U		0.000704	0.00500	1	04/11/2024 16:21	WG2261160
Potassium	4.65		0.108	2.00	1	04/11/2024 19:38	WG2262493
Selenium	0.0258		0.000300	0.00200	1	04/11/2024 19:38	WG2262493
Selenium,Dissolved	0.0305		0.000300	0.00200	1	04/11/2024 16:21	WG2261160
Sodium	213		0.376	2.00	1	04/11/2024 19:38	WG2262493

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/07/2024 02:54	WG2261980
Benzene	U		0.0000941	0.00100	1	04/07/2024 02:54	WG2261980
Bromodichloromethane	U		0.000136	0.00100	1	04/07/2024 02:54	WG2261980
Bromoform	U		0.000129	0.00100	1	04/07/2024 02:54	WG2261980
Bromomethane	U		0.000605	0.00500	1	04/07/2024 02:54	WG2261980
n-Butylbenzene	U		0.000157	0.00100	1	04/07/2024 02:54	WG2261980
sec-Butylbenzene	U		0.000125	0.00100	1	04/07/2024 02:54	WG2261980
Carbon disulfide	U		0.0000962	0.00100	1	04/07/2024 02:54	WG2261980
Carbon tetrachloride	U		0.000128	0.00100	1	04/07/2024 02:54	WG2261980
Chlorobenzene	U		0.000116	0.00100	1	04/07/2024 02:54	WG2261980
Chlorodibromomethane	U		0.000140	0.00100	1	04/07/2024 02:54	WG2261980
Chloroethane	U		0.000192	0.00500	1	04/07/2024 02:54	WG2261980
Chloroform	U		0.000111	0.00500	1	04/07/2024 02:54	WG2261980
Chloromethane	U		0.000960	0.00250	1	04/07/2024 02:54	WG2261980
1,2-Dibromoethane	U		0.000126	0.00100	1	04/07/2024 02:54	WG2261980
1,1-Dichloroethane	U		0.000100	0.00100	1	04/07/2024 02:54	WG2261980

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U	J4	0.0000819	0.00100	1	04/07/2024 02:54	WG2261980
1,1-Dichloroethene	U		0.000188	0.00100	1	04/07/2024 02:54	WG2261980
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/07/2024 02:54	WG2261980
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/07/2024 02:54	WG2261980
1,2-Dichloropropane	U		0.000149	0.00100	1	04/07/2024 02:54	WG2261980
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/07/2024 02:54	WG2261980
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/07/2024 02:54	WG2261980
Ethylbenzene	U		0.000137	0.00100	1	04/07/2024 02:54	WG2261980
Isopropylbenzene	U		0.000105	0.00100	1	04/07/2024 02:54	WG2261980
p-Isopropyltoluene	U		0.000120	0.00100	1	04/07/2024 02:54	WG2261980
2-Butanone (MEK)	U		0.00119	0.0100	1	04/07/2024 02:54	WG2261980
2-Hexanone	U		0.000787	0.0100	1	04/07/2024 02:54	WG2261980
Methylene Chloride	U		0.000430	0.00500	1	04/07/2024 02:54	WG2261980
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/07/2024 02:54	WG2261980
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/07/2024 02:54	WG2261980
Naphthalene	U		0.00100	0.00500	1	04/07/2024 02:54	WG2261980
n-Propylbenzene	U		0.0000993	0.00100	1	04/07/2024 02:54	WG2261980
Styrene	U		0.000118	0.00100	1	04/07/2024 02:54	WG2261980
tert-Butyl alcohol	U		0.00406	0.00500	1	04/07/2024 02:54	WG2261980
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/07/2024 02:54	WG2261980
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/07/2024 02:54	WG2261980
Tetrachloroethene	U		0.000300	0.00100	1	04/07/2024 02:54	WG2261980
Toluene	U		0.000278	0.00100	1	04/07/2024 02:54	WG2261980
1,1,1-Trichloroethane	U	J4	0.000149	0.00100	1	04/07/2024 02:54	WG2261980
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/07/2024 02:54	WG2261980
Trichloroethene	U		0.000190	0.00100	1	04/07/2024 02:54	WG2261980
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/07/2024 02:54	WG2261980
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/07/2024 02:54	WG2261980
Vinyl chloride	U		0.000234	0.00100	1	04/07/2024 02:54	WG2261980
o-Xylene	U		0.000174	0.00100	1	04/07/2024 02:54	WG2261980
m&p-Xylene	U		0.000430	0.00200	1	04/07/2024 02:54	WG2261980
Xylenes, Total	U		0.000174	0.00300	1	04/07/2024 02:54	WG2261980
(S) Toluene-d8	*101*			*80.0-120*		*04/07/2024 02:54*	WG2261980
(S) 4-Bromofluorobenzene	*87.6*			*77.0-126*		*04/07/2024 02:54*	WG2261980
(S) 1,2-Dichloroethane-d4	*136*	J1		*70.0-130*		*04/07/2024 02:54*	WG2261980

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	04/14/2024 18:45	WG2265501
(S) o-Terphenyl	*100*			*52.0-156*		*04/14/2024 18:45*	WG2265501

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	1690		50.0	1	04/07/2024 14:18	WG2261405

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	301		3.79	10.0	10	04/05/2024 20:53	WG2260726
Fluoride	1.61		0.640	1.50	10	04/05/2024 20:53	WG2260726
Nitrate	U	Q	0.480	1.00	10	04/05/2024 20:53	WG2260726
Nitrite	U	Q	0.420	1.00	10	04/05/2024 20:53	WG2260726
Sulfate	1880		5.94	50.0	10	04/05/2024 20:53	WG2260726

Sample Narrative:

L1722286-44 WG2260726: Dilution due to matrix.

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.000100	0.000200	1	04/06/2024 19:10	WG2261019
Mercury,Dissolved	U	J6 O1	0.000100	0.000200	1	04/08/2024 18:59	WG2262313

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron	0.721		0.0200	0.200	1	04/10/2024 22:06	WG2262486
Boron,Dissolved	0.723		0.0200	0.200	1	04/08/2024 10:23	WG2261152

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.00437		0.000180	0.00200	1	04/11/2024 19:41	WG2262493
Arsenic,Dissolved	0.00477		0.000180	0.00200	1	04/11/2024 16:32	WG2261160
Barium	0.0112		0.000381	0.00200	1	04/11/2024 19:41	WG2262493
Barium,Dissolved	0.00967		0.000381	0.00200	1	04/11/2024 16:32	WG2261160
Cadmium	U		0.000150	0.00100	1	04/11/2024 19:41	WG2262493
Cadmium,Dissolved	U		0.000150	0.00100	1	04/11/2024 16:32	WG2261160
Calcium	347		0.0936	1.00	1	04/11/2024 19:41	WG2262493
Chromium	U		0.00124	0.00200	1	04/11/2024 19:41	WG2262493
Chromium,Dissolved	U		0.00124	0.00200	1	04/11/2024 16:32	WG2261160
Cobalt	0.00133	J	0.0000596	0.00200	1	04/11/2024 19:41	WG2262493
Cobalt,Dissolved	0.000234	J	0.0000596	0.00200	1	04/11/2024 16:32	WG2261160
Iron	0.185		0.0281	0.100	1	04/11/2024 19:41	WG2262493
Iron,Dissolved	U		0.0281	0.100	1	04/11/2024 16:32	WG2261160
Lead	U		0.000849	0.00200	1	04/11/2024 19:41	WG2262493
Lead,Dissolved	U		0.000849	0.00200	1	04/11/2024 16:32	WG2261160
Manganese	0.133		0.000704	0.00500	1	04/11/2024 19:41	WG2262493
Manganese,Dissolved	0.0266		0.000704	0.00500	1	04/11/2024 16:32	WG2261160
Nickel	0.00661		0.000816	0.00200	1	04/11/2024 19:41	WG2262493
Nickel,Dissolved	0.00578		0.000816	0.00200	1	04/11/2024 16:32	WG2261160
Potassium	0.542	J	0.108	2.00	1	04/11/2024 19:41	WG2262493
Selenium	0.00206		0.000300	0.00200	1	04/11/2024 19:41	WG2262493
Selenium,Dissolved	0.00203		0.000300	0.00200	1	04/11/2024 16:32	WG2261160
Sodium	227		0.376	2.00	1	04/11/2024 19:41	WG2262493
Uranium	0.0370		0.0000789	0.00100	1	04/11/2024 19:41	WG2262493
Uranium,Dissolved	0.0420		0.0000789	0.00100	1	04/11/2024 16:32	WG2261160

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Vanadium	0.0221		0.000664	0.00500	1	04/11/2024 19:41	WG2262493
Vanadium,Dissolved	0.0248		0.000664	0.00500	1	04/11/2024 16:32	WG2261160

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0317	J	0.0314	0.100	1	04/11/2024 03:49	WG2264519
(S) a,a,a-Trifluorotoluene(FID)	*92.2*			*78.0-120*		*04/11/2024 03:49*	WG2264519

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/07/2024 03:16	WG2261980
Benzene	U		0.0000941	0.00100	1	04/07/2024 03:16	WG2261980
Bromodichloromethane	U		0.000136	0.00100	1	04/07/2024 03:16	WG2261980
Bromoform	U		0.000129	0.00100	1	04/07/2024 03:16	WG2261980
Bromomethane	U		0.000605	0.00500	1	04/07/2024 03:16	WG2261980
n-Butylbenzene	U		0.000157	0.00100	1	04/07/2024 03:16	WG2261980
sec-Butylbenzene	U		0.000125	0.00100	1	04/07/2024 03:16	WG2261980
Carbon disulfide	U		0.0000962	0.00100	1	04/07/2024 03:16	WG2261980
Carbon tetrachloride	U		0.000128	0.00100	1	04/07/2024 03:16	WG2261980
Chlorobenzene	U		0.000116	0.00100	1	04/07/2024 03:16	WG2261980
Chlorodibromomethane	U		0.000140	0.00100	1	04/07/2024 03:16	WG2261980
Chloroethane	U		0.000192	0.00500	1	04/07/2024 03:16	WG2261980
Chloroform	U		0.000111	0.00500	1	04/07/2024 03:16	WG2261980
Chloromethane	U		0.000960	0.00250	1	04/07/2024 03:16	WG2261980
1,2-Dibromoethane	U		0.000126	0.00100	1	04/07/2024 03:16	WG2261980
1,1-Dichloroethane	U		0.000100	0.00100	1	04/07/2024 03:16	WG2261980
1,2-Dichloroethane	U	J4	0.0000819	0.00100	1	04/07/2024 03:16	WG2261980
1,1-Dichloroethene	U		0.000188	0.00100	1	04/07/2024 03:16	WG2261980
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/07/2024 03:16	WG2261980
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/07/2024 03:16	WG2261980
1,2-Dichloropropane	U		0.000149	0.00100	1	04/07/2024 03:16	WG2261980
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/07/2024 03:16	WG2261980
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/07/2024 03:16	WG2261980
Ethylbenzene	U		0.000137	0.00100	1	04/07/2024 03:16	WG2261980
Isopropylbenzene	U		0.000105	0.00100	1	04/07/2024 03:16	WG2261980
p-Isopropyltoluene	U		0.000120	0.00100	1	04/07/2024 03:16	WG2261980
2-Butanone (MEK)	U		0.00119	0.0100	1	04/07/2024 03:16	WG2261980
2-Hexanone	U		0.000787	0.0100	1	04/07/2024 03:16	WG2261980
Methylene Chloride	U		0.000430	0.00500	1	04/07/2024 03:16	WG2261980
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/07/2024 03:16	WG2261980
Methyl tert-butyl ether	0.0193		0.000101	0.00100	1	04/07/2024 03:16	WG2261980
Naphthalene	U		0.00100	0.00500	1	04/07/2024 03:16	WG2261980
n-Propylbenzene	U		0.0000993	0.00100	1	04/07/2024 03:16	WG2261980
Styrene	U		0.000118	0.00100	1	04/07/2024 03:16	WG2261980
tert-Butyl alcohol	U		0.00406	0.00500	1	04/07/2024 03:16	WG2261980
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/07/2024 03:16	WG2261980
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/07/2024 03:16	WG2261980
Tetrachloroethene	U		0.000300	0.00100	1	04/07/2024 03:16	WG2261980
Toluene	U		0.000278	0.00100	1	04/07/2024 03:16	WG2261980
1,1,1-Trichloroethane	U	J4	0.000149	0.00100	1	04/07/2024 03:16	WG2261980
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/07/2024 03:16	WG2261980
Trichloroethene	U		0.000190	0.00100	1	04/07/2024 03:16	WG2261980
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/07/2024 03:16	WG2261980

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/07/2024 03:16	WG2261980
Vinyl chloride	U		0.000234	0.00100	1	04/07/2024 03:16	WG2261980
o-Xylene	U		0.000174	0.00100	1	04/07/2024 03:16	WG2261980
m&p-Xylene	U		0.000430	0.00200	1	04/07/2024 03:16	WG2261980
Xylenes, Total	U		0.000174	0.00300	1	04/07/2024 03:16	WG2261980
(S) Toluene-d8	*106*			*80.0-120*		*04/07/2024 03:16*	WG2261980
(S) 4-Bromofluorobenzene	*96.0*			*77.0-126*		*04/07/2024 03:16*	WG2261980
(S) 1,2-Dichloroethane-d4	*133*	J1		*70.0-130*		*04/07/2024 03:16*	WG2261980

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.578		0.0247	0.100	1	04/11/2024 14:18	WG2264118
(S) o-Terphenyl	*73.7*			*52.0-156*		*04/11/2024 14:18*	WG2264118

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2150	Q	50.0	1	04/12/2024 23:43	WG2265268

Sample Narrative:

L1722286-45 WG2265268: in hold data not confirmed by later run. Reran as conductivity and TDS did not match up .

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	83.2		0.379	1.00	1	04/05/2024 11:02	WG2260724
Fluoride	2.86		0.0640	0.150	1	04/05/2024 11:02	WG2260724
Nitrate	U		0.0480	0.100	1	04/05/2024 11:02	WG2260724
Nitrite	U		0.0420	0.100	1	04/05/2024 11:02	WG2260724
Sulfate	1270		11.9	100	20	04/05/2024 12:44	WG2260724

Sample Narrative:

L1722286-45 WG2260724: Dilution due to matrix.

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	04/06/2024 19:13	WG2261019
Mercury,Dissolved	U		0.000100	0.000200	1	04/08/2024 19:53	WG2262313

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.135	J	0.0200	0.200	1	04/10/2024 22:11	WG2262486
Boron,Dissolved	0.141	J	0.0200	0.200	1	04/08/2024 10:25	WG2261152

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00256		0.000180	0.00200	1	04/11/2024 19:44	WG2262493
Arsenic,Dissolved	0.00317		0.000180	0.00200	1	04/11/2024 16:36	WG2261160
Barium	0.0111		0.000381	0.00200	1	04/11/2024 19:44	WG2262493
Barium,Dissolved	0.0125		0.000381	0.00200	1	04/11/2024 16:36	WG2261160
Cadmium	U		0.000150	0.00100	1	04/11/2024 19:44	WG2262493
Cadmium,Dissolved	U		0.000150	0.00100	1	04/11/2024 16:36	WG2261160
Calcium	308		0.0936	1.00	1	04/11/2024 19:44	WG2262493
Chromium	U		0.00124	0.00200	1	04/11/2024 19:44	WG2262493
Chromium,Dissolved	U		0.00124	0.00200	1	04/11/2024 16:36	WG2261160
Cobalt	0.00146	J	0.0000596	0.00200	1	04/11/2024 19:44	WG2262493
Cobalt,Dissolved	0.00172	J	0.0000596	0.00200	1	04/11/2024 16:36	WG2261160
Iron	U		0.0281	0.100	1	04/11/2024 19:44	WG2262493
Iron,Dissolved	U		0.0281	0.100	1	04/11/2024 16:36	WG2261160
Lead	U		0.000849	0.00200	1	04/11/2024 19:44	WG2262493
Lead,Dissolved	U		0.000849	0.00200	1	04/11/2024 16:36	WG2261160
Manganese	0.280		0.000704	0.00500	1	04/11/2024 19:44	WG2262493
Manganese,Dissolved	0.336		0.000704	0.00500	1	04/11/2024 16:36	WG2261160
Nickel	0.00473		0.000816	0.00200	1	04/11/2024 19:44	WG2262493
Nickel,Dissolved	0.00421		0.000816	0.00200	1	04/11/2024 16:36	WG2261160
Potassium	1.86	J	0.108	2.00	1	04/11/2024 19:44	WG2262493
Selenium	0.000891	J	0.000300	0.00200	1	04/11/2024 19:44	WG2262493
Selenium,Dissolved	0.000916	J	0.000300	0.00200	1	04/11/2024 16:36	WG2261160

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Sodium	122		0.376	2.00	1	04/11/2024 19:44	WG2262493
Uranium	0.00251		0.0000789	0.00100	1	04/11/2024 19:44	WG2262493
Uranium,Dissolved	0.00301		0.0000789	0.00100	1	04/11/2024 16:36	WG2261160
Vanadium	0.00782		0.000664	0.00500	1	04/11/2024 19:44	WG2262493
Vanadium,Dissolved	0.00949		0.000664	0.00500	1	04/11/2024 16:36	WG2261160

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/11/2024 04:12	WG2264519
(S) a,a,a-Trifluorotoluene(FID)	*91.9*			*78.0-120*		*04/11/2024 04:12*	WG2264519

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/07/2024 03:37	WG2261980
Benzene	U		0.0000941	0.00100	1	04/07/2024 03:37	WG2261980
Bromodichloromethane	U		0.000136	0.00100	1	04/07/2024 03:37	WG2261980
Bromoform	U		0.000129	0.00100	1	04/07/2024 03:37	WG2261980
Bromomethane	U		0.000605	0.00500	1	04/07/2024 03:37	WG2261980
n-Butylbenzene	U		0.000157	0.00100	1	04/07/2024 03:37	WG2261980
sec-Butylbenzene	U		0.000125	0.00100	1	04/07/2024 03:37	WG2261980
Carbon disulfide	U		0.0000962	0.00100	1	04/07/2024 03:37	WG2261980
Carbon tetrachloride	U		0.000128	0.00100	1	04/07/2024 03:37	WG2261980
Chlorobenzene	U		0.000116	0.00100	1	04/07/2024 03:37	WG2261980
Chlorodibromomethane	U		0.000140	0.00100	1	04/07/2024 03:37	WG2261980
Chloroethane	U		0.000192	0.00500	1	04/07/2024 03:37	WG2261980
Chloroform	U		0.000111	0.00500	1	04/07/2024 03:37	WG2261980
Chloromethane	U		0.000960	0.00250	1	04/07/2024 03:37	WG2261980
1,2-Dibromoethane	U		0.000126	0.00100	1	04/07/2024 03:37	WG2261980
1,1-Dichloroethane	U		0.000100	0.00100	1	04/07/2024 03:37	WG2261980
1,2-Dichloroethane	U	J4	0.0000819	0.00100	1	04/07/2024 03:37	WG2261980
1,1-Dichloroethene	U		0.000188	0.00100	1	04/07/2024 03:37	WG2261980
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/07/2024 03:37	WG2261980
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/07/2024 03:37	WG2261980
1,2-Dichloropropane	U		0.000149	0.00100	1	04/07/2024 03:37	WG2261980
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/07/2024 03:37	WG2261980
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/07/2024 03:37	WG2261980
Ethylbenzene	U		0.000137	0.00100	1	04/07/2024 03:37	WG2261980
Isopropylbenzene	U		0.000105	0.00100	1	04/07/2024 03:37	WG2261980
p-Isopropyltoluene	U		0.000120	0.00100	1	04/07/2024 03:37	WG2261980
2-Butanone (MEK)	U		0.00119	0.0100	1	04/07/2024 03:37	WG2261980
2-Hexanone	U		0.000787	0.0100	1	04/07/2024 03:37	WG2261980
Methylene Chloride	U		0.000430	0.00500	1	04/07/2024 03:37	WG2261980
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/07/2024 03:37	WG2261980
Methyl tert-butyl ether	0.00279		0.000101	0.00100	1	04/07/2024 03:37	WG2261980
Naphthalene	U		0.00100	0.00500	1	04/07/2024 03:37	WG2261980
n-Propylbenzene	U		0.0000993	0.00100	1	04/07/2024 03:37	WG2261980
Styrene	U		0.000118	0.00100	1	04/07/2024 03:37	WG2261980
tert-Butyl alcohol	U		0.00406	0.00500	1	04/07/2024 03:37	WG2261980
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/07/2024 03:37	WG2261980
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/07/2024 03:37	WG2261980
Tetrachloroethene	U		0.000300	0.00100	1	04/07/2024 03:37	WG2261980
Toluene	U		0.000278	0.00100	1	04/07/2024 03:37	WG2261980
1,1,1-Trichloroethane	U	J4	0.000149	0.00100	1	04/07/2024 03:37	WG2261980

MW-114
Collected date/time: 04/03/24 13:10
L1722286

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/07/2024 03:37	WG2261980
Trichloroethene	U		0.000190	0.00100	1	04/07/2024 03:37	WG2261980
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/07/2024 03:37	WG2261980
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/07/2024 03:37	WG2261980
Vinyl chloride	U		0.000234	0.00100	1	04/07/2024 03:37	WG2261980
o-Xylene	U		0.000174	0.00100	1	04/07/2024 03:37	WG2261980
m&p-Xylene	U		0.000430	0.00200	1	04/07/2024 03:37	WG2261980
Xylenes, Total	U		0.000174	0.00300	1	04/07/2024 03:37	WG2261980
(S) Toluene-d8	*97.2*			*80.0-120*		*04/07/2024 03:37*	WG2261980
(S) 4-Bromofluorobenzene	*94.8*			*77.0-126*		*04/07/2024 03:37*	WG2261980
(S) 1,2-Dichloroethane-d4	*141*	J1		*70.0-130*		*04/07/2024 03:37*	WG2261980

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.208		0.0247	0.100	1	04/11/2024 14:38	WG2264118
(S) o-Terphenyl	*74.2*			*52.0-156*		*04/11/2024 14:38*	WG2264118

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2000		50.0	1	04/07/2024 14:18	WG2261405

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	225		3.79	10.0	10	04/05/2024 10:23	WG2260724
Fluoride	0.901	J	0.640	1.50	10	04/05/2024 10:23	WG2260724
Nitrate	U		0.480	1.00	10	04/05/2024 10:23	WG2260724
Nitrite	U		0.420	1.00	10	04/05/2024 10:23	WG2260724
Sulfate	2280		59.4	500	100	04/05/2024 12:57	WG2260724

Sample Narrative:

L1722286-46 WG2260724: Dilution due to matrix.

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	04/06/2024 19:15	WG2261019
Mercury,Dissolved	U		0.000100	0.000200	1	04/08/2024 19:56	WG2262313

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.417		0.0200	0.200	1	04/10/2024 22:13	WG2262486
Boron,Dissolved	0.417		0.0200	0.200	1	04/08/2024 10:26	WG2261152

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00327		0.000180	0.00200	1	04/10/2024 16:20	WG2263008
Arsenic,Dissolved	0.00348		0.000180	0.00200	1	04/11/2024 16:39	WG2261160
Barium	0.00862		0.000381	0.00200	1	04/10/2024 16:20	WG2263008
Barium,Dissolved	0.00885		0.000381	0.00200	1	04/11/2024 16:39	WG2261160
Cadmium	U		0.000150	0.00100	1	04/10/2024 16:20	WG2263008
Cadmium,Dissolved	U		0.000150	0.00100	1	04/11/2024 16:39	WG2261160
Calcium	482		0.0936	1.00	1	04/10/2024 16:20	WG2263008
Chromium	U		0.00124	0.00200	1	04/10/2024 16:20	WG2263008
Chromium,Dissolved	U		0.00124	0.00200	1	04/11/2024 16:39	WG2261160
Cobalt	0.00645		0.0000596	0.00200	1	04/10/2024 16:20	WG2263008
Cobalt,Dissolved	0.00522		0.0000596	0.00200	1	04/11/2024 16:39	WG2261160
Iron	U		0.0281	0.100	1	04/10/2024 16:20	WG2263008
Iron,Dissolved	U		0.0281	0.100	1	04/11/2024 16:39	WG2261160
Lead	U		0.000849	0.00200	1	04/10/2024 16:20	WG2263008
Lead,Dissolved	U		0.000849	0.00200	1	04/11/2024 16:39	WG2261160
Manganese	0.371		0.000704	0.00500	1	04/10/2024 16:20	WG2263008
Manganese,Dissolved	0.365		0.000704	0.00500	1	04/11/2024 16:39	WG2261160
Nickel	0.00826		0.000816	0.00200	1	04/10/2024 16:20	WG2263008
Nickel,Dissolved	0.00880		0.000816	0.00200	1	04/11/2024 16:39	WG2261160
Potassium	1.23	J	0.108	2.00	1	04/10/2024 16:20	WG2263008
Selenium	0.000479	J	0.000300	0.00200	1	04/10/2024 16:20	WG2263008
Selenium,Dissolved	0.000403	J	0.000300	0.00200	1	04/11/2024 16:39	WG2261160
Sodium	189		0.376	2.00	1	04/10/2024 16:20	WG2263008
Uranium	0.0323		0.0000789	0.00100	1	04/10/2024 16:20	WG2263008
Uranium,Dissolved	0.0306		0.0000789	0.00100	1	04/11/2024 16:39	WG2261160

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Vanadium	0.0169		0.000664	0.00500	1	04/10/2024 16:20	WG2263008
Vanadium,Dissolved	0.0167		0.000664	0.00500	1	04/11/2024 16:39	WG2261160

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/11/2024 04:34	WG2264519
(S) a,a,a-Trifluorotoluene(FID)	*91.9*			*78.0-120*		*04/11/2024 04:34*	WG2264519

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/07/2024 03:59	WG2261980
Benzene	U		0.0000941	0.00100	1	04/07/2024 03:59	WG2261980
Bromodichloromethane	U		0.000136	0.00100	1	04/07/2024 03:59	WG2261980
Bromoform	U		0.000129	0.00100	1	04/07/2024 03:59	WG2261980
Bromomethane	U		0.000605	0.00500	1	04/07/2024 03:59	WG2261980
n-Butylbenzene	U		0.000157	0.00100	1	04/07/2024 03:59	WG2261980
sec-Butylbenzene	U		0.000125	0.00100	1	04/07/2024 03:59	WG2261980
Carbon disulfide	U		0.0000962	0.00100	1	04/07/2024 03:59	WG2261980
Carbon tetrachloride	U		0.000128	0.00100	1	04/07/2024 03:59	WG2261980
Chlorobenzene	U		0.000116	0.00100	1	04/07/2024 03:59	WG2261980
Chlorodibromomethane	U		0.000140	0.00100	1	04/07/2024 03:59	WG2261980
Chloroethane	U		0.000192	0.00500	1	04/07/2024 03:59	WG2261980
Chloroform	U		0.000111	0.00500	1	04/07/2024 03:59	WG2261980
Chloromethane	U		0.000960	0.00250	1	04/07/2024 03:59	WG2261980
1,2-Dibromoethane	U		0.000126	0.00100	1	04/07/2024 03:59	WG2261980
1,1-Dichloroethane	U		0.000100	0.00100	1	04/07/2024 03:59	WG2261980
1,2-Dichloroethane	U	J4	0.0000819	0.00100	1	04/07/2024 03:59	WG2261980
1,1-Dichloroethene	U		0.000188	0.00100	1	04/07/2024 03:59	WG2261980
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/07/2024 03:59	WG2261980
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/07/2024 03:59	WG2261980
1,2-Dichloropropane	U		0.000149	0.00100	1	04/07/2024 03:59	WG2261980
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/07/2024 03:59	WG2261980
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/07/2024 03:59	WG2261980
Ethylbenzene	U		0.000137	0.00100	1	04/07/2024 03:59	WG2261980
Isopropylbenzene	U		0.000105	0.00100	1	04/07/2024 03:59	WG2261980
p-Isopropyltoluene	U		0.000120	0.00100	1	04/07/2024 03:59	WG2261980
2-Butanone (MEK)	U		0.00119	0.0100	1	04/07/2024 03:59	WG2261980
2-Hexanone	U		0.000787	0.0100	1	04/07/2024 03:59	WG2261980
Methylene Chloride	U		0.000430	0.00500	1	04/07/2024 03:59	WG2261980
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/07/2024 03:59	WG2261980
Methyl tert-butyl ether	0.000172	J	0.000101	0.00100	1	04/07/2024 03:59	WG2261980
Naphthalene	U		0.00100	0.00500	1	04/07/2024 03:59	WG2261980
n-Propylbenzene	U		0.0000993	0.00100	1	04/07/2024 03:59	WG2261980
Styrene	U		0.000118	0.00100	1	04/07/2024 03:59	WG2261980
tert-Butyl alcohol	U		0.00406	0.00500	1	04/07/2024 03:59	WG2261980
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/07/2024 03:59	WG2261980
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/07/2024 03:59	WG2261980
Tetrachloroethene	U		0.000300	0.00100	1	04/07/2024 03:59	WG2261980
Toluene	U		0.000278	0.00100	1	04/07/2024 03:59	WG2261980
1,1,1-Trichloroethane	U	J4	0.000149	0.00100	1	04/07/2024 03:59	WG2261980
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/07/2024 03:59	WG2261980
Trichloroethene	U		0.000190	0.00100	1	04/07/2024 03:59	WG2261980
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/07/2024 03:59	WG2261980

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/07/2024 03:59	WG2261980
Vinyl chloride	U		0.000234	0.00100	1	04/07/2024 03:59	WG2261980
o-Xylene	U		0.000174	0.00100	1	04/07/2024 03:59	WG2261980
m&p-Xylene	U		0.000430	0.00200	1	04/07/2024 03:59	WG2261980
Xylenes, Total	U		0.000174	0.00300	1	04/07/2024 03:59	WG2261980
(S) Toluene-d8	*100*			*80.0-120*		*04/07/2024 03:59*	WG2261980
(S) 4-Bromofluorobenzene	*88.4*			*77.0-126*		*04/07/2024 03:59*	WG2261980
(S) 1,2-Dichloroethane-d4	*128*			*70.0-130*		*04/07/2024 03:59*	WG2261980

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0452	J	0.0247	0.100	1	04/11/2024 14:59	WG2264118
(S) o-Terphenyl	*70.0*			*52.0-156*		*04/11/2024 14:59*	WG2264118

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	1070		50.0	1	04/07/2024 14:18	WG2261405

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	198		3.79	10.0	10	04/05/2024 12:05	WG2260720
Fluoride	0.487		0.0640	0.150	1	04/05/2024 19:42	WG2260720
Nitrate	9.02	Q	0.480	1.00	10	04/05/2024 12:05	WG2260720
Nitrite	U	Q	0.0420	0.100	1	04/05/2024 19:42	WG2260720
Sulfate	758		5.94	50.0	10	04/05/2024 12:05	WG2260720

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.000322	J	0.000180	0.00200	1	04/10/2024 16:24	WG2263008
Arsenic,Dissolved	0.000422	J	0.000180	0.00200	1	04/11/2024 16:42	WG2261160
Barium	0.0721		0.000381	0.00200	1	04/10/2024 16:24	WG2263008
Barium,Dissolved	0.0752		0.000381	0.00200	1	04/11/2024 16:42	WG2261160
Calcium	266		0.0936	1.00	1	04/10/2024 16:24	WG2263008
Chromium	U		0.00124	0.00200	1	04/10/2024 16:24	WG2263008
Chromium,Dissolved	U		0.00124	0.00200	1	04/11/2024 16:42	WG2261160
Iron	0.199		0.0281	0.100	1	04/10/2024 16:24	WG2263008
Iron,Dissolved	0.173		0.0281	0.100	1	04/11/2024 16:42	WG2261160
Lead	U		0.000849	0.00200	1	04/10/2024 16:24	WG2263008
Lead,Dissolved	U		0.000849	0.00200	1	04/11/2024 16:42	WG2261160
Manganese	0.819		0.000704	0.00500	1	04/10/2024 16:24	WG2263008
Manganese,Dissolved	0.769		0.000704	0.00500	1	04/11/2024 16:42	WG2261160
Potassium	0.370	J	0.108	2.00	1	04/10/2024 16:24	WG2263008
Selenium	U		0.000300	0.00200	1	04/10/2024 16:24	WG2263008
Selenium,Dissolved	U		0.000300	0.00200	1	04/11/2024 16:42	WG2261160
Sodium	167		0.376	2.00	1	04/10/2024 16:24	WG2263008

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	1.33		0.0314	0.100	1	04/14/2024 16:13	WG2266365
(S) a,a,a-Trifluorotoluene(FID)	*91.7*			*78.0-120*		*04/14/2024 16:13*	WG2266365

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		0.0113	0.0500	1	04/09/2024 02:22	WG2262853
Benzene	0.0964		0.0000941	0.00100	1	04/09/2024 02:22	WG2262853
Bromodichloromethane	U	J4	0.000136	0.00100	1	04/09/2024 02:22	WG2262853
Bromoform	U		0.000129	0.00100	1	04/09/2024 02:22	WG2262853
Bromomethane	U		0.000605	0.00500	1	04/09/2024 02:22	WG2262853
n-Butylbenzene	U		0.000157	0.00100	1	04/09/2024 02:22	WG2262853
sec-Butylbenzene	0.00173		0.000125	0.00100	1	04/09/2024 02:22	WG2262853
Carbon disulfide	0.000169	J	0.0000962	0.00100	1	04/09/2024 02:22	WG2262853
Carbon tetrachloride	U	J4	0.000128	0.00100	1	04/09/2024 02:22	WG2262853
Chlorobenzene	U		0.000116	0.00100	1	04/09/2024 02:22	WG2262853
Chlorodibromomethane	U		0.000140	0.00100	1	04/09/2024 02:22	WG2262853
Chloroethane	U		0.000192	0.00500	1	04/09/2024 02:22	WG2262853

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloroform	U		0.000111	0.00500	1	04/09/2024 02:22	WG2262853
Chloromethane	U		0.000960	0.00250	1	04/09/2024 02:22	WG2262853
1,2-Dibromoethane	U		0.000126	0.00100	1	04/09/2024 02:22	WG2262853
1,1-Dichloroethane	U		0.000100	0.00100	1	04/09/2024 02:22	WG2262853
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/09/2024 02:22	WG2262853
1,1-Dichloroethene	U		0.000188	0.00100	1	04/09/2024 02:22	WG2262853
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/09/2024 02:22	WG2262853
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/09/2024 02:22	WG2262853
1,2-Dichloropropane	U		0.000149	0.00100	1	04/09/2024 02:22	WG2262853
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/09/2024 02:22	WG2262853
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/09/2024 02:22	WG2262853
Ethylbenzene	0.0103		0.000137	0.00100	1	04/09/2024 02:22	WG2262853
Isopropylbenzene	0.00350		0.000105	0.00100	1	04/09/2024 02:22	WG2262853
p-Isopropyltoluene	U		0.000120	0.00100	1	04/09/2024 02:22	WG2262853
2-Butanone (MEK)	U		0.00119	0.0100	1	04/09/2024 02:22	WG2262853
2-Hexanone	U		0.000787	0.0100	1	04/09/2024 02:22	WG2262853
Methylene Chloride	U		0.000430	0.00500	1	04/09/2024 02:22	WG2262853
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/09/2024 02:22	WG2262853
Methyl tert-butyl ether	0.0169		0.000101	0.00100	1	04/09/2024 02:22	WG2262853
Naphthalene	0.00518		0.00100	0.00500	1	04/09/2024 02:22	WG2262853
n-Propylbenzene	0.00552		0.0000993	0.00100	1	04/09/2024 02:22	WG2262853
Styrene	U		0.000118	0.00100	1	04/09/2024 02:22	WG2262853
tert-Butyl alcohol	U	J3	0.00406	0.00500	1	04/09/2024 02:22	WG2262853
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/09/2024 02:22	WG2262853
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/09/2024 02:22	WG2262853
Tetrachloroethene	U		0.000300	0.00100	1	04/09/2024 02:22	WG2262853
Toluene	0.00132		0.000278	0.00100	1	04/09/2024 02:22	WG2262853
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/09/2024 02:22	WG2262853
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/09/2024 02:22	WG2262853
Trichloroethene	U		0.000190	0.00100	1	04/09/2024 02:22	WG2262853
1,2,4-Trimethylbenzene	0.0431		0.000322	0.00100	1	04/09/2024 02:22	WG2262853
1,3,5-Trimethylbenzene	0.000868	J	0.000104	0.00100	1	04/09/2024 02:22	WG2262853
Vinyl chloride	U		0.000234	0.00100	1	04/09/2024 02:22	WG2262853
o-Xylene	0.000310	J	0.000174	0.00100	1	04/09/2024 02:22	WG2262853
m&p-Xylene	0.0552		0.000430	0.00200	1	04/09/2024 02:22	WG2262853
Xylenes, Total	0.0555		0.000174	0.00300	1	04/09/2024 02:22	WG2262853
(S) Toluene-d8	*91.6*			*80.0-120*		*04/09/2024 02:22*	WG2262853
(S) 4-Bromofluorobenzene	*89.4*			*77.0-126*		*04/09/2024 02:22*	WG2262853
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*		*04/09/2024 02:22*	WG2262853

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.283		0.0247	0.100	1	04/11/2024 15:19	WG2264118
(S) o-Terphenyl	*79.5*			*52.0-156*		*04/11/2024 15:19*	WG2264118

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	5060		10.0	1	04/07/2024 14:18	WG2261405

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1.54		0.379	1.00	1	04/05/2024 06:10	WG2260722
Fluoride	U		0.0640	0.150	1	04/05/2024 06:10	WG2260722
Nitrate	0.0884	J	0.0480	0.100	1	04/05/2024 06:10	WG2260722
Nitrite	U		0.0420	0.100	1	04/05/2024 06:10	WG2260722
Sulfate	U		0.594	5.00	1	04/05/2024 06:10	WG2260722

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	U		0.000180	0.00200	1	04/10/2024 16:00	WG2263008
Arsenic,Dissolved	U		0.000180	0.00200	1	04/11/2024 16:46	WG2261160
Barium	0.000687	J	0.000381	0.00200	1	04/10/2024 16:00	WG2263008
Barium,Dissolved	0.00170	J	0.000381	0.00200	1	04/11/2024 16:46	WG2261160
Calcium	0.252	J	0.0936	1.00	1	04/10/2024 16:00	WG2263008
Chromium	U		0.00124	0.00200	1	04/10/2024 16:00	WG2263008
Chromium,Dissolved	U		0.00124	0.00200	1	04/11/2024 16:46	WG2261160
Iron	U		0.0281	0.100	1	04/10/2024 16:00	WG2263008
Iron,Dissolved	U		0.0281	0.100	1	04/11/2024 16:46	WG2261160
Lead	U		0.000849	0.00200	1	04/10/2024 16:00	WG2263008
Lead,Dissolved	U		0.000849	0.00200	1	04/11/2024 16:46	WG2261160
Manganese	U		0.000704	0.00500	1	04/10/2024 16:00	WG2263008
Manganese,Dissolved	U		0.000704	0.00500	1	04/11/2024 16:46	WG2261160
Potassium	0.162	J	0.108	2.00	1	04/10/2024 16:00	WG2263008
Selenium	U		0.000300	0.00200	1	04/10/2024 16:00	WG2263008
Selenium,Dissolved	U		0.000300	0.00200	1	04/11/2024 16:46	WG2261160
Sodium	1.94	J	0.376	2.00	1	04/10/2024 16:00	WG2263008

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/11/2024 02:19	WG2264519
(S) a,a,a-Trifluorotoluene(FID)	*91.9*			*78.0-120*		*04/11/2024 02:19*	WG2264519

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/07/2024 01:05	WG2261980
Benzene	U		0.0000941	0.00100	1	04/07/2024 01:05	WG2261980
Bromodichloromethane	U		0.000136	0.00100	1	04/07/2024 01:05	WG2261980
Bromoform	U		0.000129	0.00100	1	04/07/2024 01:05	WG2261980
Bromomethane	U		0.000605	0.00500	1	04/07/2024 01:05	WG2261980
n-Butylbenzene	U		0.000157	0.00100	1	04/07/2024 01:05	WG2261980
sec-Butylbenzene	U		0.000125	0.00100	1	04/07/2024 01:05	WG2261980
Carbon disulfide	U		0.0000962	0.00100	1	04/07/2024 01:05	WG2261980
Carbon tetrachloride	0.000396	J	0.000128	0.00100	1	04/07/2024 01:05	WG2261980
Chlorobenzene	U		0.000116	0.00100	1	04/07/2024 01:05	WG2261980
Chlorodibromomethane	U		0.000140	0.00100	1	04/07/2024 01:05	WG2261980
Chloroethane	U		0.000192	0.00500	1	04/07/2024 01:05	WG2261980

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Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloroform	0.000328	J	0.000111	0.00500	1	04/07/2024 01:05	WG2261980
Chloromethane	U		0.000960	0.00250	1	04/07/2024 01:05	WG2261980
1,2-Dibromoethane	U		0.000126	0.00100	1	04/07/2024 01:05	WG2261980
1,1-Dichloroethane	U		0.000100	0.00100	1	04/07/2024 01:05	WG2261980
1,2-Dichloroethane	U	J4	0.0000819	0.00100	1	04/07/2024 01:05	WG2261980
1,1-Dichloroethene	U		0.000188	0.00100	1	04/07/2024 01:05	WG2261980
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/07/2024 01:05	WG2261980
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/07/2024 01:05	WG2261980
1,2-Dichloropropane	U		0.000149	0.00100	1	04/07/2024 01:05	WG2261980
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/07/2024 01:05	WG2261980
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/07/2024 01:05	WG2261980
Ethylbenzene	U		0.000137	0.00100	1	04/07/2024 01:05	WG2261980
Isopropylbenzene	U		0.000105	0.00100	1	04/07/2024 01:05	WG2261980
p-Isopropyltoluene	U		0.000120	0.00100	1	04/07/2024 01:05	WG2261980
2-Butanone (MEK)	U		0.00119	0.0100	1	04/07/2024 01:05	WG2261980
2-Hexanone	U		0.000787	0.0100	1	04/07/2024 01:05	WG2261980
Methylene Chloride	U		0.000430	0.00500	1	04/07/2024 01:05	WG2261980
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/07/2024 01:05	WG2261980
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/07/2024 01:05	WG2261980
Naphthalene	U		0.00100	0.00500	1	04/07/2024 01:05	WG2261980
n-Propylbenzene	U		0.0000993	0.00100	1	04/07/2024 01:05	WG2261980
Styrene	U		0.000118	0.00100	1	04/07/2024 01:05	WG2261980
tert-Butyl alcohol	U		0.00406	0.00500	1	04/07/2024 01:05	WG2261980
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/07/2024 01:05	WG2261980
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/07/2024 01:05	WG2261980
Tetrachloroethene	U		0.000300	0.00100	1	04/07/2024 01:05	WG2261980
Toluene	U		0.000278	0.00100	1	04/07/2024 01:05	WG2261980
1,1,1-Trichloroethane	U	J4	0.000149	0.00100	1	04/07/2024 01:05	WG2261980
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/07/2024 01:05	WG2261980
Trichloroethene	U		0.000190	0.00100	1	04/07/2024 01:05	WG2261980
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/07/2024 01:05	WG2261980
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/07/2024 01:05	WG2261980
Vinyl chloride	U		0.000234	0.00100	1	04/07/2024 01:05	WG2261980
o-Xylene	U		0.000174	0.00100	1	04/07/2024 01:05	WG2261980
m&p-Xylene	U		0.000430	0.00200	1	04/07/2024 01:05	WG2261980
Xylenes, Total	U		0.000174	0.00300	1	04/07/2024 01:05	WG2261980
(S) Toluene-d8	*101*			*80.0-120*		*04/07/2024 01:05*	WG2261980
(S) 4-Bromofluorobenzene	*94.2*			*77.0-126*		*04/07/2024 01:05*	WG2261980
(S) 1,2-Dichloroethane-d4	*133*	J1		*70.0-130*		*04/07/2024 01:05*	WG2261980

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0318	J	0.0247	0.100	1	04/14/2024 19:05	WG2265501
(S) o-Terphenyl	*93.2*			*52.0-156*		*04/14/2024 19:05*	WG2265501

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3000		50.0	1	04/07/2024 14:18	WG2261405

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	294		3.79	10.0	10	04/05/2024 10:36	WG2260724
Fluoride	0.773	J	0.640	1.50	10	04/05/2024 10:36	WG2260724
Nitrate	U		0.480	1.00	10	04/05/2024 10:36	WG2260724
Nitrite	U		0.420	1.00	10	04/05/2024 10:36	WG2260724
Sulfate	2510		59.4	500	100	04/05/2024 13:10	WG2260724

Sample Narrative:

L1722286-49 WG2260724: Dilution due to matrix.

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	04/06/2024 19:17	WG2261019
Mercury,Dissolved	U		0.000100	0.000200	1	04/08/2024 19:58	WG2262313

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.717		0.0200	0.200	1	04/10/2024 22:14	WG2262486
Boron,Dissolved	0.715		0.0200	0.200	1	04/08/2024 10:28	WG2261152

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0127		0.000180	0.00200	1	04/10/2024 16:35	WG2263008
Arsenic,Dissolved	0.00334		0.000180	0.00200	1	04/11/2024 16:49	WG2261160
Barium	0.00848		0.000381	0.00200	1	04/10/2024 16:35	WG2263008
Barium,Dissolved	0.00869		0.000381	0.00200	1	04/11/2024 16:49	WG2261160
Cadmium	U		0.000150	0.00100	1	04/10/2024 16:35	WG2263008
Cadmium,Dissolved	U		0.000150	0.00100	1	04/11/2024 16:49	WG2261160
Calcium	492		0.0936	1.00	1	04/10/2024 16:35	WG2263008
Chromium	U		0.00124	0.00200	1	04/10/2024 16:35	WG2263008
Chromium,Dissolved	U		0.00124	0.00200	1	04/11/2024 16:49	WG2261160
Cobalt	0.000118	J	0.0000596	0.00200	1	04/10/2024 16:35	WG2263008
Cobalt,Dissolved	0.000118	J	0.0000596	0.00200	1	04/11/2024 16:49	WG2261160
Iron	0.782		0.0281	0.100	1	04/10/2024 16:35	WG2263008
Iron,Dissolved	U		0.0281	0.100	1	04/11/2024 16:49	WG2261160
Lead	U		0.000849	0.00200	1	04/10/2024 16:35	WG2263008
Lead,Dissolved	U		0.000849	0.00200	1	04/11/2024 16:49	WG2261160
Manganese	0.0113		0.000704	0.00500	1	04/10/2024 16:35	WG2263008
Manganese,Dissolved	0.0101		0.000704	0.00500	1	04/11/2024 16:49	WG2261160
Nickel	0.00185	J	0.000816	0.00200	1	04/10/2024 16:35	WG2263008
Nickel,Dissolved	0.00224		0.000816	0.00200	1	04/11/2024 16:49	WG2261160
Potassium	1.68	J	0.108	2.00	1	04/10/2024 16:35	WG2263008
Selenium	0.00512		0.000300	0.00200	1	04/10/2024 16:35	WG2263008
Selenium,Dissolved	0.00448		0.000300	0.00200	1	04/11/2024 16:49	WG2261160
Sodium	231		0.376	2.00	1	04/10/2024 16:35	WG2263008
Uranium	0.0431		0.0000789	0.00100	1	04/10/2024 16:35	WG2263008
Uranium,Dissolved	0.0396		0.0000789	0.00100	1	04/11/2024 16:49	WG2261160

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Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Vanadium	0.0253		0.000664	0.00500	1	04/10/2024 16:35	WG2263008
Vanadium,Dissolved	0.0174		0.000664	0.00500	1	04/11/2024 16:49	WG2261160

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/11/2024 04:57	WG2264519
(S) a,a,a-Trifluorotoluene(FID)	*92.1*			*78.0-120*		*04/11/2024 04:57*	WG2264519

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/07/2024 04:21	WG2261980
Benzene	U		0.0000941	0.00100	1	04/07/2024 04:21	WG2261980
Bromodichloromethane	U		0.000136	0.00100	1	04/07/2024 04:21	WG2261980
Bromoform	U		0.000129	0.00100	1	04/07/2024 04:21	WG2261980
Bromomethane	U		0.000605	0.00500	1	04/07/2024 04:21	WG2261980
n-Butylbenzene	U		0.000157	0.00100	1	04/07/2024 04:21	WG2261980
sec-Butylbenzene	U		0.000125	0.00100	1	04/07/2024 04:21	WG2261980
Carbon disulfide	U		0.0000962	0.00100	1	04/07/2024 04:21	WG2261980
Carbon tetrachloride	U		0.000128	0.00100	1	04/07/2024 04:21	WG2261980
Chlorobenzene	U		0.000116	0.00100	1	04/07/2024 04:21	WG2261980
Chlorodibromomethane	U		0.000140	0.00100	1	04/07/2024 04:21	WG2261980
Chloroethane	U		0.000192	0.00500	1	04/07/2024 04:21	WG2261980
Chloroform	U		0.000111	0.00500	1	04/07/2024 04:21	WG2261980
Chloromethane	U		0.000960	0.00250	1	04/07/2024 04:21	WG2261980
1,2-Dibromoethane	U		0.000126	0.00100	1	04/07/2024 04:21	WG2261980
1,1-Dichloroethane	U		0.000100	0.00100	1	04/07/2024 04:21	WG2261980
1,2-Dichloroethane	U	J4	0.0000819	0.00100	1	04/07/2024 04:21	WG2261980
1,1-Dichloroethene	U		0.000188	0.00100	1	04/07/2024 04:21	WG2261980
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/07/2024 04:21	WG2261980
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/07/2024 04:21	WG2261980
1,2-Dichloropropane	U		0.000149	0.00100	1	04/07/2024 04:21	WG2261980
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/07/2024 04:21	WG2261980
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/07/2024 04:21	WG2261980
Ethylbenzene	U		0.000137	0.00100	1	04/07/2024 04:21	WG2261980
Isopropylbenzene	U		0.000105	0.00100	1	04/07/2024 04:21	WG2261980
p-Isopropyltoluene	U		0.000120	0.00100	1	04/07/2024 04:21	WG2261980
2-Butanone (MEK)	U		0.00119	0.0100	1	04/07/2024 04:21	WG2261980
2-Hexanone	U		0.000787	0.0100	1	04/07/2024 04:21	WG2261980
Methylene Chloride	U		0.000430	0.00500	1	04/07/2024 04:21	WG2261980
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/07/2024 04:21	WG2261980
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/07/2024 04:21	WG2261980
Naphthalene	U		0.00100	0.00500	1	04/07/2024 04:21	WG2261980
n-Propylbenzene	U		0.0000993	0.00100	1	04/07/2024 04:21	WG2261980
Styrene	U		0.000118	0.00100	1	04/07/2024 04:21	WG2261980
tert-Butyl alcohol	U		0.00406	0.00500	1	04/07/2024 04:21	WG2261980
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/07/2024 04:21	WG2261980
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/07/2024 04:21	WG2261980
Tetrachloroethene	U		0.000300	0.00100	1	04/07/2024 04:21	WG2261980
Toluene	U		0.000278	0.00100	1	04/07/2024 04:21	WG2261980
1,1,1-Trichloroethane	U	J4	0.000149	0.00100	1	04/07/2024 04:21	WG2261980
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/07/2024 04:21	WG2261980
Trichloroethene	U		0.000190	0.00100	1	04/07/2024 04:21	WG2261980
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/07/2024 04:21	WG2261980

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Collected date/time: 04/03/24 12:00
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Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/07/2024 04:21	WG2261980
Vinyl chloride	U		0.000234	0.00100	1	04/07/2024 04:21	WG2261980
o-Xylene	U		0.000174	0.00100	1	04/07/2024 04:21	WG2261980
m&p-Xylene	U		0.000430	0.00200	1	04/07/2024 04:21	WG2261980
Xylenes, Total	U		0.000174	0.00300	1	04/07/2024 04:21	WG2261980
(S) Toluene-d8	*99.5*			*80.0-120*		*04/07/2024 04:21*	WG2261980
(S) 4-Bromofluorobenzene	*89.9*			*77.0-126*		*04/07/2024 04:21*	WG2261980
(S) 1,2-Dichloroethane-d4	*131*	J1		*70.0-130*		*04/07/2024 04:21*	WG2261980

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0543	J	0.0247	0.100	1	04/14/2024 19:25	WG2265501
(S) o-Terphenyl	*75.3*			*52.0-156*		*04/14/2024 19:25*	WG2265501

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

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Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	ND	Q	10.0	1	04/12/2024 23:43	WG2265268

Sample Narrative:

L1722286-50 WG2265268: Reporting out of hold due to QC issue.

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	0.669	J	0.379	1.00	1	04/05/2024 06:27	WG2260722
Fluoride	U		0.0640	0.150	1	04/05/2024 06:27	WG2260722
Nitrate	0.0592	J	0.0480	0.100	1	04/05/2024 06:27	WG2260722
Nitrite	U		0.0420	0.100	1	04/05/2024 06:27	WG2260722
Sulfate	U		0.594	5.00	1	04/05/2024 06:27	WG2260722

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	04/06/2024 19:24	WG2261019
Mercury,Dissolved	U		0.000100	0.000200	1	04/08/2024 20:01	WG2262313

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.0546	J	0.0200	0.200	1	04/10/2024 22:16	WG2262486
Boron,Dissolved	0.103	J	0.0200	0.200	1	04/08/2024 15:31	WG2261152

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	U		0.000180	0.00200	1	04/10/2024 16:47	WG2263008
Arsenic,Dissolved	U		0.000180	0.00200	1	04/11/2024 16:52	WG2261160
Barium	U		0.000381	0.00200	1	04/10/2024 16:47	WG2263008
Barium,Dissolved	U		0.000381	0.00200	1	04/11/2024 16:52	WG2261160
Cadmium	U		0.000150	0.00100	1	04/10/2024 16:47	WG2263008
Cadmium,Dissolved	U		0.000150	0.00100	1	04/11/2024 16:52	WG2261160
Calcium	U		0.0936	1.00	1	04/10/2024 16:47	WG2263008
Chromium	U		0.00124	0.00200	1	04/10/2024 16:47	WG2263008
Chromium,Dissolved	U		0.00124	0.00200	1	04/11/2024 16:52	WG2261160
Cobalt	U		0.0000596	0.00200	1	04/10/2024 16:47	WG2263008
Cobalt,Dissolved	U		0.0000596	0.00200	1	04/11/2024 16:52	WG2261160
Iron	U		0.0281	0.100	1	04/10/2024 16:47	WG2263008
Iron,Dissolved	U		0.0281	0.100	1	04/11/2024 16:52	WG2261160
Lead	U		0.000849	0.00200	1	04/10/2024 16:47	WG2263008
Lead,Dissolved	U		0.000849	0.00200	1	04/11/2024 16:52	WG2261160
Manganese	U		0.000704	0.00500	1	04/10/2024 16:47	WG2263008
Manganese,Dissolved	U		0.000704	0.00500	1	04/11/2024 16:52	WG2261160
Nickel	U		0.000816	0.00200	1	04/10/2024 16:47	WG2263008
Nickel,Dissolved	U		0.000816	0.00200	1	04/11/2024 16:52	WG2261160
Potassium	U		0.108	2.00	1	04/10/2024 16:47	WG2263008
Selenium	U		0.000300	0.00200	1	04/10/2024 16:47	WG2263008
Selenium,Dissolved	U		0.000300	0.00200	1	04/11/2024 16:52	WG2261160
Sodium	U		0.376	2.00	1	04/10/2024 16:47	WG2263008
Uranium	U		0.0000789	0.00100	1	04/10/2024 16:47	WG2263008
Uranium,Dissolved	U		0.0000789	0.00100	1	04/11/2024 16:52	WG2261160

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Vanadium	U		0.000664	0.00500	1	04/10/2024 16:47	WG2263008
Vanadium,Dissolved	U		0.000664	0.00500	1	04/11/2024 16:52	WG2261160

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/11/2024 01:56	WG2264519
(S) a,a,a-Trifluorotoluene(FID)	*91.1*			*78.0-120*		*04/11/2024 01:56*	WG2264519

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		0.0113	0.0500	1	04/07/2024 01:27	WG2261980
Benzene	U		0.0000941	0.00100	1	04/07/2024 01:27	WG2261980
Bromodichloromethane	U		0.000136	0.00100	1	04/07/2024 01:27	WG2261980
Bromoform	U		0.000129	0.00100	1	04/07/2024 01:27	WG2261980
Bromomethane	U		0.000605	0.00500	1	04/07/2024 01:27	WG2261980
n-Butylbenzene	U		0.000157	0.00100	1	04/07/2024 01:27	WG2261980
sec-Butylbenzene	U		0.000125	0.00100	1	04/07/2024 01:27	WG2261980
Carbon disulfide	U		0.0000962	0.00100	1	04/07/2024 01:27	WG2261980
Carbon tetrachloride	U		0.000128	0.00100	1	04/07/2024 01:27	WG2261980
Chlorobenzene	U		0.000116	0.00100	1	04/07/2024 01:27	WG2261980
Chlorodibromomethane	U		0.000140	0.00100	1	04/07/2024 01:27	WG2261980
Chloroethane	U		0.000192	0.00500	1	04/07/2024 01:27	WG2261980
Chloroform	0.00186	J	0.000111	0.00500	1	04/07/2024 01:27	WG2261980
Chloromethane	U		0.000960	0.00250	1	04/07/2024 01:27	WG2261980
1,2-Dibromoethane	U		0.000126	0.00100	1	04/07/2024 01:27	WG2261980
1,1-Dichloroethane	U		0.000100	0.00100	1	04/07/2024 01:27	WG2261980
1,2-Dichloroethane	U	J4	0.0000819	0.00100	1	04/07/2024 01:27	WG2261980
1,1-Dichloroethene	U		0.000188	0.00100	1	04/07/2024 01:27	WG2261980
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/07/2024 01:27	WG2261980
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/07/2024 01:27	WG2261980
1,2-Dichloropropane	U		0.000149	0.00100	1	04/07/2024 01:27	WG2261980
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/07/2024 01:27	WG2261980
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/07/2024 01:27	WG2261980
Ethylbenzene	U		0.000137	0.00100	1	04/07/2024 01:27	WG2261980
Isopropylbenzene	U		0.000105	0.00100	1	04/07/2024 01:27	WG2261980
p-Isopropyltoluene	U		0.000120	0.00100	1	04/07/2024 01:27	WG2261980
2-Butanone (MEK)	U		0.00119	0.0100	1	04/07/2024 01:27	WG2261980
2-Hexanone	U		0.000787	0.0100	1	04/07/2024 01:27	WG2261980
Methylene Chloride	U		0.000430	0.00500	1	04/07/2024 01:27	WG2261980
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/07/2024 01:27	WG2261980
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/07/2024 01:27	WG2261980
Naphthalene	U		0.00100	0.00500	1	04/07/2024 01:27	WG2261980
n-Propylbenzene	U		0.0000993	0.00100	1	04/07/2024 01:27	WG2261980
Styrene	U		0.000118	0.00100	1	04/07/2024 01:27	WG2261980
tert-Butyl alcohol	U		0.00406	0.00500	1	04/07/2024 01:27	WG2261980
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/07/2024 01:27	WG2261980
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/07/2024 01:27	WG2261980
Tetrachloroethene	U		0.000300	0.00100	1	04/07/2024 01:27	WG2261980
Toluene	U		0.000278	0.00100	1	04/07/2024 01:27	WG2261980
1,1,1-Trichloroethane	U	J4	0.000149	0.00100	1	04/07/2024 01:27	WG2261980
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/07/2024 01:27	WG2261980
Trichloroethene	U		0.000190	0.00100	1	04/07/2024 01:27	WG2261980
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/07/2024 01:27	WG2261980

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LB-RES1-05
Collected date/time: 04/03/24 11:40
L1722286

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/07/2024 01:27	WG2261980
Vinyl chloride	U		0.000234	0.00100	1	04/07/2024 01:27	WG2261980
o-Xylene	U		0.000174	0.00100	1	04/07/2024 01:27	WG2261980
m&p-Xylene	U		0.000430	0.00200	1	04/07/2024 01:27	WG2261980
Xylenes, Total	U		0.000174	0.00300	1	04/07/2024 01:27	WG2261980
(S) Toluene-d8	*102*			*80.0-120*		*04/07/2024 01:27*	WG2261980
(S) 4-Bromofluorobenzene	*90.0*			*77.0-126*		*04/07/2024 01:27*	WG2261980
(S) 1,2-Dichloroethane-d4	*129*			*70.0-130*		*04/07/2024 01:27*	WG2261980

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	04/11/2024 16:20	WG2264118
(S) o-Terphenyl	*67.9*			*52.0-156*		*04/11/2024 16:20*	WG2264118

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Released to Imaging: 6/17/2025 4:41:11 PM

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/07/2024 00:21	WG2261980
Benzene	U		0.0000941	0.00100	1	04/07/2024 00:21	WG2261980
Bromodichloromethane	U		0.000136	0.00100	1	04/07/2024 00:21	WG2261980
Bromoform	U		0.000129	0.00100	1	04/07/2024 00:21	WG2261980
Bromomethane	U		0.000605	0.00500	1	04/07/2024 00:21	WG2261980
n-Butylbenzene	U		0.000157	0.00100	1	04/07/2024 00:21	WG2261980
sec-Butylbenzene	U		0.000125	0.00100	1	04/07/2024 00:21	WG2261980
Carbon disulfide	U		0.0000962	0.00100	1	04/07/2024 00:21	WG2261980
Carbon tetrachloride	U		0.000128	0.00100	1	04/07/2024 00:21	WG2261980
Chlorobenzene	U		0.000116	0.00100	1	04/07/2024 00:21	WG2261980
Chlorodibromomethane	U		0.000140	0.00100	1	04/07/2024 00:21	WG2261980
Chloroethane	U		0.000192	0.00500	1	04/07/2024 00:21	WG2261980
Chloroform	U		0.000111	0.00500	1	04/07/2024 00:21	WG2261980
Chloromethane	U		0.000960	0.00250	1	04/07/2024 00:21	WG2261980
1,2-Dibromoethane	U		0.000126	0.00100	1	04/07/2024 00:21	WG2261980
1,1-Dichloroethane	U		0.000100	0.00100	1	04/07/2024 00:21	WG2261980
1,2-Dichloroethane	U	J4	0.0000819	0.00100	1	04/07/2024 00:21	WG2261980
1,1-Dichloroethene	U		0.000188	0.00100	1	04/07/2024 00:21	WG2261980
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/07/2024 00:21	WG2261980
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/07/2024 00:21	WG2261980
1,2-Dichloropropane	U		0.000149	0.00100	1	04/07/2024 00:21	WG2261980
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/07/2024 00:21	WG2261980
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/07/2024 00:21	WG2261980
Ethylbenzene	U		0.000137	0.00100	1	04/07/2024 00:21	WG2261980
Isopropylbenzene	U		0.000105	0.00100	1	04/07/2024 00:21	WG2261980
p-Isopropyltoluene	U		0.000120	0.00100	1	04/07/2024 00:21	WG2261980
2-Butanone (MEK)	U		0.00119	0.0100	1	04/07/2024 00:21	WG2261980
2-Hexanone	U		0.000787	0.0100	1	04/07/2024 00:21	WG2261980
Methylene Chloride	U		0.000430	0.00500	1	04/07/2024 00:21	WG2261980
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/07/2024 00:21	WG2261980
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/07/2024 00:21	WG2261980
Naphthalene	U		0.00100	0.00500	1	04/07/2024 00:21	WG2261980
n-Propylbenzene	U		0.0000993	0.00100	1	04/07/2024 00:21	WG2261980
Styrene	U		0.000118	0.00100	1	04/07/2024 00:21	WG2261980
tert-Butyl alcohol	U		0.00406	0.00500	1	04/07/2024 00:21	WG2261980
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/07/2024 00:21	WG2261980
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/07/2024 00:21	WG2261980
Tetrachloroethene	U		0.000300	0.00100	1	04/07/2024 00:21	WG2261980
Toluene	U		0.000278	0.00100	1	04/07/2024 00:21	WG2261980
1,1,1-Trichloroethane	U	J4	0.000149	0.00100	1	04/07/2024 00:21	WG2261980
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/07/2024 00:21	WG2261980
Trichloroethene	U		0.000190	0.00100	1	04/07/2024 00:21	WG2261980
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/07/2024 00:21	WG2261980
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/07/2024 00:21	WG2261980
Vinyl chloride	U		0.000234	0.00100	1	04/07/2024 00:21	WG2261980
o-Xylene	U		0.000174	0.00100	1	04/07/2024 00:21	WG2261980
m&p-Xylene	U		0.000430	0.00200	1	04/07/2024 00:21	WG2261980
Xylenes, Total	U		0.000174	0.00300	1	04/07/2024 00:21	WG2261980
(S) Toluene-d8	*95.1*			*80.0-120*		*04/07/2024 00:21*	WG2261980
(S) 4-Bromofluorobenzene	*93.9*			*77.0-126*		*04/07/2024 00:21*	WG2261980
(S) 1,2-Dichloroethane-d4	*132*	J1		*70.0-130*		*04/07/2024 00:21*	WG2261980

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/07/2024 00:43	WG2261980
Benzene	U		0.0000941	0.00100	1	04/07/2024 00:43	WG2261980
Bromodichloromethane	U		0.000136	0.00100	1	04/07/2024 00:43	WG2261980
Bromoform	U		0.000129	0.00100	1	04/07/2024 00:43	WG2261980
Bromomethane	U		0.000605	0.00500	1	04/07/2024 00:43	WG2261980
n-Butylbenzene	U		0.000157	0.00100	1	04/07/2024 00:43	WG2261980
sec-Butylbenzene	U		0.000125	0.00100	1	04/07/2024 00:43	WG2261980
Carbon disulfide	U		0.0000962	0.00100	1	04/07/2024 00:43	WG2261980
Carbon tetrachloride	U		0.000128	0.00100	1	04/07/2024 00:43	WG2261980
Chlorobenzene	U		0.000116	0.00100	1	04/07/2024 00:43	WG2261980
Chlorodibromomethane	U		0.000140	0.00100	1	04/07/2024 00:43	WG2261980
Chloroethane	U		0.000192	0.00500	1	04/07/2024 00:43	WG2261980
Chloroform	U		0.000111	0.00500	1	04/07/2024 00:43	WG2261980
Chloromethane	U		0.000960	0.00250	1	04/07/2024 00:43	WG2261980
1,2-Dibromoethane	U		0.000126	0.00100	1	04/07/2024 00:43	WG2261980
1,1-Dichloroethane	U		0.000100	0.00100	1	04/07/2024 00:43	WG2261980
1,2-Dichloroethane	U	J4	0.0000819	0.00100	1	04/07/2024 00:43	WG2261980
1,1-Dichloroethene	U		0.000188	0.00100	1	04/07/2024 00:43	WG2261980
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/07/2024 00:43	WG2261980
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/07/2024 00:43	WG2261980
1,2-Dichloropropane	U		0.000149	0.00100	1	04/07/2024 00:43	WG2261980
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/07/2024 00:43	WG2261980
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/07/2024 00:43	WG2261980
Ethylbenzene	U		0.000137	0.00100	1	04/07/2024 00:43	WG2261980
Isopropylbenzene	U		0.000105	0.00100	1	04/07/2024 00:43	WG2261980
p-Isopropyltoluene	U		0.000120	0.00100	1	04/07/2024 00:43	WG2261980
2-Butanone (MEK)	U		0.00119	0.0100	1	04/07/2024 00:43	WG2261980
2-Hexanone	U		0.000787	0.0100	1	04/07/2024 00:43	WG2261980
Methylene Chloride	U		0.000430	0.00500	1	04/07/2024 00:43	WG2261980
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/07/2024 00:43	WG2261980
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/07/2024 00:43	WG2261980
Naphthalene	U		0.00100	0.00500	1	04/07/2024 00:43	WG2261980
n-Propylbenzene	U		0.0000993	0.00100	1	04/07/2024 00:43	WG2261980
Styrene	U		0.000118	0.00100	1	04/07/2024 00:43	WG2261980
tert-Butyl alcohol	U		0.00406	0.00500	1	04/07/2024 00:43	WG2261980
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/07/2024 00:43	WG2261980
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/07/2024 00:43	WG2261980
Tetrachloroethene	U		0.000300	0.00100	1	04/07/2024 00:43	WG2261980
Toluene	U		0.000278	0.00100	1	04/07/2024 00:43	WG2261980
1,1,1-Trichloroethane	U	J4	0.000149	0.00100	1	04/07/2024 00:43	WG2261980
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/07/2024 00:43	WG2261980
Trichloroethene	U		0.000190	0.00100	1	04/07/2024 00:43	WG2261980
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/07/2024 00:43	WG2261980
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/07/2024 00:43	WG2261980
Vinyl chloride	U		0.000234	0.00100	1	04/07/2024 00:43	WG2261980
o-Xylene	U		0.000174	0.00100	1	04/07/2024 00:43	WG2261980
m&p-Xylene	U		0.000430	0.00200	1	04/07/2024 00:43	WG2261980
Xylenes, Total	U		0.000174	0.00300	1	04/07/2024 00:43	WG2261980
(S) Toluene-d8	*99.1*			*80.0-120*		*04/07/2024 00:43*	WG2261980
(S) 4-Bromofluorobenzene	*88.1*			*77.0-126*		*04/07/2024 00:43*	WG2261980
(S) 1,2-Dichloroethane-d4	*131*	J1		*70.0-130*		*04/07/2024 00:43*	WG2261980

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2980	Q	50.0	1	04/12/2024 23:43	WG2265268

Sample Narrative:

L1722286-53 WG2265268: Reporting out of hold due to QC issue.

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	375		7.58	20.0	20	04/05/2024 06:58	WG2260717
Fluoride	3.14		0.0640	0.150	1	04/19/2024 10:05	WG2270014
Nitrate	0.811		0.0480	0.100	1	04/05/2024 01:32	WG2260717
Nitrite	0.112	B	0.0420	0.100	1	04/05/2024 01:32	WG2260717
Sulfate	1570		11.9	100	20	04/05/2024 06:58	WG2260717

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	04/06/2024 19:26	WG2261019
Mercury,Dissolved	U		0.000100	0.000200	1	04/08/2024 20:03	WG2262313

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.407		0.0200	0.200	1	04/10/2024 22:18	WG2262486
Boron,Dissolved	0.404		0.0200	0.200	1	04/08/2024 10:33	WG2261152

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00294		0.000180	0.00200	1	04/10/2024 16:50	WG2263008
Arsenic,Dissolved	0.00277		0.000180	0.00200	1	04/11/2024 16:56	WG2261160
Barium	0.0117		0.000381	0.00200	1	04/10/2024 16:50	WG2263008
Barium,Dissolved	0.0102		0.000381	0.00200	1	04/11/2024 16:56	WG2261160
Cadmium	U		0.000150	0.00100	1	04/10/2024 16:50	WG2263008
Cadmium,Dissolved	U		0.000150	0.00100	1	04/11/2024 16:56	WG2261160
Calcium	507		0.0936	1.00	1	04/10/2024 16:50	WG2263008
Chromium	U		0.00124	0.00200	1	04/10/2024 16:50	WG2263008
Chromium,Dissolved	U		0.00124	0.00200	1	04/11/2024 16:56	WG2261160
Cobalt	0.00145	J	0.0000596	0.00200	1	04/10/2024 16:50	WG2263008
Cobalt,Dissolved	0.00120	J	0.0000596	0.00200	1	04/11/2024 16:56	WG2261160
Iron	0.0554	J	0.0281	0.100	1	04/10/2024 16:50	WG2263008
Iron,Dissolved	U		0.0281	0.100	1	04/11/2024 16:56	WG2261160
Lead	U		0.000849	0.00200	1	04/10/2024 16:50	WG2263008
Lead,Dissolved	U		0.000849	0.00200	1	04/11/2024 16:56	WG2261160
Manganese	0.0105		0.000704	0.00500	1	04/10/2024 16:50	WG2263008
Manganese,Dissolved	0.00595		0.000704	0.00500	1	04/11/2024 16:56	WG2261160
Nickel	0.00345		0.000816	0.00200	1	04/10/2024 16:50	WG2263008
Nickel,Dissolved	0.00380		0.000816	0.00200	1	04/11/2024 16:56	WG2261160
Potassium	5.23		0.108	2.00	1	04/10/2024 16:50	WG2263008
Selenium	0.00421		0.000300	0.00200	1	04/10/2024 16:50	WG2263008
Selenium,Dissolved	0.00426		0.000300	0.00200	1	04/11/2024 16:56	WG2261160
Sodium	173		0.376	2.00	1	04/10/2024 16:50	WG2263008
Uranium	0.0125		0.0000789	0.00100	1	04/10/2024 16:50	WG2263008
Uranium,Dissolved	0.0108		0.0000789	0.00100	1	04/11/2024 16:56	WG2261160

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Vanadium	0.0152		0.000664	0.00500	1	04/10/2024 16:50	WG2263008
Vanadium,Dissolved	0.0130		0.000664	0.00500	1	04/11/2024 16:56	WG2261160

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0935	J	0.0314	0.100	1	04/11/2024 05:20	WG2264519
(S) a,a,a-Trifluorotoluene(FID)	*91.8*			*78.0-120*		*04/11/2024 05:20*	WG2264519

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/07/2024 04:43	WG2261980
Benzene	U		0.0000941	0.00100	1	04/07/2024 04:43	WG2261980
Bromodichloromethane	U		0.000136	0.00100	1	04/07/2024 04:43	WG2261980
Bromoform	U		0.000129	0.00100	1	04/07/2024 04:43	WG2261980
Bromomethane	U		0.000605	0.00500	1	04/07/2024 04:43	WG2261980
n-Butylbenzene	U		0.000157	0.00100	1	04/07/2024 04:43	WG2261980
sec-Butylbenzene	U		0.000125	0.00100	1	04/07/2024 04:43	WG2261980
Carbon disulfide	U		0.0000962	0.00100	1	04/07/2024 04:43	WG2261980
Carbon tetrachloride	U		0.000128	0.00100	1	04/07/2024 04:43	WG2261980
Chlorobenzene	U		0.000116	0.00100	1	04/07/2024 04:43	WG2261980
Chlorodibromomethane	U		0.000140	0.00100	1	04/07/2024 04:43	WG2261980
Chloroethane	U		0.000192	0.00500	1	04/07/2024 04:43	WG2261980
Chloroform	U		0.000111	0.00500	1	04/07/2024 04:43	WG2261980
Chloromethane	U		0.000960	0.00250	1	04/07/2024 04:43	WG2261980
1,2-Dibromoethane	U		0.000126	0.00100	1	04/07/2024 04:43	WG2261980
1,1-Dichloroethane	U		0.000100	0.00100	1	04/07/2024 04:43	WG2261980
1,2-Dichloroethane	U	J4	0.0000819	0.00100	1	04/07/2024 04:43	WG2261980
1,1-Dichloroethene	U		0.000188	0.00100	1	04/07/2024 04:43	WG2261980
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/07/2024 04:43	WG2261980
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/07/2024 04:43	WG2261980
1,2-Dichloropropane	U		0.000149	0.00100	1	04/07/2024 04:43	WG2261980
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/07/2024 04:43	WG2261980
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/07/2024 04:43	WG2261980
Ethylbenzene	U		0.000137	0.00100	1	04/07/2024 04:43	WG2261980
Isopropylbenzene	U		0.000105	0.00100	1	04/07/2024 04:43	WG2261980
p-Isopropyltoluene	U		0.000120	0.00100	1	04/07/2024 04:43	WG2261980
2-Butanone (MEK)	U		0.00119	0.0100	1	04/07/2024 04:43	WG2261980
2-Hexanone	U		0.000787	0.0100	1	04/07/2024 04:43	WG2261980
Methylene Chloride	U		0.000430	0.00500	1	04/07/2024 04:43	WG2261980
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/07/2024 04:43	WG2261980
Methyl tert-butyl ether	0.0670		0.000101	0.00100	1	04/07/2024 04:43	WG2261980
Naphthalene	U		0.00100	0.00500	1	04/07/2024 04:43	WG2261980
n-Propylbenzene	U		0.0000993	0.00100	1	04/07/2024 04:43	WG2261980
Styrene	U		0.000118	0.00100	1	04/07/2024 04:43	WG2261980
tert-Butyl alcohol	U		0.00406	0.00500	1	04/07/2024 04:43	WG2261980
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/07/2024 04:43	WG2261980
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/07/2024 04:43	WG2261980
Tetrachloroethene	U		0.000300	0.00100	1	04/07/2024 04:43	WG2261980
Toluene	U		0.000278	0.00100	1	04/07/2024 04:43	WG2261980
1,1,1-Trichloroethane	U	J4	0.000149	0.00100	1	04/07/2024 04:43	WG2261980
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/07/2024 04:43	WG2261980
Trichloroethene	U		0.000190	0.00100	1	04/07/2024 04:43	WG2261980
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/07/2024 04:43	WG2261980

MW-117
Collected date/time: 04/03/24 08:45
L1722286

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/07/2024 04:43	WG2261980
Vinyl chloride	U		0.000234	0.00100	1	04/07/2024 04:43	WG2261980
o-Xylene	U		0.000174	0.00100	1	04/07/2024 04:43	WG2261980
m&p-Xylene	U		0.000430	0.00200	1	04/07/2024 04:43	WG2261980
Xylenes, Total	U		0.000174	0.00300	1	04/07/2024 04:43	WG2261980
(S) Toluene-d8	*106*			*80.0-120*		*04/07/2024 04:43*	WG2261980
(S) 4-Bromofluorobenzene	*97.0*			*77.0-126*		*04/07/2024 04:43*	WG2261980
(S) 1,2-Dichloroethane-d4	*137*	J1		*70.0-130*		*04/07/2024 04:43*	WG2261980

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.286		0.0247	0.100	1	04/11/2024 17:00	WG2264118
(S) o-Terphenyl	*72.6*			*52.0-156*		*04/11/2024 17:00*	WG2264118

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2310	Q	50.0	1	04/12/2024 23:43	WG2265268

Sample Narrative:

L1722286-54 WG2265268: Reporting out of hold due to QC issue.

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	250		7.58	20.0	20	04/05/2024 07:12	WG2260717
Fluoride	0.804	B	0.0640	0.150	1	04/19/2024 10:18	WG2270014
Nitrate	0.471	B	0.0480	0.100	1	04/05/2024 01:46	WG2260717
Nitrite	0.0969	B J	0.0420	0.100	1	04/05/2024 01:46	WG2260717
Sulfate	1080		11.9	100	20	04/05/2024 07:12	WG2260717

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00210		0.000180	0.00200	1	04/10/2024 16:54	WG2263008
Arsenic,Dissolved	0.00247		0.000180	0.00200	1	04/11/2024 16:59	WG2261160
Barium	0.0256		0.000381	0.00200	1	04/10/2024 16:54	WG2263008
Barium,Dissolved	0.0242		0.000381	0.00200	1	04/11/2024 16:59	WG2261160
Calcium	268		0.0936	1.00	1	04/10/2024 16:54	WG2263008
Chromium	U		0.00124	0.00200	1	04/10/2024 16:54	WG2263008
Chromium,Dissolved	U		0.00124	0.00200	1	04/11/2024 16:59	WG2261160
Iron	0.229		0.0281	0.100	1	04/10/2024 16:54	WG2263008
Iron,Dissolved	0.272		0.0281	0.100	1	04/11/2024 16:59	WG2261160
Lead	0.00102	J	0.000849	0.00200	1	04/10/2024 16:54	WG2263008
Lead,Dissolved	U		0.000849	0.00200	1	04/11/2024 16:59	WG2261160
Manganese	0.656		0.000704	0.00500	1	04/10/2024 16:54	WG2263008
Manganese,Dissolved	0.659		0.000704	0.00500	1	04/11/2024 16:59	WG2261160
Potassium	0.364	J	0.108	2.00	1	04/10/2024 16:54	WG2263008
Selenium	U		0.000300	0.00200	1	04/10/2024 16:54	WG2263008
Selenium,Dissolved	U		0.000300	0.00200	1	04/11/2024 16:59	WG2261160
Sodium	244		0.376	2.00	1	04/10/2024 16:54	WG2263008

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/09/2024 02:45	WG2262853
Benzene	0.0182		0.0000941	0.00100	1	04/09/2024 02:45	WG2262853
Bromodichloromethane	U	J4	0.000136	0.00100	1	04/09/2024 02:45	WG2262853
Bromoform	U		0.000129	0.00100	1	04/09/2024 02:45	WG2262853
Bromomethane	U		0.000605	0.00500	1	04/09/2024 02:45	WG2262853
n-Butylbenzene	U		0.000157	0.00100	1	04/09/2024 02:45	WG2262853
sec-Butylbenzene	0.000829	J	0.000125	0.00100	1	04/09/2024 02:45	WG2262853
Carbon disulfide	0.000170	J	0.0000962	0.00100	1	04/09/2024 02:45	WG2262853
Carbon tetrachloride	U	J4	0.000128	0.00100	1	04/09/2024 02:45	WG2262853
Chlorobenzene	U		0.000116	0.00100	1	04/09/2024 02:45	WG2262853
Chlorodibromomethane	U		0.000140	0.00100	1	04/09/2024 02:45	WG2262853
Chloroethane	U		0.000192	0.00500	1	04/09/2024 02:45	WG2262853
Chloroform	U		0.000111	0.00500	1	04/09/2024 02:45	WG2262853
Chloromethane	U		0.000960	0.00250	1	04/09/2024 02:45	WG2262853
1,2-Dibromoethane	U		0.000126	0.00100	1	04/09/2024 02:45	WG2262853
1,1-Dichloroethane	U		0.000100	0.00100	1	04/09/2024 02:45	WG2262853

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/09/2024 02:45	WG2262853
1,1-Dichloroethene	U		0.000188	0.00100	1	04/09/2024 02:45	WG2262853
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/09/2024 02:45	WG2262853
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/09/2024 02:45	WG2262853
1,2-Dichloropropane	U		0.000149	0.00100	1	04/09/2024 02:45	WG2262853
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/09/2024 02:45	WG2262853
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/09/2024 02:45	WG2262853
Ethylbenzene	0.000804	J	0.000137	0.00100	1	04/09/2024 02:45	WG2262853
Isopropylbenzene	0.000932	J	0.000105	0.00100	1	04/09/2024 02:45	WG2262853
p-Isopropyltoluene	U		0.000120	0.00100	1	04/09/2024 02:45	WG2262853
2-Butanone (MEK)	U		0.00119	0.0100	1	04/09/2024 02:45	WG2262853
2-Hexanone	U		0.000787	0.0100	1	04/09/2024 02:45	WG2262853
Methylene Chloride	U		0.000430	0.00500	1	04/09/2024 02:45	WG2262853
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/09/2024 02:45	WG2262853
Methyl tert-butyl ether	0.0222		0.000101	0.00100	1	04/09/2024 02:45	WG2262853
Naphthalene	0.00288	J	0.00100	0.00500	1	04/09/2024 02:45	WG2262853
n-Propylbenzene	0.00127		0.0000993	0.00100	1	04/09/2024 02:45	WG2262853
Styrene	U		0.000118	0.00100	1	04/09/2024 02:45	WG2262853
tert-Butyl alcohol	U	J3	0.00406	0.00500	1	04/09/2024 02:45	WG2262853
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/09/2024 02:45	WG2262853
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/09/2024 02:45	WG2262853
Tetrachloroethene	U		0.000300	0.00100	1	04/09/2024 02:45	WG2262853
Toluene	U		0.000278	0.00100	1	04/09/2024 02:45	WG2262853
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/09/2024 02:45	WG2262853
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/09/2024 02:45	WG2262853
Trichloroethene	U		0.000190	0.00100	1	04/09/2024 02:45	WG2262853
1,2,4-Trimethylbenzene	0.0121		0.000322	0.00100	1	04/09/2024 02:45	WG2262853
1,3,5-Trimethylbenzene	0.00331		0.000104	0.00100	1	04/09/2024 02:45	WG2262853
Vinyl chloride	U		0.000234	0.00100	1	04/09/2024 02:45	WG2262853
o-Xylene	0.000290	J	0.000174	0.00100	1	04/09/2024 02:45	WG2262853
m&p-Xylene	0.000589	J	0.000430	0.00200	1	04/09/2024 02:45	WG2262853
Xylenes, Total	0.000879	J	0.000174	0.00300	1	04/09/2024 02:45	WG2262853
(S) Toluene-d8	*85.4*			*80.0-120*		*04/09/2024 02:45*	WG2262853
(S) 4-Bromofluorobenzene	*108*			*77.0-126*		*04/09/2024 02:45*	WG2262853
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*04/09/2024 02:45*	WG2262853

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1.07		0.0247	0.100	1	04/13/2024 14:22	WG2264620
(S) o-Terphenyl	*33.5*	J2		*52.0-156*		*04/13/2024 14:22*	WG2264620

Sample Narrative:

L1722286-54 WG2264620: Surrogate recovery within historical limits.

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	6140		200	1	04/09/2024 16:58	WG2263011

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	2900		37.9	100	100	04/05/2024 08:38	WG2260715
Fluoride	4.34		0.640	1.50	10	04/05/2024 05:24	WG2260715
Nitrate	U		0.480	1.00	10	04/05/2024 05:24	WG2260715
Nitrite	U		0.420	1.00	10	04/05/2024 05:24	WG2260715
Sulfate	236		5.94	50.0	10	04/05/2024 05:24	WG2260715

Sample Narrative:

L1722286-55 WG2260715: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00226		0.000180	0.00200	1	04/10/2024 16:57	WG2263008
Arsenic,Dissolved	0.00245		0.000180	0.00200	1	04/11/2024 17:10	WG2261160
Barium	0.283		0.000381	0.00200	1	04/10/2024 16:57	WG2263008
Barium,Dissolved	0.284		0.000381	0.00200	1	04/11/2024 17:10	WG2261160
Calcium	79.3		0.0936	1.00	1	04/10/2024 16:57	WG2263008
Chromium	U		0.00124	0.00200	1	04/10/2024 16:57	WG2263008
Chromium,Dissolved	U		0.00124	0.00200	1	04/11/2024 17:10	WG2261160
Iron	U		0.0281	0.100	1	04/10/2024 16:57	WG2263008
Iron,Dissolved	U		0.0281	0.100	1	04/11/2024 17:10	WG2261160
Lead	U		0.000849	0.00200	1	04/10/2024 16:57	WG2263008
Lead,Dissolved	U		0.000849	0.00200	1	04/11/2024 17:10	WG2261160
Manganese	0.00164	J	0.000704	0.00500	1	04/10/2024 16:57	WG2263008
Manganese,Dissolved	0.00173	J	0.000704	0.00500	1	04/11/2024 17:10	WG2261160
Potassium	0.787	J	0.108	2.00	1	04/10/2024 16:57	WG2263008
Selenium	U		0.000300	0.00200	1	04/10/2024 16:57	WG2263008
Selenium,Dissolved	U		0.000300	0.00200	1	04/11/2024 17:10	WG2261160
Sodium	2150		1.88	10.0	5	04/10/2024 17:44	WG2263008

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	4.25		0.157	0.500	5	04/11/2024 08:21	WG2264519
(S) a,a,a-Trifluorotoluene(FID)	*92.3*			*78.0-120*		*04/11/2024 08:21*	WG2264519

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.113	0.500	10	04/07/2024 06:31	WG2261980
Benzene	0.836		0.000941	0.0100	10	04/07/2024 06:31	WG2261980
Bromodichloromethane	U		0.00136	0.0100	10	04/07/2024 06:31	WG2261980
Bromoform	U		0.00129	0.0100	10	04/07/2024 06:31	WG2261980
Bromomethane	U		0.00605	0.0500	10	04/07/2024 06:31	WG2261980
n-Butylbenzene	U		0.00157	0.0100	10	04/07/2024 06:31	WG2261980
sec-Butylbenzene	0.00399	J	0.00125	0.0100	10	04/07/2024 06:31	WG2261980
Carbon disulfide	U		0.000962	0.0100	10	04/07/2024 06:31	WG2261980
Carbon tetrachloride	U		0.00128	0.0100	10	04/07/2024 06:31	WG2261980

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.00116	0.0100	10	04/07/2024 06:31	WG2261980
Chlorodibromomethane	U		0.00140	0.0100	10	04/07/2024 06:31	WG2261980
Chloroethane	U		0.00192	0.0500	10	04/07/2024 06:31	WG2261980
Chloroform	U		0.00111	0.0500	10	04/07/2024 06:31	WG2261980
Chloromethane	U		0.00960	0.0250	10	04/07/2024 06:31	WG2261980
1,2-Dibromoethane	U		0.00126	0.0100	10	04/07/2024 06:31	WG2261980
1,1-Dichloroethane	U		0.00100	0.0100	10	04/07/2024 06:31	WG2261980
1,2-Dichloroethane	U	J4	0.000819	0.0100	10	04/07/2024 06:31	WG2261980
1,1-Dichloroethene	U		0.00188	0.0100	10	04/07/2024 06:31	WG2261980
cis-1,2-Dichloroethene	U		0.00126	0.0100	10	04/07/2024 06:31	WG2261980
trans-1,2-Dichloroethene	U		0.00149	0.0100	10	04/07/2024 06:31	WG2261980
1,2-Dichloropropane	U		0.00149	0.0100	10	04/07/2024 06:31	WG2261980
cis-1,3-Dichloropropene	U		0.00111	0.0100	10	04/07/2024 06:31	WG2261980
trans-1,3-Dichloropropene	U		0.00118	0.0100	10	04/07/2024 06:31	WG2261980
Ethylbenzene	U		0.00137	0.0100	10	04/07/2024 06:31	WG2261980
Isopropylbenzene	0.0229		0.00105	0.0100	10	04/07/2024 06:31	WG2261980
p-Isopropyltoluene	U		0.00120	0.0100	10	04/07/2024 06:31	WG2261980
2-Butanone (MEK)	U		0.0119	0.100	10	04/07/2024 06:31	WG2261980
2-Hexanone	U		0.00787	0.100	10	04/07/2024 06:31	WG2261980
Methylene Chloride	U		0.00430	0.0500	10	04/07/2024 06:31	WG2261980
4-Methyl-2-pentanone (MIBK)	U		0.00478	0.100	10	04/07/2024 06:31	WG2261980
Methyl tert-butyl ether	U		0.00101	0.0100	10	04/07/2024 06:31	WG2261980
Naphthalene	U		0.0100	0.0500	10	04/07/2024 06:31	WG2261980
n-Propylbenzene	0.0302		0.000993	0.0100	10	04/07/2024 06:31	WG2261980
Styrene	U		0.00118	0.0100	10	04/07/2024 06:31	WG2261980
tert-Butyl alcohol	0.0934		0.0406	0.0500	10	04/07/2024 06:31	WG2261980
1,1,1,2-Tetrachloroethane	U		0.00147	0.0100	10	04/07/2024 06:31	WG2261980
1,1,2,2-Tetrachloroethane	U		0.00133	0.0100	10	04/07/2024 06:31	WG2261980
Tetrachloroethene	U		0.00300	0.0100	10	04/07/2024 06:31	WG2261980
Toluene	0.00593	J	0.00278	0.0100	10	04/07/2024 06:31	WG2261980
1,1,1-Trichloroethane	U	J4	0.00149	0.0100	10	04/07/2024 06:31	WG2261980
1,1,2-Trichloroethane	U		0.00158	0.0100	10	04/07/2024 06:31	WG2261980
Trichloroethene	U		0.00190	0.0100	10	04/07/2024 06:31	WG2261980
1,2,4-Trimethylbenzene	U		0.00322	0.0100	10	04/07/2024 06:31	WG2261980
1,3,5-Trimethylbenzene	U		0.00104	0.0100	10	04/07/2024 06:31	WG2261980
Vinyl chloride	U		0.00234	0.0100	10	04/07/2024 06:31	WG2261980
o-Xylene	U		0.00174	0.0100	10	04/07/2024 06:31	WG2261980
m&p-Xylene	U		0.00430	0.0200	10	04/07/2024 06:31	WG2261980
Xylenes, Total	U		0.00174	0.0300	10	04/07/2024 06:31	WG2261980
(S) Toluene-d8	*95.4*			*80.0-120*		*04/07/2024 06:31*	WG2261980
(S) 4-Bromofluorobenzene	*100*			*77.0-126*		*04/07/2024 06:31*	WG2261980
(S) 1,2-Dichloroethane-d4	*123*			*70.0-130*		*04/07/2024 06:31*	WG2261980

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	4.21		0.0247	0.100	1	04/12/2024 12:47	WG2264620
(S) o-Terphenyl	*96.8*			*52.0-156*		*04/12/2024 12:47*	WG2264620

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1200		20.0	1	04/10/2024 15:13	WG2263069

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	173		0.379	1.00	1	04/05/2024 02:00	WG2260717
Fluoride	1.83		0.0640	0.150	1	04/19/2024 10:32	WG2270014
Nitrate	0.203	B	0.0480	0.100	1	04/05/2024 02:00	WG2260717
Nitrite	U		0.0420	0.100	1	04/05/2024 02:00	WG2260717
Sulfate	500		2.97	25.0	5	04/05/2024 07:26	WG2260717

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00401		0.000180	0.00200	1	04/10/2024 17:00	WG2263008
Arsenic,Dissolved	0.00361		0.000180	0.00200	1	04/11/2024 17:13	WG2261160
Barium	0.0302		0.000381	0.00200	1	04/10/2024 17:00	WG2263008
Barium,Dissolved	0.0304		0.000381	0.00200	1	04/11/2024 17:13	WG2261160
Calcium	206		0.0936	1.00	1	04/10/2024 17:00	WG2263008
Chromium	U		0.00124	0.00200	1	04/10/2024 17:00	WG2263008
Chromium,Dissolved	U		0.00124	0.00200	1	04/11/2024 17:13	WG2261160
Iron	U		0.0281	0.100	1	04/10/2024 17:00	WG2263008
Iron,Dissolved	U		0.0281	0.100	1	04/11/2024 17:13	WG2261160
Lead	U		0.000849	0.00200	1	04/10/2024 17:00	WG2263008
Lead,Dissolved	U		0.000849	0.00200	1	04/11/2024 17:13	WG2261160
Manganese	0.0176		0.000704	0.00500	1	04/10/2024 17:00	WG2263008
Manganese,Dissolved	0.0160		0.000704	0.00500	1	04/11/2024 17:13	WG2261160
Potassium	5.21		0.108	2.00	1	04/10/2024 17:00	WG2263008
Selenium	U		0.000300	0.00200	1	04/10/2024 17:00	WG2263008
Selenium,Dissolved	U		0.000300	0.00200	1	04/11/2024 17:13	WG2261160
Sodium	78.4		0.376	2.00	1	04/10/2024 17:00	WG2263008

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.729		0.0314	0.100	1	04/11/2024 05:42	WG2264519
(S) a,a,a-Trifluorotoluene(FID)	*89.9*			*78.0-120*		*04/11/2024 05:42*	WG2264519

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/07/2024 05:04	WG2261980
Benzene	0.0324		0.0000941	0.00100	1	04/07/2024 05:04	WG2261980
Bromodichloromethane	U		0.000136	0.00100	1	04/07/2024 05:04	WG2261980
Bromoform	U		0.000129	0.00100	1	04/07/2024 05:04	WG2261980
Bromomethane	U		0.000605	0.00500	1	04/07/2024 05:04	WG2261980
n-Butylbenzene	U		0.000157	0.00100	1	04/07/2024 05:04	WG2261980
sec-Butylbenzene	0.0382		0.000125	0.00100	1	04/07/2024 05:04	WG2261980
Carbon disulfide	0.000601	J	0.0000962	0.00100	1	04/07/2024 05:04	WG2261980
Carbon tetrachloride	U		0.000128	0.00100	1	04/07/2024 05:04	WG2261980
Chlorobenzene	U		0.000116	0.00100	1	04/07/2024 05:04	WG2261980
Chlorodibromomethane	U		0.000140	0.00100	1	04/07/2024 05:04	WG2261980
Chloroethane	U		0.000192	0.00500	1	04/07/2024 05:04	WG2261980

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloroform	0.0461		0.000111	0.00500	1	04/07/2024 05:04	WG2261980
Chloromethane	U		0.000960	0.00250	1	04/07/2024 05:04	WG2261980
1,2-Dibromoethane	U		0.000126	0.00100	1	04/07/2024 05:04	WG2261980
1,1-Dichloroethane	U		0.000100	0.00100	1	04/07/2024 05:04	WG2261980
1,2-Dichloroethane	U	J4	0.0000819	0.00100	1	04/07/2024 05:04	WG2261980
1,1-Dichloroethene	U		0.000188	0.00100	1	04/07/2024 05:04	WG2261980
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/07/2024 05:04	WG2261980
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/07/2024 05:04	WG2261980
1,2-Dichloropropane	U		0.000149	0.00100	1	04/07/2024 05:04	WG2261980
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/07/2024 05:04	WG2261980
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/07/2024 05:04	WG2261980
Ethylbenzene	0.00149		0.000137	0.00100	1	04/07/2024 05:04	WG2261980
Isopropylbenzene	0.0567		0.000105	0.00100	1	04/07/2024 05:04	WG2261980
p-Isopropyltoluene	U		0.000120	0.00100	1	04/07/2024 05:04	WG2261980
2-Butanone (MEK)	U		0.00119	0.0100	1	04/07/2024 05:04	WG2261980
2-Hexanone	U		0.000787	0.0100	1	04/07/2024 05:04	WG2261980
Methylene Chloride	0.0179		0.000430	0.00500	1	04/07/2024 05:04	WG2261980
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/07/2024 05:04	WG2261980
Methyl tert-butyl ether	0.000698	J	0.000101	0.00100	1	04/07/2024 05:04	WG2261980
Naphthalene	U		0.00100	0.00500	1	04/07/2024 05:04	WG2261980
n-Propylbenzene	0.0160		0.0000993	0.00100	1	04/07/2024 05:04	WG2261980
Styrene	U		0.000118	0.00100	1	04/07/2024 05:04	WG2261980
tert-Butyl alcohol	U		0.00406	0.00500	1	04/07/2024 05:04	WG2261980
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/07/2024 05:04	WG2261980
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/07/2024 05:04	WG2261980
Tetrachloroethene	U		0.000300	0.00100	1	04/07/2024 05:04	WG2261980
Toluene	U		0.000278	0.00100	1	04/07/2024 05:04	WG2261980
1,1,1-Trichloroethane	U	J4	0.000149	0.00100	1	04/07/2024 05:04	WG2261980
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/07/2024 05:04	WG2261980
Trichloroethene	U		0.000190	0.00100	1	04/07/2024 05:04	WG2261980
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/07/2024 05:04	WG2261980
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/07/2024 05:04	WG2261980
Vinyl chloride	U		0.000234	0.00100	1	04/07/2024 05:04	WG2261980
o-Xylene	U		0.000174	0.00100	1	04/07/2024 05:04	WG2261980
m&p-Xylene	U		0.000430	0.00200	1	04/07/2024 05:04	WG2261980
Xylenes, Total	U		0.000174	0.00300	1	04/07/2024 05:04	WG2261980
(S) Toluene-d8	*89.6*			*80.0-120*		*04/07/2024 05:04*	WG2261980
(S) 4-Bromofluorobenzene	*93.3*			*77.0-126*		*04/07/2024 05:04*	WG2261980
(S) 1,2-Dichloroethane-d4	*131*	J1		*70.0-130*		*04/07/2024 05:04*	WG2261980

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1.36		0.0247	0.100	1	04/16/2024 02:36	WG2266475
(S) o-Terphenyl	*92.6*			*52.0-156*		*04/16/2024 02:36*	WG2266475

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1300		50.0	1	04/09/2024 16:58	WG2263011

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	296		3.79	10.0	10	04/05/2024 12:21	WG2260720
Fluoride	0.787		0.0640	0.150	1	04/05/2024 19:58	WG2260720
Nitrate	0.745	Q	0.0480	0.100	1	04/05/2024 19:58	WG2260720
Nitrite	U	Q	0.0420	0.100	1	04/05/2024 19:58	WG2260720
Sulfate	5.30		0.594	5.00	1	04/05/2024 19:58	WG2260720

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0262		0.000180	0.00200	1	04/10/2024 17:04	WG2263008
Arsenic,Dissolved	0.0264		0.000180	0.00200	1	04/11/2024 15:58	WG2261160
Barium	1.94		0.000381	0.00200	1	04/10/2024 17:04	WG2263008
Barium,Dissolved	2.00		0.00190	0.0100	5	04/11/2024 17:36	WG2261160
Calcium	82.5		0.0936	1.00	1	04/10/2024 17:04	WG2263008
Chromium	U		0.00124	0.00200	1	04/10/2024 17:04	WG2263008
Chromium,Dissolved	U		0.00124	0.00200	1	04/11/2024 15:58	WG2261160
Iron	U		0.0281	0.100	1	04/10/2024 17:04	WG2263008
Iron,Dissolved	U		0.0281	0.100	1	04/11/2024 15:58	WG2261160
Lead	U		0.000849	0.00200	1	04/10/2024 17:04	WG2263008
Lead,Dissolved	U		0.000849	0.00200	1	04/11/2024 15:58	WG2261160
Manganese	0.0473		0.000704	0.00500	1	04/10/2024 17:04	WG2263008
Manganese,Dissolved	0.0459		0.000704	0.00500	1	04/11/2024 15:58	WG2261160
Potassium	0.535	J	0.108	2.00	1	04/10/2024 17:04	WG2263008
Selenium	0.000402	J	0.000300	0.00200	1	04/10/2024 17:04	WG2263008
Selenium,Dissolved	0.000607	J	0.000300	0.00200	1	04/11/2024 15:58	WG2261160
Sodium	316		0.376	2.00	1	04/10/2024 17:04	WG2263008

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	79.8		0.785	2.50	25	04/11/2024 08:44	WG2264519
(S) a,a,a-Trifluorotoluene(FID)	*88.6*			*78.0-120*		*04/11/2024 08:44*	WG2264519

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		5.65	25.0	500	04/07/2024 06:53	WG2261980
Benzene	19.6		0.0471	0.500	500	04/07/2024 06:53	WG2261980
Bromodichloromethane	U		0.0680	0.500	500	04/07/2024 06:53	WG2261980
Bromoform	U		0.0645	0.500	500	04/07/2024 06:53	WG2261980
Bromomethane	U		0.303	2.50	500	04/07/2024 06:53	WG2261980
n-Butylbenzene	U		0.0785	0.500	500	04/07/2024 06:53	WG2261980
sec-Butylbenzene	U		0.0625	0.500	500	04/07/2024 06:53	WG2261980
Carbon disulfide	U		0.0481	0.500	500	04/07/2024 06:53	WG2261980
Carbon tetrachloride	U		0.0640	0.500	500	04/07/2024 06:53	WG2261980
Chlorobenzene	U		0.0580	0.500	500	04/07/2024 06:53	WG2261980
Chlorodibromomethane	U		0.0700	0.500	500	04/07/2024 06:53	WG2261980
Chloroethane	U		0.0960	2.50	500	04/07/2024 06:53	WG2261980

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloroform	U		0.0555	2.50	500	04/07/2024 06:53	WG2261980
Chloromethane	U		0.480	1.25	500	04/07/2024 06:53	WG2261980
1,2-Dibromoethane	U		0.0630	0.500	500	04/07/2024 06:53	WG2261980
1,1-Dichloroethane	U		0.0500	0.500	500	04/07/2024 06:53	WG2261980
1,2-Dichloroethane	U	J4	0.0409	0.500	500	04/07/2024 06:53	WG2261980
1,1-Dichloroethene	U		0.0940	0.500	500	04/07/2024 06:53	WG2261980
cis-1,2-Dichloroethene	U		0.0630	0.500	500	04/07/2024 06:53	WG2261980
trans-1,2-Dichloroethene	U		0.0745	0.500	500	04/07/2024 06:53	WG2261980
1,2-Dichloropropane	U		0.0745	0.500	500	04/07/2024 06:53	WG2261980
cis-1,3-Dichloropropene	U		0.0555	0.500	500	04/07/2024 06:53	WG2261980
trans-1,3-Dichloropropene	U		0.0590	0.500	500	04/07/2024 06:53	WG2261980
Ethylbenzene	2.34		0.0685	0.500	500	04/07/2024 06:53	WG2261980
Isopropylbenzene	0.104	J	0.0525	0.500	500	04/07/2024 06:53	WG2261980
p-Isopropyltoluene	U		0.0600	0.500	500	04/07/2024 06:53	WG2261980
2-Butanone (MEK)	U		0.595	5.00	500	04/07/2024 06:53	WG2261980
2-Hexanone	U		0.394	5.00	500	04/07/2024 06:53	WG2261980
Methylene Chloride	U		0.215	2.50	500	04/07/2024 06:53	WG2261980
4-Methyl-2-pentanone (MIBK)	U		0.239	5.00	500	04/07/2024 06:53	WG2261980
Methyl tert-butyl ether	0.309	J	0.0505	0.500	500	04/07/2024 06:53	WG2261980
Naphthalene	0.556	J	0.500	2.50	500	04/07/2024 06:53	WG2261980
n-Propylbenzene	0.153	J	0.0497	0.500	500	04/07/2024 06:53	WG2261980
Styrene	U		0.0590	0.500	500	04/07/2024 06:53	WG2261980
tert-Butyl alcohol	2.40	J	2.03	2.50	500	04/07/2024 06:53	WG2261980
1,1,1,2-Tetrachloroethane	U		0.0735	0.500	500	04/07/2024 06:53	WG2261980
1,1,2,2-Tetrachloroethane	U		0.0665	0.500	500	04/07/2024 06:53	WG2261980
Tetrachloroethene	U		0.150	0.500	500	04/07/2024 06:53	WG2261980
Toluene	9.52		0.139	0.500	500	04/07/2024 06:53	WG2261980
1,1,1-Trichloroethane	U	J4	0.0745	0.500	500	04/07/2024 06:53	WG2261980
1,1,2-Trichloroethane	U		0.0790	0.500	500	04/07/2024 06:53	WG2261980
Trichloroethene	U		0.0950	0.500	500	04/07/2024 06:53	WG2261980
1,2,4-Trimethylbenzene	0.792		0.161	0.500	500	04/07/2024 06:53	WG2261980
1,3,5-Trimethylbenzene	0.194	J	0.0520	0.500	500	04/07/2024 06:53	WG2261980
Vinyl chloride	U		0.117	0.500	500	04/07/2024 06:53	WG2261980
o-Xylene	1.42		0.0870	0.500	500	04/07/2024 06:53	WG2261980
m&p-Xylene	4.67		0.215	1.00	500	04/07/2024 06:53	WG2261980
Xylenes, Total	6.09		0.0870	1.50	500	04/07/2024 06:53	WG2261980
(S) Toluene-d8	*91.6*			*80.0-120*		*04/07/2024 06:53*	WG2261980
(S) 4-Bromofluorobenzene	*88.3*			*77.0-126*		*04/07/2024 06:53*	WG2261980
(S) 1,2-Dichloroethane-d4	*132*	J1		*70.0-130*		*04/07/2024 06:53*	WG2261980

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	7.06		0.0247	0.100	1	04/12/2024 13:27	WG2264620
(S) o-Terphenyl	*83.2*			*52.0-156*		*04/12/2024 13:27*	WG2264620

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1100		25.0	1	04/09/2024 16:58	WG2263011

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	232		1.90	5.00	5	04/05/2024 11:48	WG2260722
Fluoride	1.24		0.0640	0.150	1	04/05/2024 07:17	WG2260722
Nitrate	0.340		0.0480	0.100	1	04/05/2024 07:17	WG2260722
Nitrite	U		0.0420	0.100	1	04/05/2024 07:17	WG2260722
Sulfate	1.31	J	0.594	5.00	1	04/05/2024 07:17	WG2260722

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00624		0.000180	0.00200	1	04/10/2024 17:07	WG2263008
Arsenic,Dissolved	0.00601		0.000180	0.00200	1	04/11/2024 17:16	WG2261160
Barium	1.76		0.000381	0.00200	1	04/10/2024 17:07	WG2263008
Barium,Dissolved	1.69		0.000381	0.00200	1	04/11/2024 17:16	WG2261160
Calcium	117		0.0936	1.00	1	04/10/2024 17:07	WG2263008
Chromium	U		0.00124	0.00200	1	04/10/2024 17:07	WG2263008
Chromium,Dissolved	U		0.00124	0.00200	1	04/11/2024 17:16	WG2261160
Iron	0.893		0.0281	0.100	1	04/10/2024 17:07	WG2263008
Iron,Dissolved	0.684		0.0281	0.100	1	04/11/2024 17:16	WG2261160
Lead	U		0.000849	0.00200	1	04/10/2024 17:07	WG2263008
Lead,Dissolved	U		0.000849	0.00200	1	04/11/2024 17:16	WG2261160
Manganese	0.363		0.000704	0.00500	1	04/10/2024 17:07	WG2263008
Manganese,Dissolved	0.352		0.000704	0.00500	1	04/11/2024 17:16	WG2261160
Potassium	0.496	J	0.108	2.00	1	04/10/2024 17:07	WG2263008
Selenium	U		0.000300	0.00200	1	04/10/2024 17:07	WG2263008
Selenium,Dissolved	U		0.000300	0.00200	1	04/11/2024 17:16	WG2261160
Sodium	214		0.376	2.00	1	04/10/2024 17:07	WG2263008

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	3.23		0.0314	0.100	1	04/11/2024 06:05	WG2264519
(S) a,a,a-Trifluorotoluene(FID)	*92.8*			*78.0-120*		*04/11/2024 06:05*	WG2264519

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.282	1.25	25	04/07/2024 07:15	WG2261980
Benzene	0.319		0.00235	0.0250	25	04/07/2024 07:15	WG2261980
Bromodichloromethane	U		0.00340	0.0250	25	04/07/2024 07:15	WG2261980
Bromoform	U		0.00322	0.0250	25	04/07/2024 07:15	WG2261980
Bromomethane	U		0.0151	0.125	25	04/07/2024 07:15	WG2261980
n-Butylbenzene	U		0.00393	0.0250	25	04/07/2024 07:15	WG2261980
sec-Butylbenzene	0.00789	J	0.00313	0.0250	25	04/07/2024 07:15	WG2261980
Carbon disulfide	U		0.00241	0.0250	25	04/07/2024 07:15	WG2261980
Carbon tetrachloride	U		0.00320	0.0250	25	04/07/2024 07:15	WG2261980
Chlorobenzene	U		0.00290	0.0250	25	04/07/2024 07:15	WG2261980
Chlorodibromomethane	U		0.00350	0.0250	25	04/07/2024 07:15	WG2261980
Chloroethane	U		0.00480	0.125	25	04/07/2024 07:15	WG2261980

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloroform	0.00381	J	0.00278	0.125	25	04/07/2024 07:15	WG2261980
Chloromethane	U		0.0240	0.0625	25	04/07/2024 07:15	WG2261980
1,2-Dibromoethane	U		0.00315	0.0250	25	04/07/2024 07:15	WG2261980
1,1-Dichloroethane	U		0.00250	0.0250	25	04/07/2024 07:15	WG2261980
1,2-Dichloroethane	U	J4	0.00205	0.0250	25	04/07/2024 07:15	WG2261980
1,1-Dichloroethene	U		0.00470	0.0250	25	04/07/2024 07:15	WG2261980
cis-1,2-Dichloroethene	U		0.00315	0.0250	25	04/07/2024 07:15	WG2261980
trans-1,2-Dichloroethene	U		0.00373	0.0250	25	04/07/2024 07:15	WG2261980
1,2-Dichloropropane	U		0.00373	0.0250	25	04/07/2024 07:15	WG2261980
cis-1,3-Dichloropropene	U		0.00278	0.0250	25	04/07/2024 07:15	WG2261980
trans-1,3-Dichloropropene	U		0.00295	0.0250	25	04/07/2024 07:15	WG2261980
Ethylbenzene	0.00582	J	0.00343	0.0250	25	04/07/2024 07:15	WG2261980
Isopropylbenzene	0.0374		0.00263	0.0250	25	04/07/2024 07:15	WG2261980
p-Isopropyltoluene	U		0.00300	0.0250	25	04/07/2024 07:15	WG2261980
2-Butanone (MEK)	U		0.0298	0.250	25	04/07/2024 07:15	WG2261980
2-Hexanone	U		0.0197	0.250	25	04/07/2024 07:15	WG2261980
Methylene Chloride	U		0.0107	0.125	25	04/07/2024 07:15	WG2261980
4-Methyl-2-pentanone (MIBK)	U		0.0120	0.250	25	04/07/2024 07:15	WG2261980
Methyl tert-butyl ether	0.800		0.00253	0.0250	25	04/07/2024 07:15	WG2261980
Naphthalene	0.110	J	0.0250	0.125	25	04/07/2024 07:15	WG2261980
n-Propylbenzene	0.0372		0.00248	0.0250	25	04/07/2024 07:15	WG2261980
Styrene	U		0.00295	0.0250	25	04/07/2024 07:15	WG2261980
tert-Butyl alcohol	1.10		0.102	0.125	25	04/07/2024 07:15	WG2261980
1,1,1,2-Tetrachloroethane	U		0.00368	0.0250	25	04/07/2024 07:15	WG2261980
1,1,2,2-Tetrachloroethane	U		0.00333	0.0250	25	04/07/2024 07:15	WG2261980
Tetrachloroethene	U		0.00750	0.0250	25	04/07/2024 07:15	WG2261980
Toluene	0.00803	J	0.00695	0.0250	25	04/07/2024 07:15	WG2261980
1,1,1-Trichloroethane	U	J4	0.00373	0.0250	25	04/07/2024 07:15	WG2261980
1,1,2-Trichloroethane	U		0.00395	0.0250	25	04/07/2024 07:15	WG2261980
Trichloroethene	U		0.00475	0.0250	25	04/07/2024 07:15	WG2261980
1,2,4-Trimethylbenzene	U		0.00805	0.0250	25	04/07/2024 07:15	WG2261980
1,3,5-Trimethylbenzene	U		0.00260	0.0250	25	04/07/2024 07:15	WG2261980
Vinyl chloride	U		0.00585	0.0250	25	04/07/2024 07:15	WG2261980
o-Xylene	U		0.00435	0.0250	25	04/07/2024 07:15	WG2261980
m&p-Xylene	U		0.0107	0.0500	25	04/07/2024 07:15	WG2261980
Xylenes, Total	U		0.00435	0.0750	25	04/07/2024 07:15	WG2261980
(S) Toluene-d8	*105*			*80.0-120*		*04/07/2024 07:15*	WG2261980
(S) 4-Bromofluorobenzene	*92.0*			*77.0-126*		*04/07/2024 07:15*	WG2261980
(S) 1,2-Dichloroethane-d4	*125*			*70.0-130*		*04/07/2024 07:15*	WG2261980

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	4.86		0.0247	0.100	1	04/16/2024 02:56	WG2266475
(S) o-Terphenyl	*84.2*			*52.0-156*		*04/16/2024 02:56*	WG2266475

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1370		25.0	1	04/09/2024 16:58	WG2263011

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	153		1.90	5.00	5	04/05/2024 12:04	WG2260722
Fluoride	0.752		0.0640	0.150	1	04/05/2024 07:34	WG2260722
Nitrate	U		0.0480	0.100	1	04/05/2024 07:34	WG2260722
Nitrite	U		0.0420	0.100	1	04/05/2024 07:34	WG2260722
Sulfate	362		2.97	25.0	5	04/05/2024 12:04	WG2260722

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00420		0.000180	0.00200	1	04/10/2024 17:10	WG2263008
Arsenic,Dissolved	0.00454		0.000180	0.00200	1	04/11/2024 17:19	WG2261160
Barium	0.128		0.000381	0.00200	1	04/10/2024 17:10	WG2263008
Barium,Dissolved	0.134		0.000381	0.00200	1	04/11/2024 17:19	WG2261160
Calcium	187		0.0936	1.00	1	04/10/2024 17:10	WG2263008
Chromium	0.00194	J	0.00124	0.00200	1	04/10/2024 17:10	WG2263008
Chromium,Dissolved	0.00140	J	0.00124	0.00200	1	04/11/2024 17:19	WG2261160
Iron	0.0386	J	0.0281	0.100	1	04/10/2024 17:10	WG2263008
Iron,Dissolved	U		0.0281	0.100	1	04/11/2024 17:19	WG2261160
Lead	0.000898	J	0.000849	0.00200	1	04/10/2024 17:10	WG2263008
Lead,Dissolved	U		0.000849	0.00200	1	04/11/2024 17:19	WG2261160
Manganese	0.171		0.000704	0.00500	1	04/10/2024 17:10	WG2263008
Manganese,Dissolved	0.162		0.000704	0.00500	1	04/11/2024 17:19	WG2261160
Potassium	0.903	J	0.108	2.00	1	04/10/2024 17:10	WG2263008
Selenium	U		0.000300	0.00200	1	04/10/2024 17:10	WG2263008
Selenium,Dissolved	U		0.000300	0.00200	1	04/11/2024 17:19	WG2261160
Sodium	113		0.376	2.00	1	04/10/2024 17:10	WG2263008

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/07/2024 01:02	WG2262010
Benzene	0.0493		0.0000941	0.00100	1	04/07/2024 01:02	WG2262010
Bromodichloromethane	U		0.000136	0.00100	1	04/07/2024 01:02	WG2262010
Bromoform	U		0.000129	0.00100	1	04/07/2024 01:02	WG2262010
Bromomethane	U		0.000605	0.00500	1	04/07/2024 01:02	WG2262010
n-Butylbenzene	0.00323		0.000157	0.00100	1	04/07/2024 01:02	WG2262010
sec-Butylbenzene	0.00919		0.000125	0.00100	1	04/07/2024 01:02	WG2262010
Carbon disulfide	0.00345		0.0000962	0.00100	1	04/07/2024 01:02	WG2262010
Carbon tetrachloride	U		0.000128	0.00100	1	04/07/2024 01:02	WG2262010
Chlorobenzene	U		0.000116	0.00100	1	04/07/2024 01:02	WG2262010
Chlorodibromomethane	U		0.000140	0.00100	1	04/07/2024 01:02	WG2262010
Chloroethane	U		0.000192	0.00500	1	04/07/2024 01:02	WG2262010
Chloroform	U		0.000111	0.00500	1	04/07/2024 01:02	WG2262010
Chloromethane	U		0.000960	0.00250	1	04/07/2024 01:02	WG2262010
1,2-Dibromoethane	U		0.000126	0.00100	1	04/07/2024 01:02	WG2262010
1,1-Dichloroethane	U		0.000100	0.00100	1	04/07/2024 01:02	WG2262010
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/07/2024 01:02	WG2262010
1,1-Dichloroethene	U		0.000188	0.00100	1	04/07/2024 01:02	WG2262010
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/07/2024 01:02	WG2262010

RW-4
Collected date/time: 04/03/24 11:20
L1722286

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/07/2024 01:02	WG2262010
1,2-Dichloropropane	U		0.000149	0.00100	1	04/07/2024 01:02	WG2262010
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/07/2024 01:02	WG2262010
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/07/2024 01:02	WG2262010
Ethylbenzene	0.0209		0.000137	0.00100	1	04/07/2024 01:02	WG2262010
Isopropylbenzene	0.0311		0.000105	0.00100	1	04/07/2024 01:02	WG2262010
p-Isopropyltoluene	0.000721	J	0.000120	0.00100	1	04/07/2024 01:02	WG2262010
2-Butanone (MEK)	U		0.00119	0.0100	1	04/07/2024 01:02	WG2262010
2-Hexanone	U		0.000787	0.0100	1	04/07/2024 01:02	WG2262010
Methylene Chloride	U		0.000430	0.00500	1	04/07/2024 01:02	WG2262010
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/07/2024 01:02	WG2262010
Methyl tert-butyl ether	0.0350		0.000101	0.00100	1	04/07/2024 01:02	WG2262010
Naphthalene	0.00300	J J4	0.00100	0.00500	1	04/07/2024 01:02	WG2262010
n-Propylbenzene	0.0340		0.0000993	0.00100	1	04/07/2024 01:02	WG2262010
Styrene	U		0.000118	0.00100	1	04/07/2024 01:02	WG2262010
tert-Butyl alcohol	0.0157		0.00406	0.00500	1	04/07/2024 01:02	WG2262010
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/07/2024 01:02	WG2262010
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/07/2024 01:02	WG2262010
Tetrachloroethene	U		0.000300	0.00100	1	04/07/2024 01:02	WG2262010
Toluene	0.00122		0.000278	0.00100	1	04/07/2024 01:02	WG2262010
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/07/2024 01:02	WG2262010
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/07/2024 01:02	WG2262010
Trichloroethene	U		0.000190	0.00100	1	04/07/2024 01:02	WG2262010
1,2,4-Trimethylbenzene	0.0101		0.000322	0.00100	1	04/07/2024 01:02	WG2262010
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/07/2024 01:02	WG2262010
Vinyl chloride	U		0.000234	0.00100	1	04/07/2024 01:02	WG2262010
o-Xylene	0.000509	J	0.000174	0.00100	1	04/07/2024 01:02	WG2262010
m&p-Xylene	0.0151		0.000430	0.00200	1	04/07/2024 01:02	WG2262010
Xylenes, Total	0.0156		0.000174	0.00300	1	04/07/2024 01:02	WG2262010
(S) Toluene-d8	*103*			*80.0-120*		*04/07/2024 01:02*	WG2262010
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*04/07/2024 01:02*	WG2262010
(S) 1,2-Dichloroethane-d4	*99.2*			*70.0-130*		*04/07/2024 01:02*	WG2262010

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1.43		0.0247	0.100	1	04/13/2024 14:42	WG2264620
(S) o-Terphenyl	*90.0*			*52.0-156*		*04/13/2024 14:42*	WG2264620

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3920		50.0	1	04/09/2024 16:58	WG2263011

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	290		3.79	10.0	10	04/05/2024 21:23	WG2260726
Fluoride	1.83		0.640	1.50	10	04/05/2024 21:23	WG2260726
Nitrate	U	Q	0.480	1.00	10	04/05/2024 21:23	WG2260726
Nitrite	U	Q	0.420	1.00	10	04/05/2024 21:23	WG2260726
Sulfate	1890		59.4	500	100	04/05/2024 21:38	WG2260726

Sample Narrative:

L1722286-60 WG2260726: Dilution due to matrix.

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	04/06/2024 19:29	WG2261019
Mercury,Dissolved	U		0.000100	0.000200	1	04/08/2024 20:06	WG2262313

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.234		0.0200	0.200	1	04/09/2024 20:31	WG2262487
Boron,Dissolved	0.232		0.0200	0.200	1	04/09/2024 16:34	WG2261155

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00271		0.000180	0.00200	1	04/10/2024 17:14	WG2263008
Arsenic,Dissolved	0.00292		0.000180	0.00200	1	04/11/2024 17:23	WG2261160
Barium	0.00909		0.000381	0.00200	1	04/10/2024 17:14	WG2263008
Barium,Dissolved	0.00832		0.000381	0.00200	1	04/11/2024 17:23	WG2261160
Cadmium	U		0.000150	0.00100	1	04/10/2024 17:14	WG2263008
Cadmium,Dissolved	U		0.000150	0.00100	1	04/11/2024 17:23	WG2261160
Calcium	544		0.0936	1.00	1	04/10/2024 17:14	WG2263008
Chromium	U		0.00124	0.00200	1	04/10/2024 17:14	WG2263008
Chromium,Dissolved	U		0.00124	0.00200	1	04/11/2024 17:23	WG2261160
Cobalt	0.00262		0.0000596	0.00200	1	04/10/2024 17:14	WG2263008
Cobalt,Dissolved	0.00237		0.0000596	0.00200	1	04/11/2024 17:23	WG2261160
Iron	U		0.0281	0.100	1	04/10/2024 17:14	WG2263008
Iron,Dissolved	U		0.0281	0.100	1	04/11/2024 17:23	WG2261160
Lead	U		0.000849	0.00200	1	04/10/2024 17:14	WG2263008
Lead,Dissolved	U		0.000849	0.00200	1	04/11/2024 17:23	WG2261160
Manganese	0.0341		0.000704	0.00500	1	04/10/2024 17:14	WG2263008
Manganese,Dissolved	0.0311		0.000704	0.00500	1	04/11/2024 17:23	WG2261160
Nickel	0.00239		0.000816	0.00200	1	04/10/2024 17:14	WG2263008
Nickel,Dissolved	0.00245		0.000816	0.00200	1	04/11/2024 17:23	WG2261160
Potassium	1.14	J	0.108	2.00	1	04/10/2024 17:14	WG2263008
Selenium	0.00437		0.000300	0.00200	1	04/10/2024 17:14	WG2263008
Selenium,Dissolved	0.00414		0.000300	0.00200	1	04/11/2024 17:23	WG2261160
Sodium	158		0.376	2.00	1	04/10/2024 17:14	WG2263008
Uranium	0.0318		0.0000789	0.00100	1	04/10/2024 17:14	WG2263008
Uranium,Dissolved	0.0293		0.0000789	0.00100	1	04/11/2024 17:23	WG2261160

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Vanadium	0.0133		0.000664	0.00500	1	04/10/2024 17:14	WG2263008
Vanadium,Dissolved	0.0123		0.000664	0.00500	1	04/11/2024 17:23	WG2261160

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.106		0.0314	0.100	1	04/11/2024 06:28	WG2264519
(S) a,a,a-Trifluorotoluene(FID)	*86.8*			*78.0-120*		*04/11/2024 06:28*	WG2264519

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/07/2024 01:23	WG2262010
Benzene	U		0.0000941	0.00100	1	04/07/2024 01:23	WG2262010
Bromodichloromethane	U		0.000136	0.00100	1	04/07/2024 01:23	WG2262010
Bromoform	U		0.000129	0.00100	1	04/07/2024 01:23	WG2262010
Bromomethane	U		0.000605	0.00500	1	04/07/2024 01:23	WG2262010
n-Butylbenzene	U		0.000157	0.00100	1	04/07/2024 01:23	WG2262010
sec-Butylbenzene	U		0.000125	0.00100	1	04/07/2024 01:23	WG2262010
Carbon disulfide	0.000339	B J	0.0000962	0.00100	1	04/07/2024 01:23	WG2262010
Carbon tetrachloride	U		0.000128	0.00100	1	04/07/2024 01:23	WG2262010
Chlorobenzene	U		0.000116	0.00100	1	04/07/2024 01:23	WG2262010
Chlorodibromomethane	U		0.000140	0.00100	1	04/07/2024 01:23	WG2262010
Chloroethane	U		0.000192	0.00500	1	04/07/2024 01:23	WG2262010
Chloroform	U		0.000111	0.00500	1	04/07/2024 01:23	WG2262010
Chloromethane	U		0.000960	0.00250	1	04/07/2024 01:23	WG2262010
1,2-Dibromoethane	U		0.000126	0.00100	1	04/07/2024 01:23	WG2262010
1,1-Dichloroethane	U		0.000100	0.00100	1	04/07/2024 01:23	WG2262010
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/07/2024 01:23	WG2262010
1,1-Dichloroethene	U		0.000188	0.00100	1	04/07/2024 01:23	WG2262010
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/07/2024 01:23	WG2262010
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/07/2024 01:23	WG2262010
1,2-Dichloropropane	U		0.000149	0.00100	1	04/07/2024 01:23	WG2262010
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/07/2024 01:23	WG2262010
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/07/2024 01:23	WG2262010
Ethylbenzene	U		0.000137	0.00100	1	04/07/2024 01:23	WG2262010
Isopropylbenzene	0.000105	J	0.000105	0.00100	1	04/07/2024 01:23	WG2262010
p-Isopropyltoluene	U		0.000120	0.00100	1	04/07/2024 01:23	WG2262010
2-Butanone (MEK)	U		0.00119	0.0100	1	04/07/2024 01:23	WG2262010
2-Hexanone	U		0.000787	0.0100	1	04/07/2024 01:23	WG2262010
Methylene Chloride	U		0.000430	0.00500	1	04/07/2024 01:23	WG2262010
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/07/2024 01:23	WG2262010
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/07/2024 01:23	WG2262010
Naphthalene	U	J4	0.00100	0.00500	1	04/07/2024 01:23	WG2262010
n-Propylbenzene	0.000128	J	0.0000993	0.00100	1	04/07/2024 01:23	WG2262010
Styrene	U		0.000118	0.00100	1	04/07/2024 01:23	WG2262010
tert-Butyl alcohol	U		0.00406	0.00500	1	04/07/2024 01:23	WG2262010
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/07/2024 01:23	WG2262010
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/07/2024 01:23	WG2262010
Tetrachloroethene	U		0.000300	0.00100	1	04/07/2024 01:23	WG2262010
Toluene	U		0.000278	0.00100	1	04/07/2024 01:23	WG2262010
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/07/2024 01:23	WG2262010
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/07/2024 01:23	WG2262010
Trichloroethene	U		0.000190	0.00100	1	04/07/2024 01:23	WG2262010
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/07/2024 01:23	WG2262010

MW-11C
Collected date/time: 04/03/24 13:15
L1722286

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/07/2024 01:23	WG2262010
Vinyl chloride	U		0.000234	0.00100	1	04/07/2024 01:23	WG2262010
o-Xylene	U		0.000174	0.00100	1	04/07/2024 01:23	WG2262010
m&p-Xylene	U		0.000430	0.00200	1	04/07/2024 01:23	WG2262010
Xylenes, Total	U		0.000174	0.00300	1	04/07/2024 01:23	WG2262010
(S) Toluene-d8	*106*			*80.0-120*		*04/07/2024 01:23*	WG2262010
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*04/07/2024 01:23*	WG2262010
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*04/07/2024 01:23*	WG2262010

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) High Fraction	0.103		0.0247	0.100	1	04/13/2024 13:01	WG2264620
(S) o-Terphenyl	*83.7*			*52.0-156*		*04/13/2024 13:01*	WG2264620

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2150		50.0	1	04/09/2024 16:58	WG2263011

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	35.4		0.379	1.00	1	04/05/2024 07:51	WG2260722
Fluoride	1.76		0.0640	0.150	1	04/05/2024 07:51	WG2260722
Nitrate	U		0.0480	0.100	1	04/05/2024 07:51	WG2260722
Nitrite	U		0.0420	0.100	1	04/05/2024 07:51	WG2260722
Sulfate	1220		11.9	100	20	04/05/2024 12:55	WG2260722

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00241		0.000180	0.00200	1	04/10/2024 17:28	WG2263008
Arsenic,Dissolved	0.00253		0.000180	0.00200	1	04/11/2024 17:26	WG2261160
Barium	0.0147		0.000381	0.00200	1	04/10/2024 17:28	WG2263008
Barium,Dissolved	0.0128		0.000381	0.00200	1	04/11/2024 17:26	WG2261160
Calcium	333		0.0936	1.00	1	04/10/2024 17:28	WG2263008
Chromium	U		0.00124	0.00200	1	04/10/2024 17:28	WG2263008
Chromium,Dissolved	U		0.00124	0.00200	1	04/11/2024 17:26	WG2261160
Iron	0.0799	J	0.0281	0.100	1	04/10/2024 17:28	WG2263008
Iron,Dissolved	U		0.0281	0.100	1	04/11/2024 17:26	WG2261160
Lead	U		0.000849	0.00200	1	04/10/2024 17:28	WG2263008
Lead,Dissolved	U		0.000849	0.00200	1	04/11/2024 17:26	WG2261160
Manganese	0.0386		0.000704	0.00500	1	04/10/2024 17:28	WG2263008
Manganese,Dissolved	0.0273		0.000704	0.00500	1	04/11/2024 17:26	WG2261160
Potassium	0.461	J	0.108	2.00	1	04/10/2024 17:28	WG2263008
Selenium	0.00499		0.000300	0.00200	1	04/10/2024 17:28	WG2263008
Selenium,Dissolved	0.00536		0.000300	0.00200	1	04/11/2024 17:26	WG2261160
Sodium	102		0.376	2.00	1	04/10/2024 17:28	WG2263008

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/07/2024 01:45	WG2262010
Benzene	U		0.0000941	0.00100	1	04/07/2024 01:45	WG2262010
Bromodichloromethane	U		0.000136	0.00100	1	04/07/2024 01:45	WG2262010
Bromoform	U		0.000129	0.00100	1	04/07/2024 01:45	WG2262010
Bromomethane	U		0.000605	0.00500	1	04/07/2024 01:45	WG2262010
n-Butylbenzene	U		0.000157	0.00100	1	04/07/2024 01:45	WG2262010
sec-Butylbenzene	U		0.000125	0.00100	1	04/07/2024 01:45	WG2262010
Carbon disulfide	0.000258	B J	0.0000962	0.00100	1	04/07/2024 01:45	WG2262010
Carbon tetrachloride	U		0.000128	0.00100	1	04/07/2024 01:45	WG2262010
Chlorobenzene	U		0.000116	0.00100	1	04/07/2024 01:45	WG2262010
Chlorodibromomethane	U		0.000140	0.00100	1	04/07/2024 01:45	WG2262010
Chloroethane	U		0.000192	0.00500	1	04/07/2024 01:45	WG2262010
Chloroform	U		0.000111	0.00500	1	04/07/2024 01:45	WG2262010
Chloromethane	U		0.000960	0.00250	1	04/07/2024 01:45	WG2262010
1,2-Dibromoethane	U		0.000126	0.00100	1	04/07/2024 01:45	WG2262010
1,1-Dichloroethane	U		0.000100	0.00100	1	04/07/2024 01:45	WG2262010
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/07/2024 01:45	WG2262010
1,1-Dichloroethene	U		0.000188	0.00100	1	04/07/2024 01:45	WG2262010
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/07/2024 01:45	WG2262010

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/07/2024 01:45	WG2262010
1,2-Dichloropropane	U		0.000149	0.00100	1	04/07/2024 01:45	WG2262010
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/07/2024 01:45	WG2262010
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/07/2024 01:45	WG2262010
Ethylbenzene	U		0.000137	0.00100	1	04/07/2024 01:45	WG2262010
Isopropylbenzene	U		0.000105	0.00100	1	04/07/2024 01:45	WG2262010
p-Isopropyltoluene	U		0.000120	0.00100	1	04/07/2024 01:45	WG2262010
2-Butanone (MEK)	U		0.00119	0.0100	1	04/07/2024 01:45	WG2262010
2-Hexanone	U		0.000787	0.0100	1	04/07/2024 01:45	WG2262010
Methylene Chloride	U		0.000430	0.00500	1	04/07/2024 01:45	WG2262010
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/07/2024 01:45	WG2262010
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/07/2024 01:45	WG2262010
Naphthalene	U	J4	0.00100	0.00500	1	04/07/2024 01:45	WG2262010
n-Propylbenzene	U		0.0000993	0.00100	1	04/07/2024 01:45	WG2262010
Styrene	U		0.000118	0.00100	1	04/07/2024 01:45	WG2262010
tert-Butyl alcohol	U		0.00406	0.00500	1	04/07/2024 01:45	WG2262010
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/07/2024 01:45	WG2262010
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/07/2024 01:45	WG2262010
Tetrachloroethene	U		0.000300	0.00100	1	04/07/2024 01:45	WG2262010
Toluene	U		0.000278	0.00100	1	04/07/2024 01:45	WG2262010
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/07/2024 01:45	WG2262010
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/07/2024 01:45	WG2262010
Trichloroethene	U		0.000190	0.00100	1	04/07/2024 01:45	WG2262010
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/07/2024 01:45	WG2262010
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/07/2024 01:45	WG2262010
Vinyl chloride	U		0.000234	0.00100	1	04/07/2024 01:45	WG2262010
o-Xylene	U		0.000174	0.00100	1	04/07/2024 01:45	WG2262010
m&p-Xylene	U		0.000430	0.00200	1	04/07/2024 01:45	WG2262010
Xylenes, Total	U		0.000174	0.00300	1	04/07/2024 01:45	WG2262010
(S) Toluene-d8	*103*			*80.0-120*		*04/07/2024 01:45*	WG2262010
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*04/07/2024 01:45*	WG2262010
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*04/07/2024 01:45*	WG2262010

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.171	B J3	0.0247	0.100	1	04/17/2024 02:52	WG2268082
(S) o-Terphenyl	*67.4*			*52.0-156*		*04/17/2024 02:52*	WG2268082

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 23:16	WG2262010
Benzene	U		0.0000941	0.00100	1	04/06/2024 23:16	WG2262010
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 23:16	WG2262010
Bromoform	U		0.000129	0.00100	1	04/06/2024 23:16	WG2262010
Bromomethane	U		0.000605	0.00500	1	04/06/2024 23:16	WG2262010
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 23:16	WG2262010
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2024 23:16	WG2262010
Carbon disulfide	U		0.0000962	0.00100	1	04/06/2024 23:16	WG2262010
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 23:16	WG2262010
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 23:16	WG2262010
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 23:16	WG2262010
Chloroethane	U		0.000192	0.00500	1	04/06/2024 23:16	WG2262010
Chloroform	U		0.000111	0.00500	1	04/06/2024 23:16	WG2262010
Chloromethane	U		0.000960	0.00250	1	04/06/2024 23:16	WG2262010
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 23:16	WG2262010
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 23:16	WG2262010
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 23:16	WG2262010
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 23:16	WG2262010
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 23:16	WG2262010
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 23:16	WG2262010
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 23:16	WG2262010
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 23:16	WG2262010
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 23:16	WG2262010
Ethylbenzene	U		0.000137	0.00100	1	04/06/2024 23:16	WG2262010
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2024 23:16	WG2262010
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 23:16	WG2262010
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 23:16	WG2262010
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 23:16	WG2262010
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 23:16	WG2262010
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 23:16	WG2262010
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/06/2024 23:16	WG2262010
Naphthalene	U	J4	0.00100	0.00500	1	04/06/2024 23:16	WG2262010
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2024 23:16	WG2262010
Styrene	U		0.000118	0.00100	1	04/06/2024 23:16	WG2262010
tert-Butyl alcohol	U		0.00406	0.00500	1	04/06/2024 23:16	WG2262010
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 23:16	WG2262010
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 23:16	WG2262010
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 23:16	WG2262010
Toluene	U		0.000278	0.00100	1	04/06/2024 23:16	WG2262010
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 23:16	WG2262010
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 23:16	WG2262010
Trichloroethene	U		0.000190	0.00100	1	04/06/2024 23:16	WG2262010
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2024 23:16	WG2262010
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2024 23:16	WG2262010
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 23:16	WG2262010
o-Xylene	U		0.000174	0.00100	1	04/06/2024 23:16	WG2262010
m&p-Xylene	U		0.000430	0.00200	1	04/06/2024 23:16	WG2262010
Xylenes, Total	U		0.000174	0.00300	1	04/06/2024 23:16	WG2262010
(S) Toluene-d8	*109*			*80.0-120*		*04/06/2024 23:16*	WG2262010
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*04/06/2024 23:16*	WG2262010
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*04/06/2024 23:16*	WG2262010

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1300		20.0	1	04/10/2024 15:13	WG2263069

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	26.0		0.379	1.00	1	04/05/2024 05:39	WG2260715
Fluoride	1.48		0.0640	0.150	1	04/05/2024 05:39	WG2260715
Nitrate	U		0.0480	0.100	1	04/05/2024 05:39	WG2260715
Nitrite	U		0.0420	0.100	1	04/05/2024 05:39	WG2260715
Sulfate	619		5.94	50.0	10	04/05/2024 08:53	WG2260715

Sample Narrative:

L1722286-63 WG2260715: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0292		0.000180	0.00200	1	04/10/2024 17:31	WG2263008
Arsenic,Dissolved	0.0298		0.000180	0.00200	1	04/11/2024 20:41	WG2261161
Barium	0.0235		0.000381	0.00200	1	04/10/2024 17:31	WG2263008
Barium,Dissolved	0.0237		0.000381	0.00200	1	04/11/2024 20:41	WG2261161
Calcium	135		0.0936	1.00	1	04/10/2024 17:31	WG2263008
Chromium	0.110		0.00124	0.00200	1	04/10/2024 17:31	WG2263008
Chromium,Dissolved	0.00466		0.00124	0.00200	1	04/11/2024 20:41	WG2261161
Iron	0.149		0.0281	0.100	1	04/10/2024 17:31	WG2263008
Iron,Dissolved	0.0810	J	0.0281	0.100	1	04/11/2024 20:41	WG2261161
Lead	U		0.000849	0.00200	1	04/10/2024 17:31	WG2263008
Lead,Dissolved	U		0.000849	0.00200	1	04/11/2024 20:41	WG2261161
Manganese	0.520		0.000704	0.00500	1	04/10/2024 17:31	WG2263008
Manganese,Dissolved	0.466		0.000704	0.00500	1	04/11/2024 20:41	WG2261161
Potassium	0.438	J	0.108	2.00	1	04/10/2024 17:31	WG2263008
Selenium	U		0.000300	0.00200	1	04/10/2024 17:31	WG2263008
Selenium,Dissolved	U		0.000300	0.00200	1	04/11/2024 20:41	WG2261161
Sodium	195		0.376	2.00	1	04/10/2024 17:31	WG2263008

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.581		0.0314	0.100	1	04/11/2024 06:51	WG2264519
(S) a,a,a-Trifluorotoluene(FID)	*93.3*			*78.0-120*		*04/11/2024 06:51*	WG2264519

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/07/2024 02:06	WG2262010
Benzene	U		0.0000941	0.00100	1	04/07/2024 02:06	WG2262010
Bromodichloromethane	U		0.000136	0.00100	1	04/07/2024 02:06	WG2262010
Bromoform	U		0.000129	0.00100	1	04/07/2024 02:06	WG2262010
Bromomethane	U		0.000605	0.00500	1	04/07/2024 02:06	WG2262010
n-Butylbenzene	U		0.000157	0.00100	1	04/07/2024 02:06	WG2262010
sec-Butylbenzene	0.0109		0.000125	0.00100	1	04/07/2024 02:06	WG2262010
Carbon disulfide	0.000264	B J	0.0000962	0.00100	1	04/07/2024 02:06	WG2262010
Carbon tetrachloride	U		0.000128	0.00100	1	04/07/2024 02:06	WG2262010

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.000116	0.00100	1	04/07/2024 02:06	WG2262010
Chlorodibromomethane	U		0.000140	0.00100	1	04/07/2024 02:06	WG2262010
Chloroethane	U		0.000192	0.00500	1	04/07/2024 02:06	WG2262010
Chloroform	U		0.000111	0.00500	1	04/07/2024 02:06	WG2262010
Chloromethane	U		0.000960	0.00250	1	04/07/2024 02:06	WG2262010
1,2-Dibromoethane	U		0.000126	0.00100	1	04/07/2024 02:06	WG2262010
1,1-Dichloroethane	U		0.000100	0.00100	1	04/07/2024 02:06	WG2262010
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/07/2024 02:06	WG2262010
1,1-Dichloroethene	U		0.000188	0.00100	1	04/07/2024 02:06	WG2262010
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/07/2024 02:06	WG2262010
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/07/2024 02:06	WG2262010
1,2-Dichloropropane	U		0.000149	0.00100	1	04/07/2024 02:06	WG2262010
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/07/2024 02:06	WG2262010
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/07/2024 02:06	WG2262010
Ethylbenzene	0.000840	J	0.000137	0.00100	1	04/07/2024 02:06	WG2262010
Isopropylbenzene	0.0112		0.000105	0.00100	1	04/07/2024 02:06	WG2262010
p-Isopropyltoluene	U		0.000120	0.00100	1	04/07/2024 02:06	WG2262010
2-Butanone (MEK)	U		0.00119	0.0100	1	04/07/2024 02:06	WG2262010
2-Hexanone	U		0.000787	0.0100	1	04/07/2024 02:06	WG2262010
Methylene Chloride	U		0.000430	0.00500	1	04/07/2024 02:06	WG2262010
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/07/2024 02:06	WG2262010
Methyl tert-butyl ether	0.000332	J	0.000101	0.00100	1	04/07/2024 02:06	WG2262010
Naphthalene	0.00107	J J4	0.00100	0.00500	1	04/07/2024 02:06	WG2262010
n-Propylbenzene	0.00407		0.0000993	0.00100	1	04/07/2024 02:06	WG2262010
Styrene	U		0.000118	0.00100	1	04/07/2024 02:06	WG2262010
tert-Butyl alcohol	0.0100		0.00406	0.00500	1	04/07/2024 02:06	WG2262010
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/07/2024 02:06	WG2262010
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/07/2024 02:06	WG2262010
Tetrachloroethene	U		0.000300	0.00100	1	04/07/2024 02:06	WG2262010
Toluene	U		0.000278	0.00100	1	04/07/2024 02:06	WG2262010
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/07/2024 02:06	WG2262010
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/07/2024 02:06	WG2262010
Trichloroethene	U		0.000190	0.00100	1	04/07/2024 02:06	WG2262010
1,2,4-Trimethylbenzene	0.000587	J	0.000322	0.00100	1	04/07/2024 02:06	WG2262010
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/07/2024 02:06	WG2262010
Vinyl chloride	U		0.000234	0.00100	1	04/07/2024 02:06	WG2262010
o-Xylene	0.000214	J	0.000174	0.00100	1	04/07/2024 02:06	WG2262010
m&p-Xylene	0.000668	J	0.000430	0.00200	1	04/07/2024 02:06	WG2262010
Xylenes, Total	0.000882	J	0.000174	0.00300	1	04/07/2024 02:06	WG2262010
(S) Toluene-d8	*112*			*80.0-120*		*04/07/2024 02:06*	WG2262010
(S) 4-Bromofluorobenzene	*112*			*77.0-126*		*04/07/2024 02:06*	WG2262010
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*04/07/2024 02:06*	WG2262010

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	3.35		0.0247	0.100	1	04/12/2024 15:08	WG2264620
(S) o-Terphenyl	*93.7*			*52.0-156*		*04/12/2024 15:08*	WG2264620

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2540		50.0	1	04/10/2024 19:21	WG2263080

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	61.4		0.379	1.00	1	04/05/2024 02:13	WG2260717
Fluoride	2.50		0.0640	0.150	1	04/19/2024 10:45	WG2270014
Nitrate	U		0.0480	0.100	1	04/05/2024 02:13	WG2260717
Nitrite	U		0.0420	0.100	1	04/05/2024 02:13	WG2260717
Sulfate	1300		29.7	250	50	04/05/2024 07:39	WG2260717

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.000551	J	0.000180	0.00200	1	04/10/2024 17:34	WG2263008
Arsenic,Dissolved	0.000532	J	0.000180	0.00200	1	04/11/2024 20:45	WG2261161
Barium	0.0159		0.000381	0.00200	1	04/10/2024 17:34	WG2263008
Barium,Dissolved	0.0148		0.000381	0.00200	1	04/11/2024 20:45	WG2261161
Calcium	490		0.0936	1.00	1	04/10/2024 17:34	WG2263008
Chromium	U		0.00124	0.00200	1	04/10/2024 17:34	WG2263008
Chromium,Dissolved	U		0.00124	0.00200	1	04/11/2024 20:45	WG2261161
Iron	U		0.0281	0.100	1	04/10/2024 17:34	WG2263008
Iron,Dissolved	U		0.0281	0.100	1	04/11/2024 20:45	WG2261161
Lead	0.00479		0.000849	0.00200	1	04/10/2024 17:34	WG2263008
Lead,Dissolved	0.00354		0.000849	0.00200	1	04/11/2024 20:45	WG2261161
Manganese	0.0105		0.000704	0.00500	1	04/10/2024 17:34	WG2263008
Manganese,Dissolved	0.00990		0.000704	0.00500	1	04/11/2024 20:45	WG2261161
Potassium	0.291	J	0.108	2.00	1	04/10/2024 17:34	WG2263008
Selenium	U		0.000300	0.00200	1	04/10/2024 17:34	WG2263008
Selenium,Dissolved	U		0.000300	0.00200	1	04/11/2024 20:45	WG2261161
Sodium	79.1		0.376	2.00	1	04/10/2024 17:34	WG2263008

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	11.5		0.628	2.00	20	04/11/2024 09:07	WG2264519
(S) a,a,a-Trifluorotoluene(FID)	*90.3*			*78.0-120*		*04/11/2024 09:07*	WG2264519

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.565	2.50	50	04/07/2024 04:56	WG2262010
Benzene	0.291		0.00471	0.0500	50	04/07/2024 04:56	WG2262010
Bromodichloromethane	U		0.00680	0.0500	50	04/07/2024 04:56	WG2262010
Bromoform	U		0.00645	0.0500	50	04/07/2024 04:56	WG2262010
Bromomethane	U		0.0303	0.250	50	04/07/2024 04:56	WG2262010
n-Butylbenzene	U		0.00785	0.0500	50	04/07/2024 04:56	WG2262010
sec-Butylbenzene	0.0125	J	0.00625	0.0500	50	04/07/2024 04:56	WG2262010
Carbon disulfide	0.0353	B J	0.00481	0.0500	50	04/07/2024 04:56	WG2262010
Carbon tetrachloride	U		0.00640	0.0500	50	04/07/2024 04:56	WG2262010
Chlorobenzene	U		0.00580	0.0500	50	04/07/2024 04:56	WG2262010
Chlorodibromomethane	U		0.00700	0.0500	50	04/07/2024 04:56	WG2262010
Chloroethane	U		0.00960	0.250	50	04/07/2024 04:56	WG2262010

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloroform	U		0.00555	0.250	50	04/07/2024 04:56	WG2262010
Chloromethane	U		0.0480	0.125	50	04/07/2024 04:56	WG2262010
1,2-Dibromoethane	U		0.00630	0.0500	50	04/07/2024 04:56	WG2262010
1,1-Dichloroethane	U		0.00500	0.0500	50	04/07/2024 04:56	WG2262010
1,2-Dichloroethane	U		0.00409	0.0500	50	04/07/2024 04:56	WG2262010
1,1-Dichloroethene	U		0.00940	0.0500	50	04/07/2024 04:56	WG2262010
cis-1,2-Dichloroethene	U		0.00630	0.0500	50	04/07/2024 04:56	WG2262010
trans-1,2-Dichloroethene	U		0.00745	0.0500	50	04/07/2024 04:56	WG2262010
1,2-Dichloropropane	U		0.00745	0.0500	50	04/07/2024 04:56	WG2262010
cis-1,3-Dichloropropene	U		0.00555	0.0500	50	04/07/2024 04:56	WG2262010
trans-1,3-Dichloropropene	U		0.00590	0.0500	50	04/07/2024 04:56	WG2262010
Ethylbenzene	0.260		0.00685	0.0500	50	04/07/2024 04:56	WG2262010
Isopropylbenzene	0.0827		0.00525	0.0500	50	04/07/2024 04:56	WG2262010
p-Isopropyltoluene	0.0125	J	0.00600	0.0500	50	04/07/2024 04:56	WG2262010
2-Butanone (MEK)	U		0.0595	0.500	50	04/07/2024 04:56	WG2262010
2-Hexanone	U		0.0394	0.500	50	04/07/2024 04:56	WG2262010
Methylene Chloride	U		0.0215	0.250	50	04/07/2024 04:56	WG2262010
4-Methyl-2-pentanone (MIBK)	U		0.0239	0.500	50	04/07/2024 04:56	WG2262010
Methyl tert-butyl ether	U		0.00505	0.0500	50	04/07/2024 04:56	WG2262010
Naphthalene	0.172	J J4	0.0500	0.250	50	04/07/2024 04:56	WG2262010
n-Propylbenzene	0.0997		0.00497	0.0500	50	04/07/2024 04:56	WG2262010
Styrene	U		0.00590	0.0500	50	04/07/2024 04:56	WG2262010
tert-Butyl alcohol	U		0.203	0.250	50	04/07/2024 04:56	WG2262010
1,1,1,2-Tetrachloroethane	U		0.00735	0.0500	50	04/07/2024 04:56	WG2262010
1,1,2,2-Tetrachloroethane	U		0.00665	0.0500	50	04/07/2024 04:56	WG2262010
Tetrachloroethene	U		0.0150	0.0500	50	04/07/2024 04:56	WG2262010
Toluene	0.114		0.0139	0.0500	50	04/07/2024 04:56	WG2262010
1,1,1-Trichloroethane	U		0.00745	0.0500	50	04/07/2024 04:56	WG2262010
1,1,2-Trichloroethane	U		0.00790	0.0500	50	04/07/2024 04:56	WG2262010
Trichloroethene	U		0.00950	0.0500	50	04/07/2024 04:56	WG2262010
1,2,4-Trimethylbenzene	0.421		0.0161	0.0500	50	04/07/2024 04:56	WG2262010
1,3,5-Trimethylbenzene	0.0966		0.00520	0.0500	50	04/07/2024 04:56	WG2262010
Vinyl chloride	U		0.0117	0.0500	50	04/07/2024 04:56	WG2262010
o-Xylene	0.0229	J	0.00870	0.0500	50	04/07/2024 04:56	WG2262010
m&p-Xylene	0.989		0.0215	0.100	50	04/07/2024 04:56	WG2262010
Xylenes, Total	1.01		0.00870	0.150	50	04/07/2024 04:56	WG2262010
(S) Toluene-d8	*101*			*80.0-120*		*04/07/2024 04:56*	WG2262010
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*04/07/2024 04:56*	WG2262010
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*04/07/2024 04:56*	WG2262010

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	5.33		0.0247	0.100	1	04/12/2024 15:28	WG2264620
(S) o-Terphenyl	*90.0*			*52.0-156*		*04/12/2024 15:28*	WG2264620

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2660		50.0	1	04/10/2024 19:21	WG2263080

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	480		3.79	10.0	10	04/05/2024 20:14	WG2260720
Fluoride	1.03	J	0.640	1.50	10	04/05/2024 20:14	WG2260720
Nitrate	5.90	Q	0.480	1.00	10	04/05/2024 20:14	WG2260720
Nitrite	U	Q	0.420	1.00	10	04/05/2024 20:14	WG2260720
Sulfate	630		5.94	50.0	10	04/05/2024 20:14	WG2260720

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00541		0.000180	0.00200	1	04/10/2024 17:38	WG2263008
Arsenic,Dissolved	0.00499		0.000180	0.00200	1	04/11/2024 20:48	WG2261161
Barium	0.0408		0.000381	0.00200	1	04/10/2024 17:38	WG2263008
Barium,Dissolved	0.0398		0.000381	0.00200	1	04/11/2024 20:48	WG2261161
Calcium	233		0.0936	1.00	1	04/10/2024 17:38	WG2263008
Chromium	U		0.00124	0.00200	1	04/10/2024 17:38	WG2263008
Chromium,Dissolved	U		0.00124	0.00200	1	04/11/2024 20:48	WG2261161
Iron	U		0.0281	0.100	1	04/10/2024 17:38	WG2263008
Iron,Dissolved	U		0.0281	0.100	1	04/11/2024 20:48	WG2261161
Lead	U		0.000849	0.00200	1	04/10/2024 17:38	WG2263008
Lead,Dissolved	U		0.000849	0.00200	1	04/11/2024 20:48	WG2261161
Manganese	0.263		0.000704	0.00500	1	04/10/2024 17:38	WG2263008
Manganese,Dissolved	0.223		0.000704	0.00500	1	04/11/2024 20:48	WG2261161
Potassium	0.842	J	0.108	2.00	1	04/10/2024 17:38	WG2263008
Selenium	0.000334	J	0.000300	0.00200	1	04/10/2024 17:38	WG2263008
Selenium,Dissolved	0.000356	J	0.000300	0.00200	1	04/11/2024 20:48	WG2261161
Sodium	393		0.376	2.00	1	04/10/2024 17:38	WG2263008

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.769		0.0314	0.100	1	04/11/2024 07:13	WG2264519
(S) a,a,a-Trifluorotoluene(FID)	*92.8*			*78.0-120*		*04/11/2024 07:13*	WG2264519

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.113	0.500	10	04/07/2024 05:17	WG2262010
Benzene	0.00241	J	0.000941	0.0100	10	04/07/2024 05:17	WG2262010
Bromodichloromethane	U		0.00136	0.0100	10	04/07/2024 05:17	WG2262010
Bromoform	U		0.00129	0.0100	10	04/07/2024 05:17	WG2262010
Bromomethane	U		0.00605	0.0500	10	04/07/2024 05:17	WG2262010
n-Butylbenzene	U		0.00157	0.0100	10	04/07/2024 05:17	WG2262010
sec-Butylbenzene	0.0126		0.00125	0.0100	10	04/07/2024 05:17	WG2262010
Carbon disulfide	0.00411	B J	0.000962	0.0100	10	04/07/2024 05:17	WG2262010
Carbon tetrachloride	U		0.00128	0.0100	10	04/07/2024 05:17	WG2262010
Chlorobenzene	U		0.00116	0.0100	10	04/07/2024 05:17	WG2262010
Chlorodibromomethane	U		0.00140	0.0100	10	04/07/2024 05:17	WG2262010
Chloroethane	U		0.00192	0.0500	10	04/07/2024 05:17	WG2262010

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloroform	U		0.00111	0.0500	10	04/07/2024 05:17	WG2262010
Chloromethane	U		0.00960	0.0250	10	04/07/2024 05:17	WG2262010
1,2-Dibromoethane	U		0.00126	0.0100	10	04/07/2024 05:17	WG2262010
1,1-Dichloroethane	U		0.00100	0.0100	10	04/07/2024 05:17	WG2262010
1,2-Dichloroethane	U		0.000819	0.0100	10	04/07/2024 05:17	WG2262010
1,1-Dichloroethene	U		0.00188	0.0100	10	04/07/2024 05:17	WG2262010
cis-1,2-Dichloroethene	U		0.00126	0.0100	10	04/07/2024 05:17	WG2262010
trans-1,2-Dichloroethene	U		0.00149	0.0100	10	04/07/2024 05:17	WG2262010
1,2-Dichloropropane	U		0.00149	0.0100	10	04/07/2024 05:17	WG2262010
cis-1,3-Dichloropropene	U		0.00111	0.0100	10	04/07/2024 05:17	WG2262010
trans-1,3-Dichloropropene	U		0.00118	0.0100	10	04/07/2024 05:17	WG2262010
Ethylbenzene	U		0.00137	0.0100	10	04/07/2024 05:17	WG2262010
Isopropylbenzene	0.0737		0.00105	0.0100	10	04/07/2024 05:17	WG2262010
p-Isopropyltoluene	U		0.00120	0.0100	10	04/07/2024 05:17	WG2262010
2-Butanone (MEK)	U		0.0119	0.100	10	04/07/2024 05:17	WG2262010
2-Hexanone	U		0.00787	0.100	10	04/07/2024 05:17	WG2262010
Methylene Chloride	U		0.00430	0.0500	10	04/07/2024 05:17	WG2262010
4-Methyl-2-pentanone (MIBK)	U		0.00478	0.100	10	04/07/2024 05:17	WG2262010
Methyl tert-butyl ether	0.264		0.00101	0.0100	10	04/07/2024 05:17	WG2262010
Naphthalene	U	J4	0.0100	0.0500	10	04/07/2024 05:17	WG2262010
n-Propylbenzene	U		0.000993	0.0100	10	04/07/2024 05:17	WG2262010
Styrene	U		0.00118	0.0100	10	04/07/2024 05:17	WG2262010
tert-Butyl alcohol	U		0.0406	0.0500	10	04/07/2024 05:17	WG2262010
1,1,1,2-Tetrachloroethane	U		0.00147	0.0100	10	04/07/2024 05:17	WG2262010
1,1,2,2-Tetrachloroethane	U		0.00133	0.0100	10	04/07/2024 05:17	WG2262010
Tetrachloroethene	U		0.00300	0.0100	10	04/07/2024 05:17	WG2262010
Toluene	U		0.00278	0.0100	10	04/07/2024 05:17	WG2262010
1,1,1-Trichloroethane	U		0.00149	0.0100	10	04/07/2024 05:17	WG2262010
1,1,2-Trichloroethane	U		0.00158	0.0100	10	04/07/2024 05:17	WG2262010
Trichloroethene	U		0.00190	0.0100	10	04/07/2024 05:17	WG2262010
1,2,4-Trimethylbenzene	U		0.00322	0.0100	10	04/07/2024 05:17	WG2262010
1,3,5-Trimethylbenzene	U		0.00104	0.0100	10	04/07/2024 05:17	WG2262010
Vinyl chloride	U		0.00234	0.0100	10	04/07/2024 05:17	WG2262010
o-Xylene	U		0.00174	0.0100	10	04/07/2024 05:17	WG2262010
m&p-Xylene	U		0.00430	0.0200	10	04/07/2024 05:17	WG2262010
Xylenes, Total	U		0.00174	0.0300	10	04/07/2024 05:17	WG2262010
(S) Toluene-d8	*108*			*80.0-120*		*04/07/2024 05:17*	WG2262010
(S) 4-Bromofluorobenzene	*108*			*77.0-126*		*04/07/2024 05:17*	WG2262010
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*04/07/2024 05:17*	WG2262010

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	7.57		0.0247	0.100	1	04/12/2024 15:49	WG2264620
(S) o-Terphenyl	*88.9*			*52.0-156*		*04/12/2024 15:49*	WG2264620

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	3140		50.0	1	04/10/2024 19:21	WG2263080

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	566		7.58	20.0	20	04/05/2024 13:23	WG2260724
Fluoride	0.989		0.0640	0.150	1	04/05/2024 06:58	WG2260724
Nitrate	U		0.0480	0.100	1	04/05/2024 06:58	WG2260724
Nitrite	U		0.0420	0.100	1	04/05/2024 06:58	WG2260724
Sulfate	1090		11.9	100	20	04/05/2024 13:23	WG2260724

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.000100	0.000200	1	04/06/2024 19:31	WG2261019
Mercury,Dissolved	U		0.000100	0.000200	1	04/06/2024 17:17	WG2261024

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron	0.796		0.0200	0.200	1	04/09/2024 20:33	WG2262487
Boron,Dissolved	0.791		0.0200	0.200	1	04/09/2024 16:36	WG2261155

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.0222		0.000180	0.00200	1	04/10/2024 17:41	WG2263008
Arsenic,Dissolved	0.0210		0.000180	0.00200	1	04/11/2024 20:51	WG2261161
Barium	0.0211		0.000381	0.00200	1	04/10/2024 17:41	WG2263008
Barium,Dissolved	0.0210		0.000381	0.00200	1	04/11/2024 20:51	WG2261161
Cadmium	U		0.000150	0.00100	1	04/10/2024 17:41	WG2263008
Cadmium,Dissolved	U		0.000150	0.00100	1	04/11/2024 20:51	WG2261161
Calcium	304		0.0936	1.00	1	04/10/2024 17:41	WG2263008
Chromium	U		0.00124	0.00200	1	04/10/2024 17:41	WG2263008
Chromium,Dissolved	U		0.00124	0.00200	1	04/11/2024 20:51	WG2261161
Cobalt	0.00478		0.0000596	0.00200	1	04/10/2024 17:41	WG2263008
Cobalt,Dissolved	0.00409		0.0000596	0.00200	1	04/11/2024 20:51	WG2261161
Iron	1.67		0.0281	0.100	1	04/10/2024 17:41	WG2263008
Iron,Dissolved	1.48		0.0281	0.100	1	04/11/2024 20:51	WG2261161
Lead	U		0.000849	0.00200	1	04/10/2024 17:41	WG2263008
Lead,Dissolved	U		0.000849	0.00200	1	04/11/2024 20:51	WG2261161
Manganese	0.303		0.000704	0.00500	1	04/10/2024 17:41	WG2263008
Manganese,Dissolved	0.270		0.000704	0.00500	1	04/11/2024 20:51	WG2261161
Nickel	0.0161		0.000816	0.00200	1	04/10/2024 17:41	WG2263008
Nickel,Dissolved	0.0138		0.000816	0.00200	1	04/11/2024 20:51	WG2261161
Potassium	1.84	J	0.108	2.00	1	04/10/2024 17:41	WG2263008
Selenium	0.00298		0.000300	0.00200	1	04/10/2024 17:41	WG2263008
Selenium,Dissolved	0.00315		0.000300	0.00200	1	04/11/2024 20:51	WG2261161
Sodium	359		0.376	2.00	1	04/10/2024 17:41	WG2263008
Uranium	0.00964		0.0000789	0.00100	1	04/10/2024 17:41	WG2263008
Uranium,Dissolved	0.00824		0.0000789	0.00100	1	04/11/2024 20:51	WG2261161
Vanadium	0.00722		0.000664	0.00500	1	04/10/2024 17:41	WG2263008
Vanadium,Dissolved	0.00653		0.000664	0.00500	1	04/11/2024 20:51	WG2261161

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.190		0.0314	0.100	1	04/11/2024 07:36	WG2264519
(S) a,a,a-Trifluorotoluene(FID)	*93.2*			*78.0-120*		*04/11/2024 07:36*	WG2264519

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/07/2024 02:27	WG2262010
Benzene	U		0.0000941	0.00100	1	04/07/2024 02:27	WG2262010
Bromodichloromethane	U		0.000136	0.00100	1	04/07/2024 02:27	WG2262010
Bromoform	U		0.000129	0.00100	1	04/07/2024 02:27	WG2262010
Bromomethane	U		0.000605	0.00500	1	04/07/2024 02:27	WG2262010
n-Butylbenzene	U		0.000157	0.00100	1	04/07/2024 02:27	WG2262010
sec-Butylbenzene	U		0.000125	0.00100	1	04/07/2024 02:27	WG2262010
Carbon disulfide	0.000489	B J	0.0000962	0.00100	1	04/07/2024 02:27	WG2262010
Carbon tetrachloride	U		0.000128	0.00100	1	04/07/2024 02:27	WG2262010
Chlorobenzene	U		0.000116	0.00100	1	04/07/2024 02:27	WG2262010
Chlorodibromomethane	U		0.000140	0.00100	1	04/07/2024 02:27	WG2262010
Chloroethane	U		0.000192	0.00500	1	04/07/2024 02:27	WG2262010
Chloroform	U		0.000111	0.00500	1	04/07/2024 02:27	WG2262010
Chloromethane	U		0.000960	0.00250	1	04/07/2024 02:27	WG2262010
1,2-Dibromoethane	U		0.000126	0.00100	1	04/07/2024 02:27	WG2262010
1,1-Dichloroethane	U		0.000100	0.00100	1	04/07/2024 02:27	WG2262010
1,2-Dichloroethane	0.000280	J	0.0000819	0.00100	1	04/07/2024 02:27	WG2262010
1,1-Dichloroethene	U		0.000188	0.00100	1	04/07/2024 02:27	WG2262010
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/07/2024 02:27	WG2262010
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/07/2024 02:27	WG2262010
1,2-Dichloropropane	U		0.000149	0.00100	1	04/07/2024 02:27	WG2262010
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/07/2024 02:27	WG2262010
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/07/2024 02:27	WG2262010
Ethylbenzene	U		0.000137	0.00100	1	04/07/2024 02:27	WG2262010
Isopropylbenzene	U		0.000105	0.00100	1	04/07/2024 02:27	WG2262010
p-Isopropyltoluene	U		0.000120	0.00100	1	04/07/2024 02:27	WG2262010
2-Butanone (MEK)	U		0.00119	0.0100	1	04/07/2024 02:27	WG2262010
2-Hexanone	U		0.000787	0.0100	1	04/07/2024 02:27	WG2262010
Methylene Chloride	U		0.000430	0.00500	1	04/07/2024 02:27	WG2262010
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/07/2024 02:27	WG2262010
Methyl tert-butyl ether	0.0867		0.000101	0.00100	1	04/07/2024 02:27	WG2262010
Naphthalene	U	J4	0.00100	0.00500	1	04/07/2024 02:27	WG2262010
n-Propylbenzene	U		0.0000993	0.00100	1	04/07/2024 02:27	WG2262010
Styrene	U		0.000118	0.00100	1	04/07/2024 02:27	WG2262010
tert-Butyl alcohol	U		0.00406	0.00500	1	04/07/2024 02:27	WG2262010
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/07/2024 02:27	WG2262010
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/07/2024 02:27	WG2262010
Tetrachloroethene	U		0.000300	0.00100	1	04/07/2024 02:27	WG2262010
Toluene	U		0.000278	0.00100	1	04/07/2024 02:27	WG2262010
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/07/2024 02:27	WG2262010
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/07/2024 02:27	WG2262010
Trichloroethene	U		0.000190	0.00100	1	04/07/2024 02:27	WG2262010
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/07/2024 02:27	WG2262010
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/07/2024 02:27	WG2262010
Vinyl chloride	U		0.000234	0.00100	1	04/07/2024 02:27	WG2262010
o-Xylene	U		0.000174	0.00100	1	04/07/2024 02:27	WG2262010
m&p-Xylene	U		0.000430	0.00200	1	04/07/2024 02:27	WG2262010
Xylenes, Total	U		0.000174	0.00300	1	04/07/2024 02:27	WG2262010
(S) Toluene-d8	*106*			*80.0-120*		*04/07/2024 02:27*	WG2262010

MW-29
Collected date/time: 04/03/24 11:25
L1722286

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
(S) 4-Bromofluorobenzene	*110*			*77.0-126*		*04/07/2024 02:27*	WG2262010
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*04/07/2024 02:27*	WG2262010

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	5.17		0.0247	0.100	1	04/12/2024 16:09	WG2264620
(S) o-Terphenyl	*83.2*			*52.0-156*		*04/12/2024 16:09*	WG2264620

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	2120		50.0	1	04/10/2024 19:21	WG2263080

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	140		0.379	1.00	1	04/05/2024 03:35	WG2260717
Fluoride	1.07		0.0640	0.150	1	04/19/2024 16:04	WG2270305
Nitrate	U		0.0480	0.100	1	04/05/2024 03:35	WG2260717
Nitrite	U		0.0420	0.100	1	04/05/2024 03:35	WG2260717
Sulfate	1230		11.9	100	20	04/05/2024 07:53	WG2260717

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.000100	0.000200	1	04/06/2024 19:34	WG2261019
Mercury,Dissolved	U		0.000100	0.000200	1	04/06/2024 17:19	WG2261024

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron	0.162	J	0.0200	0.200	1	04/09/2024 20:34	WG2262487
Boron,Dissolved	0.161	J	0.0200	0.200	1	04/09/2024 16:37	WG2261155

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.00534		0.000180	0.00200	1	04/13/2024 18:19	WG2263015
Arsenic,Dissolved	0.00477		0.000180	0.00200	1	04/11/2024 21:21	WG2261161
Barium	0.0105		0.000381	0.00200	1	04/13/2024 18:19	WG2263015
Barium,Dissolved	0.00978		0.000381	0.00200	1	04/11/2024 21:21	WG2261161
Cadmium	U		0.000150	0.00100	1	04/13/2024 18:19	WG2263015
Cadmium,Dissolved	U		0.000150	0.00100	1	04/11/2024 21:21	WG2261161
Calcium	343		0.0936	1.00	1	04/13/2024 18:19	WG2263015
Chromium	U		0.00124	0.00200	1	04/13/2024 18:19	WG2263015
Chromium,Dissolved	U		0.00124	0.00200	1	04/11/2024 21:21	WG2261161
Cobalt	0.00487		0.0000596	0.00200	1	04/13/2024 18:19	WG2263015
Cobalt,Dissolved	0.00388		0.0000596	0.00200	1	04/11/2024 21:21	WG2261161
Iron	0.0856	J	0.0281	0.100	1	04/13/2024 18:19	WG2263015
Iron,Dissolved	U		0.0281	0.100	1	04/11/2024 21:21	WG2261161
Lead	U		0.000849	0.00200	1	04/13/2024 18:19	WG2263015
Lead,Dissolved	U		0.000849	0.00200	1	04/11/2024 21:21	WG2261161
Manganese	0.170		0.000704	0.00500	1	04/13/2024 18:19	WG2263015
Manganese,Dissolved	0.147		0.000704	0.00500	1	04/11/2024 21:21	WG2261161
Nickel	0.00796		0.000816	0.00200	1	04/13/2024 18:19	WG2263015
Nickel,Dissolved	0.00430		0.000816	0.00200	1	04/11/2024 21:21	WG2261161
Potassium	1.34	J	0.108	2.00	1	04/13/2024 18:19	WG2263015
Selenium	0.00366		0.000300	0.00200	1	04/13/2024 18:19	WG2263015
Selenium,Dissolved	0.00373		0.000300	0.00200	1	04/11/2024 21:21	WG2261161
Sodium	110		0.376	2.00	1	04/13/2024 18:19	WG2263015
Uranium	0.00953		0.0000789	0.00100	1	04/13/2024 18:19	WG2263015
Uranium,Dissolved	0.00790		0.0000789	0.00100	1	04/11/2024 21:21	WG2261161
Vanadium	0.0197		0.000664	0.00500	1	04/13/2024 18:19	WG2263015
Vanadium,Dissolved	0.0170		0.000664	0.00500	1	04/11/2024 21:21	WG2261161

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/07/2024 02:48	WG2262010
Benzene	U		0.0000941	0.00100	1	04/07/2024 02:48	WG2262010
Bromodichloromethane	U		0.000136	0.00100	1	04/07/2024 02:48	WG2262010
Bromoform	U		0.000129	0.00100	1	04/07/2024 02:48	WG2262010
Bromomethane	U		0.000605	0.00500	1	04/07/2024 02:48	WG2262010
n-Butylbenzene	U		0.000157	0.00100	1	04/07/2024 02:48	WG2262010
sec-Butylbenzene	U		0.000125	0.00100	1	04/07/2024 02:48	WG2262010
Carbon disulfide	0.000238	B J	0.0000962	0.00100	1	04/07/2024 02:48	WG2262010
Carbon tetrachloride	U		0.000128	0.00100	1	04/07/2024 02:48	WG2262010
Chlorobenzene	U		0.000116	0.00100	1	04/07/2024 02:48	WG2262010
Chlorodibromomethane	U		0.000140	0.00100	1	04/07/2024 02:48	WG2262010
Chloroethane	U		0.000192	0.00500	1	04/07/2024 02:48	WG2262010
Chloroform	U		0.000111	0.00500	1	04/07/2024 02:48	WG2262010
Chloromethane	U		0.000960	0.00250	1	04/07/2024 02:48	WG2262010
1,2-Dibromoethane	U		0.000126	0.00100	1	04/07/2024 02:48	WG2262010
1,1-Dichloroethane	U		0.000100	0.00100	1	04/07/2024 02:48	WG2262010
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/07/2024 02:48	WG2262010
1,1-Dichloroethene	U		0.000188	0.00100	1	04/07/2024 02:48	WG2262010
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/07/2024 02:48	WG2262010
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/07/2024 02:48	WG2262010
1,2-Dichloropropane	U		0.000149	0.00100	1	04/07/2024 02:48	WG2262010
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/07/2024 02:48	WG2262010
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/07/2024 02:48	WG2262010
Ethylbenzene	U		0.000137	0.00100	1	04/07/2024 02:48	WG2262010
Isopropylbenzene	U		0.000105	0.00100	1	04/07/2024 02:48	WG2262010
p-Isopropyltoluene	U		0.000120	0.00100	1	04/07/2024 02:48	WG2262010
2-Butanone (MEK)	U		0.00119	0.0100	1	04/07/2024 02:48	WG2262010
2-Hexanone	U		0.000787	0.0100	1	04/07/2024 02:48	WG2262010
Methylene Chloride	U		0.000430	0.00500	1	04/07/2024 02:48	WG2262010
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/07/2024 02:48	WG2262010
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/07/2024 02:48	WG2262010
Naphthalene	U	J4	0.00100	0.00500	1	04/07/2024 02:48	WG2262010
n-Propylbenzene	U		0.0000993	0.00100	1	04/07/2024 02:48	WG2262010
Styrene	U		0.000118	0.00100	1	04/07/2024 02:48	WG2262010
tert-Butyl alcohol	U		0.00406	0.00500	1	04/07/2024 02:48	WG2262010
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/07/2024 02:48	WG2262010
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/07/2024 02:48	WG2262010
Tetrachloroethene	U		0.000300	0.00100	1	04/07/2024 02:48	WG2262010
Toluene	U		0.000278	0.00100	1	04/07/2024 02:48	WG2262010
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/07/2024 02:48	WG2262010
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/07/2024 02:48	WG2262010
Trichloroethene	U		0.000190	0.00100	1	04/07/2024 02:48	WG2262010
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/07/2024 02:48	WG2262010
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/07/2024 02:48	WG2262010
Vinyl chloride	U		0.000234	0.00100	1	04/07/2024 02:48	WG2262010
o-Xylene	U		0.000174	0.00100	1	04/07/2024 02:48	WG2262010
m&p-Xylene	U		0.000430	0.00200	1	04/07/2024 02:48	WG2262010
Xylenes, Total	U		0.000174	0.00300	1	04/07/2024 02:48	WG2262010
(S) Toluene-d8	*105*			*80.0-120*		*04/07/2024 02:48*	WG2262010
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*04/07/2024 02:48*	WG2262010
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*04/07/2024 02:48*	WG2262010

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.129		0.0247	0.100	1	04/13/2024 13:22	WG2264620

MW-30
Collected date/time: 04/03/24 08:40
L1722286

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
(S) o-Terphenyl	*85.3*			*52.0-156*		*04/13/2024 13:22*	WG2264620

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	1490		50.0	1	04/10/2024 19:21	WG2263080

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Cyanide	0.0394	P1	0.00360	0.0100	2	04/11/2024 23:06	WG2264666

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	213		1.90	5.00	5	04/05/2024 08:33	WG2260717
Fluoride	1.34		0.0640	0.150	1	04/19/2024 16:59	WG2270305
Nitrate	0.334	B	0.0480	0.100	1	04/05/2024 03:48	WG2260717
Nitrite	U		0.0420	0.100	1	04/05/2024 03:48	WG2260717
Sulfate	106		0.594	5.00	1	04/05/2024 03:48	WG2260717

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.000100	0.000200	1	04/06/2024 19:36	WG2261019
Mercury,Dissolved	U		0.000100	0.000200	1	04/06/2024 17:21	WG2261024

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron	0.766		0.0200	0.200	1	04/09/2024 20:36	WG2262487
Boron,Dissolved	0.775		0.0200	0.200	1	04/09/2024 16:39	WG2261155

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.00447		0.000180	0.00200	1	04/13/2024 18:32	WG2263015
Arsenic,Dissolved	0.00419		0.000180	0.00200	1	04/11/2024 21:25	WG2261161
Barium	0.0686		0.000381	0.00200	1	04/13/2024 18:32	WG2263015
Barium,Dissolved	0.0632		0.000381	0.00200	1	04/11/2024 21:25	WG2261161
Cadmium	U		0.000150	0.00100	1	04/13/2024 18:32	WG2263015
Cadmium,Dissolved	U		0.000150	0.00100	1	04/11/2024 21:25	WG2261161
Calcium	132		0.0936	1.00	1	04/13/2024 18:32	WG2263015
Chromium	U		0.00124	0.00200	1	04/13/2024 18:32	WG2263015
Chromium,Dissolved	U		0.00124	0.00200	1	04/11/2024 21:25	WG2261161
Cobalt	0.0000683	J	0.0000596	0.00200	1	04/13/2024 18:32	WG2263015
Cobalt,Dissolved	U		0.0000596	0.00200	1	04/11/2024 21:25	WG2261161
Iron	0.0508	J	0.0281	0.100	1	04/13/2024 18:32	WG2263015
Iron,Dissolved	U		0.0281	0.100	1	04/11/2024 21:25	WG2261161
Lead	0.000953	J	0.000849	0.00200	1	04/13/2024 18:32	WG2263015
Lead,Dissolved	U		0.000849	0.00200	1	04/11/2024 21:25	WG2261161
Manganese	0.0901		0.000704	0.00500	1	04/13/2024 18:32	WG2263015
Manganese,Dissolved	0.0773		0.000704	0.00500	1	04/11/2024 21:25	WG2261161
Nickel	0.00838		0.000816	0.00200	1	04/13/2024 18:32	WG2263015
Nickel,Dissolved	0.00628		0.000816	0.00200	1	04/11/2024 21:25	WG2261161
Potassium	2.48		0.108	2.00	1	04/13/2024 18:32	WG2263015
Selenium	0.000331	J	0.000300	0.00200	1	04/13/2024 18:32	WG2263015
Selenium,Dissolved	0.000355	J	0.000300	0.00200	1	04/11/2024 21:25	WG2261161

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Sodium	269		0.376	2.00	1	04/13/2024 18:32	WG2263015
Uranium	U		0.0000789	0.00100	1	04/13/2024 18:32	WG2263015
Uranium,Dissolved	U		0.0000789	0.00100	1	04/11/2024 21:25	WG2261161
Vanadium	U		0.000664	0.00500	1	04/13/2024 18:32	WG2263015
Vanadium,Dissolved	U		0.000664	0.00500	1	04/11/2024 21:25	WG2261161

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	6.79		0.314	1.00	10	04/11/2024 23:32	WG2265144
(S) a,a,a-Trifluorotoluene(FID)	*90.0*			*78.0-120*		*04/11/2024 23:32*	WG2265144

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.113	0.500	10	04/07/2024 05:39	WG2262010
Benzene	0.701		0.000941	0.0100	10	04/07/2024 05:39	WG2262010
Bromodichloromethane	U		0.00136	0.0100	10	04/07/2024 05:39	WG2262010
Bromoform	U		0.00129	0.0100	10	04/07/2024 05:39	WG2262010
Bromomethane	U		0.00605	0.0500	10	04/07/2024 05:39	WG2262010
n-Butylbenzene	U		0.00157	0.0100	10	04/07/2024 05:39	WG2262010
sec-Butylbenzene	0.00743	J	0.00125	0.0100	10	04/07/2024 05:39	WG2262010
Carbon disulfide	0.00655	B J	0.000962	0.0100	10	04/07/2024 05:39	WG2262010
Carbon tetrachloride	U		0.00128	0.0100	10	04/07/2024 05:39	WG2262010
Chlorobenzene	U		0.00116	0.0100	10	04/07/2024 05:39	WG2262010
Chlorodibromomethane	U		0.00140	0.0100	10	04/07/2024 05:39	WG2262010
Chloroethane	U		0.00192	0.0500	10	04/07/2024 05:39	WG2262010
Chloroform	U		0.00111	0.0500	10	04/07/2024 05:39	WG2262010
Chloromethane	U		0.00960	0.0250	10	04/07/2024 05:39	WG2262010
1,2-Dibromoethane	U		0.00126	0.0100	10	04/07/2024 05:39	WG2262010
1,1-Dichloroethane	U		0.00100	0.0100	10	04/07/2024 05:39	WG2262010
1,2-Dichloroethane	U		0.000819	0.0100	10	04/07/2024 05:39	WG2262010
1,1-Dichloroethene	U		0.00188	0.0100	10	04/07/2024 05:39	WG2262010
cis-1,2-Dichloroethene	U		0.00126	0.0100	10	04/07/2024 05:39	WG2262010
trans-1,2-Dichloroethene	U		0.00149	0.0100	10	04/07/2024 05:39	WG2262010
1,2-Dichloropropane	U		0.00149	0.0100	10	04/07/2024 05:39	WG2262010
cis-1,3-Dichloropropene	U		0.00111	0.0100	10	04/07/2024 05:39	WG2262010
trans-1,3-Dichloropropene	U		0.00118	0.0100	10	04/07/2024 05:39	WG2262010
Ethylbenzene	0.0366		0.00137	0.0100	10	04/07/2024 05:39	WG2262010
Isopropylbenzene	0.0584		0.00105	0.0100	10	04/07/2024 05:39	WG2262010
p-Isopropyltoluene	0.00379	J	0.00120	0.0100	10	04/07/2024 05:39	WG2262010
2-Butanone (MEK)	U		0.0119	0.100	10	04/07/2024 05:39	WG2262010
2-Hexanone	U		0.00787	0.100	10	04/07/2024 05:39	WG2262010
Methylene Chloride	U		0.00430	0.0500	10	04/07/2024 05:39	WG2262010
4-Methyl-2-pentanone (MIBK)	U		0.00478	0.100	10	04/07/2024 05:39	WG2262010
Methyl tert-butyl ether	0.0894		0.00101	0.0100	10	04/07/2024 05:39	WG2262010
Naphthalene	0.0309	J J4	0.0100	0.0500	10	04/07/2024 05:39	WG2262010
n-Propylbenzene	0.0637		0.000993	0.0100	10	04/07/2024 05:39	WG2262010
Styrene	U		0.00118	0.0100	10	04/07/2024 05:39	WG2262010
tert-Butyl alcohol	U		0.0406	0.0500	10	04/07/2024 05:39	WG2262010
1,1,1,2-Tetrachloroethane	U		0.00147	0.0100	10	04/07/2024 05:39	WG2262010
1,1,2,2-Tetrachloroethane	U		0.00133	0.0100	10	04/07/2024 05:39	WG2262010
Tetrachloroethene	U		0.00300	0.0100	10	04/07/2024 05:39	WG2262010
Toluene	0.0401		0.00278	0.0100	10	04/07/2024 05:39	WG2262010
1,1,1-Trichloroethane	U		0.00149	0.0100	10	04/07/2024 05:39	WG2262010

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.00158	0.0100	10	04/07/2024 05:39	WG2262010
Trichloroethene	U		0.00190	0.0100	10	04/07/2024 05:39	WG2262010
1,2,4-Trimethylbenzene	0.170		0.00322	0.0100	10	04/07/2024 05:39	WG2262010
1,3,5-Trimethylbenzene	0.0281		0.00104	0.0100	10	04/07/2024 05:39	WG2262010
Vinyl chloride	U		0.00234	0.0100	10	04/07/2024 05:39	WG2262010
o-Xylene	0.00420	J	0.00174	0.0100	10	04/07/2024 05:39	WG2262010
m&p-Xylene	0.273		0.00430	0.0200	10	04/07/2024 05:39	WG2262010
Xylenes, Total	0.277		0.00174	0.0300	10	04/07/2024 05:39	WG2262010
(S) Toluene-d8	*103*			*80.0-120*		*04/07/2024 05:39*	WG2262010
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*04/07/2024 05:39*	WG2262010
(S) 1,2-Dichloroethane-d4	*99.2*			*70.0-130*		*04/07/2024 05:39*	WG2262010

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	6.53		0.0247	0.100	1	04/12/2024 16:55	WG2264620
(S) o-Terphenyl	*86.8*			*52.0-156*		*04/12/2024 16:55*	WG2264620

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	4130		50.0	1	04/10/2024 19:21	WG2263080

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Cyanide	U		0.00180	0.00500	1	04/11/2024 23:09	WG2264666

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	289		3.79	10.0	10	04/05/2024 20:30	WG2260720
Fluoride	1.39	J	0.640	1.50	10	04/05/2024 20:30	WG2260720
Nitrate	12.3	Q	0.480	1.00	10	04/05/2024 20:30	WG2260720
Nitrite	U	Q	0.420	1.00	10	04/05/2024 20:30	WG2260720
Sulfate	1930		59.4	500	100	04/05/2024 12:53	WG2260720

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.000100	0.000200	1	04/06/2024 19:38	WG2261019
Mercury,Dissolved	U		0.000100	0.000200	1	04/06/2024 17:28	WG2261024

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron	0.550		0.0200	0.200	1	04/09/2024 20:41	WG2262487
Boron,Dissolved	0.558		0.0200	0.200	1	04/09/2024 16:44	WG2261155

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.00622		0.000180	0.00200	1	04/13/2024 18:36	WG2263015
Arsenic,Dissolved	0.00427		0.000180	0.00200	1	04/11/2024 21:28	WG2261161
Barium	0.0156		0.000381	0.00200	1	04/13/2024 18:36	WG2263015
Barium,Dissolved	0.0119		0.000381	0.00200	1	04/11/2024 21:28	WG2261161
Cadmium	U		0.000150	0.00100	1	04/13/2024 18:36	WG2263015
Cadmium,Dissolved	U		0.000150	0.00100	1	04/11/2024 21:28	WG2261161
Calcium	506		0.0936	1.00	1	04/13/2024 18:36	WG2263015
Chromium	U		0.00124	0.00200	1	04/13/2024 18:36	WG2263015
Chromium,Dissolved	U		0.00124	0.00200	1	04/11/2024 21:28	WG2261161
Cobalt	0.000423	J	0.0000596	0.00200	1	04/13/2024 18:36	WG2263015
Cobalt,Dissolved	0.000171	J	0.0000596	0.00200	1	04/11/2024 21:28	WG2261161
Iron	1.32		0.0281	0.100	1	04/13/2024 18:36	WG2263015
Iron,Dissolved	0.902		0.0281	0.100	1	04/11/2024 21:28	WG2261161
Lead	0.00143	J	0.000849	0.00200	1	04/13/2024 18:36	WG2263015
Lead,Dissolved	U		0.000849	0.00200	1	04/11/2024 21:28	WG2261161
Manganese	0.619		0.000704	0.00500	1	04/13/2024 18:36	WG2263015
Manganese,Dissolved	0.538		0.000704	0.00500	1	04/11/2024 21:28	WG2261161
Nickel	0.00985		0.000816	0.00200	1	04/13/2024 18:36	WG2263015
Nickel,Dissolved	0.00425		0.000816	0.00200	1	04/11/2024 21:28	WG2261161
Potassium	3.87		0.108	2.00	1	04/13/2024 18:36	WG2263015
Selenium	0.000329	J	0.000300	0.00200	1	04/13/2024 18:36	WG2263015
Selenium,Dissolved	0.000566	J	0.000300	0.00200	1	04/11/2024 21:28	WG2261161

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Sodium	324		0.376	2.00	1	04/13/2024 18:36	WG2263015
Uranium	0.000667	J	0.0000789	0.00100	1	04/13/2024 18:36	WG2263015
Uranium,Dissolved	0.000522	J	0.0000789	0.00100	1	04/11/2024 21:28	WG2261161
Vanadium	0.00109	J	0.000664	0.00500	1	04/13/2024 18:36	WG2263015
Vanadium,Dissolved	0.000909	J	0.000664	0.00500	1	04/11/2024 21:28	WG2261161

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/07/2024 03:10	WG2262010
Benzene	U		0.0000941	0.00100	1	04/07/2024 03:10	WG2262010
Bromodichloromethane	U		0.000136	0.00100	1	04/07/2024 03:10	WG2262010
Bromoform	U		0.000129	0.00100	1	04/07/2024 03:10	WG2262010
Bromomethane	U		0.000605	0.00500	1	04/07/2024 03:10	WG2262010
n-Butylbenzene	0.000455	J	0.000157	0.00100	1	04/07/2024 03:10	WG2262010
sec-Butylbenzene	U		0.000125	0.00100	1	04/07/2024 03:10	WG2262010
Carbon disulfide	0.000274	B J	0.0000962	0.00100	1	04/07/2024 03:10	WG2262010
Carbon tetrachloride	U		0.000128	0.00100	1	04/07/2024 03:10	WG2262010
Chlorobenzene	U		0.000116	0.00100	1	04/07/2024 03:10	WG2262010
Chlorodibromomethane	U		0.000140	0.00100	1	04/07/2024 03:10	WG2262010
Chloroethane	U		0.000192	0.00500	1	04/07/2024 03:10	WG2262010
Chloroform	U		0.000111	0.00500	1	04/07/2024 03:10	WG2262010
Chloromethane	U		0.000960	0.00250	1	04/07/2024 03:10	WG2262010
1,2-Dibromoethane	U		0.000126	0.00100	1	04/07/2024 03:10	WG2262010
1,1-Dichloroethane	U		0.000100	0.00100	1	04/07/2024 03:10	WG2262010
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/07/2024 03:10	WG2262010
1,1-Dichloroethene	U		0.000188	0.00100	1	04/07/2024 03:10	WG2262010
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/07/2024 03:10	WG2262010
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/07/2024 03:10	WG2262010
1,2-Dichloropropane	U		0.000149	0.00100	1	04/07/2024 03:10	WG2262010
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/07/2024 03:10	WG2262010
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/07/2024 03:10	WG2262010
Ethylbenzene	U		0.000137	0.00100	1	04/07/2024 03:10	WG2262010
Isopropylbenzene	U		0.000105	0.00100	1	04/07/2024 03:10	WG2262010
p-Isopropyltoluene	U		0.000120	0.00100	1	04/07/2024 03:10	WG2262010
2-Butanone (MEK)	U		0.00119	0.0100	1	04/07/2024 03:10	WG2262010
2-Hexanone	U		0.000787	0.0100	1	04/07/2024 03:10	WG2262010
Methylene Chloride	U		0.000430	0.00500	1	04/07/2024 03:10	WG2262010
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/07/2024 03:10	WG2262010
Methyl tert-butyl ether	0.00515		0.000101	0.00100	1	04/07/2024 03:10	WG2262010
Naphthalene	U	J4	0.00100	0.00500	1	04/07/2024 03:10	WG2262010
n-Propylbenzene	U		0.0000993	0.00100	1	04/07/2024 03:10	WG2262010
Styrene	U		0.000118	0.00100	1	04/07/2024 03:10	WG2262010
tert-Butyl alcohol	U		0.00406	0.00500	1	04/07/2024 03:10	WG2262010
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/07/2024 03:10	WG2262010
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/07/2024 03:10	WG2262010
Tetrachloroethene	U		0.000300	0.00100	1	04/07/2024 03:10	WG2262010
Toluene	U		0.000278	0.00100	1	04/07/2024 03:10	WG2262010
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/07/2024 03:10	WG2262010
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/07/2024 03:10	WG2262010
Trichloroethene	U		0.000190	0.00100	1	04/07/2024 03:10	WG2262010
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/07/2024 03:10	WG2262010
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/07/2024 03:10	WG2262010
Vinyl chloride	U		0.000234	0.00100	1	04/07/2024 03:10	WG2262010
o-Xylene	U		0.000174	0.00100	1	04/07/2024 03:10	WG2262010
m&p-Xylene	U		0.000430	0.00200	1	04/07/2024 03:10	WG2262010

MW-43
Collected date/time: 04/03/24 10:20
L1722286

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Xylenes, Total	U		0.000174	0.00300	1	04/07/2024 03:10	WG2262010
(S) Toluene-d8	*103*			*80.0-120*		*04/07/2024 03:10*	WG2262010
(S) 4-Bromofluorobenzene	*108*			*77.0-126*		*04/07/2024 03:10*	WG2262010
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*04/07/2024 03:10*	WG2262010

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) High Fraction	1.21		0.0247	0.100	1	04/12/2024 17:15	WG2264620
(S) o-Terphenyl	*86.3*			*52.0-156*		*04/12/2024 17:15*	WG2264620

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1410		20.0	1	04/10/2024 19:21	WG2263080

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	32.8		0.379	1.00	1	04/05/2024 04:02	WG2260717
Fluoride	1.25		0.0640	0.150	1	04/19/2024 17:12	WG2270305
Nitrate	U		0.0480	0.100	1	04/05/2024 04:02	WG2260717
Nitrite	U		0.0420	0.100	1	04/05/2024 04:02	WG2260717
Sulfate	633		5.94	50.0	10	04/05/2024 08:47	WG2260717

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0386		0.000180	0.00200	1	04/13/2024 18:39	WG2263015
Arsenic,Dissolved	0.0288		0.000180	0.00200	1	04/11/2024 21:31	WG2261161
Barium	0.0231		0.000381	0.00200	1	04/13/2024 18:39	WG2263015
Barium,Dissolved	0.0216		0.000381	0.00200	1	04/11/2024 21:31	WG2261161
Calcium	135		0.0936	1.00	1	04/13/2024 18:39	WG2263015
Chromium	0.144		0.00124	0.00200	1	04/13/2024 18:39	WG2263015
Chromium,Dissolved	0.00478		0.00124	0.00200	1	04/11/2024 21:31	WG2261161
Iron	1.20		0.0281	0.100	1	04/13/2024 18:39	WG2263015
Iron,Dissolved	0.0817	J	0.0281	0.100	1	04/11/2024 21:31	WG2261161
Lead	0.00133	J	0.000849	0.00200	1	04/13/2024 18:39	WG2263015
Lead,Dissolved	U		0.000849	0.00200	1	04/11/2024 21:31	WG2261161
Manganese	0.529		0.000704	0.00500	1	04/13/2024 18:39	WG2263015
Manganese,Dissolved	0.447		0.000704	0.00500	1	04/11/2024 21:31	WG2261161
Potassium	0.435	J	0.108	2.00	1	04/13/2024 18:39	WG2263015
Selenium	U		0.000300	0.00200	1	04/13/2024 18:39	WG2263015
Selenium,Dissolved	U		0.000300	0.00200	1	04/11/2024 21:31	WG2261161
Sodium	176		0.376	2.00	1	04/13/2024 18:39	WG2263015

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.548		0.0314	0.100	1	04/11/2024 01:52	WG2264522
(S) a,a,a-Trifluorotoluene(FID)	*97.7*			*78.0-120*		*04/11/2024 01:52*	WG2264522

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	0.0157	J	0.0113	0.0500	1	04/07/2024 03:31	WG2262010
Benzene	U		0.0000941	0.00100	1	04/07/2024 03:31	WG2262010
Bromodichloromethane	U		0.000136	0.00100	1	04/07/2024 03:31	WG2262010
Bromoform	U		0.000129	0.00100	1	04/07/2024 03:31	WG2262010
Bromomethane	U		0.000605	0.00500	1	04/07/2024 03:31	WG2262010
n-Butylbenzene	U		0.000157	0.00100	1	04/07/2024 03:31	WG2262010
sec-Butylbenzene	0.0110		0.000125	0.00100	1	04/07/2024 03:31	WG2262010
Carbon disulfide	0.000293	B J	0.0000962	0.00100	1	04/07/2024 03:31	WG2262010
Carbon tetrachloride	U		0.000128	0.00100	1	04/07/2024 03:31	WG2262010
Chlorobenzene	U		0.000116	0.00100	1	04/07/2024 03:31	WG2262010
Chlorodibromomethane	U		0.000140	0.00100	1	04/07/2024 03:31	WG2262010
Chloroethane	U		0.000192	0.00500	1	04/07/2024 03:31	WG2262010

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloroform	U		0.000111	0.00500	1	04/07/2024 03:31	WG2262010
Chloromethane	U		0.000960	0.00250	1	04/07/2024 03:31	WG2262010
1,2-Dibromoethane	U		0.000126	0.00100	1	04/07/2024 03:31	WG2262010
1,1-Dichloroethane	U		0.000100	0.00100	1	04/07/2024 03:31	WG2262010
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/07/2024 03:31	WG2262010
1,1-Dichloroethene	U		0.000188	0.00100	1	04/07/2024 03:31	WG2262010
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/07/2024 03:31	WG2262010
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/07/2024 03:31	WG2262010
1,2-Dichloropropane	U		0.000149	0.00100	1	04/07/2024 03:31	WG2262010
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/07/2024 03:31	WG2262010
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/07/2024 03:31	WG2262010
Ethylbenzene	0.000766	J	0.000137	0.00100	1	04/07/2024 03:31	WG2262010
Isopropylbenzene	0.0111		0.000105	0.00100	1	04/07/2024 03:31	WG2262010
p-Isopropyltoluene	U		0.000120	0.00100	1	04/07/2024 03:31	WG2262010
2-Butanone (MEK)	0.0159		0.00119	0.0100	1	04/07/2024 03:31	WG2262010
2-Hexanone	U		0.000787	0.0100	1	04/07/2024 03:31	WG2262010
Methylene Chloride	U		0.000430	0.00500	1	04/07/2024 03:31	WG2262010
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/07/2024 03:31	WG2262010
Methyl tert-butyl ether	0.000373	J	0.000101	0.00100	1	04/07/2024 03:31	WG2262010
Naphthalene	U	J4	0.00100	0.00500	1	04/07/2024 03:31	WG2262010
n-Propylbenzene	0.00395		0.0000993	0.00100	1	04/07/2024 03:31	WG2262010
Styrene	U		0.000118	0.00100	1	04/07/2024 03:31	WG2262010
tert-Butyl alcohol	0.0111		0.00406	0.00500	1	04/07/2024 03:31	WG2262010
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/07/2024 03:31	WG2262010
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/07/2024 03:31	WG2262010
Tetrachloroethene	U		0.000300	0.00100	1	04/07/2024 03:31	WG2262010
Toluene	0.000359	J	0.000278	0.00100	1	04/07/2024 03:31	WG2262010
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/07/2024 03:31	WG2262010
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/07/2024 03:31	WG2262010
Trichloroethene	U		0.000190	0.00100	1	04/07/2024 03:31	WG2262010
1,2,4-Trimethylbenzene	0.000603	J	0.000322	0.00100	1	04/07/2024 03:31	WG2262010
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/07/2024 03:31	WG2262010
Vinyl chloride	U		0.000234	0.00100	1	04/07/2024 03:31	WG2262010
o-Xylene	U		0.000174	0.00100	1	04/07/2024 03:31	WG2262010
m&p-Xylene	0.000683	J	0.000430	0.00200	1	04/07/2024 03:31	WG2262010
Xylenes, Total	0.000683	J	0.000174	0.00300	1	04/07/2024 03:31	WG2262010
(S) Toluene-d8	*112*			*80.0-120*		*04/07/2024 03:31*	WG2262010
(S) 4-Bromofluorobenzene	*109*			*77.0-126*		*04/07/2024 03:31*	WG2262010
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*04/07/2024 03:31*	WG2262010

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	2.16		0.0247	0.100	1	04/12/2024 10:44	WG2264621
(S) o-Terphenyl	*94.2*			*52.0-156*		*04/12/2024 10:44*	WG2264621

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	ND		10.0	1	04/10/2024 19:21	WG2263080

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	U		0.379	1.00	1	04/05/2024 05:54	WG2260715
Fluoride	U		0.0640	0.150	1	04/05/2024 05:54	WG2260715
Nitrate	0.0505	B J	0.0480	0.100	1	04/05/2024 05:54	WG2260715
Nitrite	U		0.0420	0.100	1	04/05/2024 05:54	WG2260715
Sulfate	U		0.594	5.00	1	04/05/2024 05:54	WG2260715

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	U		0.000180	0.00200	1	04/13/2024 18:42	WG2263015
Arsenic,Dissolved	U		0.000180	0.00200	1	04/11/2024 21:34	WG2261161
Barium	U		0.000381	0.00200	1	04/13/2024 18:42	WG2263015
Barium,Dissolved	U		0.000381	0.00200	1	04/11/2024 21:34	WG2261161
Calcium	0.251	J	0.0936	1.00	1	04/13/2024 18:42	WG2263015
Chromium	U		0.00124	0.00200	1	04/13/2024 18:42	WG2263015
Chromium,Dissolved	U		0.00124	0.00200	1	04/11/2024 21:34	WG2261161
Iron	U		0.0281	0.100	1	04/13/2024 18:42	WG2263015
Iron,Dissolved	U		0.0281	0.100	1	04/11/2024 21:34	WG2261161
Lead	U		0.000849	0.00200	1	04/13/2024 18:42	WG2263015
Lead,Dissolved	U		0.000849	0.00200	1	04/11/2024 21:34	WG2261161
Manganese	U		0.000704	0.00500	1	04/13/2024 18:42	WG2263015
Manganese,Dissolved	U		0.000704	0.00500	1	04/11/2024 21:34	WG2261161
Potassium	U		0.108	2.00	1	04/13/2024 18:42	WG2263015
Selenium	U		0.000300	0.00200	1	04/13/2024 18:42	WG2263015
Selenium,Dissolved	U		0.000300	0.00200	1	04/11/2024 21:34	WG2261161
Sodium	U		0.376	2.00	1	04/13/2024 18:42	WG2263015

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0325	J	0.0314	0.100	1	04/11/2024 01:33	WG2264522
(S) a,a,a-Trifluorotoluene(FID)	*95.7*			*78.0-120*		*04/11/2024 01:33*	WG2264522

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 23:58	WG2262010
Benzene	U		0.0000941	0.00100	1	04/06/2024 23:58	WG2262010
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 23:58	WG2262010
Bromoform	U		0.000129	0.00100	1	04/06/2024 23:58	WG2262010
Bromomethane	U		0.000605	0.00500	1	04/06/2024 23:58	WG2262010
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 23:58	WG2262010
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2024 23:58	WG2262010
Carbon disulfide	0.0000999	B J	0.0000962	0.00100	1	04/06/2024 23:58	WG2262010
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 23:58	WG2262010
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 23:58	WG2262010
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 23:58	WG2262010
Chloroethane	U		0.000192	0.00500	1	04/06/2024 23:58	WG2262010

EB-TEL-01
Collected date/time: 04/03/24 08:20
L1722286

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloroform	0.00207	J	0.000111	0.00500	1	04/06/2024 23:58	WG2262010
Chloromethane	U		0.000960	0.00250	1	04/06/2024 23:58	WG2262010
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 23:58	WG2262010
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 23:58	WG2262010
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 23:58	WG2262010
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 23:58	WG2262010
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 23:58	WG2262010
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 23:58	WG2262010
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 23:58	WG2262010
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 23:58	WG2262010
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 23:58	WG2262010
Ethylbenzene	U		0.000137	0.00100	1	04/06/2024 23:58	WG2262010
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2024 23:58	WG2262010
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 23:58	WG2262010
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 23:58	WG2262010
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 23:58	WG2262010
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 23:58	WG2262010
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 23:58	WG2262010
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/06/2024 23:58	WG2262010
Naphthalene	U	J4	0.00100	0.00500	1	04/06/2024 23:58	WG2262010
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2024 23:58	WG2262010
Styrene	U		0.000118	0.00100	1	04/06/2024 23:58	WG2262010
tert-Butyl alcohol	U		0.00406	0.00500	1	04/06/2024 23:58	WG2262010
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 23:58	WG2262010
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 23:58	WG2262010
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 23:58	WG2262010
Toluene	U		0.000278	0.00100	1	04/06/2024 23:58	WG2262010
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 23:58	WG2262010
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 23:58	WG2262010
Trichloroethene	U		0.000190	0.00100	1	04/06/2024 23:58	WG2262010
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2024 23:58	WG2262010
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2024 23:58	WG2262010
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 23:58	WG2262010
o-Xylene	U		0.000174	0.00100	1	04/06/2024 23:58	WG2262010
m&p-Xylene	U		0.000430	0.00200	1	04/06/2024 23:58	WG2262010
Xylenes, Total	U		0.000174	0.00300	1	04/06/2024 23:58	WG2262010
(S) Toluene-d8	*105*			*80.0-120*		*04/06/2024 23:58*	WG2262010
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*04/06/2024 23:58*	WG2262010
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*04/06/2024 23:58*	WG2262010

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.231		0.0247	0.100	1	04/12/2024 11:04	WG2264621
(S) o-Terphenyl	*80.0*			*52.0-156*		*04/12/2024 11:04*	WG2264621

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2024 23:37	WG2262010
Benzene	U		0.0000941	0.00100	1	04/06/2024 23:37	WG2262010
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2024 23:37	WG2262010
Bromoform	U		0.000129	0.00100	1	04/06/2024 23:37	WG2262010
Bromomethane	U		0.000605	0.00500	1	04/06/2024 23:37	WG2262010
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2024 23:37	WG2262010
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2024 23:37	WG2262010
Carbon disulfide	0.000112	B J	0.0000962	0.00100	1	04/06/2024 23:37	WG2262010
Carbon tetrachloride	U		0.000128	0.00100	1	04/06/2024 23:37	WG2262010
Chlorobenzene	U		0.000116	0.00100	1	04/06/2024 23:37	WG2262010
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2024 23:37	WG2262010
Chloroethane	U		0.000192	0.00500	1	04/06/2024 23:37	WG2262010
Chloroform	U		0.000111	0.00500	1	04/06/2024 23:37	WG2262010
Chloromethane	U		0.000960	0.00250	1	04/06/2024 23:37	WG2262010
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2024 23:37	WG2262010
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2024 23:37	WG2262010
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2024 23:37	WG2262010
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2024 23:37	WG2262010
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2024 23:37	WG2262010
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2024 23:37	WG2262010
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2024 23:37	WG2262010
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2024 23:37	WG2262010
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/06/2024 23:37	WG2262010
Ethylbenzene	U		0.000137	0.00100	1	04/06/2024 23:37	WG2262010
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2024 23:37	WG2262010
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2024 23:37	WG2262010
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2024 23:37	WG2262010
2-Hexanone	U		0.000787	0.0100	1	04/06/2024 23:37	WG2262010
Methylene Chloride	U		0.000430	0.00500	1	04/06/2024 23:37	WG2262010
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2024 23:37	WG2262010
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/06/2024 23:37	WG2262010
Naphthalene	U	J4	0.00100	0.00500	1	04/06/2024 23:37	WG2262010
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2024 23:37	WG2262010
Styrene	U		0.000118	0.00100	1	04/06/2024 23:37	WG2262010
tert-Butyl alcohol	U		0.00406	0.00500	1	04/06/2024 23:37	WG2262010
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/06/2024 23:37	WG2262010
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2024 23:37	WG2262010
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2024 23:37	WG2262010
Toluene	U		0.000278	0.00100	1	04/06/2024 23:37	WG2262010
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2024 23:37	WG2262010
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2024 23:37	WG2262010
Trichloroethene	U		0.000190	0.00100	1	04/06/2024 23:37	WG2262010
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2024 23:37	WG2262010
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2024 23:37	WG2262010
Vinyl chloride	U		0.000234	0.00100	1	04/06/2024 23:37	WG2262010
o-Xylene	U		0.000174	0.00100	1	04/06/2024 23:37	WG2262010
m&p-Xylene	U		0.000430	0.00200	1	04/06/2024 23:37	WG2262010
Xylenes, Total	U		0.000174	0.00300	1	04/06/2024 23:37	WG2262010
(S) Toluene-d8	*106*			*80.0-120*		*04/06/2024 23:37*	WG2262010
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*04/06/2024 23:37*	WG2262010
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*04/06/2024 23:37*	WG2262010

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2890		50.0	1	04/10/2024 15:13	WG2263069

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	141		3.79	10.0	10	04/05/2024 07:11	WG2260724
Fluoride	0.772	J	0.640	1.50	10	04/05/2024 07:11	WG2260724
Nitrate	U		0.480	1.00	10	04/05/2024 07:11	WG2260724
Nitrite	0.680	J	0.420	1.00	10	04/05/2024 07:11	WG2260724
Sulfate	1770		5.94	50.0	10	04/05/2024 07:11	WG2260724

Sample Narrative:

L1722286-73 WG2260724: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00885		0.000180	0.00200	1	04/13/2024 18:52	WG2263015
Arsenic,Dissolved	0.00813		0.000180	0.00200	1	04/11/2024 21:38	WG2261161
Barium	0.0278		0.000381	0.00200	1	04/13/2024 18:52	WG2263015
Barium,Dissolved	0.0245		0.000381	0.00200	1	04/11/2024 21:38	WG2261161
Calcium	365		0.0936	1.00	1	04/13/2024 18:52	WG2263015
Chromium	U		0.00124	0.00200	1	04/13/2024 18:52	WG2263015
Chromium,Dissolved	U		0.00124	0.00200	1	04/11/2024 21:38	WG2261161
Iron	0.329		0.0281	0.100	1	04/13/2024 18:52	WG2263015
Iron,Dissolved	0.288		0.0281	0.100	1	04/11/2024 21:38	WG2261161
Lead	U		0.000849	0.00200	1	04/13/2024 18:52	WG2263015
Lead,Dissolved	U		0.000849	0.00200	1	04/11/2024 21:38	WG2261161
Manganese	1.48		0.000704	0.00500	1	04/13/2024 18:52	WG2263015
Manganese,Dissolved	1.35		0.000704	0.00500	1	04/11/2024 21:38	WG2261161
Potassium	0.455	J	0.108	2.00	1	04/13/2024 18:52	WG2263015
Selenium	U		0.000300	0.00200	1	04/13/2024 18:52	WG2263015
Selenium,Dissolved	U		0.000300	0.00200	1	04/11/2024 21:38	WG2261161
Sodium	264		0.376	2.00	1	04/13/2024 18:52	WG2263015

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.242		0.0314	0.100	1	04/11/2024 02:12	WG2264522
(S) a,a,a-Trifluorotoluene(FID)	*98.3*			*78.0-120*		*04/11/2024 02:12*	WG2264522

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/07/2024 03:52	WG2262010
Benzene	U		0.0000941	0.00100	1	04/07/2024 03:52	WG2262010
Bromodichloromethane	U		0.000136	0.00100	1	04/07/2024 03:52	WG2262010
Bromoform	U		0.000129	0.00100	1	04/07/2024 03:52	WG2262010
Bromomethane	U		0.000605	0.00500	1	04/07/2024 03:52	WG2262010
n-Butylbenzene	U		0.000157	0.00100	1	04/07/2024 03:52	WG2262010
sec-Butylbenzene	0.00201		0.000125	0.00100	1	04/07/2024 03:52	WG2262010
Carbon disulfide	0.000269	B J	0.0000962	0.00100	1	04/07/2024 03:52	WG2262010
Carbon tetrachloride	U		0.000128	0.00100	1	04/07/2024 03:52	WG2262010

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chlorobenzene	0.000613	J	0.000116	0.00100	1	04/07/2024 03:52	WG2262010
Chlorodibromomethane	U		0.000140	0.00100	1	04/07/2024 03:52	WG2262010
Chloroethane	U		0.000192	0.00500	1	04/07/2024 03:52	WG2262010
Chloroform	U		0.000111	0.00500	1	04/07/2024 03:52	WG2262010
Chloromethane	U		0.000960	0.00250	1	04/07/2024 03:52	WG2262010
1,2-Dibromoethane	U		0.000126	0.00100	1	04/07/2024 03:52	WG2262010
1,1-Dichloroethane	U		0.000100	0.00100	1	04/07/2024 03:52	WG2262010
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/07/2024 03:52	WG2262010
1,1-Dichloroethene	U		0.000188	0.00100	1	04/07/2024 03:52	WG2262010
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/07/2024 03:52	WG2262010
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/07/2024 03:52	WG2262010
1,2-Dichloropropane	U		0.000149	0.00100	1	04/07/2024 03:52	WG2262010
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/07/2024 03:52	WG2262010
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/07/2024 03:52	WG2262010
Ethylbenzene	U		0.000137	0.00100	1	04/07/2024 03:52	WG2262010
Isopropylbenzene	0.00322		0.000105	0.00100	1	04/07/2024 03:52	WG2262010
p-Isopropyltoluene	U		0.000120	0.00100	1	04/07/2024 03:52	WG2262010
2-Butanone (MEK)	U		0.00119	0.0100	1	04/07/2024 03:52	WG2262010
2-Hexanone	U		0.000787	0.0100	1	04/07/2024 03:52	WG2262010
Methylene Chloride	U		0.000430	0.00500	1	04/07/2024 03:52	WG2262010
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/07/2024 03:52	WG2262010
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/07/2024 03:52	WG2262010
Naphthalene	U	J4	0.00100	0.00500	1	04/07/2024 03:52	WG2262010
n-Propylbenzene	U		0.0000993	0.00100	1	04/07/2024 03:52	WG2262010
Styrene	U		0.000118	0.00100	1	04/07/2024 03:52	WG2262010
tert-Butyl alcohol	U		0.00406	0.00500	1	04/07/2024 03:52	WG2262010
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/07/2024 03:52	WG2262010
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/07/2024 03:52	WG2262010
Tetrachloroethene	U		0.000300	0.00100	1	04/07/2024 03:52	WG2262010
Toluene	U		0.000278	0.00100	1	04/07/2024 03:52	WG2262010
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/07/2024 03:52	WG2262010
1,1,2-Trichloroethane	0.00148		0.000158	0.00100	1	04/07/2024 03:52	WG2262010
Trichloroethene	U		0.000190	0.00100	1	04/07/2024 03:52	WG2262010
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/07/2024 03:52	WG2262010
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/07/2024 03:52	WG2262010
Vinyl chloride	U		0.000234	0.00100	1	04/07/2024 03:52	WG2262010
o-Xylene	U		0.000174	0.00100	1	04/07/2024 03:52	WG2262010
m&p-Xylene	U		0.000430	0.00200	1	04/07/2024 03:52	WG2262010
Xylenes, Total	U		0.000174	0.00300	1	04/07/2024 03:52	WG2262010
(S) Toluene-d8	*112*			*80.0-120*		*04/07/2024 03:52*	WG2262010
(S) 4-Bromofluorobenzene	*111*			*77.0-126*		*04/07/2024 03:52*	WG2262010
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*04/07/2024 03:52*	WG2262010

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1.15		0.0247	0.100	1	04/12/2024 11:24	WG2264621
(S) o-Terphenyl	*78.9*			*52.0-156*		*04/12/2024 11:24*	WG2264621

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	5220		100	1	04/10/2024 15:13	WG2263069

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	177		3.79	10.0	10	04/05/2024 07:24	WG2260724
Fluoride	2.66		0.640	1.50	10	04/05/2024 07:24	WG2260724
Nitrate	26.5		0.480	1.00	10	04/05/2024 07:24	WG2260724
Nitrite	0.784	J	0.420	1.00	10	04/05/2024 07:24	WG2260724
Sulfate	2890		59.4	500	100	04/05/2024 13:48	WG2260724

Sample Narrative:

L1722286-74 WG2260724: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold Nitrate data

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00495		0.000180	0.00200	1	04/13/2024 18:56	WG2263015
Arsenic,Dissolved	0.00321		0.000180	0.00200	1	04/11/2024 20:28	WG2261161
Barium	0.0149		0.000381	0.00200	1	04/13/2024 18:56	WG2263015
Barium,Dissolved	0.0123		0.000381	0.00200	1	04/11/2024 20:28	WG2261161
Calcium	418		0.0936	1.00	1	04/13/2024 18:56	WG2263015
Chromium	U		0.00124	0.00200	1	04/13/2024 18:56	WG2263015
Chromium,Dissolved	U		0.00124	0.00200	1	04/11/2024 20:28	WG2261161
Iron	0.379		0.0281	0.100	1	04/13/2024 18:56	WG2263015
Iron,Dissolved	U		0.0281	0.100	1	04/11/2024 20:28	WG2261161
Lead	U		0.000849	0.00200	1	04/13/2024 18:56	WG2263015
Lead,Dissolved	U		0.000849	0.00200	1	04/11/2024 20:28	WG2261161
Manganese	0.245		0.000704	0.00500	1	04/13/2024 18:56	WG2263015
Manganese,Dissolved	0.295	V	0.000704	0.00500	1	04/11/2024 20:28	WG2261161
Potassium	2.98		0.108	2.00	1	04/13/2024 18:56	WG2263015
Selenium	0.0294		0.000300	0.00200	1	04/13/2024 18:56	WG2263015
Selenium,Dissolved	0.0232		0.000300	0.00200	1	04/11/2024 20:28	WG2261161
Sodium	361		0.376	2.00	1	04/13/2024 18:56	WG2263015

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/07/2024 04:14	WG2262010
Benzene	U		0.0000941	0.00100	1	04/07/2024 04:14	WG2262010
Bromodichloromethane	U		0.000136	0.00100	1	04/07/2024 04:14	WG2262010
Bromoform	U		0.000129	0.00100	1	04/07/2024 04:14	WG2262010
Bromomethane	U		0.000605	0.00500	1	04/07/2024 04:14	WG2262010
n-Butylbenzene	U		0.000157	0.00100	1	04/07/2024 04:14	WG2262010
sec-Butylbenzene	U		0.000125	0.00100	1	04/07/2024 04:14	WG2262010
Carbon disulfide	0.000229	B J	0.0000962	0.00100	1	04/07/2024 04:14	WG2262010
Carbon tetrachloride	U		0.000128	0.00100	1	04/07/2024 04:14	WG2262010
Chlorobenzene	U		0.000116	0.00100	1	04/07/2024 04:14	WG2262010
Chlorodibromomethane	U		0.000140	0.00100	1	04/07/2024 04:14	WG2262010
Chloroethane	U		0.000192	0.00500	1	04/07/2024 04:14	WG2262010
Chloroform	U		0.000111	0.00500	1	04/07/2024 04:14	WG2262010
Chloromethane	U		0.000960	0.00250	1	04/07/2024 04:14	WG2262010
1,2-Dibromoethane	U		0.000126	0.00100	1	04/07/2024 04:14	WG2262010
1,1-Dichloroethane	U		0.000100	0.00100	1	04/07/2024 04:14	WG2262010

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/07/2024 04:14	WG2262010
1,1-Dichloroethene	U		0.000188	0.00100	1	04/07/2024 04:14	WG2262010
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/07/2024 04:14	WG2262010
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/07/2024 04:14	WG2262010
1,2-Dichloropropane	U		0.000149	0.00100	1	04/07/2024 04:14	WG2262010
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/07/2024 04:14	WG2262010
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/07/2024 04:14	WG2262010
Ethylbenzene	U		0.000137	0.00100	1	04/07/2024 04:14	WG2262010
Isopropylbenzene	U		0.000105	0.00100	1	04/07/2024 04:14	WG2262010
p-Isopropyltoluene	U		0.000120	0.00100	1	04/07/2024 04:14	WG2262010
2-Butanone (MEK)	U		0.00119	0.0100	1	04/07/2024 04:14	WG2262010
2-Hexanone	U		0.000787	0.0100	1	04/07/2024 04:14	WG2262010
Methylene Chloride	U		0.000430	0.00500	1	04/07/2024 04:14	WG2262010
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/07/2024 04:14	WG2262010
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/07/2024 04:14	WG2262010
Naphthalene	U	J4	0.00100	0.00500	1	04/07/2024 04:14	WG2262010
n-Propylbenzene	U		0.0000993	0.00100	1	04/07/2024 04:14	WG2262010
Styrene	U		0.000118	0.00100	1	04/07/2024 04:14	WG2262010
tert-Butyl alcohol	U		0.00406	0.00500	1	04/07/2024 04:14	WG2262010
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/07/2024 04:14	WG2262010
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/07/2024 04:14	WG2262010
Tetrachloroethene	U		0.000300	0.00100	1	04/07/2024 04:14	WG2262010
Toluene	U		0.000278	0.00100	1	04/07/2024 04:14	WG2262010
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/07/2024 04:14	WG2262010
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/07/2024 04:14	WG2262010
Trichloroethene	U		0.000190	0.00100	1	04/07/2024 04:14	WG2262010
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/07/2024 04:14	WG2262010
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/07/2024 04:14	WG2262010
Vinyl chloride	U		0.000234	0.00100	1	04/07/2024 04:14	WG2262010
o-Xylene	U		0.000174	0.00100	1	04/07/2024 04:14	WG2262010
m&p-Xylene	U		0.000430	0.00200	1	04/07/2024 04:14	WG2262010
Xylenes, Total	U		0.000174	0.00300	1	04/07/2024 04:14	WG2262010
(S) Toluene-d8	*107*			*80.0-120*		*04/07/2024 04:14*	WG2262010
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*04/07/2024 04:14*	WG2262010
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*04/07/2024 04:14*	WG2262010

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.352		0.0247	0.100	1	04/13/2024 21:08	WG2266295
(S) o-Terphenyl	*80.0*			*52.0-156*		*04/13/2024 21:08*	WG2266295

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1610		25.0	1	04/10/2024 19:21	WG2263080

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	26.4		0.379	1.00	1	04/05/2024 07:37	WG2260724
Fluoride	1.04		0.0640	0.150	1	04/05/2024 07:37	WG2260724
Nitrate	U		0.0480	0.100	1	04/05/2024 07:37	WG2260724
Nitrite	0.0790	J	0.0420	0.100	1	04/05/2024 07:37	WG2260724
Sulfate	794		5.94	50.0	10	04/05/2024 14:01	WG2260724

Sample Narrative:

L1722286-75 WG2260724: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.000446	J	0.000180	0.00200	1	04/13/2024 18:59	WG2263015
Arsenic,Dissolved	0.000316	J	0.000180	0.00200	1	04/11/2024 21:41	WG2261161
Barium	0.0448		0.000381	0.00200	1	04/13/2024 18:59	WG2263015
Barium,Dissolved	0.0379		0.000381	0.00200	1	04/11/2024 21:41	WG2261161
Calcium	214		0.0936	1.00	1	04/13/2024 18:59	WG2263015
Chromium	U		0.00124	0.00200	1	04/13/2024 18:59	WG2263015
Chromium,Dissolved	U		0.00124	0.00200	1	04/11/2024 21:41	WG2261161
Iron	0.332		0.0281	0.100	1	04/13/2024 18:59	WG2263015
Iron,Dissolved	U		0.0281	0.100	1	04/11/2024 21:41	WG2261161
Lead	U		0.000849	0.00200	1	04/13/2024 18:59	WG2263015
Lead,Dissolved	U		0.000849	0.00200	1	04/11/2024 21:41	WG2261161
Manganese	0.0565		0.000704	0.00500	1	04/13/2024 18:59	WG2263015
Manganese,Dissolved	0.0450		0.000704	0.00500	1	04/11/2024 21:41	WG2261161
Potassium	0.347	J	0.108	2.00	1	04/13/2024 18:59	WG2263015
Selenium	U		0.000300	0.00200	1	04/13/2024 18:59	WG2263015
Selenium,Dissolved	U		0.000300	0.00200	1	04/11/2024 21:41	WG2261161
Sodium	40.2		0.376	2.00	1	04/13/2024 18:59	WG2263015

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/07/2024 04:35	WG2262010
Benzene	0.00959		0.0000941	0.00100	1	04/07/2024 04:35	WG2262010
Bromodichloromethane	U		0.000136	0.00100	1	04/07/2024 04:35	WG2262010
Bromoform	U		0.000129	0.00100	1	04/07/2024 04:35	WG2262010
Bromomethane	U		0.000605	0.00500	1	04/07/2024 04:35	WG2262010
n-Butylbenzene	0.000690	J	0.000157	0.00100	1	04/07/2024 04:35	WG2262010
sec-Butylbenzene	0.00260		0.000125	0.00100	1	04/07/2024 04:35	WG2262010
Carbon disulfide	0.000375	B J	0.0000962	0.00100	1	04/07/2024 04:35	WG2262010
Carbon tetrachloride	U		0.000128	0.00100	1	04/07/2024 04:35	WG2262010
Chlorobenzene	U		0.000116	0.00100	1	04/07/2024 04:35	WG2262010
Chlorodibromomethane	U		0.000140	0.00100	1	04/07/2024 04:35	WG2262010
Chloroethane	U		0.000192	0.00500	1	04/07/2024 04:35	WG2262010
Chloroform	U		0.000111	0.00500	1	04/07/2024 04:35	WG2262010
Chloromethane	U		0.000960	0.00250	1	04/07/2024 04:35	WG2262010
1,2-Dibromoethane	U		0.000126	0.00100	1	04/07/2024 04:35	WG2262010
1,1-Dichloroethane	U		0.000100	0.00100	1	04/07/2024 04:35	WG2262010

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/07/2024 04:35	WG2262010
1,1-Dichloroethene	U		0.000188	0.00100	1	04/07/2024 04:35	WG2262010
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/07/2024 04:35	WG2262010
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/07/2024 04:35	WG2262010
1,2-Dichloropropane	U		0.000149	0.00100	1	04/07/2024 04:35	WG2262010
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/07/2024 04:35	WG2262010
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/07/2024 04:35	WG2262010
Ethylbenzene	0.000189	J	0.000137	0.00100	1	04/07/2024 04:35	WG2262010
Isopropylbenzene	0.0179		0.000105	0.00100	1	04/07/2024 04:35	WG2262010
p-Isopropyltoluene	U		0.000120	0.00100	1	04/07/2024 04:35	WG2262010
2-Butanone (MEK)	U		0.00119	0.0100	1	04/07/2024 04:35	WG2262010
2-Hexanone	U		0.000787	0.0100	1	04/07/2024 04:35	WG2262010
Methylene Chloride	U		0.000430	0.00500	1	04/07/2024 04:35	WG2262010
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/07/2024 04:35	WG2262010
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/07/2024 04:35	WG2262010
Naphthalene	U	J4	0.00100	0.00500	1	04/07/2024 04:35	WG2262010
n-Propylbenzene	0.00634		0.0000993	0.00100	1	04/07/2024 04:35	WG2262010
Styrene	U		0.000118	0.00100	1	04/07/2024 04:35	WG2262010
tert-Butyl alcohol	U		0.00406	0.00500	1	04/07/2024 04:35	WG2262010
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/07/2024 04:35	WG2262010
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/07/2024 04:35	WG2262010
Tetrachloroethene	U		0.000300	0.00100	1	04/07/2024 04:35	WG2262010
Toluene	U		0.000278	0.00100	1	04/07/2024 04:35	WG2262010
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/07/2024 04:35	WG2262010
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/07/2024 04:35	WG2262010
Trichloroethene	U		0.000190	0.00100	1	04/07/2024 04:35	WG2262010
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/07/2024 04:35	WG2262010
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/07/2024 04:35	WG2262010
Vinyl chloride	U		0.000234	0.00100	1	04/07/2024 04:35	WG2262010
o-Xylene	U		0.000174	0.00100	1	04/07/2024 04:35	WG2262010
m&p-Xylene	0.000808	J	0.000430	0.00200	1	04/07/2024 04:35	WG2262010
Xylenes, Total	0.000808	J	0.000174	0.00300	1	04/07/2024 04:35	WG2262010
(S) Toluene-d8	*103*			*80.0-120*		*04/07/2024 04:35*	WG2262010
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*04/07/2024 04:35*	WG2262010
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*04/07/2024 04:35*	WG2262010

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	2.23		0.0247	0.100	1	04/12/2024 12:05	WG2264621
(S) o-Terphenyl	*92.1*			*52.0-156*		*04/12/2024 12:05*	WG2264621

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1750		50.0	1	04/10/2024 15:13	WG2263069

Wet Chemistry by Method 4500CN E-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Cyanide	U		0.00180	0.00500	1	04/12/2024 01:15	WG2265273

Sample Narrative:

L1722286-76 WG2265273: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	297		1.90	5.00	5	04/05/2024 14:40	WG2260724
Fluoride	1.05		0.0640	0.150	1	04/05/2024 07:50	WG2260724
Nitrate	0.785		0.0480	0.100	1	04/05/2024 07:50	WG2260724
Nitrate	1.64	Q	0.0480	0.100	1	04/17/2024 07:20	WG2268461
Nitrite	U		0.0420	0.100	1	04/05/2024 07:50	WG2260724
Sulfate	697		2.97	25.0	5	04/05/2024 14:40	WG2260724

Sample Narrative:

L1722286-76 WG2260724: Duplicate Analysis performed due to QC failure. Results don't confirm; both NO3 analyses reported .

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.000100	0.000200	1	04/06/2024 19:40	WG2261019
Mercury,Dissolved	U		0.000100	0.000200	1	04/06/2024 17:30	WG2261024

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.590		0.0200	0.200	1	04/09/2024 20:43	WG2262487
Boron,Dissolved	0.587		0.0200	0.200	1	04/09/2024 16:46	WG2261155

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00575		0.000180	0.00200	1	04/13/2024 19:02	WG2263015
Arsenic,Dissolved	0.00567		0.000180	0.00200	1	04/11/2024 21:44	WG2261161
Barium	0.0157		0.000381	0.00200	1	04/13/2024 19:02	WG2263015
Barium,Dissolved	0.0127		0.000381	0.00200	1	04/11/2024 21:44	WG2261161
Cadmium	U		0.000150	0.00100	1	04/13/2024 19:02	WG2263015
Cadmium,Dissolved	U		0.000150	0.00100	1	04/11/2024 21:44	WG2261161
Calcium	211		0.0936	1.00	1	04/13/2024 19:02	WG2263015
Chromium	U		0.00124	0.00200	1	04/13/2024 19:02	WG2263015
Chromium,Dissolved	U		0.00124	0.00200	1	04/11/2024 21:44	WG2261161
Cobalt	0.000703	J	0.0000596	0.00200	1	04/13/2024 19:02	WG2263015
Cobalt,Dissolved	0.000298	J	0.0000596	0.00200	1	04/11/2024 21:44	WG2261161
Iron	0.168		0.0281	0.100	1	04/13/2024 19:02	WG2263015
Iron,Dissolved	U		0.0281	0.100	1	04/11/2024 21:44	WG2261161
Lead	U		0.000849	0.00200	1	04/13/2024 19:02	WG2263015
Lead,Dissolved	U		0.000849	0.00200	1	04/11/2024 21:44	WG2261161

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Manganese	0.245		0.000704	0.00500	1	04/13/2024 19:02	WG2263015
Manganese,Dissolved	0.176		0.000704	0.00500	1	04/11/2024 21:44	WG2261161
Nickel	0.0134		0.000816	0.00200	1	04/13/2024 19:02	WG2263015
Nickel,Dissolved	0.00452		0.000816	0.00200	1	04/11/2024 21:44	WG2261161
Potassium	0.622	J	0.108	2.00	1	04/13/2024 19:02	WG2263015
Selenium	0.00148	J	0.000300	0.00200	1	04/13/2024 19:02	WG2263015
Selenium,Dissolved	0.000960	J	0.000300	0.00200	1	04/11/2024 21:44	WG2261161
Sodium	252		0.376	2.00	1	04/13/2024 19:02	WG2263015
Uranium	0.0207		0.0000789	0.00100	1	04/13/2024 19:02	WG2263015
Uranium,Dissolved	0.0166		0.0000789	0.00100	1	04/11/2024 21:44	WG2261161
Vanadium	0.0170		0.000664	0.00500	1	04/13/2024 19:02	WG2263015
Vanadium,Dissolved	0.0151		0.000664	0.00500	1	04/11/2024 21:44	WG2261161

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0326	J	0.0314	0.100	1	04/11/2024 02:31	WG2264522
(S) a,a,a-Trifluorotoluene(FID)	*97.3*			*78.0-120*		*04/11/2024 02:31*	WG2264522

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.113	0.500	10	04/07/2024 06:00	WG2262010
Benzene	0.00100	J	0.000941	0.0100	10	04/07/2024 06:00	WG2262010
Bromodichloromethane	U		0.00136	0.0100	10	04/07/2024 06:00	WG2262010
Bromoform	U		0.00129	0.0100	10	04/07/2024 06:00	WG2262010
Bromomethane	U		0.00605	0.0500	10	04/07/2024 06:00	WG2262010
n-Butylbenzene	U		0.00157	0.0100	10	04/07/2024 06:00	WG2262010
sec-Butylbenzene	U		0.00125	0.0100	10	04/07/2024 06:00	WG2262010
Carbon disulfide	0.00440	B J	0.000962	0.0100	10	04/07/2024 06:00	WG2262010
Carbon tetrachloride	U		0.00128	0.0100	10	04/07/2024 06:00	WG2262010
Chlorobenzene	U		0.00116	0.0100	10	04/07/2024 06:00	WG2262010
Chlorodibromomethane	U		0.00140	0.0100	10	04/07/2024 06:00	WG2262010
Chloroethane	U		0.00192	0.0500	10	04/07/2024 06:00	WG2262010
Chloroform	U		0.00111	0.0500	10	04/07/2024 06:00	WG2262010
Chloromethane	U		0.00960	0.0250	10	04/07/2024 06:00	WG2262010
1,2-Dibromoethane	U		0.00126	0.0100	10	04/07/2024 06:00	WG2262010
1,1-Dichloroethane	U		0.00100	0.0100	10	04/07/2024 06:00	WG2262010
1,2-Dichloroethane	U		0.000819	0.0100	10	04/07/2024 06:00	WG2262010
1,1-Dichloroethene	U		0.00188	0.0100	10	04/07/2024 06:00	WG2262010
cis-1,2-Dichloroethene	U		0.00126	0.0100	10	04/07/2024 06:00	WG2262010
trans-1,2-Dichloroethene	U		0.00149	0.0100	10	04/07/2024 06:00	WG2262010
1,2-Dichloropropane	U		0.00149	0.0100	10	04/07/2024 06:00	WG2262010
cis-1,3-Dichloropropene	U		0.00111	0.0100	10	04/07/2024 06:00	WG2262010
trans-1,3-Dichloropropene	U		0.00118	0.0100	10	04/07/2024 06:00	WG2262010
Ethylbenzene	U		0.00137	0.0100	10	04/07/2024 06:00	WG2262010
Isopropylbenzene	U		0.00105	0.0100	10	04/07/2024 06:00	WG2262010
p-Isopropyltoluene	U		0.00120	0.0100	10	04/07/2024 06:00	WG2262010
2-Butanone (MEK)	U		0.0119	0.100	10	04/07/2024 06:00	WG2262010
2-Hexanone	U		0.00787	0.100	10	04/07/2024 06:00	WG2262010
Methylene Chloride	U		0.00430	0.0500	10	04/07/2024 06:00	WG2262010
4-Methyl-2-pentanone (MIBK)	U		0.00478	0.100	10	04/07/2024 06:00	WG2262010
Methyl tert-butyl ether	0.121		0.00101	0.0100	10	04/07/2024 06:00	WG2262010
Naphthalene	U	J4	0.0100	0.0500	10	04/07/2024 06:00	WG2262010
n-Propylbenzene	U		0.000993	0.0100	10	04/07/2024 06:00	WG2262010

MW-33
Collected date/time: 04/03/24 11:15
L1722286

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Styrene	U		0.00118	0.0100	10	04/07/2024 06:00	WG2262010
tert-Butyl alcohol	U		0.0406	0.0500	10	04/07/2024 06:00	WG2262010
1,1,1,2-Tetrachloroethane	U		0.00147	0.0100	10	04/07/2024 06:00	WG2262010
1,1,2,2-Tetrachloroethane	U		0.00133	0.0100	10	04/07/2024 06:00	WG2262010
Tetrachloroethene	U		0.00300	0.0100	10	04/07/2024 06:00	WG2262010
Toluene	U		0.00278	0.0100	10	04/07/2024 06:00	WG2262010
1,1,1-Trichloroethane	U		0.00149	0.0100	10	04/07/2024 06:00	WG2262010
1,1,2-Trichloroethane	U		0.00158	0.0100	10	04/07/2024 06:00	WG2262010
Trichloroethene	U		0.00190	0.0100	10	04/07/2024 06:00	WG2262010
1,2,4-Trimethylbenzene	U		0.00322	0.0100	10	04/07/2024 06:00	WG2262010
1,3,5-Trimethylbenzene	U		0.00104	0.0100	10	04/07/2024 06:00	WG2262010
Vinyl chloride	U		0.00234	0.0100	10	04/07/2024 06:00	WG2262010
o-Xylene	U		0.00174	0.0100	10	04/07/2024 06:00	WG2262010
m&p-Xylene	U		0.00430	0.0200	10	04/07/2024 06:00	WG2262010
Xylenes, Total	U		0.00174	0.0300	10	04/07/2024 06:00	WG2262010
(S) Toluene-d8	*107*			*80.0-120*		*04/07/2024 06:00*	WG2262010
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*04/07/2024 06:00*	WG2262010
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*04/07/2024 06:00*	WG2262010

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) High Fraction	1.34		0.0247	0.100	1	04/13/2024 22:29	WG2266295
(S) o-Terphenyl	*71.1*			*52.0-156*		*04/13/2024 22:29*	WG2266295

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2690		50.0	1	04/10/2024 19:21	WG2263080

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	217		3.79	10.0	10	04/05/2024 20:46	WG2260720
Fluoride	1.05	J	0.640	1.50	10	04/05/2024 20:46	WG2260720
Nitrate	U	Q	0.480	1.00	10	04/05/2024 20:46	WG2260720
Nitrite	U	Q	0.420	1.00	10	04/05/2024 20:46	WG2260720
Sulfate	1270		5.94	50.0	10	04/05/2024 20:46	WG2260720

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00454		0.000180	0.00200	1	04/13/2024 19:05	WG2263015
Arsenic,Dissolved	0.00387		0.000180	0.00200	1	04/11/2024 21:48	WG2261161
Barium	0.0175		0.000381	0.00200	1	04/13/2024 19:05	WG2263015
Barium,Dissolved	0.0149		0.000381	0.00200	1	04/11/2024 21:48	WG2261161
Calcium	457		0.0936	1.00	1	04/13/2024 19:05	WG2263015
Chromium	U		0.00124	0.00200	1	04/13/2024 19:05	WG2263015
Chromium,Dissolved	U		0.00124	0.00200	1	04/11/2024 21:48	WG2261161
Iron	0.102		0.0281	0.100	1	04/13/2024 19:05	WG2263015
Iron,Dissolved	0.0428	J	0.0281	0.100	1	04/11/2024 21:48	WG2261161
Lead	U		0.000849	0.00200	1	04/13/2024 19:05	WG2263015
Lead,Dissolved	U		0.000849	0.00200	1	04/11/2024 21:48	WG2261161
Manganese	1.03		0.000704	0.00500	1	04/13/2024 19:05	WG2263015
Manganese,Dissolved	0.923		0.000704	0.00500	1	04/11/2024 21:48	WG2261161
Potassium	0.370	J	0.108	2.00	1	04/13/2024 19:05	WG2263015
Selenium	0.000370	J	0.000300	0.00200	1	04/13/2024 19:05	WG2263015
Selenium,Dissolved	U		0.000300	0.00200	1	04/11/2024 21:48	WG2261161
Sodium	79.5		0.376	2.00	1	04/13/2024 19:05	WG2263015

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/07/2024 01:54	WG2262024
Benzene	U		0.0000941	0.00100	1	04/07/2024 01:54	WG2262024
Bromodichloromethane	U		0.000136	0.00100	1	04/07/2024 01:54	WG2262024
Bromoform	U		0.000129	0.00100	1	04/07/2024 01:54	WG2262024
Bromomethane	U		0.000605	0.00500	1	04/07/2024 01:54	WG2262024
n-Butylbenzene	U		0.000157	0.00100	1	04/07/2024 01:54	WG2262024
sec-Butylbenzene	U		0.000125	0.00100	1	04/07/2024 01:54	WG2262024
Carbon disulfide	U		0.0000962	0.00100	1	04/07/2024 01:54	WG2262024
Carbon tetrachloride	U		0.000128	0.00100	1	04/07/2024 01:54	WG2262024
Chlorobenzene	U		0.000116	0.00100	1	04/07/2024 01:54	WG2262024
Chlorodibromomethane	U		0.000140	0.00100	1	04/07/2024 01:54	WG2262024
Chloroethane	U		0.000192	0.00500	1	04/07/2024 01:54	WG2262024
Chloroform	U		0.000111	0.00500	1	04/07/2024 01:54	WG2262024
Chloromethane	U		0.000960	0.00250	1	04/07/2024 01:54	WG2262024
1,2-Dibromoethane	U		0.000126	0.00100	1	04/07/2024 01:54	WG2262024
1,1-Dichloroethane	U		0.000100	0.00100	1	04/07/2024 01:54	WG2262024
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/07/2024 01:54	WG2262024
1,1-Dichloroethene	U		0.000188	0.00100	1	04/07/2024 01:54	WG2262024
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/07/2024 01:54	WG2262024

MW-34A
Collected date/time: 04/03/24 10:15
L1722286

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/07/2024 01:54	WG2262024
1,2-Dichloropropane	U		0.000149	0.00100	1	04/07/2024 01:54	WG2262024
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/07/2024 01:54	WG2262024
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/07/2024 01:54	WG2262024
Ethylbenzene	U		0.000137	0.00100	1	04/07/2024 01:54	WG2262024
Isopropylbenzene	U		0.000105	0.00100	1	04/07/2024 01:54	WG2262024
p-Isopropyltoluene	U		0.000120	0.00100	1	04/07/2024 01:54	WG2262024
2-Butanone (MEK)	U		0.00119	0.0100	1	04/07/2024 01:54	WG2262024
2-Hexanone	U		0.000787	0.0100	1	04/07/2024 01:54	WG2262024
Methylene Chloride	U		0.000430	0.00500	1	04/07/2024 01:54	WG2262024
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/07/2024 01:54	WG2262024
Methyl tert-butyl ether	0.000154	J	0.000101	0.00100	1	04/07/2024 01:54	WG2262024
Naphthalene	U		0.00100	0.00500	1	04/07/2024 01:54	WG2262024
n-Propylbenzene	U		0.0000993	0.00100	1	04/07/2024 01:54	WG2262024
Styrene	U		0.000118	0.00100	1	04/07/2024 01:54	WG2262024
tert-Butyl alcohol	U		0.00406	0.00500	1	04/07/2024 01:54	WG2262024
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/07/2024 01:54	WG2262024
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/07/2024 01:54	WG2262024
Tetrachloroethene	U		0.000300	0.00100	1	04/07/2024 01:54	WG2262024
Toluene	U		0.000278	0.00100	1	04/07/2024 01:54	WG2262024
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/07/2024 01:54	WG2262024
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/07/2024 01:54	WG2262024
Trichloroethene	U		0.000190	0.00100	1	04/07/2024 01:54	WG2262024
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/07/2024 01:54	WG2262024
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/07/2024 01:54	WG2262024
Vinyl chloride	U		0.000234	0.00100	1	04/07/2024 01:54	WG2262024
o-Xylene	U		0.000174	0.00100	1	04/07/2024 01:54	WG2262024
m&p-Xylene	U		0.000430	0.00200	1	04/07/2024 01:54	WG2262024
Xylenes, Total	U		0.000174	0.00300	1	04/07/2024 01:54	WG2262024
(S) Toluene-d8	*104*			*80.0-120*		*04/07/2024 01:54*	WG2262024
(S) 4-Bromofluorobenzene	*92.6*			*77.0-126*		*04/07/2024 01:54*	WG2262024
(S) 1,2-Dichloroethane-d4	*95.9*			*70.0-130*		*04/07/2024 01:54*	WG2262024

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	4.22		0.0247	0.100	1	04/12/2024 12:45	WG2264621
(S) o-Terphenyl	*76.8*			*52.0-156*		*04/12/2024 12:45*	WG2264621

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2460		50.0	1	04/10/2024 15:13	WG2263069

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	161		3.79	10.0	10	04/05/2024 04:15	WG2260717
Fluoride	U		0.640	1.50	10	04/05/2024 04:15	WG2260717
Nitrate	15.3		0.480	1.00	10	04/05/2024 04:15	WG2260717
Nitrite	U		0.420	1.00	10	04/05/2024 04:15	WG2260717
Sulfate	2330		59.4	500	100	04/05/2024 09:00	WG2260717

Sample Narrative:

L1722286-78 WG2260717: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00153	J	0.000180	0.00200	1	04/13/2024 19:09	WG2263015
Arsenic,Dissolved	0.00131	J	0.000180	0.00200	1	04/11/2024 21:51	WG2261161
Barium	0.0135		0.000381	0.00200	1	04/13/2024 19:09	WG2263015
Barium,Dissolved	0.0117		0.000381	0.00200	1	04/11/2024 21:51	WG2261161
Calcium	534		0.0936	1.00	1	04/13/2024 19:09	WG2263015
Chromium	U		0.00124	0.00200	1	04/13/2024 19:09	WG2263015
Chromium,Dissolved	U		0.00124	0.00200	1	04/11/2024 21:51	WG2261161
Iron	U		0.0281	0.100	1	04/13/2024 19:09	WG2263015
Iron,Dissolved	U		0.0281	0.100	1	04/11/2024 21:51	WG2261161
Lead	U		0.000849	0.00200	1	04/13/2024 19:09	WG2263015
Lead,Dissolved	U		0.000849	0.00200	1	04/11/2024 21:51	WG2261161
Manganese	U		0.000704	0.00500	1	04/13/2024 19:09	WG2263015
Manganese,Dissolved	U		0.000704	0.00500	1	04/11/2024 21:51	WG2261161
Potassium	0.728	J	0.108	2.00	1	04/13/2024 19:09	WG2263015
Selenium	0.0125		0.000300	0.00200	1	04/13/2024 19:09	WG2263015
Selenium,Dissolved	0.0101		0.000300	0.00200	1	04/11/2024 21:51	WG2261161
Sodium	152		0.376	2.00	1	04/13/2024 19:09	WG2263015

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/07/2024 02:15	WG2262024
Benzene	U		0.0000941	0.00100	1	04/07/2024 02:15	WG2262024
Bromodichloromethane	U		0.000136	0.00100	1	04/07/2024 02:15	WG2262024
Bromoform	U		0.000129	0.00100	1	04/07/2024 02:15	WG2262024
Bromomethane	U		0.000605	0.00500	1	04/07/2024 02:15	WG2262024
n-Butylbenzene	U		0.000157	0.00100	1	04/07/2024 02:15	WG2262024
sec-Butylbenzene	U		0.000125	0.00100	1	04/07/2024 02:15	WG2262024
Carbon disulfide	U		0.0000962	0.00100	1	04/07/2024 02:15	WG2262024
Carbon tetrachloride	U		0.000128	0.00100	1	04/07/2024 02:15	WG2262024
Chlorobenzene	U		0.000116	0.00100	1	04/07/2024 02:15	WG2262024
Chlorodibromomethane	U		0.000140	0.00100	1	04/07/2024 02:15	WG2262024
Chloroethane	U		0.000192	0.00500	1	04/07/2024 02:15	WG2262024
Chloroform	U		0.000111	0.00500	1	04/07/2024 02:15	WG2262024
Chloromethane	U		0.000960	0.00250	1	04/07/2024 02:15	WG2262024
1,2-Dibromoethane	U		0.000126	0.00100	1	04/07/2024 02:15	WG2262024
1,1-Dichloroethane	U		0.000100	0.00100	1	04/07/2024 02:15	WG2262024

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/07/2024 02:15	WG2262024
1,1-Dichloroethene	U		0.000188	0.00100	1	04/07/2024 02:15	WG2262024
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/07/2024 02:15	WG2262024
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/07/2024 02:15	WG2262024
1,2-Dichloropropane	U		0.000149	0.00100	1	04/07/2024 02:15	WG2262024
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/07/2024 02:15	WG2262024
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/07/2024 02:15	WG2262024
Ethylbenzene	U		0.000137	0.00100	1	04/07/2024 02:15	WG2262024
Isopropylbenzene	U		0.000105	0.00100	1	04/07/2024 02:15	WG2262024
p-Isopropyltoluene	U		0.000120	0.00100	1	04/07/2024 02:15	WG2262024
2-Butanone (MEK)	U		0.00119	0.0100	1	04/07/2024 02:15	WG2262024
2-Hexanone	U		0.000787	0.0100	1	04/07/2024 02:15	WG2262024
Methylene Chloride	U		0.000430	0.00500	1	04/07/2024 02:15	WG2262024
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/07/2024 02:15	WG2262024
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/07/2024 02:15	WG2262024
Naphthalene	U		0.00100	0.00500	1	04/07/2024 02:15	WG2262024
n-Propylbenzene	U		0.0000993	0.00100	1	04/07/2024 02:15	WG2262024
Styrene	U		0.000118	0.00100	1	04/07/2024 02:15	WG2262024
tert-Butyl alcohol	U		0.00406	0.00500	1	04/07/2024 02:15	WG2262024
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/07/2024 02:15	WG2262024
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/07/2024 02:15	WG2262024
Tetrachloroethene	U		0.000300	0.00100	1	04/07/2024 02:15	WG2262024
Toluene	U		0.000278	0.00100	1	04/07/2024 02:15	WG2262024
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/07/2024 02:15	WG2262024
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/07/2024 02:15	WG2262024
Trichloroethene	U		0.000190	0.00100	1	04/07/2024 02:15	WG2262024
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/07/2024 02:15	WG2262024
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/07/2024 02:15	WG2262024
Vinyl chloride	U		0.000234	0.00100	1	04/07/2024 02:15	WG2262024
o-Xylene	U		0.000174	0.00100	1	04/07/2024 02:15	WG2262024
m&p-Xylene	U		0.000430	0.00200	1	04/07/2024 02:15	WG2262024
Xylenes, Total	U		0.000174	0.00300	1	04/07/2024 02:15	WG2262024
(S) Toluene-d8	*104*			*80.0-120*		*04/07/2024 02:15*	WG2262024
(S) 4-Bromofluorobenzene	*93.8*			*77.0-126*		*04/07/2024 02:15*	WG2262024
(S) 1,2-Dichloroethane-d4	*97.5*			*70.0-130*		*04/07/2024 02:15*	WG2262024

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0510	J	0.0247	0.100	1	04/13/2024 19:08	WG2266295
(S) o-Terphenyl	*78.4*			*52.0-156*		*04/13/2024 19:08*	WG2266295

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1710		25.0	1	04/10/2024 15:13	WG2263069

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	92.7		0.379	1.00	1	04/05/2024 04:29	WG2260717
Fluoride	1.26		0.0640	0.150	1	04/19/2024 17:26	WG2270305
Nitrate	0.864		0.0480	0.100	1	04/05/2024 04:29	WG2260717
Nitrite	0.0702	B J	0.0420	0.100	1	04/05/2024 04:29	WG2260717
Sulfate	1030		5.94	50.0	10	04/05/2024 09:13	WG2260717

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00157	J	0.000180	0.00200	1	04/13/2024 19:12	WG2263015
Arsenic,Dissolved	0.00142	J	0.000180	0.00200	1	04/11/2024 22:03	WG2261161
Barium	0.0180		0.000381	0.00200	1	04/13/2024 19:12	WG2263015
Barium,Dissolved	0.0163		0.000381	0.00200	1	04/11/2024 22:03	WG2261161
Calcium	287		0.0936	1.00	1	04/13/2024 19:12	WG2263015
Chromium	U		0.00124	0.00200	1	04/13/2024 19:12	WG2263015
Chromium,Dissolved	U		0.00124	0.00200	1	04/11/2024 22:03	WG2261161
Iron	U		0.0281	0.100	1	04/13/2024 19:12	WG2263015
Iron,Dissolved	U		0.0281	0.100	1	04/11/2024 22:03	WG2261161
Lead	U		0.000849	0.00200	1	04/13/2024 19:12	WG2263015
Lead,Dissolved	U		0.000849	0.00200	1	04/11/2024 22:03	WG2261161
Manganese	0.456		0.000704	0.00500	1	04/13/2024 19:12	WG2263015
Manganese,Dissolved	0.393		0.000704	0.00500	1	04/11/2024 22:03	WG2261161
Potassium	1.72	J	0.108	2.00	1	04/13/2024 19:12	WG2263015
Selenium	0.000557	J	0.000300	0.00200	1	04/13/2024 19:12	WG2263015
Selenium,Dissolved	0.000439	J	0.000300	0.00200	1	04/11/2024 22:03	WG2261161
Sodium	79.1		0.376	2.00	1	04/13/2024 19:12	WG2263015

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/07/2024 02:37	WG2262024
Benzene	U		0.0000941	0.00100	1	04/07/2024 02:37	WG2262024
Bromodichloromethane	U		0.000136	0.00100	1	04/07/2024 02:37	WG2262024
Bromoform	U		0.000129	0.00100	1	04/07/2024 02:37	WG2262024
Bromomethane	U		0.000605	0.00500	1	04/07/2024 02:37	WG2262024
n-Butylbenzene	U		0.000157	0.00100	1	04/07/2024 02:37	WG2262024
sec-Butylbenzene	U		0.000125	0.00100	1	04/07/2024 02:37	WG2262024
Carbon disulfide	U		0.0000962	0.00100	1	04/07/2024 02:37	WG2262024
Carbon tetrachloride	U		0.000128	0.00100	1	04/07/2024 02:37	WG2262024
Chlorobenzene	U		0.000116	0.00100	1	04/07/2024 02:37	WG2262024
Chlorodibromomethane	U		0.000140	0.00100	1	04/07/2024 02:37	WG2262024
Chloroethane	U		0.000192	0.00500	1	04/07/2024 02:37	WG2262024
Chloroform	U		0.000111	0.00500	1	04/07/2024 02:37	WG2262024
Chloromethane	U		0.000960	0.00250	1	04/07/2024 02:37	WG2262024
1,2-Dibromoethane	U		0.000126	0.00100	1	04/07/2024 02:37	WG2262024
1,1-Dichloroethane	U		0.000100	0.00100	1	04/07/2024 02:37	WG2262024
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/07/2024 02:37	WG2262024
1,1-Dichloroethene	U		0.000188	0.00100	1	04/07/2024 02:37	WG2262024
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/07/2024 02:37	WG2262024

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/07/2024 02:37	WG2262024
1,2-Dichloropropane	U		0.000149	0.00100	1	04/07/2024 02:37	WG2262024
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/07/2024 02:37	WG2262024
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/07/2024 02:37	WG2262024
Ethylbenzene	U		0.000137	0.00100	1	04/07/2024 02:37	WG2262024
Isopropylbenzene	U		0.000105	0.00100	1	04/07/2024 02:37	WG2262024
p-Isopropyltoluene	U		0.000120	0.00100	1	04/07/2024 02:37	WG2262024
2-Butanone (MEK)	U		0.00119	0.0100	1	04/07/2024 02:37	WG2262024
2-Hexanone	U		0.000787	0.0100	1	04/07/2024 02:37	WG2262024
Methylene Chloride	U		0.000430	0.00500	1	04/07/2024 02:37	WG2262024
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/07/2024 02:37	WG2262024
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/07/2024 02:37	WG2262024
Naphthalene	U		0.00100	0.00500	1	04/07/2024 02:37	WG2262024
n-Propylbenzene	U		0.0000993	0.00100	1	04/07/2024 02:37	WG2262024
Styrene	U		0.000118	0.00100	1	04/07/2024 02:37	WG2262024
tert-Butyl alcohol	U		0.00406	0.00500	1	04/07/2024 02:37	WG2262024
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/07/2024 02:37	WG2262024
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/07/2024 02:37	WG2262024
Tetrachloroethene	U		0.000300	0.00100	1	04/07/2024 02:37	WG2262024
Toluene	U		0.000278	0.00100	1	04/07/2024 02:37	WG2262024
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/07/2024 02:37	WG2262024
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/07/2024 02:37	WG2262024
Trichloroethene	U		0.000190	0.00100	1	04/07/2024 02:37	WG2262024
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/07/2024 02:37	WG2262024
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/07/2024 02:37	WG2262024
Vinyl chloride	U		0.000234	0.00100	1	04/07/2024 02:37	WG2262024
o-Xylene	U		0.000174	0.00100	1	04/07/2024 02:37	WG2262024
m&p-Xylene	U		0.000430	0.00200	1	04/07/2024 02:37	WG2262024
Xylenes, Total	U		0.000174	0.00300	1	04/07/2024 02:37	WG2262024
(S) Toluene-d8	*103*			*80.0-120*		*04/07/2024 02:37*	WG2262024
(S) 4-Bromofluorobenzene	*92.2*			*77.0-126*		*04/07/2024 02:37*	WG2262024
(S) 1,2-Dichloroethane-d4	*95.4*			*70.0-130*		*04/07/2024 02:37*	WG2262024

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.125		0.0247	0.100	1	04/13/2024 12:07	WG2264621
(S) o-Terphenyl	*70.5*			*52.0-156*		*04/13/2024 12:07*	WG2264621

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2930		50.0	1	04/10/2024 15:13	WG2263069

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	139		3.79	10.0	10	04/05/2024 04:43	WG2260717
Fluoride	0.916	J	0.640	1.50	10	04/05/2024 04:43	WG2260717
Nitrate	15.2		0.480	1.00	10	04/05/2024 04:43	WG2260717
Nitrite	U		0.420	1.00	10	04/05/2024 04:43	WG2260717
Sulfate	2260		59.4	500	100	04/05/2024 09:26	WG2260717

Sample Narrative:

L1722286-80 WG2260717: Dilution due to matrix.

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00161	J	0.000180	0.00200	1	04/13/2024 19:15	WG2263015
Arsenic,Dissolved	0.00135	J	0.000180	0.00200	1	04/11/2024 22:06	WG2261161
Barium	0.0145		0.000381	0.00200	1	04/13/2024 19:15	WG2263015
Barium,Dissolved	0.0122		0.000381	0.00200	1	04/11/2024 22:06	WG2261161
Calcium	543		0.0936	1.00	1	04/13/2024 19:15	WG2263015
Chromium	U		0.00124	0.00200	1	04/13/2024 19:15	WG2263015
Chromium,Dissolved	U		0.00124	0.00200	1	04/11/2024 22:06	WG2261161
Iron	U		0.0281	0.100	1	04/13/2024 19:15	WG2263015
Iron,Dissolved	U		0.0281	0.100	1	04/11/2024 22:06	WG2261161
Lead	U		0.000849	0.00200	1	04/13/2024 19:15	WG2263015
Lead,Dissolved	U		0.000849	0.00200	1	04/11/2024 22:06	WG2261161
Manganese	U		0.000704	0.00500	1	04/13/2024 19:15	WG2263015
Manganese,Dissolved	U		0.000704	0.00500	1	04/11/2024 22:06	WG2261161
Potassium	0.693	J	0.108	2.00	1	04/13/2024 19:15	WG2263015
Selenium	0.0115		0.000300	0.00200	1	04/13/2024 19:15	WG2263015
Selenium,Dissolved	0.0106		0.000300	0.00200	1	04/11/2024 22:06	WG2261161
Sodium	165		0.376	2.00	1	04/13/2024 19:15	WG2263015

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/07/2024 02:58	WG2262024
Benzene	U		0.0000941	0.00100	1	04/07/2024 02:58	WG2262024
Bromodichloromethane	U		0.000136	0.00100	1	04/07/2024 02:58	WG2262024
Bromoform	U		0.000129	0.00100	1	04/07/2024 02:58	WG2262024
Bromomethane	U		0.000605	0.00500	1	04/07/2024 02:58	WG2262024
n-Butylbenzene	U		0.000157	0.00100	1	04/07/2024 02:58	WG2262024
sec-Butylbenzene	U		0.000125	0.00100	1	04/07/2024 02:58	WG2262024
Carbon disulfide	U		0.0000962	0.00100	1	04/07/2024 02:58	WG2262024
Carbon tetrachloride	U		0.000128	0.00100	1	04/07/2024 02:58	WG2262024
Chlorobenzene	U		0.000116	0.00100	1	04/07/2024 02:58	WG2262024
Chlorodibromomethane	U		0.000140	0.00100	1	04/07/2024 02:58	WG2262024
Chloroethane	U		0.000192	0.00500	1	04/07/2024 02:58	WG2262024
Chloroform	U		0.000111	0.00500	1	04/07/2024 02:58	WG2262024
Chloromethane	U		0.000960	0.00250	1	04/07/2024 02:58	WG2262024
1,2-Dibromoethane	U		0.000126	0.00100	1	04/07/2024 02:58	WG2262024
1,1-Dichloroethane	U		0.000100	0.00100	1	04/07/2024 02:58	WG2262024

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/07/2024 02:58	WG2262024
1,1-Dichloroethene	U		0.000188	0.00100	1	04/07/2024 02:58	WG2262024
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/07/2024 02:58	WG2262024
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/07/2024 02:58	WG2262024
1,2-Dichloropropane	U		0.000149	0.00100	1	04/07/2024 02:58	WG2262024
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/07/2024 02:58	WG2262024
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/07/2024 02:58	WG2262024
Ethylbenzene	U		0.000137	0.00100	1	04/07/2024 02:58	WG2262024
Isopropylbenzene	U		0.000105	0.00100	1	04/07/2024 02:58	WG2262024
p-Isopropyltoluene	U		0.000120	0.00100	1	04/07/2024 02:58	WG2262024
2-Butanone (MEK)	U		0.00119	0.0100	1	04/07/2024 02:58	WG2262024
2-Hexanone	U		0.000787	0.0100	1	04/07/2024 02:58	WG2262024
Methylene Chloride	U		0.000430	0.00500	1	04/07/2024 02:58	WG2262024
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/07/2024 02:58	WG2262024
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/07/2024 02:58	WG2262024
Naphthalene	U		0.00100	0.00500	1	04/07/2024 02:58	WG2262024
n-Propylbenzene	U		0.0000993	0.00100	1	04/07/2024 02:58	WG2262024
Styrene	U		0.000118	0.00100	1	04/07/2024 02:58	WG2262024
tert-Butyl alcohol	U		0.00406	0.00500	1	04/07/2024 02:58	WG2262024
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/07/2024 02:58	WG2262024
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/07/2024 02:58	WG2262024
Tetrachloroethene	U		0.000300	0.00100	1	04/07/2024 02:58	WG2262024
Toluene	U		0.000278	0.00100	1	04/07/2024 02:58	WG2262024
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/07/2024 02:58	WG2262024
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/07/2024 02:58	WG2262024
Trichloroethene	U		0.000190	0.00100	1	04/07/2024 02:58	WG2262024
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/07/2024 02:58	WG2262024
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/07/2024 02:58	WG2262024
Vinyl chloride	U		0.000234	0.00100	1	04/07/2024 02:58	WG2262024
o-Xylene	U		0.000174	0.00100	1	04/07/2024 02:58	WG2262024
m&p-Xylene	U		0.000430	0.00200	1	04/07/2024 02:58	WG2262024
Xylenes, Total	U		0.000174	0.00300	1	04/07/2024 02:58	WG2262024
(S) Toluene-d8	*106*			*80.0-120*		*04/07/2024 02:58*	WG2262024
(S) 4-Bromofluorobenzene	*91.8*			*77.0-126*		*04/07/2024 02:58*	WG2262024
(S) 1,2-Dichloroethane-d4	*95.7*			*70.0-130*		*04/07/2024 02:58*	WG2262024

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0671	J	0.0247	0.100	1	04/12/2024 13:46	WG2264621
(S) o-Terphenyl	*66.8*			*52.0-156*		*04/12/2024 13:46*	WG2264621

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	ND		10.0	1	04/10/2024 15:13	WG2263069

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	0.680	B J	0.379	1.00	1	04/05/2024 21:02	WG2260720
Fluoride	U		0.0640	0.150	1	04/05/2024 21:02	WG2260720
Nitrate	0.0910	J Q	0.0480	0.100	1	04/05/2024 21:02	WG2260720
Nitrite	0.0578	J Q	0.0420	0.100	1	04/05/2024 21:02	WG2260720
Sulfate	U		0.594	5.00	1	04/05/2024 21:02	WG2260720

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	U		0.000180	0.00200	1	04/13/2024 19:19	WG2263015
Arsenic,Dissolved	U		0.000180	0.00200	1	04/11/2024 22:09	WG2261161
Barium	U		0.000381	0.00200	1	04/13/2024 19:19	WG2263015
Barium,Dissolved	U		0.000381	0.00200	1	04/11/2024 22:09	WG2261161
Calcium	U		0.0936	1.00	1	04/13/2024 19:19	WG2263015
Chromium	U		0.00124	0.00200	1	04/13/2024 19:19	WG2263015
Chromium,Dissolved	U		0.00124	0.00200	1	04/11/2024 22:09	WG2261161
Iron	U		0.0281	0.100	1	04/13/2024 19:19	WG2263015
Iron,Dissolved	U		0.0281	0.100	1	04/11/2024 22:09	WG2261161
Lead	U		0.000849	0.00200	1	04/13/2024 19:19	WG2263015
Lead,Dissolved	U		0.000849	0.00200	1	04/11/2024 22:09	WG2261161
Manganese	U		0.000704	0.00500	1	04/13/2024 19:19	WG2263015
Manganese,Dissolved	U		0.000704	0.00500	1	04/11/2024 22:09	WG2261161
Potassium	U		0.108	2.00	1	04/13/2024 19:19	WG2263015
Selenium	U		0.000300	0.00200	1	04/13/2024 19:19	WG2263015
Selenium,Dissolved	U		0.000300	0.00200	1	04/11/2024 22:09	WG2261161
Sodium	U		0.376	2.00	1	04/13/2024 19:19	WG2263015

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/07/2024 01:33	WG2262024
Benzene	U		0.0000941	0.00100	1	04/07/2024 01:33	WG2262024
Bromodichloromethane	U		0.000136	0.00100	1	04/07/2024 01:33	WG2262024
Bromoform	U		0.000129	0.00100	1	04/07/2024 01:33	WG2262024
Bromomethane	U		0.000605	0.00500	1	04/07/2024 01:33	WG2262024
n-Butylbenzene	U		0.000157	0.00100	1	04/07/2024 01:33	WG2262024
sec-Butylbenzene	U		0.000125	0.00100	1	04/07/2024 01:33	WG2262024
Carbon disulfide	U		0.0000962	0.00100	1	04/07/2024 01:33	WG2262024
Carbon tetrachloride	U		0.000128	0.00100	1	04/07/2024 01:33	WG2262024
Chlorobenzene	U		0.000116	0.00100	1	04/07/2024 01:33	WG2262024
Chlorodibromomethane	U		0.000140	0.00100	1	04/07/2024 01:33	WG2262024
Chloroethane	U		0.000192	0.00500	1	04/07/2024 01:33	WG2262024
Chloroform	0.000397	J	0.000111	0.00500	1	04/07/2024 01:33	WG2262024
Chloromethane	U		0.000960	0.00250	1	04/07/2024 01:33	WG2262024
1,2-Dibromoethane	U		0.000126	0.00100	1	04/07/2024 01:33	WG2262024
1,1-Dichloroethane	U		0.000100	0.00100	1	04/07/2024 01:33	WG2262024
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/07/2024 01:33	WG2262024
1,1-Dichloroethene	U		0.000188	0.00100	1	04/07/2024 01:33	WG2262024
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/07/2024 01:33	WG2262024

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/07/2024 01:33	WG2262024
1,2-Dichloropropane	U		0.000149	0.00100	1	04/07/2024 01:33	WG2262024
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/07/2024 01:33	WG2262024
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/07/2024 01:33	WG2262024
Ethylbenzene	U		0.000137	0.00100	1	04/07/2024 01:33	WG2262024
Isopropylbenzene	U		0.000105	0.00100	1	04/07/2024 01:33	WG2262024
p-Isopropyltoluene	U		0.000120	0.00100	1	04/07/2024 01:33	WG2262024
2-Butanone (MEK)	U		0.00119	0.0100	1	04/07/2024 01:33	WG2262024
2-Hexanone	U		0.000787	0.0100	1	04/07/2024 01:33	WG2262024
Methylene Chloride	U		0.000430	0.00500	1	04/07/2024 01:33	WG2262024
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/07/2024 01:33	WG2262024
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/07/2024 01:33	WG2262024
Naphthalene	U		0.00100	0.00500	1	04/07/2024 01:33	WG2262024
n-Propylbenzene	U		0.0000993	0.00100	1	04/07/2024 01:33	WG2262024
Styrene	U		0.000118	0.00100	1	04/07/2024 01:33	WG2262024
tert-Butyl alcohol	U		0.00406	0.00500	1	04/07/2024 01:33	WG2262024
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/07/2024 01:33	WG2262024
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/07/2024 01:33	WG2262024
Tetrachloroethene	U		0.000300	0.00100	1	04/07/2024 01:33	WG2262024
Toluene	U		0.000278	0.00100	1	04/07/2024 01:33	WG2262024
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/07/2024 01:33	WG2262024
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/07/2024 01:33	WG2262024
Trichloroethene	U		0.000190	0.00100	1	04/07/2024 01:33	WG2262024
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/07/2024 01:33	WG2262024
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/07/2024 01:33	WG2262024
Vinyl chloride	U		0.000234	0.00100	1	04/07/2024 01:33	WG2262024
o-Xylene	U		0.000174	0.00100	1	04/07/2024 01:33	WG2262024
m&p-Xylene	U		0.000430	0.00200	1	04/07/2024 01:33	WG2262024
Xylenes, Total	U		0.000174	0.00300	1	04/07/2024 01:33	WG2262024
(S) Toluene-d8	*104*			*80.0-120*		*04/07/2024 01:33*	WG2262024
(S) 4-Bromofluorobenzene	*93.0*			*77.0-126*		*04/07/2024 01:33*	WG2262024
(S) 1,2-Dichloroethane-d4	*96.5*			*70.0-130*		*04/07/2024 01:33*	WG2262024

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0568	J	0.0247	0.100	1	04/12/2024 14:06	WG2264621
(S) o-Terphenyl	*70.0*			*52.0-156*		*04/12/2024 14:06*	WG2264621

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/07/2024 01:11	WG2262024
Benzene	U		0.0000941	0.00100	1	04/07/2024 01:11	WG2262024
Bromodichloromethane	U		0.000136	0.00100	1	04/07/2024 01:11	WG2262024
Bromoform	U		0.000129	0.00100	1	04/07/2024 01:11	WG2262024
Bromomethane	U		0.000605	0.00500	1	04/07/2024 01:11	WG2262024
n-Butylbenzene	U		0.000157	0.00100	1	04/07/2024 01:11	WG2262024
sec-Butylbenzene	U		0.000125	0.00100	1	04/07/2024 01:11	WG2262024
Carbon disulfide	U		0.0000962	0.00100	1	04/07/2024 01:11	WG2262024
Carbon tetrachloride	U		0.000128	0.00100	1	04/07/2024 01:11	WG2262024
Chlorobenzene	U		0.000116	0.00100	1	04/07/2024 01:11	WG2262024
Chlorodibromomethane	U		0.000140	0.00100	1	04/07/2024 01:11	WG2262024
Chloroethane	U		0.000192	0.00500	1	04/07/2024 01:11	WG2262024
Chloroform	U		0.000111	0.00500	1	04/07/2024 01:11	WG2262024
Chloromethane	U		0.000960	0.00250	1	04/07/2024 01:11	WG2262024
1,2-Dibromoethane	U		0.000126	0.00100	1	04/07/2024 01:11	WG2262024
1,1-Dichloroethane	U		0.000100	0.00100	1	04/07/2024 01:11	WG2262024
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/07/2024 01:11	WG2262024
1,1-Dichloroethene	U		0.000188	0.00100	1	04/07/2024 01:11	WG2262024
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/07/2024 01:11	WG2262024
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/07/2024 01:11	WG2262024
1,2-Dichloropropane	U		0.000149	0.00100	1	04/07/2024 01:11	WG2262024
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/07/2024 01:11	WG2262024
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/07/2024 01:11	WG2262024
Ethylbenzene	U		0.000137	0.00100	1	04/07/2024 01:11	WG2262024
Isopropylbenzene	U		0.000105	0.00100	1	04/07/2024 01:11	WG2262024
p-Isopropyltoluene	U		0.000120	0.00100	1	04/07/2024 01:11	WG2262024
2-Butanone (MEK)	U		0.00119	0.0100	1	04/07/2024 01:11	WG2262024
2-Hexanone	U		0.000787	0.0100	1	04/07/2024 01:11	WG2262024
Methylene Chloride	U		0.000430	0.00500	1	04/07/2024 01:11	WG2262024
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/07/2024 01:11	WG2262024
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/07/2024 01:11	WG2262024
Naphthalene	U		0.00100	0.00500	1	04/07/2024 01:11	WG2262024
n-Propylbenzene	U		0.0000993	0.00100	1	04/07/2024 01:11	WG2262024
Styrene	U		0.000118	0.00100	1	04/07/2024 01:11	WG2262024
tert-Butyl alcohol	U		0.00406	0.00500	1	04/07/2024 01:11	WG2262024
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/07/2024 01:11	WG2262024
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/07/2024 01:11	WG2262024
Tetrachloroethene	U		0.000300	0.00100	1	04/07/2024 01:11	WG2262024
Toluene	U		0.000278	0.00100	1	04/07/2024 01:11	WG2262024
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/07/2024 01:11	WG2262024
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/07/2024 01:11	WG2262024
Trichloroethene	U		0.000190	0.00100	1	04/07/2024 01:11	WG2262024
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/07/2024 01:11	WG2262024
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/07/2024 01:11	WG2262024
Vinyl chloride	U		0.000234	0.00100	1	04/07/2024 01:11	WG2262024
o-Xylene	U		0.000174	0.00100	1	04/07/2024 01:11	WG2262024
m&p-Xylene	U		0.000430	0.00200	1	04/07/2024 01:11	WG2262024
Xylenes, Total	U		0.000174	0.00300	1	04/07/2024 01:11	WG2262024
(S) Toluene-d8	*104*			*80.0-120*		*04/07/2024 01:11*	WG2262024
(S) 4-Bromofluorobenzene	*92.1*			*77.0-126*		*04/07/2024 01:11*	WG2262024
(S) 1,2-Dichloroethane-d4	*97.8*			*70.0-130*		*04/07/2024 01:11*	WG2262024

Method Blank (MB)

(MB) R4057190-1 04/07/24 08:50

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		10.0	10.0

L1722270-17 Original Sample (OS) • Duplicate (DUP)

(OS) L1722270-17 04/07/24 08:50 • (DUP) R4057190-3 04/07/24 08:50

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	207	225	1	8.33		10

L1722270-18 Original Sample (OS) • Duplicate (DUP)

(OS) L1722270-18 04/07/24 08:50 • (DUP) R4057190-4 04/07/24 08:50

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	217	233	1	7.11		10

Laboratory Control Sample (LCS)

(LCS) R4057190-2 04/07/24 08:50

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8510	96.7	85.0-115	

Method Blank (MB)

(MB) R4056669-1 04/09/24 11:40

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		10.0	10.0

L1722286-28 Original Sample (OS) • Duplicate (DUP)

(OS) L1722286-28 04/09/24 11:40 • (DUP) R4056669-4 04/09/24 11:40

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	1600	1740	1	8.38		10

Laboratory Control Sample (LCS)

(LCS) R4056669-2 04/09/24 11:40

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8650	98.3	85.0-115	

Method Blank (MB)

(MB) R4056424-1 04/07/24 14:18

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		10.0	10.0

L1722286-35 Original Sample (OS) • Duplicate (DUP)

(OS) L1722286-35 04/07/24 14:18 • (DUP) R4056424-3 04/07/24 14:18

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	2410	2180	1	10.3	J3	10

L1722286-36 Original Sample (OS) • Duplicate (DUP)

(OS) L1722286-36 04/07/24 14:18 • (DUP) R4056424-4 04/07/24 14:18

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	3630	3650	1	0.687		10

Sample Narrative:

OS: in hold data not confirmed by later run.

Laboratory Control Sample (LCS)

(LCS) R4056424-2 04/07/24 14:18

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8690	98.8	85.0-115	

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Method Blank (MB)

(MB) R4056260-1 04/09/24 16:58

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		10.0	10.0

L1721641-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1721641-01 04/09/24 16:58 • (DUP) R4056260-3 04/09/24 16:58

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	601	632	1	5.03		10

L1722286-57 Original Sample (OS) • Duplicate (DUP)

(OS) L1722286-57 04/09/24 16:58 • (DUP) R4056260-4 04/09/24 16:58

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	1300	1420	1	8.82		10

Laboratory Control Sample (LCS)

(LCS) R4056260-2 04/09/24 16:58

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	9060	103	85.0-115	

Method Blank (MB)

(MB) R4057185-1 04/10/24 15:13

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		10.0	10.0

L1722770-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1722770-05 04/10/24 15:13 • (DUP) R4057185-3 04/10/24 15:13

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	135	141	1	4.35		10

Laboratory Control Sample (LCS)

(LCS) R4057185-2 04/10/24 15:13

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8620	98.0	85.0-115	

Method Blank (MB)

(MB) R4057924-1 04/10/24 19:21

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		10.0	10.0

L1722286-64 Original Sample (OS) • Duplicate (DUP)

(OS) L1722286-64 04/10/24 19:21 • (DUP) R4057924-3 04/10/24 19:21

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	2540	2620	1	2.91		10

L1722286-65 Original Sample (OS) • Duplicate (DUP)

(OS) L1722286-65 04/10/24 19:21 • (DUP) R4057924-4 04/10/24 19:21

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	2660	2780	1	4.42		10

Laboratory Control Sample (LCS)

(LCS) R4057924-2 04/10/24 19:21

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8830	100	85.0-115	

Method Blank (MB)

(MB) R4057918-1 04/12/24 23:43

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		10.0	10.0

L1723115-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1723115-02 04/12/24 23:43 • (DUP) R4057918-3 04/12/24 23:43

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	290	284	1	2.09		10

L1723115-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1723115-03 04/12/24 23:43 • (DUP) R4057918-4 04/12/24 23:43

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	420	416	1	0.957		10

Laboratory Control Sample (LCS)

(LCS) R4057918-2 04/12/24 23:43

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8810	100	85.0-115	

Method Blank (MB)

(MB) R4058455-1 04/15/24 16:46

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		10.0	10.0

L1722270-26 Original Sample (OS) • Duplicate (DUP)

(OS) L1722270-26 04/15/24 16:46 • (DUP) R4058455-3 04/15/24 16:46

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	283	293	1	3.47		10

Sample Narrative:

OS: Sample reran due to TDS and conductivity mismatch. They match on ooh run but not on in hold run.

L1724782-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1724782-09 04/15/24 16:46 • (DUP) R4058455-4 04/15/24 16:46

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	579	617	1	6.46		10

Laboratory Control Sample (LCS)

(LCS) R4058455-2 04/15/24 16:46

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8650	98.3	85.0-115	

Method Blank (MB)

(MB) R4056788-1 04/11/24 22:26

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Cyanide	U		0.00180	0.00500

L1721773-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1721773-02 04/11/24 22:33 • (DUP) R4056788-3 04/11/24 22:35

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	U	U	1	0.000		20

L1722286-68 Original Sample (OS) • Duplicate (DUP)

(OS) L1722286-68 04/11/24 23:06 • (DUP) R4056788-6 04/11/24 23:08

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	0.0394	0.0209	1	61.4	P1	20

Laboratory Control Sample (LCS)

(LCS) R4056788-2 04/11/24 22:27

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Cyanide	0.100	0.0959	95.9	87.1-120	

L1722286-18 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1722286-18 04/11/24 22:56 • (MS) R4056788-4 04/11/24 23:01 • (MSD) R4056788-5 04/11/24 23:02

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cyanide	0.100	U	0.0836	0.0897	83.6	89.7	1	90.0-110	J6	J6	7.04	20

Sample Narrative:

MS: spike failed due to sample matrix

MSD: spike failed due to sample matrix

Method Blank (MB)

(MB) R4061437-1 04/12/24 00:57

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Cyanide	U		0.00180	0.00500

L1721794-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1721794-01 04/12/24 01:07 • (DUP) R4061437-3 04/12/24 01:08

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	U	U	1	0.000		20

Sample Narrative:

OS: Instrument QC failure. Confirms with OOH data run.

Laboratory Control Sample (LCS)

(LCS) R4061437-2 04/12/24 00:58

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Cyanide	0.100	0.0886	88.6	87.1-120	

L1721794-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1721794-01 04/12/24 01:07 • (MS) R4061437-4 04/12/24 01:10 • (MSD) R4061437-5 04/12/24 01:14

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cyanide	0.100	U	0.0757	0.0748	75.7	74.8	1	90.0-110	J6	J6	1.20	20

Sample Narrative:

OS: Instrument QC failure. Confirms with OOH data run.

Method Blank (MB)

(MB) R4056718-1 04/04/24 23:22

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.379	1.00
Fluoride	U		0.0640	0.150
Nitrate	U		0.0480	0.100
Nitrite	U		0.0420	0.100
Sulfate	0.658	J	0.594	5.00

Method Blank (MB)

(MB) R4057011-3 04/11/24 08:24

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.379	1.00
Fluoride	U		0.0640	0.150
Nitrate	U		0.0480	0.100
Nitrite	U		0.0420	0.100
Sulfate	0.666	J	0.594	5.00

L1722270-16 Original Sample (OS) • Duplicate (DUP)

(OS) L1722270-16 04/04/24 23:50 • (DUP) R4056718-4 04/05/24 00:03

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	52.5	52.9	1	0.757		15
Fluoride		0.219	1	3.62		15
Nitrate	0.427	0.588	1	31.8	J3	15
Nitrite		0.210	1	2.07		15
Sulfate		53.4	1	1.94		15

L1722058-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1722058-01 04/05/24 00:58 • (DUP) R4056718-6 04/05/24 01:11

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	U	U	1	0.000		15
Fluoride	U	0.0662	1	200	J P1	15
Nitrate	U	U	1	0.000		15
Nitrite	U	U	1	0.000		15

L1722058-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1722058-01 04/05/24 00:58 • (DUP) R4056718-6 04/05/24 01:11

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	0.656	0.767	1	15.6	J P1	15

Laboratory Control Sample (LCS)

(LCS) R4056718-3 04/04/24 23:36

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	37.6	93.9	80.0-120	
Fluoride	8.00	8.46	106	80.0-120	
Nitrate	8.00	7.15	89.4	80.0-120	
Nitrite	8.00	7.54	94.2	80.0-120	
Sulfate	40.0	41.7	104	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R4057011-4 04/11/24 08:36

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	37.9	94.8	80.0-120	
Fluoride	8.00	7.68	96.1	80.0-120	
Nitrate	8.00	7.46	93.3	80.0-120	
Nitrite	8.00	7.56	94.5	80.0-120	
Sulfate	40.0	40.3	101	80.0-120	

L1722270-16 Original Sample (OS) • Matrix Spike (MS)

(OS) L1722270-16 04/04/24 23:50 • (MS) R4056718-5 04/05/24 00:17

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	52.5	80.4	69.7	1	80.0-120	J6
Fluoride	8.00		8.40	102	1	80.0-120	
Nitrate	8.00	0.427	8.32	98.6	1	80.0-120	
Nitrite	8.00		7.77	94.6	1	80.0-120	
Sulfate	40.0		89.0	91.5	1	80.0-120	

L1722058-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1722058-01 04/05/24 00:58 • (MS) R4056718-7 04/05/24 01:25 • (MSD) R4056718-8 04/05/24 02:05

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	40.0	U	38.2	37.7	95.4	94.2	1	80.0-120			1.21	15
Fluoride	8.00	U	8.63	8.71	108	109	1	80.0-120			0.935	15
Nitrate	8.00	U	8.18	7.40	102	92.5	1	80.0-120			9.96	15
Nitrite	8.00	U	7.79	7.64	97.4	95.5	1	80.0-120			2.04	15
Sulfate	40.0	0.656	43.7	42.1	108	104	1	80.0-120			3.67	15

Method Blank (MB)

(MB) R4055647-1 04/04/24 23:26

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.379	1.00
Fluoride	U		0.0640	0.150
Nitrate	0.0490	J	0.0480	0.100
Nitrite	U		0.0420	0.100
Sulfate	U		0.594	5.00

L1722270-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1722270-06 04/04/24 23:56 • (DUP) R4055647-3 04/05/24 00:11

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	32.2	32.5	1	0.906		15
Nitrate	0.506	0.510	1	0.867		15

L1722270-22 Original Sample (OS) • Duplicate (DUP)

(OS) L1722270-22 04/05/24 03:10 • (DUP) R4055647-6 04/05/24 03:25

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	40.6	40.5	1	0.0589		15
Fluoride		0.542	1	2.41		15
Nitrate	U	U	1	0.000		15
Nitrite		U	1	0.000		15

Laboratory Control Sample (LCS)

(LCS) R4055647-2 04/04/24 23:41

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	40.3	101	80.0-120	
Fluoride	8.00	8.32	104	80.0-120	
Nitrate	8.00	7.76	97.0	80.0-120	
Nitrite	8.00	7.72	96.5	80.0-120	
Sulfate	40.0	42.6	106	80.0-120	

L1722270-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1722270-06 04/04/24 23:56 • (MS) R4055647-4 04/05/24 00:26 • (MSD) R4055647-5 04/05/24 00:41

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	40.0	32.2	66.3	65.7	85.1	83.7	1	80.0-120			0.869	15
Nitrate	8.00	0.506	8.55	8.23	101	96.5	1	80.0-120			3.90	15

L1722270-22 Original Sample (OS) • Matrix Spike (MS)

(OS) L1722270-22 04/05/24 03:10 • (MS) R4055647-7 04/05/24 03:40

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	40.6	72.2	79.2	1	80.0-120	J6
Fluoride	8.00		8.18	95.3	1	80.0-120	
Nitrate	8.00	U	7.96	99.6	1	80.0-120	
Nitrite	8.00		7.82	97.8	1	80.0-120	

Sample Narrative:

MS: Cl spike failed due to sample matrix

Method Blank (MB)

(MB) R4059297-1 04/04/24 13:05

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.379	1.00
Fluoride	U		0.0640	0.150
Nitrate	0.0610	J	0.0480	0.100
Nitrite	0.0498	J	0.0420	0.100
Sulfate	U		0.594	5.00

L1722270-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1722270-07 04/04/24 22:22 • (DUP) R4059297-3 04/04/24 22:36

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	27.0	27.0	1	0.105		15
Fluoride		0.173	1	0.920		15
Nitrate	0.188	0.170	1	9.83		15

L1722270-23 Original Sample (OS) • Duplicate (DUP)

(OS) L1722270-23 04/05/24 02:27 • (DUP) R4059297-6 04/05/24 03:07

Analyte	Original Result	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Fluoride		1.30	1	8.27		15
Nitrate	0.119	0.0993	1	17.6	J P1	15

Laboratory Control Sample (LCS)

(LCS) R4059297-2 04/04/24 13:19

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	39.3	98.2	80.0-120	
Fluoride	8.00	8.28	103	80.0-120	
Nitrate	8.00	7.64	95.5	80.0-120	
Nitrite	8.00	8.01	100	80.0-120	
Sulfate	40.0	39.6	99.0	80.0-120	

L1722270-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1722270-07 04/04/24 22:22 • (MS) R4059297-4 04/04/24 22:49 • (MSD) R4059297-5 04/04/24 23:03

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	40.0	27.0	61.7	61.7	86.8	86.9	1	80.0-120			0.00972	15
Nitrate	8.00	0.188	7.89	7.87	96.3	96.0	1	80.0-120			0.230	15

L1722270-23 Original Sample (OS) • Matrix Spike (MS)

(OS) L1722270-23 04/05/24 02:27 • (MS) R4059297-7 04/05/24 03:21

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	47.8	72.0	60.4	1	80.0-120	J6
Nitrate	8.00	0.119	7.93	97.6	1	80.0-120	

Sample Narrative:

MS: NO3 spike failed due to sample matrix

Method Blank (MB)

(MB) R4055637-1 04/05/24 03:04

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	0.385	J	0.379	1.00
Fluoride	U		0.0640	0.150
Nitrate	U		0.0480	0.100
Nitrite	U		0.0420	0.100
Sulfate	U		0.594	5.00

L1722270-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1722270-03 04/05/24 03:52 • (DUP) R4055637-3 04/05/24 08:55

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	47.8	47.6	1	0.381		15
Fluoride		0.284	1	16.9	P1	15
Nitrate	0.616	U	1	200	J3	15
Nitrite		U	1	0.000		15
Sulfate		44.9	1	4.62		15

L1722297-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1722297-02 04/05/24 21:17 • (DUP) R4055637-7 04/05/24 13:25

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	68.1	67.7	1	0.639		15
Fluoride	0.660	0.619	1	6.35		15
Nitrate	12.4	12.5	1	0.811		15
Nitrite	U	U	1	0.000		15
Sulfate	59.6	59.6	1	0.00285		15

Laboratory Control Sample (LCS)

(LCS) R4055637-2 04/05/24 03:20

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	38.8	97.0	80.0-120	
Fluoride	8.00	8.14	102	80.0-120	
Nitrate	8.00	7.68	96.0	80.0-120	
Nitrite	8.00	7.44	92.9	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R4055637-2 04/05/24 03:20

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Sulfate	40.0	40.3	101	80.0-120	

L1722270-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1722270-03 04/05/24 03:52 • (MS) R4055637-4 04/05/24 09:10 • (MSD) R4055637-5 04/05/24 09:26

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	40.0	47.8	78.0	77.8	75.5	75.0	1	80.0-120	J6	J6	0.276	15
Fluoride	8.00		8.52	8.32	104	101	1	80.0-120			2.36	15
Nitrate	8.00	0.616	9.10	8.42	106	97.6	1	80.0-120			7.69	15
Nitrite	8.00		7.77	7.65	97.1	95.7	1	80.0-120			1.51	15
Sulfate	40.0		76.6	75.2	84.4	80.9	1	80.0-120			1.87	15

L1722286-30 Original Sample (OS) • Matrix Spike (MS)

(OS) L1722286-30 04/05/24 19:11 • (MS) R4055637-6 04/05/24 11:17

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	38.2	70.3	80.1	1	80.0-120	
Fluoride	8.00	1.19	8.75	94.5	1	80.0-120	
Nitrate	8.00	U	11.4	142	1	80.0-120	J5
Nitrite	8.00	U	7.46	93.3	1	80.0-120	
Sulfate	40.0	600	518	0.000	1	80.0-120	E V

Method Blank (MB)

(MB) R4057203-1 04/04/24 19:32

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.379	1.00
Fluoride	U		0.0640	0.150
Nitrate	U		0.0480	0.100
Nitrite	U		0.0420	0.100
Sulfate	U		0.594	5.00

L1722270-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1722270-01 04/05/24 00:16 • (DUP) R4057203-3 04/05/24 00:32

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	60.0	60.1	1	0.0999		15
Nitrate	0.112	0.140	1	21.6	P1	15

L1722286-50 Original Sample (OS) • Duplicate (DUP)

(OS) L1722286-50 04/05/24 06:27 • (DUP) R4057203-6 04/05/24 06:44

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	0.669	0.670	1	0.119	J	15
Fluoride	U	U	1	0.000		15
Nitrate	0.0592	0.0594	1	0.337	J	15
Nitrite	U	U	1	0.000		15
Sulfate	U	U	1	0.000		15

Laboratory Control Sample (LCS)

(LCS) R4057203-2 04/04/24 19:49

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	42.2	105	80.0-120	
Fluoride	8.00	8.20	103	80.0-120	
Nitrate	8.00	8.33	104	80.0-120	
Nitrite	8.00	8.82	110	80.0-120	
Sulfate	40.0	40.9	102	80.0-120	

L1722270-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1722270-01 04/05/24 00:16 • (MS) R4057203-4 04/05/24 00:49 • (MSD) R4057203-5 04/05/24 01:06

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	40.0	60.0	93.7	93.2	84.3	82.8	1	80.0-120			0.611	15
Nitrate	8.00	0.112	7.95	7.83	98.0	96.4	1	80.0-120			1.57	15

L1722286-50 Original Sample (OS) • Matrix Spike (MS)

(OS) L1722286-50 04/05/24 06:27 • (MS) R4057203-7 04/05/24 07:01

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	0.669	38.9	95.7	1	80.0-120	
Fluoride	8.00	U	7.68	96.0	1	80.0-120	
Nitrate	8.00	0.0592	7.67	95.2	1	80.0-120	
Nitrite	8.00	U	9.29	116	1	80.0-120	
Sulfate	40.0	U	37.5	93.6	1	80.0-120	

Method Blank (MB)

(MB) R4058433-1 04/05/24 04:25

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.379	1.00
Fluoride	U		0.0640	0.150
Nitrate	U		0.0480	0.100
Nitrite	U		0.0420	0.100
Sulfate	U		0.594	5.00

L1722270-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1722270-02 04/05/24 05:29 • (DUP) R4058433-3 04/05/24 05:42

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	55.3	55.3	1	0.0260		15
Fluoride		0.192	1	4.03		15
Nitrate	U	U	1	0.000		15
Nitrite		U	1	0.000		15
Sulfate		53.1	1	1.16		15

L1722270-18 Original Sample (OS) • Duplicate (DUP)

(OS) L1722270-18 04/05/24 08:54 • (DUP) R4058433-6 04/05/24 09:32

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	31.1	31.6	1	1.73		15
Fluoride		0.182	1	18.7	P1	15
Nitrate	0.134	0.118	1	12.2		15
Nitrite		U	1	0.000		15
Sulfate		20.1	1	1.11		15

Laboratory Control Sample (LCS)

(LCS) R4058433-2 04/05/24 04:38

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	40.3	101	80.0-120	
Fluoride	8.00	8.05	101	80.0-120	
Nitrate	8.00	7.70	96.2	80.0-120	
Nitrite	8.00	8.15	102	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R4058433-2 04/05/24 04:38

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Sulfate	40.0	39.3	98.2	80.0-120	

L1722270-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1722270-02 04/05/24 05:29 • (MS) R4058433-4 04/05/24 05:54 • (MSD) R4058433-5 04/05/24 06:07

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	40.0	55.3	87.8	84.3	81.1	72.3	1	80.0-120		J6	4.09	15
Fluoride	8.00		8.21	8.10	100	98.8	1	80.0-120			1.33	15
Nitrate	8.00	U	8.03	8.04	100	100	1	80.0-120			0.0921	15
Nitrite	8.00		8.39	8.31	105	104	1	80.0-120			0.911	15
Sulfate	40.0		82.8	83.9	75.7	78.5	1	80.0-120	J6	J6	1.31	15

Sample Narrative:

MS: CL/SO4 spike failed due to sample matrix.

MSD: CL/SO4 spike failed due to sample matrix

L1722270-18 Original Sample (OS) • Matrix Spike (MS)

(OS) L1722270-18 04/05/24 08:54 • (MS) R4058433-7 04/05/24 09:45

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	31.1	65.7	86.5	1	80.0-120	
Fluoride	8.00		8.58	105	1	80.0-120	
Nitrate	8.00	0.134	7.66	94.1	1	80.0-120	
Nitrite	8.00		8.19	102	1	80.0-120	
Sulfate	40.0		55.7	89.6	1	80.0-120	

Method Blank (MB)

(MB) R4057277-1 04/05/24 13:26

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.379	1.00
Fluoride	U		0.0640	0.150
Nitrate	0.0611	J	0.0480	0.100
Nitrite	U		0.0420	0.100
Sulfate	U		0.594	5.00

L1720584-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1720584-02 04/05/24 13:56 • (DUP) R4057277-3 04/05/24 14:11

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	51.0	51.0	1	0.0212		15
Fluoride	0.361	0.282	1	24.5	P1	15
Nitrate	2.90	2.94	1	1.31		15
Nitrite	0.257	0.286	1	10.9		15
Sulfate	163	163	1	0.412		15

L1722065-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1722065-04 04/05/24 17:39 • (DUP) R4057277-6 04/05/24 17:54

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	40.5	40.7	1	0.420		15
Fluoride	0.0899	0.0725	1	21.4	J P1	15
Nitrate	3.84	3.88	1	0.894		15
Nitrite	U	U	1	0.000		15
Sulfate	34.1	34.1	1	0.104		15

Laboratory Control Sample (LCS)

(LCS) R4057277-2 04/05/24 13:41

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	39.7	99.2	80.0-120	
Fluoride	8.00	7.79	97.3	80.0-120	
Nitrate	8.00	7.53	94.1	80.0-120	
Nitrite	8.00	7.66	95.7	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R4057277-2 04/05/24 13:41

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Sulfate	40.0	40.7	102	80.0-120	

L1720584-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1720584-02 04/05/24 13:56 • (MS) R4057277-4 04/05/24 14:25 • (MSD) R4057277-5 04/05/24 14:40

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	40.0	51.0	80.8	80.8	74.5	74.5	1	80.0-120	J6	J6	0.00483	15
Fluoride	8.00	0.361	8.10	8.30	96.8	99.2	1	80.0-120			2.41	15
Nitrate	8.00	2.90	10.7	10.9	97.7	99.5	1	80.0-120			1.32	15
Nitrite	8.00	0.257	7.98	7.97	96.5	96.4	1	80.0-120			0.0903	15
Sulfate	40.0	163	175	174	28.1	26.5	1	80.0-120	V	V	0.365	15

Sample Narrative:

MS: Cl/Br/SO4 spike failed due to sample matrix

MSD: Cl/Br/SO4 spike failed due to sample matrix

L1722065-04 Original Sample (OS) • Matrix Spike (MS)

(OS) L1722065-04 04/05/24 17:39 • (MS) R4057277-7 04/05/24 18:09

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	40.5	72.9	81.0	1	80.0-120	
Fluoride	8.00	0.0899	7.91	97.7	1	80.0-120	
Nitrate	8.00	3.84	11.4	94.7	1	80.0-120	
Nitrite	8.00	U	8.17	102	1	80.0-120	
Sulfate	40.0	34.1	69.1	87.5	1	80.0-120	

Method Blank (MB)

(MB) R4058877-1 04/17/24 03:53

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Nitrate	U		0.0480	0.100

L1722270-18 Original Sample (OS) • Duplicate (DUP)

(OS) L1722270-18 04/17/24 04:56 • (DUP) R4058877-3 04/17/24 05:12

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate	0.165	0.122	1	30.2	P1	15

Sample Narrative:

OS: NO3 reran out of hold due to instrument QC failure on intial run

L1724704-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1724704-01 04/17/24 10:31 • (DUP) R4058877-5 04/17/24 10:46

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate	0.833	0.886	1	6.10		15

Laboratory Control Sample (LCS)

(LCS) R4058877-2 04/17/24 04:09

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate	8.00	7.74	96.8	80.0-120	

L1722270-18 Original Sample (OS) • Matrix Spike (MS)

(OS) L1722270-18 04/17/24 04:56 • (MS) R4058877-4 04/17/24 05:28

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Nitrate	8.00	0.165	7.15	87.3	1	80.0-120	

Sample Narrative:

OS: NO3 reran out of hold due to instrument QC failure on intial run

L1724704-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1724704-01 04/17/24 10:31 • (MS) R4058877-6 04/17/24 11:02 • (MSD) R4058877-7 04/17/24 11:18

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate	8.00	0.833	8.33	8.37	93.8	94.2	1	80.0-120			0.449	15

Sample Narrative:

MS: SO4 spike failed due to sample matrix

MSD: SO4 spike failed due to sample matrix

Method Blank (MB)

(MB) R4060419-1 04/19/24 04:45

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Fluoride	0.0994	J	0.0640	0.150

L1727150-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1727150-08 04/19/24 05:10 • (DUP) R4060419-3 04/19/24 07:42

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Fluoride	0.141	0.136	1	3.83	J	15

L1727158-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1727158-01 04/19/24 05:23 • (DUP) R4060419-6 04/19/24 08:20

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Fluoride	0.419	0.406	1	3.08		15

Laboratory Control Sample (LCS)

(LCS) R4060419-2 04/19/24 04:58

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Fluoride	8.00	8.38	105	80.0-120	

L1727150-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1727150-08 04/19/24 05:10 • (MS) R4060419-4 04/19/24 07:54 • (MSD) R4060419-5 04/19/24 08:07

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Fluoride	8.00	0.141	8.49	8.48	104	104	1	80.0-120			0.0896	15

L1727158-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1727158-01 04/19/24 05:23 • (MS) R4060419-7 04/19/24 08:32

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Fluoride	8.00	0.419	9.08	108	1	80.0-120	

Method Blank (MB)

(MB) R4061328-1 04/23/24 09:02

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Fluoride	U		0.0640	0.150

L1727119-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1727119-11 04/23/24 17:27 • (DUP) R4061328-6 04/23/24 17:40

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Fluoride	0.698	0.685	1	1.87		15

L1727119-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1727119-09 04/24/24 09:56 • (DUP) R4061678-1 04/24/24 10:09

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Fluoride	0.643	0.613	5	4.81	J	15

Laboratory Control Sample (LCS)

(LCS) R4061328-2 04/23/24 09:14

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Fluoride	8.00	8.04	100	80.0-120	

L1727119-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1727119-11 04/23/24 17:27 • (MS) R4061328-7 04/23/24 17:53 • (MSD) R4061328-8 04/23/24 18:06

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Fluoride	8.00	0.698	7.98	8.37	91.0	95.9	1	80.0-120			4.73	15

L1727119-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1727119-09 04/24/24 09:56 • (MS) R4061678-2 04/24/24 10:21 • (MSD) R4061678-3 04/24/24 10:34

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Fluoride	8.00	0.643	8.85	8.81	103	102	5	80.0-120			0.436	15

Method Blank (MB)

(MB) R4060856-1 04/19/24 15:36

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Fluoride	U		0.0640	0.150

L1722286-67 Original Sample (OS) • Duplicate (DUP)

(OS) L1722286-67 04/19/24 16:04 • (DUP) R4060856-3 04/19/24 16:18

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Fluoride	1.07	1.21	1	12.6		15

L1724609-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1724609-03 04/19/24 20:24 • (DUP) R4060856-6 04/19/24 21:05

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Fluoride	0.330	0.327	1	0.792		15

Laboratory Control Sample (LCS)

(LCS) R4060856-2 04/19/24 15:50

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Fluoride	8.00	8.18	102	80.0-120	

L1722286-67 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1722286-67 04/19/24 16:04 • (MS) R4060856-4 04/19/24 16:31 • (MSD) R4060856-5 04/19/24 16:45

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Fluoride	8.00	1.07	8.89	8.78	97.8	96.4	1	80.0-120			1.23	15

L1724609-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1724609-03 04/19/24 20:24 • (MS) R4060856-7 04/19/24 21:19 • (MSD) R4060856-8 04/19/24 21:33

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Fluoride	8.00	0.330	8.63	8.42	104	101	1	80.0-120			2.43	15

Method Blank (MB)

(MB) R4054731-1 04/06/24 21:02

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury	U		0.000100	0.000200

Laboratory Control Sample (LCS)

(LCS) R4054731-2 04/06/24 21:04

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.00300	0.00294	98.0	80.0-120	

L1722182-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1722182-01 04/06/24 21:07 • (MS) R4054731-4 04/06/24 21:16 • (MSD) R4054731-5 04/06/24 21:19

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.00300	U	0.00302	0.00312	101	104	1	75.0-125			3.38	20

Method Blank (MB)

(MB) R4054679-1 04/06/24 18:56

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury	U		0.000100	0.000200

Laboratory Control Sample (LCS)

(LCS) R4054679-2 04/06/24 18:59

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.00300	0.00297	98.9	80.0-120	

L1722394-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1722394-01 04/06/24 19:01 • (MS) R4054679-4 04/06/24 19:05 • (MSD) R4054679-5 04/06/24 19:08

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.00300	U	0.00314	0.00308	105	103	1	75.0-125			2.00	20

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Method Blank (MB)

(MB) R4054662-1 04/06/24 17:02

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury,Dissolved	U		0.000100	0.000200

Laboratory Control Sample (LCS)

(LCS) R4054662-2 04/06/24 17:05

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury,Dissolved	0.00300	0.00310	103	80.0-120	

L1722296-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1722296-12 04/06/24 17:07 • (MS) R4054662-4 04/06/24 17:12 • (MSD) R4054662-5 04/06/24 17:14

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury,Dissolved	0.00300	U	0.00323	0.00325	108	108	1	75.0-125			0.618	20

Method Blank (MB)

(MB) R4055239-1 04/08/24 18:54

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury,Dissolved	U		0.000100	0.000200

Laboratory Control Sample (LCS)

(LCS) R4055239-2 04/08/24 18:56

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury,Dissolved	0.00300	0.00293	97.7	80.0-120	

L1722286-44 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1722286-44 04/08/24 18:59 • (MS) R4055239-4 04/08/24 19:04 • (MSD) R4055239-5 04/08/24 19:11

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury,Dissolved	0.00300	U	0.00143	0.00150	47.7	50.0	1	75.0-125	J6	J6	4.85	20

Method Blank (MB)

(MB) R4055078-1 04/08/24 09:42

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Boron,Dissolved	U		0.0200	0.200

Laboratory Control Sample (LCS)

(LCS) R4055078-2 04/08/24 09:44

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Boron,Dissolved	1.00	0.973	97.3	80.0-120	

L1722286-28 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1722286-28 04/08/24 10:11 • (MS) R4055078-4 04/08/24 09:49 • (MSD) R4055078-5 04/08/24 09:50

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Boron,Dissolved	1.00	0.763	1.74	1.73	98.2	96.9	1	75.0-125			0.710	20

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Method Blank (MB)

(MB) R4055737-1 04/09/24 16:19

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Boron,Dissolved	U		0.0200	0.200

Laboratory Control Sample (LCS)

(LCS) R4055737-2 04/09/24 16:26

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Boron,Dissolved	1.00	0.981	98.1	80.0-120	

L1722296-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1722296-12 04/09/24 16:27 • (MS) R4055737-4 04/09/24 16:31 • (MSD) R4055737-5 04/09/24 16:32

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Boron,Dissolved	1.00	1.30	2.15	2.15	85.3	85.6	1	75.0-125			0.120	20

Method Blank (MB)

(MB) R4056409-1 04/10/24 21:11

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Boron	U		0.0200	0.200

Laboratory Control Sample (LCS)

(LCS) R4056409-2 04/10/24 21:12

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Boron	1.00	0.970	97.0	80.0-120	

L1722275-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1722275-05 04/10/24 21:14 • (MS) R4056409-4 04/10/24 21:17 • (MSD) R4056409-5 04/10/24 21:19

Analyte	Spike Amount mg/l	Original Result	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Boron	1.00		1.01	1.01	95.4	95.8	1	75.0-125			0.382	20

Method Blank (MB)

(MB) R4055801-1 04/09/24 20:21

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Boron	U		0.0200	0.200

Laboratory Control Sample (LCS)

(LCS) R4055801-2 04/09/24 20:22

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Boron	1.00	0.984	98.4	80.0-120	

L1722292-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1722292-02 04/09/24 20:24 • (MS) R4055801-4 04/09/24 20:28 • (MSD) R4055801-5 04/09/24 20:29

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Boron	1.00	0.0360	1.01	1.02	97.2	97.9	1	75.0-125			0.683	20

Method Blank (MB)

(MB) R4055842-1 04/10/24 01:02

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic,Dissolved	U		0.000180	0.00200
Barium,Dissolved	U		0.000381	0.00200
Chromium,Dissolved	U		0.00124	0.00200
Iron,Dissolved	U		0.0281	0.100
Lead,Dissolved	U		0.000849	0.00200
Manganese,Dissolved	U		0.000704	0.00500
Selenium,Dissolved	U		0.000300	0.00200

Laboratory Control Sample (LCS)

(LCS) R4055842-2 04/10/24 01:05

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic,Dissolved	0.0500	0.0533	107	80.0-120	
Barium,Dissolved	0.0500	0.0529	106	80.0-120	
Chromium,Dissolved	0.0500	0.0549	110	80.0-120	
Iron,Dissolved	1.00	1.07	107	80.0-120	
Lead,Dissolved	0.0500	0.0529	106	80.0-120	
Manganese,Dissolved	0.0500	0.0557	111	80.0-120	
Selenium,Dissolved	0.0500	0.0537	107	80.0-120	

L1721276-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1721276-07 04/10/24 01:09 • (MS) R4055842-4 04/10/24 01:15 • (MSD) R4055842-5 04/10/24 01:19

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic,Dissolved	0.0500	0.00449	0.0571	0.0567	105	104	1	75.0-125			0.834	20
Barium,Dissolved	0.0500	0.00839	0.0590	0.0581	101	99.4	1	75.0-125			1.52	20
Chromium,Dissolved	0.0500	U	0.0532	0.0530	106	106	1	75.0-125			0.225	20
Iron,Dissolved	1.00	U	1.04	1.04	104	104	1	75.0-125			0.293	20
Lead,Dissolved	0.0500	U	0.0526	0.0513	105	103	1	75.0-125			2.67	20
Manganese,Dissolved	0.0500	0.000737	0.0532	0.0517	105	102	1	75.0-125			2.79	20
Selenium,Dissolved	0.0500	0.00513	0.0581	0.0575	106	105	1	75.0-125			1.04	20

Method Blank (MB)

(MB) R4056782-1 04/11/24 22:29

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic,Dissolved	U		0.000180	0.00200
Barium,Dissolved	U		0.000381	0.00200
Cadmium,Dissolved	U		0.000150	0.00100
Chromium,Dissolved	U		0.00124	0.00200
Cobalt,Dissolved	U		0.0000596	0.00200
Iron,Dissolved	U		0.0281	0.100
Lead,Dissolved	U		0.000849	0.00200
Manganese,Dissolved	U		0.000704	0.00500
Nickel,Dissolved	U		0.000816	0.00200
Selenium,Dissolved	U		0.000300	0.00200
Uranium,Dissolved	U		0.0000789	0.00100
Vanadium,Dissolved	U		0.000664	0.00500

Laboratory Control Sample (LCS)

(LCS) R4056782-2 04/11/24 22:32

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic,Dissolved	0.0500	0.0455	91.0	80.0-120	
Barium,Dissolved	0.0500	0.0414	82.8	80.0-120	
Cadmium,Dissolved	0.0500	0.0408	81.6	80.0-120	
Chromium,Dissolved	0.0500	0.0413	82.6	80.0-120	
Cobalt,Dissolved	0.0500	0.0427	85.3	80.0-120	
Iron,Dissolved	1.00	0.849	84.9	80.0-120	
Lead,Dissolved	0.0500	0.0414	82.8	80.0-120	
Manganese,Dissolved	0.0500	0.0438	87.7	80.0-120	
Nickel,Dissolved	0.0500	0.0423	84.5	80.0-120	
Selenium,Dissolved	0.0500	0.0434	86.8	80.0-120	
Uranium,Dissolved	0.0500	0.0398	79.7	80.0-120	J4
Vanadium,Dissolved	0.0500	0.0420	84.1	80.0-120	

L1722286-18 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1722286-18 04/11/24 23:26 • (MS) R4056782-7 04/11/24 23:33 • (MSD) R4056782-8 04/11/24 23:36

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic,Dissolved	0.0500	0.0676	0.124	0.125	112	115	5	75.0-125			1.26	20
Barium,Dissolved	0.0500	0.0157	0.0757	0.0785	120	126	5	75.0-125		J5	3.70	20
Cadmium,Dissolved	0.0500	U	0.0490	0.0511	98.0	102	5	75.0-125			4.22	20

L1722286-18 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1722286-18 04/11/24 23:26 • (MS) R4056782-7 04/11/24 23:33 • (MSD) R4056782-8 04/11/24 23:36

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chromium,Dissolved	0.0500	0.0160	0.0499	0.0565	67.8	81.1	5	75.0-125	J6		12.5	20
Cobalt,Dissolved	0.0500	0.00144	0.0518	0.0537	101	105	5	75.0-125			3.65	20
Iron,Dissolved	1.00	4.17	5.22	5.39	105	122	5	75.0-125			3.16	20
Lead,Dissolved	0.0500	U	0.0523	0.0526	105	105	5	75.0-125			0.516	20
Manganese,Dissolved	0.0500	3.10	3.15	3.26	114	320	5	75.0-125		V	3.21	20
Nickel,Dissolved	0.0500	0.0225	0.0728	0.0751	101	105	5	75.0-125			2.99	20
Selenium,Dissolved	0.0500	U	0.0576	0.0556	115	111	5	75.0-125			3.40	20
Uranium,Dissolved	0.0500	0.00220	0.0558	0.0562	107	108	5	75.0-125			0.573	20
Vanadium,Dissolved	0.0500	U	0.0548	0.0545	110	109	5	75.0-125			0.570	20

Method Blank (MB)

(MB) R4056694-1 04/11/24 15:51

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic,Dissolved	U		0.000180	0.00200
Barium,Dissolved	U		0.000381	0.00200
Cadmium,Dissolved	U		0.000150	0.00100
Chromium,Dissolved	U		0.00124	0.00200
Cobalt,Dissolved	U		0.0000596	0.00200
Iron,Dissolved	U		0.0281	0.100
Lead,Dissolved	U		0.000849	0.00200
Manganese,Dissolved	U		0.000704	0.00500
Nickel,Dissolved	U		0.000816	0.00200
Selenium,Dissolved	U		0.000300	0.00200
Uranium,Dissolved	U		0.0000789	0.00100
Vanadium,Dissolved	U		0.000664	0.00500

Laboratory Control Sample (LCS)

(LCS) R4056694-2 04/11/24 15:55

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic,Dissolved	0.0500	0.0501	100	80.0-120	
Barium,Dissolved	0.0500	0.0483	96.6	80.0-120	
Cadmium,Dissolved	0.0500	0.0489	97.8	80.0-120	
Chromium,Dissolved	0.0500	0.0496	99.1	80.0-120	
Cobalt,Dissolved	0.0500	0.0505	101	80.0-120	
Iron,Dissolved	1.00	1.06	106	80.0-120	
Lead,Dissolved	0.0500	0.0493	98.7	80.0-120	
Manganese,Dissolved	0.0500	0.0502	100	80.0-120	
Nickel,Dissolved	0.0500	0.0572	114	80.0-120	
Selenium,Dissolved	0.0500	0.0499	99.8	80.0-120	
Uranium,Dissolved	0.0500	0.0477	95.5	80.0-120	
Vanadium,Dissolved	0.0500	0.0493	98.7	80.0-120	

L1722286-57 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1722286-57 04/11/24 15:58 • (MS) R4056694-4 04/11/24 16:05 • (MSD) R4056694-5 04/11/24 16:08

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic,Dissolved	0.0500	0.0264	0.0741	0.0759	95.4	99.0	1	75.0-125			2.44	20
Barium,Dissolved	0.0500	2.00	2.05	2.00	107	0.000	1	75.0-125	E	E V	2.66	20
Cadmium,Dissolved	0.0500	U	0.0490	0.0484	98.1	96.7	1	75.0-125			1.35	20

L1722286-57 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1722286-57 04/11/24 15:58 • (MS) R4056694-4 04/11/24 16:05 • (MSD) R4056694-5 04/11/24 16:08

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chromium,Dissolved	0.0500	U	0.0472	0.0477	94.4	95.3	1	75.0-125			0.974	20
Cobalt,Dissolved	0.0500	0.0000989	0.0463	0.0466	92.4	93.0	1	75.0-125			0.688	20
Iron,Dissolved	1.00	U	0.941	0.948	94.1	94.8	1	75.0-125			0.670	20
Lead,Dissolved	0.0500	U	0.0475	0.0484	94.9	96.8	1	75.0-125			1.92	20
Manganese,Dissolved	0.0500	0.0459	0.0936	0.0930	95.5	94.4	1	75.0-125			0.632	20
Nickel,Dissolved	0.0500	0.00152	0.0469	0.0478	90.8	92.5	1	75.0-125			1.80	20
Selenium,Dissolved	0.0500	0.000607	0.0491	0.0525	96.9	104	1	75.0-125			6.82	20
Uranium,Dissolved	0.0500	U	0.0477	0.0482	95.4	96.4	1	75.0-125			1.05	20
Vanadium,Dissolved	0.0500	0.000899	0.0477	0.0479	93.6	94.0	1	75.0-125			0.416	20

Method Blank (MB)

(MB) R4056750-1 04/11/24 20:21

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic,Dissolved	U		0.000180	0.00200
Barium,Dissolved	U		0.000381	0.00200
Cadmium,Dissolved	U		0.000150	0.00100
Chromium,Dissolved	U		0.00124	0.00200
Cobalt,Dissolved	U		0.0000596	0.00200
Iron,Dissolved	U		0.0281	0.100
Lead,Dissolved	U		0.000849	0.00200
Manganese,Dissolved	U		0.000704	0.00500
Nickel,Dissolved	U		0.000816	0.00200
Selenium,Dissolved	U		0.000300	0.00200
Uranium,Dissolved	U		0.0000789	0.00100
Vanadium,Dissolved	U		0.000664	0.00500

Laboratory Control Sample (LCS)

(LCS) R4056750-2 04/11/24 20:24

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic,Dissolved	0.0500	0.0510	102	80.0-120	
Barium,Dissolved	0.0500	0.0492	98.5	80.0-120	
Cadmium,Dissolved	0.0500	0.0485	97.0	80.0-120	
Chromium,Dissolved	0.0500	0.0488	97.6	80.0-120	
Cobalt,Dissolved	0.0500	0.0492	98.3	80.0-120	
Iron,Dissolved	1.00	0.938	93.8	80.0-120	
Lead,Dissolved	0.0500	0.0488	97.7	80.0-120	
Manganese,Dissolved	0.0500	0.0501	100	80.0-120	
Nickel,Dissolved	0.0500	0.0501	100	80.0-120	
Selenium,Dissolved	0.0500	0.0516	103	80.0-120	
Uranium,Dissolved	0.0500	0.0463	92.6	80.0-120	
Vanadium,Dissolved	0.0500	0.0491	98.2	80.0-120	

L1722286-74 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1722286-74 04/11/24 20:28 • (MS) R4056750-4 04/11/24 20:35 • (MSD) R4056750-5 04/11/24 20:38

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic,Dissolved	0.0500	0.00321	0.0532	0.0533	100	100	1	75.0-125			0.168	20
Barium,Dissolved	0.0500	0.0123	0.0568	0.0595	89.2	94.4	1	75.0-125			4.54	20
Cadmium,Dissolved	0.0500	U	0.0426	0.0428	85.2	85.7	1	75.0-125			0.574	20

L1722286-74 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1722286-74 04/11/24 20:28 • (MS) R4056750-4 04/11/24 20:35 • (MSD) R4056750-5 04/11/24 20:38

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chromium,Dissolved	0.0500	U	0.0444	0.0438	88.8	87.6	1	75.0-125			1.30	20
Cobalt,Dissolved	0.0500	0.000684	0.0454	0.0445	89.4	87.6	1	75.0-125			1.93	20
Iron,Dissolved	1.00	U	0.919	0.909	91.9	90.9	1	75.0-125			1.09	20
Lead,Dissolved	0.0500	U	0.0445	0.0448	89.1	89.6	1	75.0-125			0.616	20
Manganese,Dissolved	0.0500	0.295	0.339	0.329	87.7	67.4	1	75.0-125		V	3.05	20
Nickel,Dissolved	0.0500	0.00301	0.0464	0.0457	86.8	85.5	1	75.0-125			1.43	20
Selenium,Dissolved	0.0500	0.0232	0.0733	0.0726	100	99.0	1	75.0-125			0.912	20
Uranium,Dissolved	0.0500	0.0137	0.0577	0.0579	88.1	88.5	1	75.0-125			0.353	20
Vanadium,Dissolved	0.0500	0.00925	0.0551	0.0540	91.8	89.4	1	75.0-125			2.12	20

Method Blank (MB)

(MB) R4056012-1 04/10/24 11:16

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.000180	0.00200
Barium	U		0.000381	0.00200
Calcium	U		0.0936	1.00
Chromium	U		0.00124	0.00200
Iron	U		0.0281	0.100
Lead	U		0.000849	0.00200
Manganese	U		0.000704	0.00500
Potassium	U		0.108	2.00
Selenium	U		0.000300	0.00200
Sodium	U		0.376	2.00

Laboratory Control Sample (LCS)

(LCS) R4056012-2 04/10/24 11:19

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	0.0500	0.0557	111	80.0-120	
Barium	0.0500	0.0510	102	80.0-120	
Calcium	5.00	5.36	107	80.0-120	
Chromium	0.0500	0.0568	114	80.0-120	
Iron	1.00	1.09	109	80.0-120	
Lead	0.0500	0.0540	108	80.0-120	
Manganese	0.0500	0.0552	110	80.0-120	
Potassium	5.00	5.22	104	80.0-120	
Selenium	0.0500	0.0530	106	80.0-120	
Sodium	5.00	5.67	113	80.0-120	

L1722347-17 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1722347-17 04/10/24 11:23 • (MS) R4056012-4 04/10/24 11:30 • (MSD) R4056012-5 04/10/24 11:33

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	0.000329	0.0549	0.0530	109	105	1	75.0-125			3.57	20
Barium	0.0500	0.184	0.241	0.237	113	105	1	75.0-125			1.48	20
Calcium	5.00	44.7	50.4	48.2	114	69.8	1	75.0-125		V	4.47	20
Chromium	0.0500	U	0.0543	0.0527	109	105	1	75.0-125			3.11	20
Iron	1.00	U	1.07	1.07	107	107	1	75.0-125			0.560	20
Lead	0.0500	U	0.0545	0.0535	109	107	1	75.0-125			1.87	20
Manganese	0.0500	0.00754	0.0605	0.0581	106	101	1	75.0-125			4.15	20

L1722347-17 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1722347-17 04/10/24 11:23 • (MS) R4056012-4 04/10/24 11:30 • (MSD) R4056012-5 04/10/24 11:33

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Potassium	5.00	4.47	9.76	9.27	106	95.9	1	75.0-125			5.16	20
Selenium	0.0500	U	0.0529	0.0517	106	103	1	75.0-125			2.20	20
Sodium	5.00	158	163	158	96.8	7.26	1	75.0-125		V	2.79	20

Method Blank (MB)

(MB) R4057486-1 04/14/24 13:09

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.000180	0.00200
Barium	U		0.000381	0.00200
Cadmium	U		0.000150	0.00100
Calcium	U		0.0936	1.00
Chromium	U		0.00124	0.00200
Cobalt	U		0.0000596	0.00200
Iron	U		0.0281	0.100
Lead	U		0.000849	0.00200
Manganese	U		0.000704	0.00500
Nickel	U		0.000816	0.00200
Potassium	U		0.108	2.00
Selenium	U		0.000300	0.00200
Sodium	U		0.376	2.00
Uranium	U		0.0000789	0.00100
Vanadium	U		0.000664	0.00500

Laboratory Control Sample (LCS)

(LCS) R4057486-2 04/14/24 13:18

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	0.0500	0.0512	102	80.0-120	
Barium	0.0500	0.0493	98.6	80.0-120	
Cadmium	0.0500	0.0533	107	80.0-120	
Calcium	5.00	5.31	106	80.0-120	
Chromium	0.0500	0.0508	102	80.0-120	
Cobalt	0.0500	0.0518	104	80.0-120	
Iron	1.00	1.03	103	80.0-120	
Lead	0.0500	0.0527	105	80.0-120	
Manganese	0.0500	0.0517	103	80.0-120	
Nickel	0.0500	0.0521	104	80.0-120	
Potassium	5.00	5.24	105	80.0-120	
Selenium	0.0500	0.0516	103	80.0-120	
Sodium	5.00	5.03	101	80.0-120	
Uranium	0.0500	0.0499	99.8	80.0-120	
Vanadium	0.0500	0.0511	102	80.0-120	

L1722286-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1722286-06 04/14/24 13:21 • (MS) R4057486-4 04/14/24 13:27 • (MSD) R4057486-5 04/14/24 13:31

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	0.0902	0.146	0.140	111	100	1	75.0-125			3.79	20
Barium	0.0500	0.0138	0.0637	0.0656	99.8	104	1	75.0-125			2.89	20
Cadmium	0.0500	U	0.0485	0.0499	96.9	99.9	1	75.0-125			2.97	20
Calcium	5.00	536	541	542	90.2	108	1	75.0-125			0.164	20
Chromium	0.0500	U	0.0493	0.0483	98.5	96.6	1	75.0-125			1.98	20
Cobalt	0.0500	0.00476	0.0540	0.0531	98.4	96.7	1	75.0-125			1.60	20
Iron	1.00	0.0507	1.02	0.997	97.3	94.6	1	75.0-125			2.66	20
Lead	0.0500	U	0.0531	0.0533	106	107	1	75.0-125			0.346	20
Manganese	0.0500	1.95	2.06	2.00	230	113	1	75.0-125	V		2.87	20
Nickel	0.0500	0.0139	0.0619	0.0610	95.9	94.2	1	75.0-125			1.39	20
Potassium	5.00	25.3	30.5	29.8	104	91.9	1	75.0-125			2.02	20
Selenium	0.0500	0.00528	0.0608	0.0595	111	108	1	75.0-125			2.06	20
Sodium	5.00	1960	1770	1800	0.000	0.000	1	75.0-125	E V	E V	1.83	20
Uranium	0.0500	0.00270	0.0552	0.0560	105	107	1	75.0-125			1.31	20
Vanadium	0.0500	U	0.0516	0.0504	103	101	1	75.0-125			2.33	20

Method Blank (MB)

(MB) R4056716-1 04/11/24 18:03

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.000180	0.00200
Barium	U		0.000381	0.00200
Cadmium	U		0.000150	0.00100
Calcium	U		0.0936	1.00
Chromium	U		0.00124	0.00200
Cobalt	U		0.0000596	0.00200
Iron	U		0.0281	0.100
Lead	U		0.000849	0.00200
Manganese	U		0.000704	0.00500
Nickel	U		0.000816	0.00200
Potassium	U		0.108	2.00
Selenium	U		0.000300	0.00200
Sodium	U		0.376	2.00
Uranium	U		0.0000789	0.00100
Vanadium	U		0.000664	0.00500

Laboratory Control Sample (LCS)

(LCS) R4056716-2 04/11/24 18:06

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	0.0500	0.0490	98.0	80.0-120	
Barium	0.0500	0.0484	96.8	80.0-120	
Cadmium	0.0500	0.0499	99.8	80.0-120	
Calcium	5.00	5.03	101	80.0-120	
Chromium	0.0500	0.0490	98.1	80.0-120	
Cobalt	0.0500	0.0504	101	80.0-120	
Iron	1.00	0.993	99.3	80.0-120	
Lead	0.0500	0.0448	89.6	80.0-120	
Manganese	0.0500	0.0478	95.5	80.0-120	
Nickel	0.0500	0.0500	100	80.0-120	
Potassium	5.00	4.90	98.0	80.0-120	
Selenium	0.0500	0.0483	96.7	80.0-120	
Sodium	5.00	5.05	101	80.0-120	
Uranium	0.0500	0.0441	88.2	80.0-120	
Vanadium	0.0500	0.0482	96.5	80.0-120	

QUALITY CONTROL SUMMARY

Metals (ICPMS) by Method 6020

L1722286-25,26,27,28,29,30,31,32,34,35,36,37,38,39,40,41,42,43,44,45

L1722286-41 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1722286-41 04/11/24 18:09 • (MS) R4056716-4 04/11/24 18:16 • (MSD) R4056716-5 04/11/24 18:19

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	0.00531	0.0543	0.0579	98.0	105	1	75.0-125			6.35	20
Barium	0.0500	0.0104	0.0562	0.0633	91.7	106	1	75.0-125			11.9	20
Cadmium	0.0500	U	0.0458	0.0496	91.7	99.1	1	75.0-125			7.78	20
Calcium	5.00	523	492	528	0.000	109	1	75.0-125	V		7.00	20
Chromium	0.0500	U	0.0476	0.0511	95.3	102	1	75.0-125			6.97	20
Cobalt	0.0500	0.000257	0.0471	0.0508	93.7	101	1	75.0-125			7.52	20
Iron	1.00	U	0.945	1.02	94.5	102	1	75.0-125			7.27	20
Lead	0.0500	U	0.0484	0.0506	96.9	101	1	75.0-125			4.37	20
Manganese	0.0500	0.127	0.168	0.181	81.5	108	1	75.0-125			7.50	20
Nickel	0.0500	0.00363	0.0495	0.0536	91.8	100	1	75.0-125			7.95	20
Potassium	5.00	2.07	6.55	7.03	89.6	99.3	1	75.0-125			7.14	20
Selenium	0.0500	0.0301	0.0775	0.0840	94.7	108	1	75.0-125			8.00	20
Sodium	5.00	421	396	402	0.000	0.000	1	75.0-125	V	V	1.53	20
Uranium	0.0500	0.0640	0.113	0.116	99.0	104	1	75.0-125			1.97	20
Vanadium	0.0500	0.0386	0.0842	0.0902	91.3	103	1	75.0-125			6.88	20

Method Blank (MB)

(MB) R4056207-1 04/10/24 15:53

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.000180	0.00200
Barium	U		0.000381	0.00200
Cadmium	U		0.000150	0.00100
Calcium	U		0.0936	1.00
Chromium	U		0.00124	0.00200
Cobalt	U		0.0000596	0.00200
Iron	U		0.0281	0.100
Lead	U		0.000849	0.00200
Manganese	U		0.000704	0.00500
Nickel	U		0.000816	0.00200
Potassium	U		0.108	2.00
Selenium	U		0.000300	0.00200
Sodium	U		0.376	2.00
Uranium	U		0.0000789	0.00100
Vanadium	U		0.000664	0.00500

Laboratory Control Sample (LCS)

(LCS) R4056207-2 04/10/24 15:57

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	0.0500	0.0515	103	80.0-120	
Barium	0.0500	0.0520	104	80.0-120	
Cadmium	0.0500	0.0531	106	80.0-120	
Calcium	5.00	5.23	105	80.0-120	
Chromium	0.0500	0.0529	106	80.0-120	
Cobalt	0.0500	0.0533	107	80.0-120	
Iron	1.00	1.04	104	80.0-120	
Lead	0.0500	0.0518	104	80.0-120	
Manganese	0.0500	0.0523	105	80.0-120	
Nickel	0.0500	0.0531	106	80.0-120	
Potassium	5.00	5.21	104	80.0-120	
Selenium	0.0500	0.0522	104	80.0-120	
Sodium	5.00	5.30	106	80.0-120	
Uranium	0.0500	0.0533	107	80.0-120	
Vanadium	0.0500	0.0523	105	80.0-120	

L1722286-48 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1722286-48 04/10/24 16:00 • (MS) R4056207-4 04/10/24 16:07 • (MSD) R4056207-5 04/10/24 16:10

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	U	0.0486	0.0493	97.3	98.6	1	75.0-125			1.33	20
Barium	0.0500	0.000687	0.0476	0.0492	93.9	97.0	1	75.0-125			3.24	20
Cadmium	0.0500	U	0.0505	0.0507	101	101	1	75.0-125			0.239	20
Calcium	5.00	0.252	5.15	5.12	97.9	97.3	1	75.0-125			0.614	20
Chromium	0.0500	U	0.0495	0.0499	99.0	99.9	1	75.0-125			0.860	20
Cobalt	0.0500	U	0.0503	0.0501	101	100	1	75.0-125			0.228	20
Iron	1.00	U	0.965	1.00	96.5	100	1	75.0-125			3.62	20
Lead	0.0500	U	0.0492	0.0481	98.4	96.1	1	75.0-125			2.34	20
Manganese	0.0500	U	0.0489	0.0493	97.8	98.7	1	75.0-125			0.902	20
Nickel	0.0500	U	0.0498	0.0498	99.6	99.6	1	75.0-125			0.00213	20
Potassium	5.00	0.162	5.09	5.06	98.5	97.9	1	75.0-125			0.539	20
Selenium	0.0500	U	0.0473	0.0500	94.5	100	1	75.0-125			5.62	20
Sodium	5.00	1.94	6.93	6.80	99.8	97.2	1	75.0-125			1.91	20
Uranium	0.0500	U	0.0498	0.0489	99.6	97.8	1	75.0-125			1.91	20
Vanadium	0.0500	U	0.0481	0.0489	96.1	97.8	1	75.0-125			1.76	20

Method Blank (MB)

(MB) R4057424-1 04/13/24 18:12

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.000180	0.00200
Barium	U		0.000381	0.00200
Cadmium	U		0.000150	0.00100
Calcium	U		0.0936	1.00
Chromium	U		0.00124	0.00200
Cobalt	U		0.0000596	0.00200
Iron	U		0.0281	0.100
Lead	U		0.000849	0.00200
Manganese	U		0.000704	0.00500
Nickel	U		0.000816	0.00200
Potassium	U		0.108	2.00
Selenium	U		0.000300	0.00200
Sodium	U		0.376	2.00
Uranium	U		0.0000789	0.00100
Vanadium	U		0.000664	0.00500

Laboratory Control Sample (LCS)

(LCS) R4057424-2 04/13/24 18:16

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	0.0500	0.0540	108	80.0-120	
Barium	0.0500	0.0521	104	80.0-120	
Cadmium	0.0500	0.0548	110	80.0-120	
Calcium	5.00	5.31	106	80.0-120	
Chromium	0.0500	0.0546	109	80.0-120	
Cobalt	0.0500	0.0549	110	80.0-120	
Iron	1.00	1.09	109	80.0-120	
Lead	0.0500	0.0560	112	80.0-120	
Manganese	0.0500	0.0533	107	80.0-120	
Nickel	0.0500	0.0552	110	80.0-120	
Potassium	5.00	5.06	101	80.0-120	
Selenium	0.0500	0.0513	103	80.0-120	
Sodium	5.00	5.27	105	80.0-120	
Uranium	0.0500	0.0540	108	80.0-120	
Vanadium	0.0500	0.0528	106	80.0-120	

L1722286-67 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1722286-67 04/13/24 18:19 • (MS) R4057424-4 04/13/24 18:26 • (MSD) R4057424-5 04/13/24 18:29

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	0.00534	0.0586	0.0577	106	105	1	75.0-125			1.47	20
Barium	0.0500	0.0105	0.0620	0.0603	103	99.5	1	75.0-125			2.82	20
Cadmium	0.0500	U	0.0517	0.0516	103	103	1	75.0-125			0.206	20
Calcium	5.00	343	345	341	35.1	0.000	1	75.0-125	V	V	0.970	20
Chromium	0.0500	U	0.0515	0.0509	103	102	1	75.0-125			1.10	20
Cobalt	0.0500	0.00487	0.0553	0.0550	101	100	1	75.0-125			0.613	20
Iron	1.00	0.0856	1.08	1.08	99.7	99.1	1	75.0-125			0.584	20
Lead	0.0500	U	0.0521	0.0555	104	111	1	75.0-125			6.29	20
Manganese	0.0500	0.170	0.216	0.216	93.5	92.2	1	75.0-125			0.293	20
Nickel	0.0500	0.00796	0.0571	0.0580	98.2	100	1	75.0-125			1.53	20
Potassium	5.00	1.34	6.30	6.13	99.3	95.9	1	75.0-125			2.68	20
Selenium	0.0500	0.00366	0.0558	0.0529	104	98.4	1	75.0-125			5.37	20
Sodium	5.00	110	113	99.6	60.5	0.000	1	75.0-125	V	V	12.7	20
Uranium	0.0500	0.00953	0.0609	0.0651	103	111	1	75.0-125			6.62	20
Vanadium	0.0500	0.0197	0.0690	0.0695	98.6	99.5	1	75.0-125			0.655	20

Method Blank (MB)

(MB) R4056443-3 04/10/24 03:08

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*101*			*78.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4056443-1 04/10/24 02:03 • (LCSD) R4056443-2 04/10/24 02:25

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.00	5.59	5.57	112	111	72.0-127			0.358	20
(S) a,a,a-Trifluorotoluene(FID)				*105*	*105*	*78.0-120*				

Method Blank (MB)

(MB) R4056889-3 04/10/24 11:13

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*100*			*78.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4056889-1 04/10/24 09:49 • (LCSD) R4056889-2 04/10/24 10:15

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.00	4.59	4.81	91.8	96.2	72.0-127			4.68	20
(S) a,a,a-Trifluorotoluene(FID)				*106*	*106*	*78.0-120*				

L1722045-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1722045-01 04/10/24 12:17 • (MS) R4056889-4 04/10/24 17:46 • (MSD) R4056889-5 04/10/24 18:06

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.00	U	5.01	4.93	100	98.6	1	10.0-160			1.61	22
(S) a,a,a-Trifluorotoluene(FID)					*106*	*105*		*78.0-120*				

Method Blank (MB)

(MB) R4056941-2 04/10/24 16:12

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*116*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R4056941-1 04/10/24 15:26

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.00	5.20	104	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*115*	*78.0-120*	

L1722286-30 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1722286-30 04/10/24 21:29 • (MS) R4056941-3 04/10/24 23:00 • (MSD) R4056941-4 04/10/24 23:23

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.00	0.617	6.10	5.68	110	101	1	10.0-160			7.13	22
(S) a,a,a-Trifluorotoluene(FID)					*117*	*113*		*78.0-120*				

Method Blank (MB)

(MB) R4057279-3 04/10/24 22:25

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*92.4*			*78.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4057279-1 04/10/24 21:17 • (LCSD) R4057279-2 04/10/24 21:40

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.00	4.31	4.40	86.2	88.0	72.0-127			2.07	20
(S) a,a,a-Trifluorotoluene(FID)				*95.6*	*98.4*	*78.0-120*				

Method Blank (MB)

(MB) R4056570-3 04/10/24 22:02

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*97.6*			*78.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4056570-1 04/10/24 21:04 • (LCSD) R4056570-2 04/10/24 21:23

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.00	6.17	5.84	123	117	72.0-127			5.50	20
(S) a,a,a-Trifluorotoluene(FID)				*109*	*109*	*78.0-120*				

Received by OCD: 6/12/2025 1:19:15 PM

Method Blank (MB)

(MB) R4057135-3 04/11/24 23:10

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*92.7*			*78.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4057135-1 04/11/24 22:02 • (LCSD) R4057135-2 04/11/24 22:24

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.00	5.04	5.13	101	103	72.0-127			1.77	20
(S) a,a,a-Trifluorotoluene(FID)				*96.4*	*100*	*78.0-120*				

Released to Imaging: 6/17/2025 4:41:11 PM

Received by OCD: 6/12/2025 1:19:15 PM

Method Blank (MB)

(MB) R4057635-2 04/14/24 10:46

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*102*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R4057635-1 04/14/24 09:52

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.00	4.92	98.4	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*98.4*	*78.0-120*	

Released to Imaging: 6/17/2025 4:41:11 PM

Method Blank (MB)

(MB) R4055871-2 04/06/24 15:38

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
2-Hexanone	U		0.000787	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
tert-Butyl alcohol	U		0.00406	0.00500
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100

Method Blank (MB)

(MB) R4055871-2 04/06/24 15:38

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
o-Xylene	U		0.000174	0.00100
m&p-Xylene	U		0.000430	0.00200
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*111*			*80.0-120*
(S) 4-Bromofluorobenzene	*98.9*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*88.4*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4055871-1 04/06/24 14:38

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.0250	0.00498	19.9	19.0-160	
Benzene	0.00500	0.00529	106	70.0-123	
Bromodichloromethane	0.00500	0.00434	86.8	75.0-120	
Bromoform	0.00500	0.00498	99.6	68.0-132	
Bromomethane	0.00500	0.00623	125	10.0-160	
n-Butylbenzene	0.00500	0.00521	104	73.0-125	
sec-Butylbenzene	0.00500	0.00493	98.6	75.0-125	
Carbon disulfide	0.00500	0.00460	92.0	61.0-128	
Carbon tetrachloride	0.00500	0.00543	109	68.0-126	
Chlorobenzene	0.00500	0.00591	118	80.0-121	
Chlorodibromomethane	0.00500	0.00550	110	77.0-125	
Chloroethane	0.00500	0.00519	104	47.0-150	
Chloroform	0.00500	0.00487	97.4	73.0-120	
Chloromethane	0.00500	0.00470	94.0	41.0-142	
1,2-Dibromoethane	0.00500	0.00532	106	80.0-122	
1,1-Dichloroethane	0.00500	0.00462	92.4	70.0-126	
1,2-Dichloroethane	0.00500	0.00472	94.4	70.0-128	
1,1-Dichloroethene	0.00500	0.00499	99.8	71.0-124	
cis-1,2-Dichloroethene	0.00500	0.00505	101	73.0-120	
trans-1,2-Dichloroethene	0.00500	0.00513	103	73.0-120	
1,2-Dichloropropane	0.00500	0.00492	98.4	77.0-125	
cis-1,3-Dichloropropene	0.00500	0.00486	97.2	80.0-123	

Laboratory Control Sample (LCS)

(LCS) R4055871-1 04/06/24 14:38

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
trans-1,3-Dichloropropene	0.00500	0.00495	99.0	78.0-124	
Ethylbenzene	0.00500	0.00552	110	79.0-123	
Isopropylbenzene	0.00500	0.00579	116	76.0-127	
p-Isopropyltoluene	0.00500	0.00490	98.0	76.0-125	
2-Butanone (MEK)	0.0250	0.0165	66.0	44.0-160	
2-Hexanone	0.0250	0.0256	102	67.0-149	
Methylene Chloride	0.00500	0.00472	94.4	67.0-120	
4-Methyl-2-pentanone (MIBK)	0.0250	0.0230	92.0	68.0-142	
Methyl tert-butyl ether	0.00500	0.00460	92.0	68.0-125	
Naphthalene	0.00500	0.00530	106	54.0-135	
n-Propylbenzene	0.00500	0.00503	101	77.0-124	
Styrene	0.00500	0.00513	103	73.0-130	
tert-Butyl alcohol	0.0250	0.0177	70.8	27.0-160	
1,1,1,2-Tetrachloroethane	0.00500	0.00548	110	75.0-125	
1,1,2,2-Tetrachloroethane	0.00500	0.00463	92.6	65.0-130	
Tetrachloroethene	0.00500	0.00557	111	72.0-132	
Toluene	0.00500	0.00555	111	79.0-120	
1,1,1-Trichloroethane	0.00500	0.00491	98.2	73.0-124	
1,1,2-Trichloroethane	0.00500	0.00485	97.0	80.0-120	
Trichloroethene	0.00500	0.00627	125	78.0-124	J4
1,2,4-Trimethylbenzene	0.00500	0.00455	91.0	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00438	87.6	76.0-122	
Vinyl chloride	0.00500	0.00564	113	67.0-131	
o-Xylene	0.00500	0.00508	102	80.0-122	
m&p-Xylene	0.0100	0.0104	104	80.0-122	
Xylenes, Total	0.0150	0.0155	103	79.0-123	
(S) Toluene-d8			*109*	*80.0-120*	
(S) 4-Bromofluorobenzene			*101*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*90.0*	*70.0-130*	

Method Blank (MB)

(MB) R4056045-3 04/07/24 01:42

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
2-Hexanone	U		0.000787	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
tert-Butyl alcohol	U		0.00406	0.00500
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100

Method Blank (MB)

(MB) R4056045-3 04/07/24 01:42

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
o-Xylene	U		0.000174	0.00100
m&p-Xylene	U		0.000430	0.00200
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*110*			*80.0-120*
(S) 4-Bromofluorobenzene	*98.7*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*88.7*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4056045-1 04/07/24 00:41 • (LCSD) R4056045-2 04/07/24 01:01

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.0250	0.0234	0.0213	93.6	85.2	19.0-160			9.40	27
Benzene	0.00500	0.00488	0.00490	97.6	98.0	70.0-123			0.409	20
Bromodichloromethane	0.00500	0.00415	0.00418	83.0	83.6	75.0-120			0.720	20
Bromoform	0.00500	0.00487	0.00504	97.4	101	68.0-132			3.43	20
Bromomethane	0.00500	0.00508	0.00473	102	94.6	10.0-160			7.14	25
n-Butylbenzene	0.00500	0.00462	0.00479	92.4	95.8	73.0-125			3.61	20
sec-Butylbenzene	0.00500	0.00456	0.00453	91.2	90.6	75.0-125			0.660	20
Carbon disulfide	0.00500	0.00359	0.00372	71.8	74.4	61.0-128			3.56	20
Carbon tetrachloride	0.00500	0.00462	0.00469	92.4	93.8	68.0-126			1.50	20
Chlorobenzene	0.00500	0.00564	0.00566	113	113	80.0-121			0.354	20
Chlorodibromomethane	0.00500	0.00527	0.00519	105	104	77.0-125			1.53	20
Chloroethane	0.00500	0.00430	0.00437	86.0	87.4	47.0-150			1.61	20
Chloroform	0.00500	0.00442	0.00458	88.4	91.6	73.0-120			3.56	20
Chloromethane	0.00500	0.00377	0.00391	75.4	78.2	41.0-142			3.65	20
1,2-Dibromoethane	0.00500	0.00526	0.00517	105	103	80.0-122			1.73	20
1,1-Dichloroethane	0.00500	0.00431	0.00445	86.2	89.0	70.0-126			3.20	20
1,2-Dichloroethane	0.00500	0.00445	0.00446	89.0	89.2	70.0-128			0.224	20
1,1-Dichloroethene	0.00500	0.00401	0.00416	80.2	83.2	71.0-124			3.67	20
cis-1,2-Dichloroethene	0.00500	0.00454	0.00446	90.8	89.2	73.0-120			1.78	20
trans-1,2-Dichloroethene	0.00500	0.00450	0.00438	90.0	87.6	73.0-120			2.70	20
1,2-Dichloropropane	0.00500	0.00433	0.00465	86.6	93.0	77.0-125			7.13	20
cis-1,3-Dichloropropene	0.00500	0.00461	0.00446	92.2	89.2	80.0-123			3.31	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4056045-1 04/07/24 00:41 • (LCSD) R4056045-2 04/07/24 01:01

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
trans-1,3-Dichloropropene	0.00500	0.00453	0.00472	90.6	94.4	78.0-124			4.11	20
Ethylbenzene	0.00500	0.00507	0.00512	101	102	79.0-123			0.981	20
Isopropylbenzene	0.00500	0.00536	0.00530	107	106	76.0-127			1.13	20
p-Isopropyltoluene	0.00500	0.00453	0.00453	90.6	90.6	76.0-125			0.000	20
2-Butanone (MEK)	0.0250	0.0230	0.0229	92.0	91.6	44.0-160			0.436	20
2-Hexanone	0.0250	0.0260	0.0250	104	100	67.0-149			3.92	20
Methylene Chloride	0.00500	0.00411	0.00427	82.2	85.4	67.0-120			3.82	20
4-Methyl-2-pentanone (MIBK)	0.0250	0.0224	0.0224	89.6	89.6	68.0-142			0.000	20
Methyl tert-butyl ether	0.00500	0.00427	0.00423	85.4	84.6	68.0-125			0.941	20
Naphthalene	0.00500	0.00509	0.00494	102	98.8	54.0-135			2.99	20
n-Propylbenzene	0.00500	0.00447	0.00447	89.4	89.4	77.0-124			0.000	20
Styrene	0.00500	0.00465	0.00485	93.0	97.0	73.0-130			4.21	20
tert-Butyl alcohol	0.0250	0.0285	0.0238	114	95.2	27.0-160			18.0	30
1,1,1,2-Tetrachloroethane	0.00500	0.00501	0.00514	100	103	75.0-125			2.56	20
1,1,2,2-Tetrachloroethane	0.00500	0.00449	0.00447	89.8	89.4	65.0-130			0.446	20
Tetrachloroethene	0.00500	0.00494	0.00505	98.8	101	72.0-132			2.20	20
Toluene	0.00500	0.00503	0.00510	101	102	79.0-120			1.38	20
1,1,1-Trichloroethane	0.00500	0.00439	0.00452	87.8	90.4	73.0-124			2.92	20
1,1,2-Trichloroethane	0.00500	0.00467	0.00494	93.4	98.8	80.0-120			5.62	20
Trichloroethene	0.00500	0.00571	0.00585	114	117	78.0-124			2.42	20
1,2,4-Trimethylbenzene	0.00500	0.00406	0.00400	81.2	80.0	76.0-121			1.49	20
1,3,5-Trimethylbenzene	0.00500	0.00411	0.00401	82.2	80.2	76.0-122			2.46	20
Vinyl chloride	0.00500	0.00440	0.00441	88.0	88.2	67.0-131			0.227	20
o-Xylene	0.00500	0.00480	0.00506	96.0	101	80.0-122			5.27	20
m&p-Xylene	0.0100	0.00953	0.00984	95.3	98.4	80.0-122			3.20	20
Xylenes, Total	0.0150	0.0143	0.0149	95.3	99.3	79.0-123			4.11	20
(S) Toluene-d8				*107*	*109*	*80.0-120*				
(S) 4-Bromofluorobenzene				*100*	*104*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*89.9*	*89.8*	*70.0-130*				

Method Blank (MB)

(MB) R4055072-2 04/06/24 23:05

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
2-Hexanone	U		0.000787	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
tert-Butyl alcohol	U		0.00406	0.00500
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100

Method Blank (MB)

(MB) R4055072-2 04/06/24 23:05

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
o-Xylene	U		0.000174	0.00100
m&p-Xylene	U		0.000430	0.00200
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*103*			*80.0-120*
(S) 4-Bromofluorobenzene	*93.0*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*130*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4055072-1 04/06/24 22:21

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.0250	0.0215	86.0	19.0-160	
Benzene	0.00500	0.00445	89.0	70.0-123	
Bromodichloromethane	0.00500	0.00571	114	75.0-120	
Bromoform	0.00500	0.00517	103	68.0-132	
Bromomethane	0.00500	0.00647	129	10.0-160	
n-Butylbenzene	0.00500	0.00401	80.2	73.0-125	
sec-Butylbenzene	0.00500	0.00437	87.4	75.0-125	
Carbon disulfide	0.00500	0.00406	81.2	61.0-128	
Carbon tetrachloride	0.00500	0.00628	126	68.0-126	
Chlorobenzene	0.00500	0.00493	98.6	80.0-121	
Chlorodibromomethane	0.00500	0.00499	99.8	77.0-125	
Chloroethane	0.00500	0.00546	109	47.0-150	
Chloroform	0.00500	0.00519	104	73.0-120	
Chloromethane	0.00500	0.00408	81.6	41.0-142	
1,2-Dibromoethane	0.00500	0.00467	93.4	80.0-122	
1,1-Dichloroethane	0.00500	0.00456	91.2	70.0-126	
1,2-Dichloroethane	0.00500	0.00654	131	70.0-128	J4
1,1-Dichloroethene	0.00500	0.00435	87.0	71.0-124	
cis-1,2-Dichloroethene	0.00500	0.00446	89.2	73.0-120	
trans-1,2-Dichloroethene	0.00500	0.00447	89.4	73.0-120	
1,2-Dichloropropane	0.00500	0.00418	83.6	77.0-125	
cis-1,3-Dichloropropene	0.00500	0.00524	105	80.0-123	

Laboratory Control Sample (LCS)

(LCS) R4055072-1 04/06/24 22:21

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
trans-1,3-Dichloropropene	0.00500	0.00496	99.2	78.0-124	
Ethylbenzene	0.00500	0.00455	91.0	79.0-123	
Isopropylbenzene	0.00500	0.00445	89.0	76.0-127	
p-Isopropyltoluene	0.00500	0.00481	96.2	76.0-125	
2-Butanone (MEK)	0.0250	0.0258	103	44.0-160	
2-Hexanone	0.0250	0.0213	85.2	67.0-149	
Methylene Chloride	0.00500	0.00406	81.2	67.0-120	
4-Methyl-2-pentanone (MIBK)	0.0250	0.0233	93.2	68.0-142	
Methyl tert-butyl ether	0.00500	0.00465	93.0	68.0-125	
Naphthalene	0.00500	0.00337	67.4	54.0-135	
n-Propylbenzene	0.00500	0.00424	84.8	77.0-124	
Styrene	0.00500	0.00462	92.4	73.0-130	
tert-Butyl alcohol	0.0250	0.0242	96.8	27.0-160	
1,1,1,2-Tetrachloroethane	0.00500	0.00552	110	75.0-125	
1,1,2,2-Tetrachloroethane	0.00500	0.00368	73.6	65.0-130	
Tetrachloroethene	0.00500	0.00460	92.0	72.0-132	
Toluene	0.00500	0.00429	85.8	79.0-120	
1,1,1-Trichloroethane	0.00500	0.00641	128	73.0-124	J4
1,1,2-Trichloroethane	0.00500	0.00450	90.0	80.0-120	
Trichloroethene	0.00500	0.00572	114	78.0-124	
1,2,4-Trimethylbenzene	0.00500	0.00452	90.4	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00471	94.2	76.0-122	
Vinyl chloride	0.00500	0.00498	99.6	67.0-131	
o-Xylene	0.00500	0.00431	86.2	80.0-122	
m&p-Xylene	0.0100	0.00915	91.5	80.0-122	
Xylenes, Total	0.0150	0.0135	90.0	79.0-123	
(S) Toluene-d8			*96.4*	*80.0-120*	
(S) 4-Bromofluorobenzene			*94.9*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*126*	*70.0-130*	

Method Blank (MB)

(MB) R4054960-2 04/06/24 22:35

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	0.000122	J	0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
2-Hexanone	U		0.000787	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
tert-Butyl alcohol	U		0.00406	0.00500
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100

Method Blank (MB)

(MB) R4054960-2 04/06/24 22:35

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
o-Xylene	U		0.000174	0.00100
m&p-Xylene	U		0.000430	0.00200
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*106*			*80.0-120*
(S) 4-Bromofluorobenzene	*106*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4054960-1 04/06/24 21:52

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.0250	0.0221	88.4	19.0-160	
Benzene	0.00500	0.00483	96.6	70.0-123	
Bromodichloromethane	0.00500	0.00532	106	75.0-120	
Bromoform	0.00500	0.00468	93.6	68.0-132	
Bromomethane	0.00500	0.00124	24.8	10.0-160	
n-Butylbenzene	0.00500	0.00374	74.8	73.0-125	
sec-Butylbenzene	0.00500	0.00428	85.6	75.0-125	
Carbon disulfide	0.00500	0.00496	99.2	61.0-128	
Carbon tetrachloride	0.00500	0.00557	111	68.0-126	
Chlorobenzene	0.00500	0.00499	99.8	80.0-121	
Chlorodibromomethane	0.00500	0.00494	98.8	77.0-125	
Chloroethane	0.00500	0.00506	101	47.0-150	
Chloroform	0.00500	0.00522	104	73.0-120	
Chloromethane	0.00500	0.00321	64.2	41.0-142	
1,2-Dibromoethane	0.00500	0.00455	91.0	80.0-122	
1,1-Dichloroethane	0.00500	0.00483	96.6	70.0-126	
1,2-Dichloroethane	0.00500	0.00519	104	70.0-128	
1,1-Dichloroethene	0.00500	0.00515	103	71.0-124	
cis-1,2-Dichloroethene	0.00500	0.00505	101	73.0-120	
trans-1,2-Dichloroethene	0.00500	0.00523	105	73.0-120	
1,2-Dichloropropane	0.00500	0.00432	86.4	77.0-125	
cis-1,3-Dichloropropene	0.00500	0.00422	84.4	80.0-123	

Laboratory Control Sample (LCS)

(LCS) R4054960-1 04/06/24 21:52

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
trans-1,3-Dichloropropene	0.00500	0.00419	83.8	78.0-124	
Ethylbenzene	0.00500	0.00488	97.6	79.0-123	
Isopropylbenzene	0.00500	0.00475	95.0	76.0-127	
p-Isopropyltoluene	0.00500	0.00445	89.0	76.0-125	
2-Butanone (MEK)	0.0250	0.0231	92.4	44.0-160	
2-Hexanone	0.0250	0.0203	81.2	67.0-149	
Methylene Chloride	0.00500	0.00477	95.4	67.0-120	
4-Methyl-2-pentanone (MIBK)	0.0250	0.0204	81.6	68.0-142	
Methyl tert-butyl ether	0.00500	0.00511	102	68.0-125	
Naphthalene	0.00500	0.00204	40.8	54.0-135	J4
n-Propylbenzene	0.00500	0.00418	83.6	77.0-124	
Styrene	0.00500	0.00407	81.4	73.0-130	
tert-Butyl alcohol	0.0250	0.0273	109	27.0-160	
1,1,1,2-Tetrachloroethane	0.00500	0.00528	106	75.0-125	
1,1,2,2-Tetrachloroethane	0.00500	0.00360	72.0	65.0-130	
Tetrachloroethene	0.00500	0.00556	111	72.0-132	
Toluene	0.00500	0.00461	92.2	79.0-120	
1,1,1-Trichloroethane	0.00500	0.00582	116	73.0-124	
1,1,2-Trichloroethane	0.00500	0.00476	95.2	80.0-120	
Trichloroethene	0.00500	0.00618	124	78.0-124	
1,2,4-Trimethylbenzene	0.00500	0.00420	84.0	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00440	88.0	76.0-122	
Vinyl chloride	0.00500	0.00419	83.8	67.0-131	
o-Xylene	0.00500	0.00457	91.4	80.0-122	
m&p-Xylene	0.0100	0.00977	97.7	80.0-122	
Xylenes, Total	0.0150	0.0143	95.3	79.0-123	
(S) Toluene-d8			*103*	*80.0-120*	
(S) 4-Bromofluorobenzene			*102*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*107*	*70.0-130*	

Method Blank (MB)

(MB) R4055204-2 04/06/24 23:44

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
2-Hexanone	U		0.000787	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
tert-Butyl alcohol	U		0.00406	0.00500
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100

Method Blank (MB)

(MB) R4055204-2 04/06/24 23:44

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
o-Xylene	U		0.000174	0.00100
m&p-Xylene	U		0.000430	0.00200
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*104*			*80.0-120*
(S) 4-Bromofluorobenzene	*93.1*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*96.2*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4055204-1 04/06/24 22:40

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.0250	0.0219	87.6	19.0-160	
Benzene	0.00500	0.00530	106	70.0-123	
Bromodichloromethane	0.00500	0.00512	102	75.0-120	
Bromoform	0.00500	0.00417	83.4	68.0-132	
Bromomethane	0.00500	0.00106	21.2	10.0-160	
n-Butylbenzene	0.00500	0.00388	77.6	73.0-125	
sec-Butylbenzene	0.00500	0.00465	93.0	75.0-125	
Carbon disulfide	0.00500	0.00408	81.6	61.0-128	
Carbon tetrachloride	0.00500	0.00432	86.4	68.0-126	
Chlorobenzene	0.00500	0.00517	103	80.0-121	
Chlorodibromomethane	0.00500	0.00492	98.4	77.0-125	
Chloroethane	0.00500	0.00607	121	47.0-150	
Chloroform	0.00500	0.00538	108	73.0-120	
Chloromethane	0.00500	0.00444	88.8	41.0-142	
1,2-Dibromoethane	0.00500	0.00496	99.2	80.0-122	
1,1-Dichloroethane	0.00500	0.00545	109	70.0-126	
1,2-Dichloroethane	0.00500	0.00526	105	70.0-128	
1,1-Dichloroethene	0.00500	0.00429	85.8	71.0-124	
cis-1,2-Dichloroethene	0.00500	0.00531	106	73.0-120	
trans-1,2-Dichloroethene	0.00500	0.00503	101	73.0-120	
1,2-Dichloropropane	0.00500	0.00532	106	77.0-125	
cis-1,3-Dichloropropene	0.00500	0.00472	94.4	80.0-123	

Laboratory Control Sample (LCS)

(LCS) R4055204-1 04/06/24 22:40

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
trans-1,3-Dichloropropene	0.00500	0.00468	93.6	78.0-124	
Ethylbenzene	0.00500	0.00506	101	79.0-123	
Isopropylbenzene	0.00500	0.00495	99.0	76.0-127	
p-Isopropyltoluene	0.00500	0.00440	88.0	76.0-125	
2-Butanone (MEK)	0.0250	0.0245	98.0	44.0-160	
2-Hexanone	0.0250	0.0243	97.2	67.0-149	
Methylene Chloride	0.00500	0.00525	105	67.0-120	
4-Methyl-2-pentanone (MIBK)	0.0250	0.0289	116	68.0-142	
Methyl tert-butyl ether	0.00500	0.00523	105	68.0-125	
Naphthalene	0.00500	0.00406	81.2	54.0-135	
n-Propylbenzene	0.00500	0.00496	99.2	77.0-124	
Styrene	0.00500	0.00457	91.4	73.0-130	
tert-Butyl alcohol	0.0250	0.0237	94.8	27.0-160	
1,1,1,2-Tetrachloroethane	0.00500	0.00493	98.6	75.0-125	
1,1,2,2-Tetrachloroethane	0.00500	0.00566	113	65.0-130	
Tetrachloroethene	0.00500	0.00462	92.4	72.0-132	
Toluene	0.00500	0.00531	106	79.0-120	
1,1,1-Trichloroethane	0.00500	0.00473	94.6	73.0-124	
1,1,2-Trichloroethane	0.00500	0.00535	107	80.0-120	
Trichloroethene	0.00500	0.00478	95.6	78.0-124	
1,2,4-Trimethylbenzene	0.00500	0.00474	94.8	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00512	102	76.0-122	
Vinyl chloride	0.00500	0.00505	101	67.0-131	
o-Xylene	0.00500	0.00508	102	80.0-122	
m&p-Xylene	0.0100	0.0102	102	80.0-122	
Xylenes, Total	0.0150	0.0153	102	79.0-123	
(S) Toluene-d8			*102*	*80.0-120*	
(S) 4-Bromofluorobenzene			*93.3*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*95.7*	*70.0-130*	

Method Blank (MB)

(MB) R4056177-3 04/09/24 00:44

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
2-Hexanone	U		0.000787	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
tert-Butyl alcohol	U		0.00406	0.00500
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100

Method Blank (MB)

(MB) R4056177-3 04/09/24 00:44

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
o-Xylene	U		0.000174	0.00100
m&p-Xylene	U		0.000430	0.00200
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*96.0*			*80.0-120*
(S) 4-Bromofluorobenzene	*92.0*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*119*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4056177-1 04/08/24 23:38 • (LCSD) R4056177-2 04/09/24 00:00

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.0250	0.0225	0.0278	90.0	111	19.0-160			21.1	27
Benzene	0.00500	0.00507	0.00488	101	97.6	70.0-123			3.82	20
Bromodichloromethane	0.00500	0.00609	0.00605	122	121	75.0-120	J4	J4	0.659	20
Bromoform	0.00500	0.00553	0.00569	111	114	68.0-132			2.85	20
Bromomethane	0.00500	0.00692	0.00680	138	136	10.0-160			1.75	25
n-Butylbenzene	0.00500	0.00380	0.00446	76.0	89.2	73.0-125			16.0	20
sec-Butylbenzene	0.00500	0.00487	0.00454	97.4	90.8	75.0-125			7.01	20
Carbon disulfide	0.00500	0.00497	0.00529	99.4	106	61.0-128			6.24	20
Carbon tetrachloride	0.00500	0.00636	0.00554	127	111	68.0-126	J4		13.8	20
Chlorobenzene	0.00500	0.00468	0.00493	93.6	98.6	80.0-121			5.20	20
Chlorodibromomethane	0.00500	0.00495	0.00501	99.0	100	77.0-125			1.20	20
Chloroethane	0.00500	0.00752	0.00710	150	142	47.0-150			5.75	20
Chloroform	0.00500	0.00588	0.00540	118	108	73.0-120			8.51	20
Chloromethane	0.00500	0.00449	0.00492	89.8	98.4	41.0-142			9.14	20
1,2-Dibromoethane	0.00500	0.00479	0.00477	95.8	95.4	80.0-122			0.418	20
1,1-Dichloroethane	0.00500	0.00527	0.00481	105	96.2	70.0-126			9.13	20
1,2-Dichloroethane	0.00500	0.00618	0.00621	124	124	70.0-128			0.484	20
1,1-Dichloroethene	0.00500	0.00495	0.00575	99.0	115	71.0-124			15.0	20
cis-1,2-Dichloroethene	0.00500	0.00486	0.00475	97.2	95.0	73.0-120			2.29	20
trans-1,2-Dichloroethene	0.00500	0.00488	0.00493	97.6	98.6	73.0-120			1.02	20
1,2-Dichloropropane	0.00500	0.00471	0.00498	94.2	99.6	77.0-125			5.57	20
cis-1,3-Dichloropropene	0.00500	0.00578	0.00563	116	113	80.0-123			2.63	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4056177-1 04/08/24 23:38 • (LCSD) R4056177-2 04/09/24 00:00

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
trans-1,3-Dichloropropene	0.00500	0.00537	0.00563	107	113	78.0-124			4.73	20
Ethylbenzene	0.00500	0.00447	0.00466	89.4	93.2	79.0-123			4.16	20
Isopropylbenzene	0.00500	0.00440	0.00441	88.0	88.2	76.0-127			0.227	20
p-Isopropyltoluene	0.00500	0.00503	0.00504	101	101	76.0-125			0.199	20
2-Butanone (MEK)	0.0250	0.0285	0.0305	114	122	44.0-160			6.78	20
2-Hexanone	0.0250	0.0239	0.0245	95.6	98.0	67.0-149			2.48	20
Methylene Chloride	0.00500	0.00506	0.00471	101	94.2	67.0-120			7.16	20
4-Methyl-2-pentanone (MIBK)	0.0250	0.0253	0.0272	101	109	68.0-142			7.24	20
Methyl tert-butyl ether	0.00500	0.00502	0.00520	100	104	68.0-125			3.52	20
Naphthalene	0.00500	0.00332	0.00377	66.4	75.4	54.0-135			12.7	20
n-Propylbenzene	0.00500	0.00489	0.00473	97.8	94.6	77.0-124			3.33	20
Styrene	0.00500	0.00485	0.00506	97.0	101	73.0-130			4.24	20
tert-Butyl alcohol	0.0250	0.0196	0.0281	78.4	112	27.0-160		J3	35.6	30
1,1,1,2-Tetrachloroethane	0.00500	0.00508	0.00482	102	96.4	75.0-125			5.25	20
1,1,2,2-Tetrachloroethane	0.00500	0.00480	0.00544	96.0	109	65.0-130			12.5	20
Tetrachloroethene	0.00500	0.00576	0.00535	115	107	72.0-132			7.38	20
Toluene	0.00500	0.00497	0.00484	99.4	96.8	79.0-120			2.65	20
1,1,1-Trichloroethane	0.00500	0.00600	0.00541	120	108	73.0-124			10.3	20
1,1,2-Trichloroethane	0.00500	0.00451	0.00495	90.2	99.0	80.0-120			9.30	20
Trichloroethene	0.00500	0.00547	0.00532	109	106	78.0-124			2.78	20
1,2,4-Trimethylbenzene	0.00500	0.00481	0.00464	96.2	92.8	76.0-121			3.60	20
1,3,5-Trimethylbenzene	0.00500	0.00479	0.00474	95.8	94.8	76.0-122			1.05	20
Vinyl chloride	0.00500	0.00583	0.00564	117	113	67.0-131			3.31	20
o-Xylene	0.00500	0.00462	0.00413	92.4	82.6	80.0-122			11.2	20
m&p-Xylene	0.0100	0.0100	0.00911	100	91.1	80.0-122			9.31	20
Xylenes, Total	0.0150	0.0146	0.0132	97.3	88.0	79.0-123			10.1	20
(S) Toluene-d8				*92.1*	*91.8*	*80.0-120*				
(S) 4-Bromofluorobenzene				*89.8*	*91.1*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*111*	*112*	*70.0-130*				

Method Blank (MB)

(MB) R4056500-2 04/10/24 23:32

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
2-Hexanone	U		0.000787	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
tert-Butyl alcohol	U		0.00406	0.00500
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100

Method Blank (MB)

(MB) R4056500-2 04/10/24 23:32

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
o-Xylene	U		0.000174	0.00100
m&p-Xylene	U		0.000430	0.00200
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*107*			*80.0-120*
(S) 4-Bromofluorobenzene	*96.5*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*96.0*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4056500-1 04/10/24 22:28

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.0250	0.0261	104	19.0-160	
Benzene	0.00500	0.00471	94.2	70.0-123	
Bromodichloromethane	0.00500	0.00469	93.8	75.0-120	
Bromoform	0.00500	0.00465	93.0	68.0-132	
Bromomethane	0.00500	0.00397	79.4	10.0-160	
n-Butylbenzene	0.00500	0.00514	103	73.0-125	
sec-Butylbenzene	0.00500	0.00499	99.8	75.0-125	
Carbon disulfide	0.00500	0.00387	77.4	61.0-128	
Carbon tetrachloride	0.00500	0.00447	89.4	68.0-126	
Chlorobenzene	0.00500	0.00504	101	80.0-121	
Chlorodibromomethane	0.00500	0.00462	92.4	77.0-125	
Chloroethane	0.00500	0.00460	92.0	47.0-150	
Chloroform	0.00500	0.00489	97.8	73.0-120	
Chloromethane	0.00500	0.00420	84.0	41.0-142	
1,2-Dibromoethane	0.00500	0.00515	103	80.0-122	
1,1-Dichloroethane	0.00500	0.00470	94.0	70.0-126	
1,2-Dichloroethane	0.00500	0.00446	89.2	70.0-128	
1,1-Dichloroethene	0.00500	0.00436	87.2	71.0-124	
cis-1,2-Dichloroethene	0.00500	0.00466	93.2	73.0-120	
trans-1,2-Dichloroethene	0.00500	0.00464	92.8	73.0-120	
1,2-Dichloropropane	0.00500	0.00496	99.2	77.0-125	
cis-1,3-Dichloropropene	0.00500	0.00452	90.4	80.0-123	

Laboratory Control Sample (LCS)

(LCS) R4056500-1 04/10/24 22:28

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
trans-1,3-Dichloropropene	0.00500	0.00468	93.6	78.0-124	
Ethylbenzene	0.00500	0.00506	101	79.0-123	
Isopropylbenzene	0.00500	0.00514	103	76.0-127	
p-Isopropyltoluene	0.00500	0.00486	97.2	76.0-125	
2-Butanone (MEK)	0.0250	0.0230	92.0	44.0-160	
2-Hexanone	0.0250	0.0250	100	67.0-149	
Methylene Chloride	0.00500	0.00483	96.6	67.0-120	
4-Methyl-2-pentanone (MIBK)	0.0250	0.0257	103	68.0-142	
Methyl tert-butyl ether	0.00500	0.00496	99.2	68.0-125	
Naphthalene	0.00500	0.00488	97.6	54.0-135	
n-Propylbenzene	0.00500	0.00478	95.6	77.0-124	
Styrene	0.00500	0.00411	82.2	73.0-130	
tert-Butyl alcohol	0.0250	0.0235	94.0	27.0-160	
1,1,1,2-Tetrachloroethane	0.00500	0.00495	99.0	75.0-125	
1,1,2,2-Tetrachloroethane	0.00500	0.00481	96.2	65.0-130	
Tetrachloroethene	0.00500	0.00512	102	72.0-132	
Toluene	0.00500	0.00504	101	79.0-120	
1,1,1-Trichloroethane	0.00500	0.00454	90.8	73.0-124	
1,1,2-Trichloroethane	0.00500	0.00524	105	80.0-120	
Trichloroethene	0.00500	0.00498	99.6	78.0-124	
1,2,4-Trimethylbenzene	0.00500	0.00475	95.0	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00490	98.0	76.0-122	
Vinyl chloride	0.00500	0.00439	87.8	67.0-131	
o-Xylene	0.00500	0.00514	103	80.0-122	
m&p-Xylene	0.0100	0.0106	106	80.0-122	
Xylenes, Total	0.0150	0.0157	105	79.0-123	
(S) Toluene-d8			*107*	*80.0-120*	
(S) 4-Bromofluorobenzene			*97.9*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*96.6*	*70.0-130*	

Method Blank (MB)

(MB) R4057713-3 04/12/24 09:05

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Methyl tert-butyl ether	U		0.000101	0.00100
(S) Toluene-d8	*103*			*80.0-120*
(S) 4-Bromofluorobenzene	*83.3*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*119*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4057713-1 04/12/24 08:07 • (LCSD) R4057713-2 04/12/24 08:26

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Methyl tert-butyl ether	0.00500	0.00431	0.00439	86.2	87.8	68.0-125			1.84	20
(S) Toluene-d8				*104*	*101*	*80.0-120*				
(S) 4-Bromofluorobenzene				*88.6*	*85.9*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*119*	*112*	*70.0-130*				

Method Blank (MB)

(MB) R4056473-1 04/11/24 00:36

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Ethylene Dibromide	U		0.00000536	0.0000200

L1722270-22 Original Sample (OS) • Duplicate (DUP)

(OS) L1722270-22 04/11/24 01:24 • (DUP) R4056473-3 04/11/24 01:12

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ethylene Dibromide	U	U	1.01	0.000		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4056473-4 04/11/24 03:22 • (LCSD) R4056473-5 04/11/24 05:58

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylene Dibromide	0.000250	0.000218	0.000223	87.2	89.2	60.0-140			2.27	20

L1722270-23 Original Sample (OS) • Matrix Spike (MS)

(OS) L1722270-23 04/11/24 01:00 • (MS) R4056473-2 04/11/24 00:49

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Ethylene Dibromide	0.000102	U	0.000107	105	1.02	64.0-159	

Method Blank (MB)

(MB) R4056319-1 04/10/24 13:53

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0371	0.150
(S) o-Terphenyl	*59.0*			*52.0-156*

Laboratory Control Sample (LCS)

(LCS) R4056319-2 04/10/24 14:13

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) High Fraction	1.50	1.19	79.3	50.0-150	
(S) o-Terphenyl			*65.5*	*52.0-156*	

Method Blank (MB)

(MB) R4055899-1 04/10/24 06:13

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	0.0443	J	0.0247	0.100
(S) o-Terphenyl	*75.0*			*52.0-156*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4055899-2 04/10/24 06:33 • (LCSD) R4055899-3 04/10/24 06:53

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	2.11	1.15	141	76.7	50.0-150		J3	58.9	20
(S) o-Terphenyl				*125*	*65.5*	*52.0-156*				

Received by OCD: 6/12/2025 1:19:15 PM

Method Blank (MB)

(MB) R4056419-1 04/11/24 07:30

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
(S) o-Terphenyl	*67.0*			*52.0-156*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4056419-2 04/11/24 07:50 • (LCSD) R4056419-3 04/11/24 08:10

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.33	1.33	88.7	88.7	50.0-150			0.000	20
(S) o-Terphenyl				*74.0*	*80.5*	*52.0-156*				

Released to Imaging: 6/17/2025 4:41:11 PM

Method Blank (MB)

(MB) R4057305-1 04/12/24 09:25

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
(S) o-Terphenyl	*78.5*			*52.0-156*

Laboratory Control Sample (LCS)

(LCS) R4057305-2 04/12/24 09:45

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) High Fraction	1.50	1.59	106	50.0-150	
(S) o-Terphenyl			*82.0*	*52.0-156*	

L1722045-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1722045-01 04/12/24 10:06 • (MS) R4057305-3 04/12/24 10:26 • (MSD) R4057305-4 04/12/24 10:46

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.43	0.101	1.61	4.07	106	278	1	50.0-150		J3 J5	86.6	20
(S) o-Terphenyl					*83.2*	*87.4*		*52.0-156*				

Received by OCD: 6/12/2025 1:19:15 PM

Method Blank (MB)

(MB) R4057198-1 04/12/24 09:42

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
(S) o-Terphenyl	*65.5*			*52.0-156*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4057198-2 04/12/24 10:02 • (LCSD) R4057198-3 04/12/24 10:23

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.46	1.51	97.3	101	50.0-150			3.37	20
(S) o-Terphenyl				*82.0*	*80.5*	*52.0-156*				

Released to Imaging: 6/17/2025 4:41:11 PM

Method Blank (MB)

(MB) R4057613-1 04/14/24 16:43

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
(S) o-Terphenyl	*99.5*			*52.0-156*

Laboratory Control Sample (LCS)

(LCS) R4057613-2 04/14/24 17:03

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) High Fraction	1.50	1.71	114	50.0-150	
(S) o-Terphenyl			*96.5*	*52.0-156*	

L1722760-23 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1722760-23 04/14/24 21:28 • (MS) R4057613-3 04/14/24 21:48 • (MSD) R4057613-4 04/14/24 22:09

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.43	0.0453	1.70	1.61	116	109	1	50.0-150			5.44	20
(S) o-Terphenyl					*94.2*	*88.4*		*52.0-156*				

Method Blank (MB)

(MB) R4057433-1 04/13/24 15:26

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
(S) o-Terphenyl	*79.0*			*52.0-156*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4057433-2 04/13/24 15:46 • (LCSD) R4057433-3 04/13/24 16:06

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.66	1.66	111	111	50.0-150			0.000	20
(S) o-Terphenyl				*81.0*	*81.5*	*52.0-156*				

Method Blank (MB)

(MB) R4057633-1 04/14/24 08:47

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
(S) o-Terphenyl	*78.0*			*52.0-156*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4057633-2 04/14/24 09:07 • (LCSD) R4057633-3 04/14/24 09:27

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.35	1.57	90.0	105	50.0-150			15.1	20
(S) o-Terphenyl				*84.5*	*89.0*	*52.0-156*				

Method Blank (MB)

(MB) R4058931-1 04/17/24 01:49

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	0.0467	J	0.0247	0.100
(S) o-Terphenyl	*82.0*			*52.0-156*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4058931-2 04/17/24 02:10 • (LCSD) R4058931-3 04/17/24 02:31

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	2.24	1.39	149	92.7	50.0-150		J3	46.8	20
(S) o-Terphenyl				*129*	*89.0*	*52.0-156*				

Received by OCD: 6/12/2025 1:19:15 PM

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C-mod L1722286-36

Method Blank (MB)

(MB) R4055053-3 04/06/24 14:56

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,4-Dioxane	0.000232	J	0.0000447	0.000400
(S) Nitrobenzene-d5	*78.2*			*10.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4055053-1 04/06/24 14:18 • (LCSD) R4055053-2 04/06/24 14:37

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,4-Dioxane	0.0500	0.0515	0.0528	103	106	73.0-146			2.49	20
(S) Nitrobenzene-d5				*101*	*86.3*	*10.0-120*				

Released to Imaging: 6/17/2025 4:41:11 PM

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

B	The same analyte is found in the associated blank.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.

Qualifier	Description
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.
Q	Sample was prepared and/or analyzed past holding time as defined in the method. Concentrations should be considered minimum values.
V	The sample concentration is too high to evaluate accurate spike recoveries.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: Julie Speer
Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2024
City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:
Client Project #
Lab Project # TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team
Site/Facility ID # (Navajo - Artesia)
P.O. #

Collected by (signature):
Immediately Packed on ice N ___ Y ✓
Rush? (Lab MUST Be Notified) ___ Same Day ___ Next Day ___ Two Day ___ Three Day ___ Five Day ___ 5 Day (Rad Only) ___ 10 Day (Rad Only)
Date Results Needed
Quote #

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
MW-6A	Grab	GW		4/2/24	1405	11	X	X	X	X	X	X						
MW-85	Grab	GW				11	X	X	X	X	X	X					LNAPL	
MW-86	Grab	GW				12	X	X	X		X	X	X	X			LNAPL	
MW-120	Grab	GW		4/2/24	825	11	X	X	X	X	X	X						
MW-121	Grab	GW		4/2/24	910	11	X	X	X	X	X	X						
MW-84	Grab	GW		4/3/24	1335	11	X	X	X	X	X	X						-01
MW-122	Grab	GW		4/2/24	955	11	X	X	X	X	X	X						
MW-81	Grab	GW		4/3/24	1035	11	X	X	X	X	X	X						-02
MW-80	Grab	GW		4/3/24	1115	11	X	X	X	X	X	X						-03
MW-79	Grab	GW		4/3/24	1155	11	X	X	X	X	X	X						-04

Chain of Custody Page 1 of 25

Pace Analytical® National Center for Testing & Innovation
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# A189

Acctnum: TRCATX
Template: T248756
Prelogin: P1062037
TSR: 526
PB:
Shipped Via:

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via: __ UPS ✓ FedEx __ Courier __ _____
Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR	If preservation required by Login: Date/Time
Scott Ude	4/3/24	1900		8	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 765	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/4/24 Time: 9:00	Hold: Condition: NCF / OK

Chain of Custody Page 1 of 25

Pace Analytical® National Center for Testing & Innovation

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Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# A189 LT22458

Acctnum: TRCATX
Template: T248756
Prelogin: P1062037
TSR: 526
PB:
Shipped Via:

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: Julie Speer

Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2024

City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:

Client Project #

Lab Project # TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team

Site/Facility ID # (Navajo - Artesia)

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
MW-6A	Grab	GW		4/2/24	1405	11	X	X	X	X	X	X						
MW-85	Grab	GW				11	X	X	X	X	X	X					LNAPL	
MW-86	Grab	GW				12	X	X	X		X	X	X	X			LNAPL	
MW-120	Grab	GW		4/2/24	825	11	X	X	X	X	X	X						
MW-121	Grab	GW		4/2/24	910	11	X	X	X	X	X	X						
MW-84	Grab	GW		4/3/24	1335	11	X	X	X	X	X	X						-01
MW-122	Grab	GW		4/2/24	955	11	X	X	X	X	X	X						
MW-81	Grab	GW		4/3/24	1035	11	X	X	X	X	X	X						-02
MW-80	Grab	GW		4/3/24	1115	11	X	X	X	X	X	X						-03
MW-79	Grab	GW		4/3/24	1155	11	X	X	X	X	X	X						-04

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier __ _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP __Y __N
COC Signed/Accurate: __Y __N
Bottles arrive intact: __Y __N
Correct bottles used: __Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR	If preservation required by Login: Date/Time
Scott Ude	4/3/24	1900		8	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 765	
Relinished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Sarah C. Borchfield	Date: 4/4/24 Time: 9:30	Hold: Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: Julie Speer
Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2024
City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:
Client Project #
Lab Project # TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team
Site/Facility ID # (Navajo - Artesia)
P.O. #

Collected by (signature):
Immediately Packed on Ice N ___ Y ✓
Rush? (Lab MUST Be Notified) ___ Same Day ___ Five Day ___ Next Day ___ 5 Day (Rad Only) ___ Two Day ___ 10 Day (Rad Only) ___ Three Day
Date Results Needed
Quote #

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 2 of 25

Pace Analytical® National Center for Testing & Innovation
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L1722586
Table #
Acctnum: TRCATX
Template: T248756
Prelogin: P1062037
TSR: 526
PB:
Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
MW-82	Grab	GW		4/3/24	1250	11	X	X	X	X	X	X						-05
MW-74	Grab	GW		4/3/24	940	11	X	X	X	X	X	X						-06
MW-73	Grab	GW		4/3/24	855	11	X	X	X	X	X	X						-07
MW-2A	Grab	GW		4/2/24	1030	11	X	X	X	X	X	X						
MW-72	Grab	GW		4/2/24	1130	11	X	X	X	X	X	X						
OCD-6	Grab	GW		4/2/24	1215	11	X	X	X	X	X	X						
OCD-7AR	Grab	GW		4/2/24	1300	11	X	X	X	X	X	X						
RW-#15C	Grab	GW				9	X	X		X	X	X					LNAPL	
MW-48	Grab	GW				11	X	X	X	X	X	X					LNAPL	
MW-130	Grab	GW		4/3/24	1025	11	X	X	X	X	X	X						-08

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:

pH ___ Temp ___
Flow ___ Other ___

Samples returned via: __ UPS ✓ FedEx __ Courier __ ___
Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: N N
Preservation Correct/Checked: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
Scott Ude	4/3/24	1900			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 765	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Sarah Bradfield	Date: 4/4/24 Time: 9:00	Hold: Condition: NCF / OK

Chain of Custody Page 3 of 25

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# LM22586

Table #

Acctnum: TRCATX

Template: T248756

Prelogin: P1062037

TSR: 526

PB:

Shipped Via:

RC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: Julie Speer

Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2024

City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:

Client Project #

Lab Project # TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team

Site/Facility ID # (Navajo - Artesia)

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
KWB-4	Grab	GW				9	X	X		X	X	X					LNAPL	
RW-19	Grab	GW		4/3/24	805	9	X	X		X	X	X					(LNAPL SAMPLE WAS COLLECTED)	-09
EB-EP-01	Grab	GW		4/3/24	955	11	X	X	X	X	X	X						-10
EB-EP-01 04	Grab	GW		4/3/24	1210	11	X	X	X	X	X	X						-11
TRIP BLANK-EP-01	Grab	GW		4/3/24	~	1	X											-12

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier __ _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR	If preservation required by Login: Date/Time
Scott Ude	4/3/24	1900		8	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 765	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Laura C Bruchfield	Date: 4/4/24 Time: 9:W	Hold: Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: Julie Speer
Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2024
City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:
Client Project #
Lab Project # TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team
Site/Facility ID # (Navajo - Artesia)
P.O. #

Collected by (signature):
Immediately Packed on Ice N ___ Y ✓
Rush? (Lab MUST Be Notified) ___ Same Day ___ Five Day ___ Next Day ___ 5 Day (Rad Only) ___ Two Day ___ 10 Day (Rad Only) ___ Three Day
Date Results Needed
Quote #

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH			Remarks	Sample # (lab only)
MW-76	Grab	GW		4/2/24	830	11	X	X	X	X	X	X						
MW-77	Grab	GW		4/2/24	910	11	X	X	X	X	X	X						
MW-78	Grab	GW		4/2/24	950	11	X	X	X	X	X	X						
MW-75	Grab	GW		4/2/24	1035	11	X	X	X	X	X	X						
MW-83	Grab	GW		4/2/24	1120	11	X	X	X	X	X	X						
MW-3	Grab	GW		4/2/24	1205	11	X	X	X	X	X	X						
MW-88	Grab	GW		4/2/24	1250	11	X	X	X	X	X	X						
MW-22A	Grab	GW		4/2/24	1335	11	X	X	X	X	X	X						
MW-10	Grab	GW		4/3/24	755	11	X	X	X	X	X	X						-13
MW-123	Grab	GW		4/3/24	840	11	X	X	X	X	X	X						-14

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via: __ UPS ✓ FedEx __ Courier _____
Tracking #

Relinquished by : (Signature) Scott Ude | Date: 4/3/24 | Time: 1900 | Received by: (Signature)
Trip Blank Received: Yes / No HCL / MeoH TBR
Relinquished by : (Signature) | Date: | Time: | Received by: (Signature)
Temp: °C Bottles Received: 765
If preservation required by Login: Date/Time
Relinquished by : (Signature) | Date: | Time: | Received for lab by: (Signature) David Bundfield | Date: 4/4/24 | Time: 9:00
Hold: | Condition: NCF / OK

Chain of Custody Page 4 of 2

Pace Analytical® National Center for Testing & Innovation
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# LM22286
Table #
Acctnum: TRCATX
Template: T248757
Prelogin: P1062036
TSR: 526
PB:
Shipped Via:

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: Julie Speer

Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2024

City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:

Client Project #

Lab Project # TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team

Site/Facility ID # (Navajo - Artesia)

P.O. #

Collected by (signature):

Quote #

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Date Results Needed

Immediately Packed on Ice N ___ Y ✓

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH				Remarks	Sample # (lab only)
MW-4A	Grab	GW		4/3/24	925	11	X	X	X	X	X	X							-15
MW-5A	Grab	GW		4/3/24	1610	11	X	X	X	X	X	X							-16
MW-7A	Grab	GW		4/3/24	1135	11	X	X	X	X	X	X							-17
OCD-8A	Grab	GW		4/3/24	1220	12	X	X	X		X	X	X	X					-18
DUP-EP-01	Grab	GW		4/3/24	1020	11	X	X	X	X	X	X							-19
~~DUP-EP-02~~	~~Grab~~	~~GW~~		~~4/2/24~~	~~1130~~	~~11~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~							
~~DUP-EP-03~~	~~Grab~~	~~GW~~		~~4/2/24~~	~~930~~	~~11~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~							
EB-EP-01 03	Grab	GW		4/3/24	1030	11	X	X	X	X	X	X							-20
TRIP BLANK-EP-02	Grab	GW		4/3/24	—	1	X												-21

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via: __ UPS ✓ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR	If preservation required by Login: Date/Time
Scott Ude	4/3/24	1980		8	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 765	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Carol Burchfield	Date: 4/4/24 Time: 9:00	Hold: Condition: NCF / OK

Chain of Custody Page 5 of 2

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L1722860

Table #

Acctnum: TRCATX
Template: T248757
Prelogin: P1062036
TSR: 526
PB:
Shipped Via:

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: Julie Speer
Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2024
City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:
Client Project #
Lab Project #: TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team
Site/Facility ID #: (Navajo - Artesia)
P.O. #

Collected by (signature):
Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day
Date Results Needed
Quote #

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 6 of 25

Pace Analytical® National Center for Testing & Innovation
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L1722586
Table #
Acctnum: TRCATX
Template: T248761
Prelogin: P1062038
TSR: 526
PB:
Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH			Remarks	Sample # (lab only)
~~MW-25~~	~~Grab~~	~~GW~~		~~4/2/24~~	~~1230~~	~~9~~	~~X~~	~~X~~		~~X~~	~~X~~	~~X~~						
~~MW-1R~~	~~Grab~~	~~GW~~		~~4/2/24~~	~~1315~~	~~9~~	~~X~~	~~X~~		~~X~~	~~X~~	~~X~~						
~~MW-15~~	~~Grab~~	~~GW~~		~~4/2/24~~	~~1400~~	~~11~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~						
OCD-1R	Grab	GW		4/3/24	1205	11	X	X	X	X	X	X						-22
OCD-2A	Grab	GW		4/3/24	1120	11	X	X	X	X	X	X						-23
OCD-3	Grab	GW		4/3/24	950	11	X	X	X	X	X	X						-24
OCD-4	Grab	GW		4/3/24	905	11	X	X	X	X	X	X						-25
MW-11A	Grab	GW		4/3/24	1035	11	X	X	X	X	X	X						-26
OCD-5	Grab	GW		4/3/24	820	11	X	X	X	X	X	X						-27
~~MW-87~~	~~Grab~~	~~GW~~		~~4/2/24~~	~~830~~	~~11~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~						

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR	If preservation required by Login: Date/Time
Scott Ude	4/3/24	1900		8	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 765	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/4/24 Time: 0900	Hold: Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: Julie Speer

Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2024

City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:

Client Project #

Lab Project # TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team

Site/Facility ID # (Navajo - Artesia)

P.O. #

Collected by (signature):
Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH			Remarks	Sample # (lab only)
MW-18A	Grab	GW		~~4/2/24~~	~~915~~	10	X	X			X	X	X	X				
MW-70	Grab	GW		~~4/2/24~~	~~1020~~	11	X	X	X	X	X	X						
MW-124	Grab	GW		~~4/2/24~~	~~1110~~	11	X	X	X	X	X	X						
MW-52	Grab	GW		4/3/24	825	12	X	X	X		X	X	X	X				-28
MW-109	Grab	GW		4/3/24	905	11	X	X	X	X	X	X						-29
MW-110	Grab	GW		4/3/24	945	11	X	X	X	X	X	X						-30
MW-140	Grab	GW		4/3/24	1400	~~3~~ 4					X	X	X				No Diss. 9	50!! -31
MW-141	Grab	GW		4/3/24	1315	~~3~~ 4					X	X	X				No Diss. 9	50!! -32
EB-EP-02	Grab	GW		~~4/2/24~~	~~1430~~	11	X	X	X	X	X	X						
TRIP BLANK-EP-03	Grab	GW		4/3/24	—	1	X											-33

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR
Scott Ude	4/3/24	1900		8
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 765
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/4/24 Time: 9:10

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Chain of Custody Page 7 of 25

Pace Analytical
National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# LT222486

Table #

Acctnum: TRCATX
Template: T248761
Prelogin: P1062038
TSR: 526
PB:

Shipped Via:

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: Julie Speer
Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2024
City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:
Client Project #
Lab Project #: TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team
Site/Facility ID #: (Navajo - Artesia)
P.O. #

Collected by (signature):
Immediately Packed on Ice N ___ Y ✓
Rush? (Lab MUST Be Notified) ___ Same Day ___ Next Day ___ Two Day ___ Three Day ___ Five Day ___ 5 Day (Rad Only) ___ 10 Day (Rad Only)
Quote #
Date Results Needed

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 1 of 25

Pace Analytical® National Center for Testing & Innovation
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# A189
LT000480

Acctnum: TRCATX
Template: T248756
Prelogin: P1062037
TSR: 526
PB:
Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
MW-6A	Grab	GW		4/2/24	1405	11	X	X	X	X	X	X						
MW-85	Grab	GW				11	X	X	X	X	X	X					LNAPL	
MW-86	Grab	GW				12	X	X	X		X	X	X	X			LNAPL	
MW-120	Grab	GW		4/2/24	825	11	X	X	X	X	X	X						
MW-121	Grab	GW		4/2/24	910	11	X	X	X	X	X	X						
MW-84	Grab	GW		4/3/24	1335	11	X	X	X	X	X	X						-01
MW-122	Grab	GW		4/2/24	955	11	X	X	X	X	X	X						
MW-81	Grab	GW		4/3/24	1035	11	X	X	X	X	X	X						-02
MW-80	Grab	GW		4/3/24	1115	11	X	X	X	X	X	X						-03
MW-79	Grab	GW		4/3/24	1155	11	X	X	X	X	X	X						-04

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via: __ UPS ✓ FedEx __ Courier __ _____
Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR	If preservation required by Login: Date/Time
Scott Ude	4/3/24	1900		8	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 765	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/4/24 Time: 9:00	Hold: Condition: NCF / OK

Chain of Custody Page 2 of 25

Pace Analytical® National Center for Testing & Innovation
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L1722186

Table #

Acctnum: TRCATX

Template: T248756

Prelogin: P1062037

TSR: 526

PB:

Shipped Via:

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: Julie Speer

Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2024

City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:

Client Project #

Lab Project # TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team

Site/Facility ID # (Navajo - Artesia)

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (Lab only)
MW-82	Grab	GW		4/3/24	1250	11	X	X	X	X	X	X						-05
MW-74	Grab	GW		4/3/24	940	11	X	X	X	X	X	X						-06
MW-73	Grab	GW		4/3/24	855	11	X	X	X	X	X	X						-07
~~MW-2A~~	~~Grab~~	~~GW~~		~~4/2/24~~	~~1030~~	~~11~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~						
~~MW-72~~	~~Grab~~	~~GW~~		~~4/2/24~~	~~1130~~	~~11~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~						
~~OCD-6~~	~~Grab~~	~~GW~~		~~4/2/24~~	~~1215~~	~~11~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~						
~~OCD-7AR~~	~~Grab~~	~~GW~~		~~4/2/24~~	~~1300~~	~~11~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~						
~~RW-#15C~~	~~Grab~~	~~GW~~				~~9~~	~~X~~	~~X~~		~~X~~	~~X~~	~~X~~				LNAPL		
~~MW-48~~	~~Grab~~	~~GW~~				~~11~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~				LNAPL		
MW-130	Grab	GW		4/3/24	1025	11	X	X	X	X	X	X						-08

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:

pH ___ Temp ___
Flow ___ Other ___

Samples returned via:
__ UPS ✓ FedEx __ Courier

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeOH TBR	If preservation required by Login: Date/Time
Scott Ude	4/3/24	1900			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 765	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Laura Bendfield	Date: 4/4/24 Time: 9:00	Hold: Condition: NCF / OK

RC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: Julie Speer

Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2024

City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:

Client Project #

Lab Project #
TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team

Site/Facility ID #
(Navajo - Artesia)

P.O. #

Collected by (signature):

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Immediately Packed on Ice N ___ Y ✓

Chain of Custody Page 3 of 25

Pace Analytical
National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# LM22186

Table #

Acctnum: TRCATX
Template: T248756
Prelogin: P1062037
TSR: 526
PB:
Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
KWB-4	Grab	GW				9	X	X		X	X	X					LNAPL	
RW-19	Grab	GW		4/3/24	805	9	X	X		X	X	X					(LNAPL skimmed (not PP) was operational)	-09
EB-EP-01	Grab	GW		4/3/24	955	11	X	X	X	X	X	X						-10
EB-EP-01 04	Grab	GW		4/3/24	1210	11	X	X	X	X	X	X						-11
TRIP BLANK-EP-01	Grab	GW		4/3/24	~	1	X											-12

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:

pH ___ Temp ___
Flow ___ Other ___

Samples returned via:
__ UPS ✓ FedEx __ Courier

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR	If preservation required by Login: Date/Time
Scott Ude	4/3/24	1900		8	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 765	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Sarah Bendfeldt	Date: 4/4/24 Time: 9:00	Hold: Condition: NCF / OK

Chain of Custody Page 1 of 2

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# LM22286

Table #

Acctnum: TRCATX

Template: T248757

Prelogin: P1062036

TSR: 526

PB:

Shipped Via:

Company Info	Billing Information	Pres Chk
TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752	Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com	

Report to:	Email To:
Julie Speer	jspeer@trccompanies.com

Project Description:	City/State Collected:
Artesia Spring 2024	Artesia, NM

Phone: / Fax:	Client Project #	Lab Project #
512-684-3170		TRCATX-ARTESIA

Collected by (print):	Site/Facility ID #	P.O. #
Scott Ude/HMI Team	(Navajo - Artesia)	

Collected by (signature):

Immediately Packed on ice N ___ Y ✓

Rush? (Lab MUST Be Notified) ___ Same Day ___ Five Day ___ Next Day ___ 5 Day (Rad Only) ___ Two Day ___ 10 Day (Rad Only) ___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH			Remarks	Sample # (lab only)
MW-76	Grab	GW		4/2/24	830	11	X	X	X	X	X	X						
MW-77	Grab	GW		4/2/24	910	11	X	X	X	X	X	X						
MW-78	Grab	GW		4/2/24	950	11	X	X	X	X	X	X						
MW-75	Grab	GW		4/2/24	1035	11	X	X	X	X	X	X						
MW-83	Grab	GW		4/2/24	1120	11	X	X	X	X	X	X						
MW-3	Grab	GW		4/2/24	1205	11	X	X	X	X	X	X						
MW-88	Grab	GW		4/2/24	1250	11	X	X	X	X	X	X						
MW-22A	Grab	GW		4/2/24	1335	11	X	X	X	X	X	X						
MW-10	Grab	GW		4/3/24	755	11	X	X	X	X	X	X						-13
MW-123	Grab	GW		4/3/24	840	11	X	X	X	X	X	X						-14

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __ UPS ✓ FedEx __ Courier __ _____

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Scott Ude	4/3/24	1900		8
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 765
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/4/24 Time: 9:00

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: Julie Speer
Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2024
City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:
Client Project #
Lab Project # TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team
Site/Facility ID # (Navajo - Artesia)
P.O. #

Collected by (signature):
Immediately Packed on Ice N ___ Y ✓
Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day
Date Results Needed
Quote #

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 5 of 21

Pace Analytical® National Center for Testing & Innovation
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L1722860
Table #
Acctnum: TRCATX
Template: T248757
Prelogin: P1062036
TSR: 526
PB:
Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH			Remarks	Sample # (lab only)
MW-4A	Grab	GW		4/3/24	925	11	X	X	X	X	X	X						-15
MW-5A	Grab	GW		4/3/24	1610	11	X	X	X	X	X	X						-16
MW-7A	Grab	GW		4/3/24	1135	11	X	X	X	X	X	X						-17
OCD-8A	Grab	GW		4/3/24	1220	12	X	X	X		X	X	X	X				-18
DUP-EP-01	Grab	GW		4/3/24	1020	11	X	X	X	X	X	X						-19
DUP-EP-02	Grab	GW		4/2/24	1130	11	X	X	X	X	X	X						
DUP-EP-03	Grab	GW		4/2/24	930	11	X	X	X	X	X	X						
EB-EP-01 03	Grab	GW		4/3/24	1030	11	X	X	X	X	X	X						-20
TRIP BLANK-EP-02	Grab	GW		4/3/24	—	1	X											-21

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:

pH ___ Temp ___
Flow ___ Other ___

Samples returned via:
__ UPS ✓ FedEx __ Courier ___

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR	If preservation required by Login: Date/Time
Scott Ude	4/3/24	1900		8	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 765	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Carol Burchfield	Date: 4/4/24 Time: 9:00	Hold: Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: Julie Speer

Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2024

City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:

Client Project #

Lab Project #
TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team

Site/Facility ID #
(Navajo - Artesia)

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH			Remarks	Sample # (lab only)
MW-25	Grab	GW		4/2/24	1230	9	X	X		X	X	X						
MW-1R	Grab	GW		4/2/24	1315	9	X	X		X	X	X						
MW-15	Grab	GW		4/3/24	1400	11	X	X	X	X	X	X						
OCD-1R	Grab	GW		4/3/24	1205	11	X	X	X	X	X	X						-22
OCD-2A	Grab	GW		4/3/24	1120	11	X	X	X	X	X	X						-23
OCD-3	Grab	GW		4/3/24	950	11	X	X	X	X	X	X						-24
OCD-4	Grab	GW		4/3/24	905	11	X	X	X	X	X	X						-25
MW-11A	Grab	GW		4/3/24	1035	11	X	X	X	X	X	X						-26
OCD-5	Grab	GW		4/3/24	820	11	X	X	X	X	X	X						-27
MW-87	Grab	GW		4/2/24	830	11	X	X	X	X	X	X						

Chain of Custody Page 6 of 25

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L1722286

Table #

Acctnum: TRCATX
Template: T248761
Prelogin: P1062038
TSR: 526
PB:

Shipped Via:

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP Y N
COC Signed/Accurate: X N
Bottles arrive intact: X N
Correct bottles used: X N
Sufficient volume sent: X N
If Applicable
VOA Zero Headspace: X N
Preservation Correct/Checked: X N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
Scott Ude	4/3/24	1900			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 765	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Sarah Burchfield	Date: 4/4/24 Time: 9:10	Hold: Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: Julie Speer
Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2024
City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:
Client Project #
Lab Project # TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team
Site/Facility ID # (Navajo - Artesia)
P.O. #

Collected by (signature):
Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day
Date Results Needed

Quote #

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH			Remarks	Sample # (lab only)
MW-18A	Grab	GW		~~4/2/24~~	~~915~~	10	X	X			X	X	X	X				
MW-70	Grab	GW		~~4/2/24~~	~~1020~~	11	X	X	X	X	X	X						
MW-124	Grab	GW		~~4/2/24~~	~~1110~~	11	X	X	X	X	X	X						
MW-52	Grab	GW		4/3/24	825	12	X	X	X		X	X	X	X				-28
MW-109	Grab	GW		4/3/24	905	11	X	X	X	X	X	X						-29
MW-110	Grab	GW		4/3/24	945	11	X	X	X	X	X	X						-30
MW-140	Grab	GW		4/3/24	1400	~~3~~ 4					X	X	X				No Diss. also !!	-31
MW-141	Grab	GW		4/3/24	1315	~~3~~ 4					X	X	X				No Diss. also !!	-32
EB-EP-02	Grab	GW		~~4/2/24~~	~~1430~~	11	X	X	X	X	X	X						
TRIP BLANK-EP-03	Grab	GW		4/3/24	—	1	X											-33

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:

pH ___ Temp ___
Flow ___ Other ___

Samples returned via: ✓ UPS ___ FedEx ___ Courier ___
Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR
Scott Ude	4/3/24	1900		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 765
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/4/24 Time: 9:10

If preservation required by Login: Date/Time
Hold:
Condition: NCF / OK

Chain of Custody Page 7 of 25

Pace Analytical® National Center for Testing & Innovation
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# LT222586
Table #
Acctnum: TRCATX
Template: T248761
Prelogin: P1062038
TSR: 526
PB:
Shipped Via:

Chain of Custody Page 8 of 25

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L1722286

Table #

Acctnum: TRCATX
Template: T248762
Prelogin: P1062039
TSR: 526
PB: 3/3-24Gm

Shipped Via:

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: Julie Speer

Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2024

City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:

Client Project #

Lab Project # TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team

Site/Facility ID # (Navajo - Artesia)

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
RW-12R	Grab	GW				9	X	X		X	X	X					LNAPL	
MW-113	Grab	GW		4/3/24	1105	11	X	X	X	X	X	X						-34
KWB-8	Grab	GW				10	X	X			X	X	X	X			LNAPL	
RW-22	Grab	GW				9	X	X		X	X	X					LNAPL	
RW-20A	Grab	GW				9	X	X		X	X	X					DRY	
RW-20B	Grab	GW				9	X	X		X	X	X					DRY	
RW-13R	Grab	GW				14	X	X		X	X	X			X	X	LNAPL	
RW-14R	Grab	GW				9	X	X		X	X	X					LNAPL	
MW-133	Grab	GW				11	X	X	X	X	X	X					LNAPL	
MW-134	Grab	GW		4/3/24	1125	11	X	X	X		X	X	X					-35

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR
Scott Ude	4/3/24	1900		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 765
linquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/4/24 Time: 9:10

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: Julie Speer
Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2024
City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:
Client Project #
Lab Project #: TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team
Site/Facility ID #: (Navajo - Artesia)
P.O. #

Collected by (signature):
Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day
Date Results Needed
Quote #

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 9 of 25

Pace Analytical® National Center for Testing & Innovation
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L777286
Table #
Acctnum: TRCATX
Template: T248762
Prelogin: P1062039
TSR: 526
PB: 3-13-24 GM
Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
RA-4196R	Grab	GW		4/3/24	1045	11	X			X	X	X			X	X	Only Cation	-36
RA-3156	Grab	GW		(well shorted out; will not be fixed)		6	X			X	X	X			X	X	Only Cation	
RA-313	Grab	GW		4/3/24	1410	6	X			X	X	X			X	X	Only Cation	-37
KWB-7	Grab	GW		4/2/24	845	10	X	X			X	X	X	X				
MW-20	Grab	GW		4/3/24	1105	9	X	X		X	X	X						-38
NP-1	Grab	GW		4/3/24	1005	6	X			X	X	X					Only Cation	-39
MW-8	Grab	GW		4/3/24	1225	11	X	X	X	X	X	X						-40
MW-21	Grab	GW		4/3/24	1310	11	X	X	X	X	X	X						-41
MW-71	Grab	GW		4/3/24	820	10	X	X			X	X	X	X				-42
MW-68	Grab	GW		4/3/24	925	9	X	X		X	X	X						-43

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:
RA-4196R,RA-3156,RA-313,NP-1 reporting Cations from Metals bottle.

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier __ _____
Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR	If preservation required by Login: Date/Time
Scott Ude	4/3/24	1900			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 765	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Cindy Rueckfield	Date: 4/4/24 Time: 9:00	Hold: Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: Julie Speer

Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2024

City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:

Client Project #

Lab Project #
TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team

Site/Facility ID #
(Navajo - Artesia)

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page 10 of 25

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L772286

Table #

Acctnum: TRCATX

Template: T248762

Prelogin: P1062039

TSR: 526

PB: 3 13 24 6m

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	Remarks	Sample # (lab only)
MW-27	Grab	GW		4/2/24	1325	9	X	X		X	X	X				
MW-89	Grab	GW		4/2/24	1235	9	X	X		X	X	X				
MW-16	Grab	GW		4/2/24	1145	9	X	X		X	X	X				
MW-26	Grab	GW		4/2/24	1100	9	X	X		X	X	X				
KWB-11A	Grab	GW		4/2/24	1015	12	X	X	X		X	X	X	X		
KWB-11B	Grab	GW		4/2/24	925	12	X	X	X		X	X	X	X		
MW-115	Grab	GW		4/3/24	1350	11	X	X	X		X	X	X			-44
MW-114	Grab	GW		4/3/24	1310	11	X	X	X		X	X	X			-45
MW-125	Grab	GW		4/3/24	1230	11	X	X	X		X	X	X			-46
DUP-REST-01	Grab	GW		4/3/24	1000	11	X	X	X	X	X	X				-47

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier __ _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No (HCl / MeoH) TBR	
Scott Ude	4/3/24	1900		8	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C	Bottles Received: 765
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/4/24	Time: 910

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Chain of Custody Page 11 of 25

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L1722286

Table #

Acctnum: TRCATX

Template: T248762

Prelogin: P1062039

TSR: 526

PB: 3-13 24

Shipped Via:

Remarks | Sample # (lab only)

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: Julie Speer

Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2024

City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:

Client Project #

Lab Project # TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team

Site/Facility ID # (Navajo - Artesia)

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH				
EB-REST-01	Grab	GW		4/3/24	1135	11	X	X	X	X	X	X						-48
DUP-REST-03	Grab	GW		4/3/24	1200	11	X	X	X		X	X	X					-49
EB-REST-03	Grab	GW		4/3/24	1140	11	X	X	X		X	X	X					-50
TRIP BLANK-REST-01	Grab	GW		4/3/24	—	1	X			X	X							-51
TRIP BLANK-TMD-01	Grab	GW		4/3/24	—	1	X		Sol									-52

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR
Scott Ude	4/3/24	1900		8
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 765
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/4/24 Time: 9:10

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Chain of Custody Page 12 of 2

Pace Analytical® National Center for Testing & Innovation
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L777256

Table #

Acctnum: TRCATX

Template: T248763

Prelogin: P1062040

TSR: 526

PB:

Shipped Via:

Company / Address	Billing Information	Analysis / Container / Preservative
TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752	Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com	Pres Chk: 02
Report to: Julie Speer	Email To: jspeer@trccompanies.com	
Project Description: Artesia Spring 2024	City/State Collected: Artesia, NM	
Phone: 512-684-3170 Fax:	Client Project # Lab Project #: TRCATX-ARTESIA	
Collected by (print): Scott Ude/HMI Team	Site/Facility ID #: (Navajo - Artesia) P.O. #	
Collected by (signature):	Rush? (Lab MUST Be Notified) ___ Same Day ___ Five Day ___ Next Day ___ 5 Day (Rad Only) ___ Two Day ___ 10 Day (Rad Only) ___ Three Day Quote # Date Results Needed	
Immediately Packed on Ice N ___ Y ✓		

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* - 125mlHDPE-NoPres	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
MW-117	Grab	GW		4/3/24	845	11	X	X	X		X	X	X					-53
MW-118	Grab	GW		4/2/24	1310	11	X	X	X		X	X	X					
MW-119	Grab	GW		4/2/24	1220	11	X	X	X		X	X	X					
MW-136	Grab	GW				12	X	X	X		X	X	X	X			Obstruction in well (likely roots)	casing
MW-126A	Grab	GW				11	X	X	X	X	X	X					LNAPL	
MW-126B	Grab	GW		4/2/24	935	11	X	X	X	X	X	X						
MW-127	Grab	GW				16	X	X	X	X	X	X			X	X	LNAPL	
MW-129	Grab	GW				11	X	X	X	X	X	X					LNAPL	
KWB-1A	Grab	GW		4/2/24	1205	10	X	X			X	X	X	X				
KWB-10R	Grab	GW				11	X	X		X	X	X				X	LNAPL	

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via: __ UPS ✓ FedEx __ Courier __ _____
Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
Scott Ude	4/3/24	1900		8	
elinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 765	
linquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/4/24 Time: 9:00	Hold: Condition: NCF / OK

Chain of Custody Page 13 of 25

Pace Analytical
National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L1722586

Table #

Acctnum: TRCATX

Template: T248763

Prelogin: P1062040

TSR: 526

PB:

Shipped Via:

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: Julie Speer

Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2024

City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:

Client Project #

Lab Project # TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team

Site/Facility ID # (Navajo - Artesia)

P.O. #

Collected by (signature):
Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4*- 125mlHDPE-NoPres	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
MW-131	Grab	GW		4/3/24		11	X	X	X	X	X	X					LNAPL	
KWB-5	Grab	GW				9	X	X		X	X	X					LNAPL	
MW-111	Grab	GW				16	X	X	X	X	X	X			X	X	LNAPL	
KWB-6	Grab	GW				14	X	X		X	X	X			X	X	LNAPL	
MW-112	Grab	GW				11	X	X	X	X	X	X					LNAPL	
MW-132	Grab	GW				11	X	X	X	X	X	X		Skimmer pump; h.s.			LNAPL	
MW-57	Grab	GW				11	X	X	X	X	X	X					LNAPL	
RW-#11-0	Grab	GW				9	X	X		X	X	X					DRY	
KWB-12A	Grab	GW				12	X	X	X		X	X	X	X			DRY	
KWB-12B	Grab	GW		4/2/24	1045	12	X	X	X		X	X	X	X				

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier __ _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No (HCl / MeoH) TBR
Scott Ude	4/3/24	1900		8
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 16S
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/4/24 Time: 9:00

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: Julie Speer

Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2024

City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:

Client Project #

Lab Project # TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team

Site/Facility ID # (Navajo - Artesia)

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page 1 of 2

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 477286

Table #

Acctnum: TRCATX
Template: T248763
Prelogin: P1062040
TSR: 526
PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* - 125mlHDPE-NoPres	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	Remarks	Sample # (lab only)
KWB-2R	Grab	GW		4/3/24	935	9	X	X		X	X	X				-54
MW-58	Grab	GW				10	X	X			X	X	X	X	LNAPL	
KWB-13	Grab	GW		4/2/24	1115	10	X	X			X	X	X	X		
MW-149	Grab	GW		4/2/24	915	9	X	X		X	X	X				
MW-150	Grab	GW		4/2/24	1010	9	X	X		X	X	X				
MW-142	Grab	GW		4/2/24	1315	4					X	X	X			
MW-143	Grab	GW		4/2/24	1400	4					X	X	X			
DUP-REST-05	Grab	GW		4/2/24	1200	11	X	X	X		X	X	X	X	was requested	
EB-REST-05	Grab	GW		4/2/24	1100	11	X	X	X		X	X	X	X	was requested	
TRIP BLANK-REST-02	Grab	GW		4/2/24		1	X									

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:

pH ____ Temp ____
Flow ____ Other ____

Samples returned via:
__ UPS ✓ FedEx __ Courier

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No (HCl / MeoH TBR)	
Scott Ude	4/3/24	1900		8	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C	Bottles Received: 765
					If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/4/24	Time: 9:00
			Sarah Beardsley		Hold: Condition: NCF / OK

Chain of Custody Page 15 of 25

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L1722586

Table #

Acctnum: TRCATX

Template: T248764

Prelogin: P1062041

TSR: 526

PB:

Shipped Via:

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: Julie Speer

Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2024

City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:

Client Project #

Lab Project # TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team

Site/Facility ID # (Navajo - Artesia)

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH			Remarks	Sample # (lab only)
MW-103	Grab	GW		4/3/24	805	11	X	X	X	X	X	X						-55
MW-104	Grab	GW		4/3/24	905	11	X	X	X	X	X	X						-56
MW-64	Grab	GW		4/3/24	955	11	X	X	X	X	X	X						-57
MW-65	Grab	GW		4/3/24	1040	11	X	X	X	X	X	X						-58
RW-5R	Grab	GW				9	X	X		X	X	X					LNAPL	
MW-102	Grab	GW		4/2/24	1230	11	X	X	X	X	X	X						
RW-4	Grab	GW		4/3/24	1120	9	X	X		X	X	X						-59
RW-6	Grab	GW		4/2/24	1425	9	X	X		X	X	X						
MW-99	Grab	GW		4/3/24		11	X	X	X	X	X	X					LNAPL	
MW-66	Grab	GW				12	X	X	X		X	X	X	X			LNAPL	

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier __ _____

Tracking #

Sample Receipt Checklist:
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No (HCL) / MeoH TBR
Slam Ude	4/3/24	1900		8
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 165
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Carol Bucksfield	Date: 4/4/24 Time: 9:00

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: Julie Speer
Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2024
City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:
Client Project #
Lab Project # TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team
Site/Facility ID #: (Navajo - Artesia)
P.O. #

Collected by (signature):
Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day
Date Results Needed

Quote #

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
MW-28	Grab	GW				14	X	X	X		X	X	X	X		X	LNAPL	
MW-59	Grab	GW				11	X	X	X	X	X	X					LNAPL	
MW-60	Grab	GW				17	X	X	X		X	X	X	X	X	X	LNAPL	
MW-107	Grab	GW				11	X	X	X	X	X	X					LNAPL	
MW-128	Grab	GW				13	X	X	X	X	X	X				X	LNAPL	
MW-116	Grab	GW		4/3/24	1315	11	X	X	X		X	X	X					-60
MW-46R	Grab	GW		4/3/24	1025	9	X	X		X	X	X						-61
RW-#18A	Grab	GW				7	X				X	X	X				DRY	
MW-144	Grab	GW		4/2/24	840	4			~~X~~ NA		X	X	X				(GRO not requested)	
MW-145	Grab	GW		4/1/24	745	10	X	X	X	X	X	X					Shipped 4/1 (No Nitrate as mg/L Nitrite requested)	146

Chain of Custody Page 16 of 25

Pace Analytical
National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 177256
Table #
Acctnum: TRCATX
Template: T248764
Prelogin: P1062041
TSR: 526
PB:
Shipped Via:

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:
Nitrate/Nitrite is not reporting on MW-145. 146, 147, 148 ed

pH ___ Temp ___
Flow ___ Other ___

Samples returned via:
__ UPS __ FedEx __ Courier ___

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR
Scott Ude	4/3/24	1900		8
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 765
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) Carl Burchfield	Date: 4/4/24 Time: 900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: Julie Speer
Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2024
City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:
Client Project #
Lab Project #: TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team
Site/Facility ID #: (Navajo - Artesia)
P.O. #

Collected by (signature):
Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day
Date Results Needed

Quote #

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 17 of 25

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 1177286
Table #
Acctnum: TRCATX
Template: T248764
Prelogin: P1062041
TSR: 526
PB:
Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	Cl,F,SO4 - 125mlHDPE-NoPres	Remarks	Sample # (lab only)
~~MW-146~~	~~Grab~~	~~GW~~		~~4/1/24~~	~~840~~	11	X	X	X	X	X	X			X	Shipped 4/1	
MW-135	Grab	GW		4/2/24	935	11	X	X	X	X	X	X					
MW-147	Grab	GW		4/2/24	1015	11	X	X	X	X	X	X			X		
MW-148	Grab	GW		4/2/24	1105	11	X	X	X	X	X	X			X		
UG-3R	Grab	GW		4/1/24	1240	12	X	X	X		X	X	X	X		Shipped 4/1	
UG-4	Grab	GW		4/1/24	1150	12	X	X	X		X	X	X	X		Shipped 4/1	
UG-1	Grab	GW		4/1/24	1100	12	X	X	X		X	X	X	X		Shipped 4/1	
UG-2	Grab	GW		4/1/24	955	12	X	X	X		X	X	X	X		Shipped 4/1	
DUP-REST-02	Grab	GW		4/2/24	1100	11	X	X	X	X	X	X					
EB-REST-02	Grab	GW		4/2/24	1245	11	X	X	X	X	X	X					

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: Nitrate/Nitrite is not reported on MW-145, 146, 147, 148
pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier __ _____
Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR	If preservation required by Login: Date/Time
Scott Ude	4/3/24	1900			
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 16	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/4/24 Time: 9:00	Hold: Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: Julie Speer
Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2024
City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:

Client Project #

Lab Project #
TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team
Site/Facility ID #: (Navajo - Artesia)
P.O. #

Collected by (signature):
Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day
Date Results Needed

Quote #

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	Cl,F,SO4 - 125mlHDPE-NoPres	Remarks	Sample # (lab only)
~~DUP-REST-04~~	~~Grab~~	~~GW~~		~~4/1/24~~	~~730~~	~~11~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~				~~X~~	shipped 4/1	
~~EB-REST-04~~	~~Grab~~	~~GW~~		~~4/1/24~~	~~900~~	~~11~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~				~~X~~	shipped 4/1	
TRIP BLANK-REST-03				4/3/24	—	1	X								X		-162

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

Samples returned via: __ UPS ✓ FedEx __ Courier

pH _____ Temp _____
Flow _____ Other _____

Tracking #

Relinquished by : (Signature) Scott Ude — Date: 4/3/24 — Time: 1900
Received by: (Signature)

Relinquished by : (Signature) — Date: — Time:
Received by: (Signature)

Relinquished by : (Signature) — Date: — Time:
Received for lab by: (Signature) — Date: 4/4/24 — Time: 920

Trip Blank Received: Yes / No (HCl) / MeoH TBR
Temp: °C Bottles Received: 765

Hold:

Condition: NCF / OK

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

If preservation required by Login: Date/Time

Chain of Custody Page 18 of 25

Pace Analytical®
National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 177526

Table #

Acctnum: TRCATX
Template: T248764
Prelogin: P1062041
TSR: 526
PB:

Shipped Via:

Chain of Custody Page 13 of 25

Pace Analytical
National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L1722986
Table #
Acctnum: TRCATX
Template: T248765
Prelogin: P1062042
TSR: 526
PB: CJ 3/27/24
Shipped Via:

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: Julie Speer

Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2024

City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:

Client Project #

Lab Project # TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team

Site/Facility ID # (Navajo - Artesia)

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4*125mlHDPE-NoPres	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270TX/8270DIOXANE - 100ml Amb-NoPr	Remarks	Sample # (lab only)
MW-101	Grab	GW		4/2/24	925	11	X	X	X	X	X	X						
MW-105	Grab	GW		4/2/24	825	11	X	X	X	X	X	X						
RW-2	Grab	GW				15	X	X	X	X	X	X				X	LNAPL	
MW-61	Grab	GW		4/2/24	1140	13	X	X	X	X	X	X				X	No 1,4-D	
MW-62	Grab	GW				13	X	X	X	X	X	X				X	No 1,4-D	LNAPL
MW-62R	Grab	GW		4/2/24	1010	11	X	X	X	X	X	X						
MW-93	Grab	GW				15	X	X	X	X	X	X				X	LNAPL	
MW-43	Grab	GW				16	X	X	X		X	X	X	X		X	LNAPL	
MW-137	Grab	GW				14	X	X	X		X	X	X	X		X	No 1,4-D LNAPL	
MW-137A	Grab	GW				12	X	X	X		X	X	X	X			LNAPL	

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier __ _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR	
Scott Ude	4/3/24	1900		8	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C	Bottles Received: 765
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/4/24	Time: 9:00

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: Julie Speer

Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2024

City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:

Client Project #

Lab Project #
TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team

Site/Facility ID #
(Navajo - Artesia)

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 20 of 25

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L1722866

Table #

Acctnum: TRCATX
Template: T248765
Prelogin: P1062042
TSR: 526
PB: CJ 4/12/24
Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4*125mlHDPE-NoPres	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlCl-NaThio	8270TX/8270DIOXANE - 100ml Amb-NoPr	Remarks	Sample # (lab only)
MW-138	Grab	GW				16	X	X	X		X	X	X	X		X	LNAPL	
MW-138A	Grab	GW				12	X	X	X		X	X	X	X			LNAPL	
MW-23	Grab	GW				15	X	X	X	X	X	X				X	LNAPL	
TEL-4	Grab	GW		4/3/24	755	11	X	X	X	X	X	X						-63
TEL-3	Grab	GW				11	X	X	X	X	X	X					LNAPL	
TEL-2	Grab	GW				11	X	X	X	X	X	X					LNAPL	
TEL-1	Grab	GW				11	X	X	X	X	X	X					LNAPL	
MW-39	Grab	GW				13	X	X	X	X	X	X				X	No SVOCs	LNAPL
MW-98	Grab	GW		4/3/24	925	11	X	X	X	X	X	X						-64
RW-10	Grab	GW				13	X	X	X	X	X	X				X	No SVOCs	LNAPL

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier __ _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR	If preservation required by Login: Date/Time
Scott Ude	4/3/24	1900			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 765	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/4/24 Time: 9:00	Hold: Condition: NCF / OK

Chain of Custody Page 21 of 25

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# LIT22986

Table #

Acctnum: TRCATX

Template: T248765

Prelogin: P1062042

TSR: 526

PB: CJ 4/13/24

Shipped Via:

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: Julie Speer

Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2024

City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:

Client Project #

Lab Project # TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team

Site/Facility ID # (Navajo - Artesia)

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Date Results Needed

Quote #

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4*125mlHDPE-NoPres	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
MW-40	Grab	GW				13	X	X	X		X	X	X			X	No SVOCs	LNAPL
MW-41	Grab	GW				13	X	X	X	X	X	X				X	No SVOCs	LNAPL
RW-9	Grab	GW		4/3/24	1025	11	X	X	X	X	X	X						-65
MW-42	Grab	GW				13	X	X	X	X	X	X				X	No SVOCs	LNAPL
MW-29	Grab	GW		4/3/24	1125	11	X	X	X		X	X	X					-66
RW-#16B	Grab	GW				11	X	X		X	X	X				X	No SVOCs	DRY
MW-56	Grab	GW		4/3/24	840	9	X	X			X	X	X					-67
MW-49	Grab	GW		4/3/24	930	12	X	X	X		X	X	X	X				-68
MW-106	Grab	GW		4/2/24	1255	13	X	X	X	X	X	X				X	No SVOCs	
MW-45	Grab	GW		4/3/24	1020	12	X	X			X	X	X	X				-69

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH ____ Temp ____

Flow ____ Other ____

Samples returned via:
__ UPS __ FedEx __ Courier ____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR	If preservation required by Login: Date/Time
Scott Ude	4/3/24	1900			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 68	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/4/24 Time: 9:10	Hold: Condition: NCF / OK

Chain of Custody Page 22 of 25

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L1722586

Table #

Acctnum: TRCATX

Template: T248765

Prelogin: P1062042

TSR: 526

PB: 03 - 13/24

Shipped Via:

Company Info	Billing Information	Pres Chk
TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752	Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com	

Report to:	Email To:
Julie Speer	jspeer@trccompanies.com

Project Description:	City/State Collected:
Artesia Spring 2024	Artesia, NM

Phone: / Fax:	Client Project #	Lab Project #
512-684-3170		TRCATX-ARTESIA

Collected by (print):	Site/Facility ID #	P.O. #
Scott Ude/HMI Team	(Navajo - Artesia)	

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified) ___ Same Day ___ Five Day ___ Next Day ___ 5 Day (Rad Only) ___ Two Day ___ 10 Day (Rad Only) ___ Three Day

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4*125mlHDPE-NoPres	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH			Remarks	Sample # (lab only)
DUP-TEL-01	Grab	GW		4/3/24	900	11	X	X	X	X	X	X						-70
EB-TEL-01	Grab	GW		4/3/24	820	11	X	X	X	X	X	X						-71
TRIP BLANK-REST-04	Grab	GW		4/2/24	—	1	X											
TRIP BLANK-TEL-01	Grab	GW		4/3/24	—	1	X											-72

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __ UPS ✓ FedEx __ Courier __ _____

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
Scott Ude	4/3/24	1900			
elinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 765	
nquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/4/24 Time: 9:10	Hold: Condition: NCF / OK

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: Julie Speer
Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2024
City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:
Client Project #
Lab Project #: TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team
Site/Facility ID #: (Navajo - Artesia)
P.O. #

Collected by (signature):
Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day
Quote #
Date Results Needed

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270/8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
MW-139	Grab	GW		4/3/24	1105	11	X	X	X	X	X	X						-73
MW-50	Grab	GW		4/3/24	1145	9	X	X		X	X	X						-74
MW-97	Grab	GW				13	X	X	X	X	X	X				X	~~No 1,4-D~~	not located; covered in 2011
MW-92	Grab	GW				13	X	X	X	X	X	X				X	~~No SVOCs~~	LNAPL
RW-1	Grab	GW				13	X	X	X	X	X	X				X	~~No SVOCs~~	LNAPL
MW-91	Grab	GW				13	X	X	X	X	X	X				X	~~No SVOCs~~	LNAPL
MW-90	Grab	GW		4/2/24	825	11	X	X	X	X	X	X						
MW-96	Grab	GW		4/2/24	905	11	X	X	X	X	X	X						
MW-94	Grab	GW				13	X	X	X	X	X	X				X	~~No SVOCs~~	LNAPL
RW-8	Grab	GW				14	X	X		X	X	X			X	X	~~No SVOCs~~	LNAPL

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:

pH ___ Temp ___
Flow ___ Other ___

Samples returned via: __ UPS ✓ FedEx __ Courier

Tracking #

Relinquished by : (Signature) Sean Ude — Date: 4/3/24 — Time: 1900
Relinquished by : (Signature) — Date: — Time:
Relinquished by : (Signature) — Date: — Time:

Received by: (Signature)
Received by: (Signature)
Received for lab by: (Signature) Mark C Burchfield — Date: 4/4/24 — Time: 9:10

Trip Blank Received: Yes / No (HCl) / MeoH TBR
Temp: °C Bottles Received: 765
Date: Time:

If preservation required by Login: Date/Time
Hold:
Condition: NCF / OK

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: N
Preservation Correct/Checked: N

Chain of Custody Page 23 of 25

Pace Analytical®
National Center for Testing & Innovation
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L1772586
Table #
Acctnum: TRCATX
Template: T248766
Prelogin: P1062043
TSR: 526
PB:
Shipped Via:

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: Julie Speer

Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2024

City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:

Client Project #

Lab Project #
TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team

Site/Facility ID #
(Navajo - Artesia)

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Date Results Needed

Quote #

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
MW-67	Grab	GW				14	X	X	X		X	X	X	X		X	No SVOCs	LNAPL
MW-95	Grab	GW				11	X	X	X	X	X	X					LNAPL	
RW-7	Grab	GW				11	X	X	X	X	X	X					LNAPL	
NCL-34A	Grab	GW				9	X	X		X	X	X					LNAPL	
NCL-33	Grab	GW		4/2/24	955	9	X	X		X	X	X						
NCL-44	Grab	GW		4/2/24	825	9	X	X		X	X	X						
NCL-32	Grab	GW		4/2/24	905	9	X	X		X	X	X						
MW-108	Grab	GW		4/3/24	1225	9	X	X		X	X	X						-75
NCL-31	Grab	GW		4/2/24	945	9	X	X		X	X	X						
MW-55	Grab	GW		4/3/24	1115	12	X	X	X		X	X	X	X				-76

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier _____

Tracking #

Relinquished by : (Signature) Scott Ude — Date: 4/3/24 — Time: 1900

Received by: (Signature)

Trip Blank Received: Yes / No (HCl) / MeoH TBR

Relinquished by : (Signature) — Date: — Time:

Received by: (Signature)

Temp: °C Bottles Received: 765

If preservation required by Login: Date/Time

elinquished by : (Signature) — Date: — Time:

Received for lab by: (Signature)

Date: 4/4/24 Time: 9:00

Hold:

Condition: NCF / OK

Chain of Custody Page 24 of 25

Pace Analytical®
National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L1722266

Table #

Acctnum: TRCATX
Template: T248766
Prelogin: P1062043
TSR: 526
PB:

Shipped Via:

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Chain of Custody Page 25 of 25

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 1177086

Table #

Acctnum: TRCATX
Template: T248766
Prelogin: P1062043
TSR: 526
PB:

Shipped Via:

Remarks	Sample # (lab only)
No SVOCs	DRY
	-77
	-78
	-79
	-80
	-81
	-82

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: Julie Speer

Email To: jspeer@trccompanies.com

Project Description: Artesia Spring 2024

City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:

Client Project #

Lab Project # TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team

Site/Facility ID # (Navajo - Artesia)

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres
RW-#17A	Grab	GW				13	X	X	X	X	X	X				X
MW-18	Grab	GW		4/2/24	1040	10	X	X			X	X	X	X		
MW-54A	Grab	GW		4/3/24	1015	9	X	X		X	X	X				
NCL-49	Grab	GW		4/3/24	915	9	X	X		X	X	X				
MW-53R	Grab	GW		4/3/24	825	9	X	X		X	X	X				
DUP-NCL-01	Grab	GW		4/3/24	900	9	X	X		X	X	X				
EB-NCL-01	Grab	GW		4/3/24	935	9	X	X		X	X	X				
TRIP BLANK-NCL-01	Grab	GW		4/3/24	—	1	X									

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:

pH ___ Temp ___
Flow ___ Other ___

Samples returned via:
__ UPS ✓ FedEx __ Courier ___

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR
Scott Ude	4/3/24	1900		8
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 765
linquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Carl Buckner	Date: 4/4/24 Time: 9:10

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

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477286

Tracking Numbers	Temperature
7320 9666 7486	1.5+0.1=1.6 MS AT
7019 5687 9454	0.3+0.1=0.4 MS AT
7320 9666 5370	3.5+0.1=3.6 MS AT
7320 9666 2370	0.8+0.1=0.9 MS AT
7320 9666 6994	0.7+0.1=0.8 MS AT
7320 9666 1890	0.5+0.1=0.6 MS AT
6643 4304 7647	0.2+0.1=0.3 MS AT
7320 9666 1926	1.8+0.1=1.9 MS AT
7320 9666 7475	1.1+0.1=1.2 MS AT
6643 4304 7360	0.4+0.1=0.5 MS AT
7320 9666 8200	0.4+0.1=0.5 MS AT
7320 9666 1076	3.2+0.1=3.4 MS AT
7019 5688 6191	2.0+0.1=2.1 MS AT
7320 9666 1742	0.4+0.1=0.5 MS AT

Name _____ Date _____

Received by OCD: 6/12/2025 1:19:15 PM

Released to Imaging: 6/17/2025 4:41:11 PM

December 20, 2024

Dana Helbert
Project Manager
TRC
505 E. Huntland Dr., Ste. 250
Austin, TX 78752
512.202.6823

Subject: Forensic chemical analysis of one non-aqueous phase liquid (NAPL) sample from HF Sinclair Navajo Refinery LLC, located in Artesia, New Mexico.

Dear Ms. Helbert,

This letter report summarizes the results of forensic chemical analyses conducted on one non-aqueous phase liquid (NAPL) sample recently collected from the HF Sinclair property, located in Artesia, New Mexico. The objective of the work described herein was to chemically characterize the hydrocarbon fingerprint of the sample, identify the type(s) of products present, and determine the degree of environmental weathering.

Sampling and Laboratory Login

The sample was collected by TRC personnel for HF Sinclair on November 7, 2024. After collection, the sample was stored in a secure location and shipped by overnight carrier to NewFields' alliance laboratory, Alpha/Pace (Mansfield, MA) for forensic chemical analysis. Upon receipt, the sample was logged into Alpha/Pace's laboratory information management system (LIMS) and given unique laboratory identifications. The sample was stored in a limited access refrigerator at 4°C until processed for analysis. Summary information of the sample collected is provided in **Table 1**.

The sample was analyzed using a series of methods designed specifically for the forensic analysis of petroleum[1] and appropriate for the study's objective:

Analysis Scope

1. Whole Oil Fingerprinting: a "whole oil" gas chromatography technique, using tandem high resolution gas chromatography-flame ionization detection (GC/FID) and high-resolution gas chromatography-mass spectrometry (GC/MS) following adaptations of Modified EPA Method 8015 and modified EPA Method 8270, respectively. These analyses provide detailed information about the occurrence and distribution of hydrocarbons over the C_4 to C_{44+} carbon range. The resulting GC profiles depict the type or types of petroleum products in the NAPL.

2. PIANO Quantification and Fingerprinting: The samples were analyzed by a modified EPA Method 8260 purge-and-trap gas chromatography with mass spectrometry (GC/MS) method was used to measure 88 C5-C12 volatile range compounds from five major hydrocarbon classes: paraffins, isoparaffins, aromatics, naphthenes, and olefins (PIANO). In addition, various oxygenated compounds found in oxygenated and reformulated gasolines were analyzed including

[1] Douglas, G.D., Emsbo-Mattingly, S.D., Stout, S.A., Uhler, A.D., and McCarthy, K.J. (2007) Chemical fingerprinting of hydrocarbons and polychlorinated biphenyls. In: *Introduction to Environmental Forensics, 2nd Ed.*, B. Murphy and R. Morrison, Eds., Academic Press, New York.

tert-butyl alcohol (TBA), methyl-tert-butyl ether (MTBE), di-isopropyl ether (DIPE), ethyl-tert-butyl ether (ETBE) were also targeted. A full list of the volatile hydrocarbons measured, and compound name abbreviations used in graphical presentation of data is provided in **Table 2**.

3. *Regulatory VOCs*: EPA Method 8260 was used for quantification of volatile organic compounds (VOCs). The target analytes include traditional VOCs of environmental concern (hydrocarbon, aromatic, halogenated, and oxygenated functional groups) by purge-and-trap gas chromatography and mass spectrometer (GC/MS) operated in a full scan mode. These results provide general information about the presence and concentrations of regulated VOC compounds. **Table 3** lists the VOC parameters measured and provides compound abbreviations.
4. *Specific Gravity*: ASTM method D4052 was used for reporting.

Results and Discussion

The complete Level 2 and Level 4 Alpha/Pace Environmental Testing Report (ETR) including all sample preparation data, instrument calibrations, QC data and chromatograms are maintained on file by NewFields (ETR L2466430) and are available upon request. Specific results most relevant to the study's objective are presented in **Table 4** and **Figures 1 and 2** herein, which are described in the sections below.

General Character of the MW-29 NAPL Sample Studied

The GC/FID gas chromatogram of NAPL MW-29 appears in **Figure 1.** Several laboratory reference samples of unweathered regular grade gasoline, unweathered kerosene and unweathered diesel fuel #2 are also presented for comparison. These results show that the NAPL sample analyzed is composed of a commingled automotive gasoline and middle distillate fuel (i.e., diesel fuel or fuel oil #2). The automotive gasoline component is evident in the hydrocarbons present in the C_5-C_{12+} range while evidence of a middle distillate fuel component (i.e., diesel fuel or fuel oil #2) appears in the C_{10}-C_{26+} range. The estimated proportions of these two components in the MW-29 NAPL sample is presented in **Figure 1 and Table 4**.[2] NAPL sample MW-29 is middle distillate dominant (89%) to gasoline minor (11%). No heavier range petroleum is present in the NAPL sample.

Additional details of this sample's gasoline and middle distillate fuel components are discussed in the sections below.

Detailed Character of the Automotive Gasoline in the MW-29 NAPL Sample Studied

The results of the PIANO analysis provide a basis to characterize and distinguish different types/blends of gasoline (and other light petroleum distillates). Histograms showing the concentrations of the volatile gasoline-range constituents provide a visual means of assessing the detailed compositions of light petroleum products. Inspection of the bulk measurements calculated from the PIANO results for NAPL MW-29 can be found in **Table 4**. The quantitative PIANO data is also used to compute various refining-based and environmental weathering parameters for gasoline, i.e., evaporation, water washing, and biodegradation, which are discussed further below.

[2] These percentages were calculated by manual range integrations of the sample's chromatogram splitting up the proportions of gasoline-range and diesel-range hydrocarbons. There is some overlap in the carbon ranges of the gasoline and the diesel fuel that occurs in the C_9-C_{12} range. In order to account for this overlap in carbon range NewFields performed the integrations for the gasoline range out to C_{10} and adjusted similarly for the diesel range, therefore the apportionment should be considered as a reasonable estimate of true composition.

The concentration histograms for the PIANO compounds measured in the NAPL MW-29 is presented in **Figure 2.** PIANO compound concentration histograms for laboratory reference samples of an unweathered regular grade gasoline and diesel fuel #2 are also shown in **Figure 2** for visual comparison. Unsurprisingly based upon the whole oil GC/FID results (**Figure 1**), the PIANO histogram for NAPL sample MW-29 studied exhibits only a modest n-C_5 to n-C_{12+} hydrocarbons in proportions characteristic of automotive gasoline.

Specifically, the modest gasoline present in the NAPL sample MW-29 exhibits refining-based parameters characteristic of modern, complex gasoline. NAPL sample MW-29 contains gasoline that was blended with alkylate—a refinery blending stock that contains predominately isooctane and related trimethylpentane isomers. This blend stock is found in many modern post-leaded gasoline era formulations. The isooctane concentration in the NAPL sample was 246 ppm. The minimal isooctane concentration present in the NAPL is likely due to the comingling with a more dominant component of middle distillate. The unweathered regular grade gasoline reference sample contained isooctane at 40,400 ppm (included in **Figure 2)**.

With respect to oxygenated additives, NAPL sample MW-29 did not contain any detectable oxygenates (i.e., TBA, MTBE, DIPE, ETBE, TAME) from the PIANO modified 8260M method along with the standard 8260 method also performed. This is not surprising given the overall lack of these compounds' use since MTBE was banned in U.S. gasolines (effectively) in the Spring of 2006, or earlier in some states (and also oxygenates' propensity to partition from NAPL or soil into groundwater). Despite the effective or actual bans on MTBE nearly 20 or more years ago, the incidental occurrence of trace concentrations of MTBE, DIPE, and/or TAME in post-ban gasolines is not unexpected due to these ethers' continuing production in the U.S. (mostly for export).[3]

Weathering Features of the Automotive Gasoline in the MW-29 NAPL Sample Studied

The two major weathering processes that can affect the composition of fugitive gasoline in the subsurface are evaporation and water washing. The PIANO data collected indicates that the modest gasoline present in the MW-29 NAPL sample discussed above has undergone significant evaporative weathering (**Figure 1 and Table 4**). The most volatile chemical measured in the PIANO analysis, isopentane, was present but reduced with a concentration of 28 ppm. Two metrics reflecting the degrees of evaporation affecting the sample studied (**Table 4**) indicate that the gasoline component is highly evaporated.

The gasoline fraction of MW-29 NAPL appears to have undergone significant water washing, whereupon water soluble chemicals partition from NAPL into groundwater or vadose zone residual water. The most water-soluble hydrocarbon in gasoline, benzene, was not detected in the PIANO 8260M VOC data and 1.8 ppm (which is .01 to 0.0002 wt%) in the standard 8260 VOC data also collected. Since 2011, gasolines sold in the U.S. must meet an annual average benzene concentration, which (in practice) translates to the typical presence of ~10,000 ppm (~1.0 wt%) in modern gasolines. Thus, the non-detect to very low concentration of benzene present is consistent with severely water washed weathered modern gasoline. Four metrics reflecting the water washing affecting the NAPL sample studied are given in **Table 4**.

Fresh gasoline contains abundant benzene and toluene relative to ethylbenzene and xylenes. Benzene and toluene preferentially dissolve from NAPL into groundwater, leading to diminishing values for the ratio of B+T/E+X as gasoline weathers. Kaplan (1997) reports ratio values between 0.64 and 1.13 for fresh,

[3] Stout, S.A. and Healey, E. (2023) Incidental occurrence of MTBE and other oxygenates in U.S. gasolines after State-level bans, 2004-2020. Environ. Forensics 25(3): 150-164.

unleaded gasoline. NewFields research library of dispensed gasoline fuels shows that 90% of its 100 samples have B+T/E+X that fall between 0.6 and 1.5, with a median value of 0.9. The B+T/E+X ratio for the MW-29 NAPL sample analyzed herein found a value of .01, exhibiting a highly water washed gasoline component.

It is also evident that the more weather resistant naphthenic compounds (such as methylcyclopentane, cyclohexane and methylcyclohexane) are more distinct in the NAPL sample (**Figure 2**) relative to other more soluble aromatic compounds such as benzene, toluene and xylenes. These observations assist in the confirmation of a weathered automotive gasoline present along with contribution of these compounds from the comingled dominant middle distillate present in the NAPL sample. The MW-29 NAPL volatiles compound distribution has many similarities to the Diesel Fuel Laboratory Reference Sample also provided in **Figure 2** for visual comparison and discussed further below.

Detailed Character of the Distillate Component in the MW-29 NAPL Sample

The middle distillate component present in the MW-29 NAPL was revealed by the distinct unresolved complex mixture (UCM or gas chromatographic "hump") that elutes between the C_9-C_{26+} range (**Figure 1**). The UCM is a common feature of distilled petroleum and arises from the co-elution of hundreds of compounds that cannot be resolved by conventional GC. The resolved peaks atop the UCM of chromatogram include numerous alkylated naphthalenes and isoprenoids, the latter including pristane (Pr) and phytane (Ph). What is also present in MW-29 NAPL are the regular series of prominent resolved peaks which are the straight chain n-alkanes that dominate chromatograms of unweathered middle distillates, such as the examples that appear in **Figure 1**.

Weathering Features of the Distillate Component for MW-29 NAPL Sample

The relative degree of weathering of the middle distillate component present was evaluated using the weathering-sensitive diagnostic ratios of n-C_{17}/pristane and n-C_{18}/phytane determined from the manual integrations of each. The n-alkanes n-C_{17} and n-C_{18} are long-recognized to be much more susceptible to biodegradation than the branched chain iso-alkanes pristane and phytane. Thus, the ratios of n-C_{17}/pristane versus n-C_{18}/phytane decrease with increasing degree of biodegradative weathering. Ratios near or above 2 are generally consistent with unweathered distillate fuels; ratios of zero represent severely weathered fuel; intermediate values represent intermediate degrees of weathering.

The middle distillate present in NAPL sample MW-29 exhibited values of n-C_{17}/pristane at 0.77 and n-C_{18}/phytane at 0.86 as intermediate degrees of weathering taken place.

Conclusions

The recent chemical fingerprinting conducted on the MW-29 non-aqueous phase liquid (NAPL) sample collected from the HF Sinclair property, located in Artesia, New Mexico allows for the following conclusions:

- The MW-29 NAPL sample contained a mixture of automotive gasoline and middle distillate fuel.
- NAPL sample MW-29 is middle distillate dominant (89%) to gasoline minor (11%). No heavier range petroleum is present in the NAPL sample.

- The gasoline component present exhibited blending characteristics consistent with modern, complex (alkylated) gasoline. Multiple metrics reflecting refining characteristics indicate the comingling of fuels onsite makes comparing the type/blend of unleaded gasoline present difficult.

- The middle distillate present in NAPL sample MW-29 has been impacted by only intermediate degrees of weathering.

- Organic Lead and PAH analysis was not requested for this NAPL sample.

Please do not hesitate to contact me if you have any questions regarding this letter.

Sincerely,

Ted Healey
Senior Scientist

Table 1. Sample Table

Client ID	Alpha ID	Matrix	Date Collected	Date Received	Dual Whole Oil Fingerprint 8015M/8270M GC/FID/MS	Standard Volatiles 8260	PIANO Volatiles 8260M	Specic Gravity
MW-29	L2466430-01	NAPL	11/7/2024	11/13/2024	X	X	X	X

Table 2. PIANO Volatiles Target Analyte List.

Abbr.	Analytes	Abbr.	Analytes
IP	Isopentane	C8	Octane
1P	1-Pentene	12DBE	1,2-Dibromoethane
2M1B	2-Methyl-1-butene	EB	Ethylbenzene
C5	Pentane	2ETHIO	2-Ethylthiophene
T2P	2-Pentene (trans)	MPX	p/m-Xylene
C2P	2-Pentene (cis)	1N	1-Nonene
TBA	Tertiary butanol	C9	Nonane
CYP	Cyclopentane	STY	Styrene
23DMB	2,3-Dimethylbutane	OX	o-Xylene
2MP	2-Methylpentane	IPB	Isopropylbenzene
MTBE	MTBE	PROPB	n-Propylbenzene
3MP	3-Methylpentane	1M3EB	1-Methyl-3-ethylbenzene
1HEX	1-Hexene	1M4EB	1-Methyl-4-ethylbenzene
C6	Hexane	135TMB	1,3,5-Trimethylbenzene
DIPE	Diisopropyl Ether	1D	1-Decene
ETBE	Ethyl Tertiary Butyl Ether	1M2EB	1-Methyl-2-ethylbenzene
22DMP	2,2-Dimethylpentane	C10	Decane
MCYP	Methylcyclopentane	124TMB	1,2,4-Trimethylbenzene
24DMP	2,4-Dimethylpentane	SECBUT	sec-Butylbenzene
12DCA	1,2-Dichloroethane	1M3IPB	1-Methyl-3-isopropylbenzene
CH	Cyclohexane	1M4IPB	1-Methyl-4-isopropylbenzene
2MH	2-Methylhexane	1M2IPB	1-Methyl-2-isopropylbenzene
B	Benzene	IN	Indan
23DMP	2,3-Dimethylpentane	1M3PB	1-Methyl-3-propylbenzene
THIO	Thiophene	1M4PB	1-Methyl-4-propylbenzene
3MH	3-Methylhexane	BUTB	n-Butylbenzene
TAME	TAME	12DM4EB	1,2-Dimethyl-4-ethylbenzene
1H	1-Heptene/1,2-DMCP (trans)	12DEB	1,2-Diethylbenzene
ISO	Isooctane	1M2PB	1-Methyl-2-propylbenzene
C7	Heptane	14DM2EB	1,4-Dimethyl-2-ethylbenzene
MCYH	Methylcyclohexane	C11	Undecane
25DMH	2,5-Dimethylhexane	13DM4EB	1,3-Dimethyl-4-ethylbenzene
24DMH	2,4-Dimethylhexane	13DM5EB	1,3-Dimethyl-5-ethylbenzene
223TMP	2,2,3-Trimethylpentane	13DM2EB	1,3-Dimethyl-2-ethylbenzene
234TMP	2,3,4-Trimethylpentane	12DM3EB	1,2-Dimethyl-3-ethylbenzene
233TMP	2,3,3-Trimethylpentane	1245TMP	1,2,4,5-Tetramethylbenzene
23DMH	2,3-Dimethylhexane	PENTB	Pentylbenzene
3EH	3-Ethylhexane	C12	Dodecane
2MHEP	2-Methylheptane	N0	Naphthalene
3MHEP	3-Methylheptane	BT0	Benzothiophene
T	Toluene	MMT	MMT
2MTHIO	2-Methylthiophene	C13	Tridecane
3MTHIO	3-Methylthiophene	2MN	2-Methylnaphthalene
1O	1-Octene	1MN	1-Methylnaphthalene

Table 3. Volatiles Target Analyte List.

Abbr.	Analytes	Abbr.	Analytes
DCM	METHYLENE CHLORIDE	13DCB	1,3-DICHLOROBENZENE
11DCA	1,1-DICHLOROETHANE	14DCB	1,4-DICHLOROBENZENE
CF	CHLOROFORM	MTBE	METHYL TERT BUTYL ETHER
CT	CARBON TETRACHLORIDE	MPX	P/M-XYLENE
12DCP	1,2-DICHLOROPROPANE	OX	O-XYLENE
DBCM	DIBROMOCHLOROMETHANE	C12DCE	CIS-1,2-DICHLOROETHENE
112TCA	1,1,2-TRICHLOROETHANE	123TCP	1,2,3-TRICHLOROPROPANE
PCE	TETRACHLOROETHENE	STY	STYRENE
CB	CHLOROBENZENE	DCFM	DICHLORODIFLUOROMETHANE
TCTFM	TRICHLOROFLUOROMETHANE	ACE	ACETONE
12DCA	1,2-DICHLOROETHANE	MEK	2-BUTANONE
111TCA	1,1,1-TRICHLOROETHANE	MIBK	4-METHYL-2-PENTANONE
BDCM	BROMODICHLOROMETHANE	THF	TETRAHYDROFURAN
T13DCP	TRANS-1,3-DICHLOROPROPENE	12DBE	1,2-DIBROMOETHANE
C13DCP	CIS-1,3-DICHLOROPROPENE	1112PCA	1,1,1,2-TETRACHLOROETHANE
BF	BROMOFORM	BUTB	N-BUTYLBENZENE
1122PCA	1,1,2,2-TETRACHLOROETHANE	TBB	TERT-BUTYLBENZENE
B	BENZENE	2CT	O-CHLOROTOLUENE
T	TOLUENE	HCB	HEXACHLOROBUTADIENE
EB	ETHYLBENZENE	IPB	ISOPROPYLBENZENE
BM	BROMOMETHANE		P-ISOPROPYLTOLUENE
VC	VINYL CHLORIDE	N0	NAPHTHALENE
CE	CHLOROETHANE	PROPB	N-PROPYLBENZENE
11DCE	1,1-DICHLOROETHENE	124TCB	1,2,4-TRICHLOROBENZENE
T12DCE	TRANS-1,2-DICHLOROETHENE	135TMB	1,3,5-TRIMETHYLBENZENE
TCE	TRICHLOROETHENE	124TMB	1,2,4-TRIMETHYLBENZENE
12DCB	1,2-DICHLOROBENZENE	DIE	ETHYL ETHER

Table 4. Sample Summary Bulk Properties

NAPL concentrations (ppm-oil)

	MW-29
	L2466430-01
	NAPL
Bulk Properties	
% Gasoline	11
% Diesel	89
Middle Distillate Weathering	
C17/Pr	0.77
C18/Ph	0.86
Specific Gravity	0.85
Wt% Total VOCs Detected	4.29
Wt% Paraffins	1.33
Wt% Isoparaffins	0.45
Wt% Aromatics	2.29
Wt% Naphthenes	0.16
Wt% Olefins	0
Wt% Oxygenates	0
Individual Compound Concentrations (ppm)	
Isopentane	28
MTBE	0
Benzene	0
Toluene	7
Ethyl-Benzene	227
m/p-Xylenes	752
o-Xylene	45
Iso-octane	246
Gasoline Refining Characteristics	
Alkylate Type: %ISO (of total TMPs)	46
Reformate A - EB/SC2B	0.22
Reformate B - 1M3EB/(1M3EB+124TMB)	0.16
Reformate C - 135TMB/124TMB	0.18
Isomerate A - iC5/(iC5+nC5)	100
Isomerate B - 2mP/(2mP+3mP)	38
Gasoline Weathering Characteristics	
Evaporation A - nC7/(nC5+nC7)	100
Evaporation B - %nC8+	52
Water-washing A - CH/(CH+B)	100
Water-washing B - MCH/(MCH+T)	99
Water-washing C - (E+X)/(BTEX)	99
Water-washing D - (B+T)/(E+X)	0.01

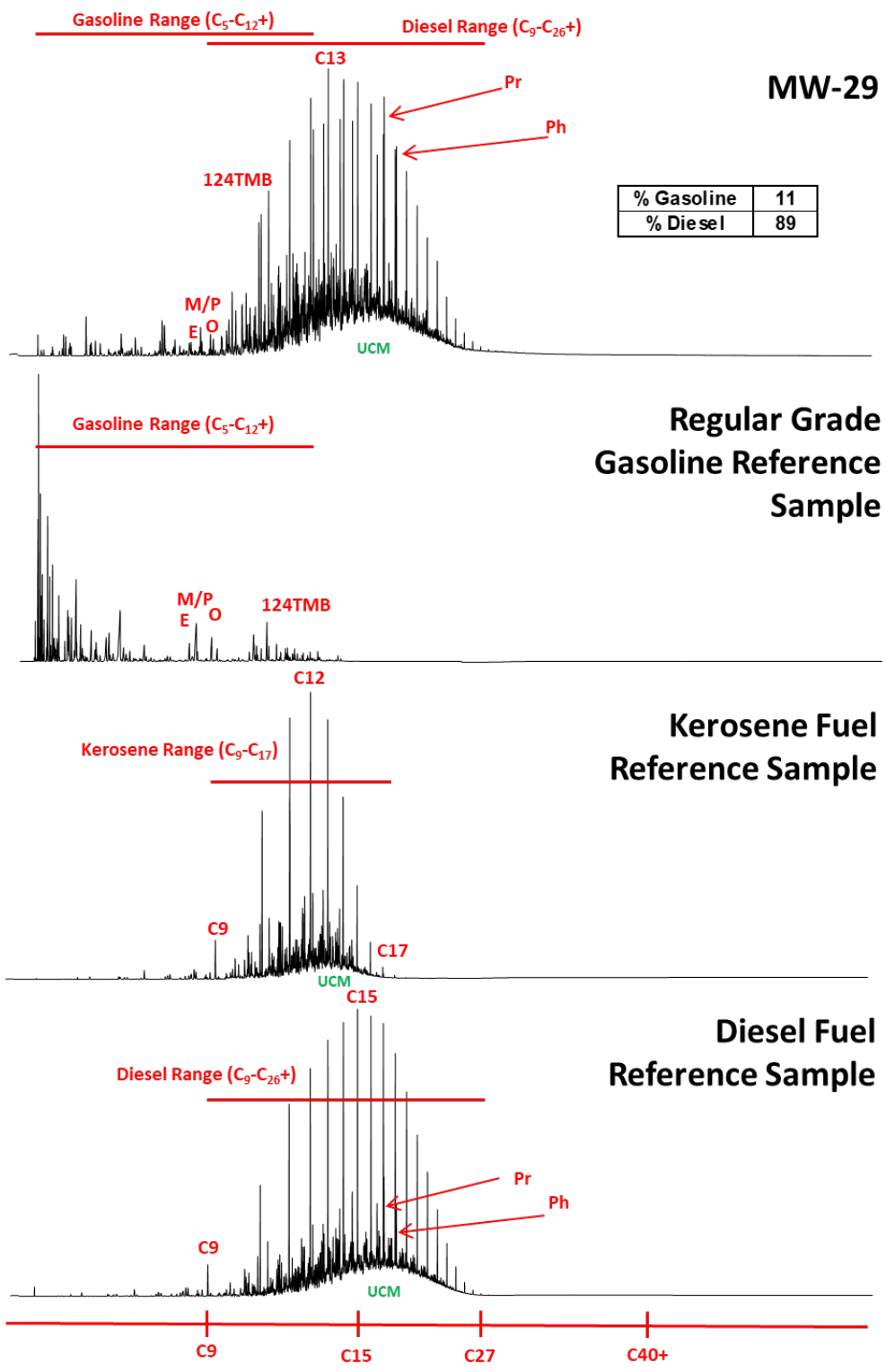
Gasoline Range (C5-C12+)
Diesel Range (C9-C26+)
C13
Pr
Ph
124TMB
M/P
E
O
UCM
MW-29
% Gasoline 11
% Diesel 89
Gasoline Range (C5-C12+)
M/P
E
O
124TMB
Regular Grade Gasoline Reference Sample
C12
Kerosene Range (C9-C17)
C9
C17
UCM
Kerosene Fuel Reference Sample
C15
Diesel Range (C9-C26+)
Pr
Ph
C9
UCM
Diesel Fuel Reference Sample
C9
C15
C27
C40+

Figure 1. Whole Oil GC/FID chromatograms of NAPL sample MW-29 and Laboratory Reference Samples

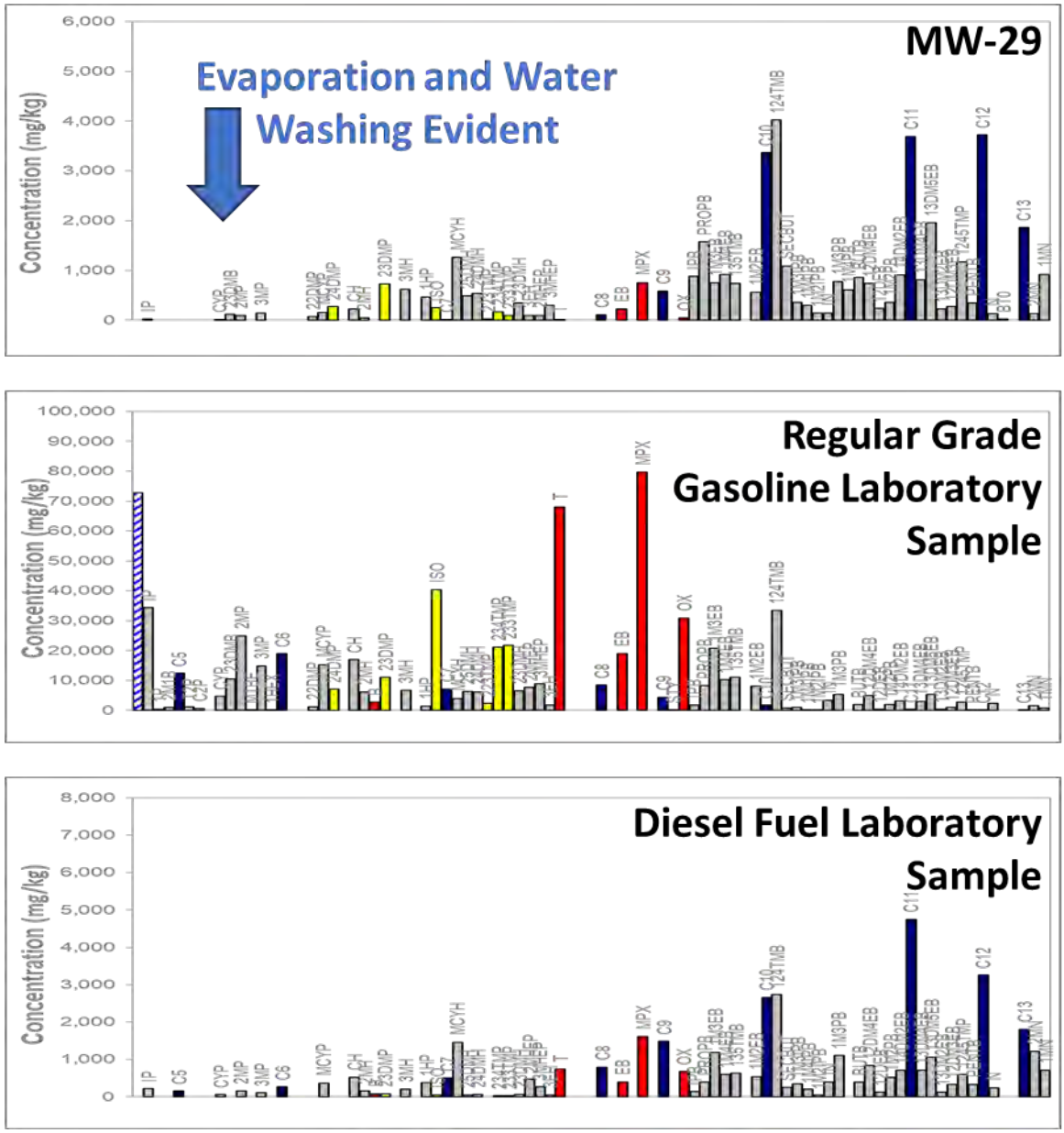

Figure 2. PIANO Volatiles Histograms of NAPL sample MW-29, regular grade gasoline and diesel fuel laboratory reference samples.

Key code: Blue – normal alkanes; Red – BTEX compounds, Yellow – branched alkane compounds, Blue hatching - Ethanol

Attachment

ANALYTICAL REPORT

Lab Number:	L2466430
Client:	NewFields 300 Ledgewood Place Suite 205 Rockland, MA 02370
ATTN:	Ted Healey
Phone:	(781) 264-4950
Project Name:	HFSNR ARTESIA REFINERY
Project Number:	584353
Report Date:	12/06/24

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

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Received by OCD: 6/12/2025 1:19:15 PM

Project Name: HFSNR ARTESIA REFINERY
Project Number: 584353

Lab Number: L2466430
Report Date: 12/06/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2466430-01	MW-29	OIL	Not Specified	11/07/24 16:00	11/13/24

Released to Imaging: 6/17/2025 4:41:11 PM

Project Name:	HFSNR ARTESIA REFINERY	**Lab Number:**	L2466430
Project Number:	584353	**Report Date:**	12/06/24

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: HFSNR ARTESIA REFINERY
Project Number: 584353
Lab Number: L2466430
Report Date: 12/06/24

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

L2466430-01D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2466430-01D2: The sample was re-analyzed on dilution in order to quantitate the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.

The WG2000707-22 Method Blank, associated with L2466430-01D, has concentrations below the reporting limits and "J" qualified. Associated field sample results are "B" qualified if the concentrations are less than 10x the concentrations in the blank.

The WG2000707-6 Method Blank, associated with L2466430-01D2, has concentrations below the reporting limits and "J" qualified. Associated field sample results are "B" qualified if the concentrations are less than 10x the concentrations in the blank.

WG2000707-7D: The relative percent difference for undecane (39%), dodecane (c12) (57%) and tridecane (34%) is above the RPD limit of 30%. These compounds represent less than 10% of the compounds detected; therefore no further action was taken.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Susan E O'Neil Susan O' Neil

Title: Technical Director/Representative Date: 12/06/24

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ORGANICS

VOLATILES

Project Name: HFSNR ARTESIA REFINERY
Lab Number: L2466430
Project Number: 584353
Report Date: 12/06/24

SAMPLE RESULTS

Lab ID: L2466430-01 D2
Client ID: MW-29
Sample Location: Not Specified
Date Collected: 11/07/24 16:00
Date Received: 11/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Oil
Analytical Method: 1,8260D
Analytical Date: 12/06/24 12:34
Analyst: LAC
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	24000	11000	10
1,1-Dichloroethane	ND		ug/kg	4700	680	10
Chloroform	ND		ug/kg	7100	660	10
Carbon tetrachloride	ND		ug/kg	4700	1100	10
1,2-Dichloropropane	ND		ug/kg	4700	590	10
Dibromochloromethane	ND		ug/kg	4700	660	10
1,1,2-Trichloroethane	ND		ug/kg	4700	1200	10
Tetrachloroethene	ND		ug/kg	2400	920	10
Chlorobenzene	ND		ug/kg	2400	600	10
Trichlorofluoromethane	ND		ug/kg	19000	3300	10
1,2-Dichloroethane	ND		ug/kg	4700	1200	10
1,1,1-Trichloroethane	ND		ug/kg	2400	790	10
Bromodichloromethane	ND		ug/kg	2400	510	10
trans-1,3-Dichloropropene	ND		ug/kg	4700	1300	10
cis-1,3-Dichloropropene	ND		ug/kg	2400	740	10
1,3-Dichloropropene, Total	ND		ug/kg	2400	740	10
1,1-Dichloropropene	ND		ug/kg	2400	750	10
Bromoform	ND		ug/kg	19000	1200	10
1,1,2,2-Tetrachloroethane	ND		ug/kg	2400	780	10
Benzene	1800	J	ug/kg	2400	780	10
Toluene	5600		ug/kg	4700	2600	10
Ethylbenzene	250000		ug/kg	4700	660	10
Chloromethane	ND		ug/kg	19000	4400	10
Bromomethane	ND		ug/kg	9400	2700	10
Vinyl chloride	ND		ug/kg	4700	1600	10
Chloroethane	ND		ug/kg	9400	2100	10
1,1-Dichloroethene	ND		ug/kg	4700	1100	10
trans-1,2-Dichloroethene	ND		ug/kg	7100	650	10

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Project Name: HFSNR ARTESIA REFINERY
Lab Number: L2466430
Project Number: 584353
Report Date: 12/06/24

SAMPLE RESULTS

Lab ID: L2466430-01 D2
Client ID: MW-29
Sample Location: Not Specified
Date Collected: 11/07/24 16:00
Date Received: 11/13/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/kg	2400	650	10
1,2-Dichlorobenzene	740	J	ug/kg	9400	680	10
1,3-Dichlorobenzene	ND		ug/kg	9400	700	10
1,4-Dichlorobenzene	ND		ug/kg	9400	810	10
Methyl tert butyl ether	ND		ug/kg	9400	950	10
p/m-Xylene	770000		ug/kg	9400	2600	10
o-Xylene	50000		ug/kg	4700	1400	10
Xylenes, Total	820000		ug/kg	4700	1400	10
cis-1,2-Dichloroethene	ND		ug/kg	4700	820	10
1,2-Dichloroethene, Total	ND		ug/kg	4700	650	10
Dibromomethane	ND		ug/kg	9400	1100	10
1,4-Dichlorobutane	ND		ug/kg	47000	1100	10
1,2,3-Trichloropropane	ND		ug/kg	9400	600	10
Styrene	ND		ug/kg	4700	920	10
Dichlorodifluoromethane	ND		ug/kg	47000	4300	10
Acetone	ND		ug/kg	120000	47000	10
Carbon disulfide	ND		ug/kg	47000	21000	10
2-Butanone	ND		ug/kg	47000	10000	10
Vinyl acetate	ND		ug/kg	47000	10000	10
4-Methyl-2-pentanone	ND		ug/kg	47000	6000	10
2-Hexanone	ND		ug/kg	47000	5600	10
Ethyl methacrylate	ND		ug/kg	47000	7400	10
Acrylonitrile	ND		ug/kg	19000	5400	10
Bromochloromethane	ND		ug/kg	9400	970	10
Tetrahydrofuran	ND		ug/kg	19000	7500	10
2,2-Dichloropropane	ND		ug/kg	9400	950	10
1,2-Dibromoethane	ND		ug/kg	4700	1300	10
1,3-Dichloropropane	ND		ug/kg	9400	790	10
1,1,1,2-Tetrachloroethane	ND		ug/kg	2400	620	10
Bromobenzene	ND		ug/kg	9400	680	10
n-Butylbenzene	560000		ug/kg	4700	790	10
sec-Butylbenzene	890000		ug/kg	4700	690	10
tert-Butylbenzene	24000		ug/kg	9400	560	10
o-Chlorotoluene	ND		ug/kg	9400	900	10
p-Chlorotoluene	ND		ug/kg	9400	510	10
1,2-Dibromo-3-chloropropane	ND		ug/kg	14000	4700	10
Hexachlorobutadiene	ND		ug/kg	19000	800	10

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Project Name: HFSNR ARTESIA REFINERY
Lab Number: L2466430
Project Number: 584353
Report Date: 12/06/24

SAMPLE RESULTS

Lab ID: L2466430-01 D2
Client ID: MW-29
Sample Location: Not Specified
Date Collected: 11/07/24 16:00
Date Received: 11/13/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Isopropylbenzene	820000		ug/kg	4700	510	10
p-Isopropyltoluene	210000		ug/kg	4700	510	10
Naphthalene	5200	J	ug/kg	19000	3100	10
n-Propylbenzene	1300000		ug/kg	4700	810	10
1,2,3-Trichlorobenzene	ND		ug/kg	9400	1500	10
1,2,4-Trichlorobenzene	ND		ug/kg	9400	1300	10
1,3,5-Trimethylbenzene	620000		ug/kg	9400	910	10
1,2,4-Trimethylbenzene	2300000	E	ug/kg	9400	1600	10
trans-1,4-Dichloro-2-butene	ND		ug/kg	24000	6700	10
Ethyl ether	ND		ug/kg	9400	1600	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	112		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	93		70-130

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Project Name: HFSNR ARTESIA REFINERY
Lab Number: L2466430
Project Number: 584353
Report Date: 12/06/24

SAMPLE RESULTS

Lab ID: L2466430-01 D2
Client ID: MW-29
Sample Location: Not Specified
Date Collected: 11/07/24 16:00
Date Received: 11/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Oil
Analytical Method: 1,8260D(M)
Analytical Date: 11/21/24 04:34
Analyst: RAY
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PIANO Volatile Organics by GC/MS - Mansfield Lab						
Decane (C10)	3360		mg/kg	85.5	11.6	10
1,2,4-Trimethylbenzene	4020		mg/kg	85.5	8.85	10
Undecane	3690		mg/kg	85.5	9.50	10
Dodecane (C12)	3720		mg/kg	214	28.1	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Dibromofluoromethane	81		70-130
Toluene-d8	85		70-130
4-Bromofluorobenzene	108		70-130

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Project Name: HFSNR ARTESIA REFINERY
Lab Number: L2466430
Project Number: 584353
Report Date: 12/06/24

SAMPLE RESULTS

Lab ID: L2466430-01 D
Client ID: MW-29
Sample Location: Not Specified
Date Collected: 11/07/24 16:00
Date Received: 11/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Oil
Analytical Method: 1,8260D
Analytical Date: 12/06/24 10:39
Analyst: MJV
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	3200000		ug/kg	24000	3900	25

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	96		70-130

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Project Name: HFSNR ARTESIA REFINERY
Lab Number: L2466430
Project Number: 584353
Report Date: 12/06/24

SAMPLE RESULTS

Lab ID: L2466430-01 D
Client ID: MW-29
Sample Location: Not Specified
Date Collected: 11/07/24 16:00
Date Received: 11/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Oil
Analytical Method: 1,8260D(M)
Analytical Date: 11/26/24 20:52
Analyst: RAY
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PIANO Volatile Organics by GC/MS - Mansfield Lab						
Isopentane	27.7	JB	mg/kg	28.5	5.22	3.333
1-Pentene	ND		mg/kg	28.5	5.20	3.333
2-Methyl-1-Butene	ND		mg/kg	28.5	4.43	3.333
Pentane	ND		mg/kg	28.5	8.90	3.333
trans-2-Pentene	ND		mg/kg	28.5	3.85	3.333
cis-2-Pentene	ND		mg/kg	28.5	4.59	3.333
Tertiary Butanol	ND		mg/kg	356	115.	3.333
Cyclopentane	6.93	J	mg/kg	28.5	7.40	3.333
2,3-Dimethylbutane	116		mg/kg	28.5	11.8	3.333
2-Methylpentane	89.9		mg/kg	28.5	7.73	3.333
Methyl tert butyl ether	ND		mg/kg	28.5	5.87	3.333
3-Methylpentane	147		mg/kg	28.5	4.52	3.333
1-Hexene	ND		mg/kg	28.5	4.01	3.333
n-Hexane	ND		mg/kg	28.5	4.69	3.333
Isopropyl Ether	ND		mg/kg	28.5	3.45	3.333
Ethyl-Tert-Butyl-Ether	ND		mg/kg	28.5	4.32	3.333
2,2-Dimethylpentane	72.6		mg/kg	28.5	3.84	3.333
Methylcyclopentane	160		mg/kg	28.5	3.82	3.333
2,4-Dimethylpentane	271		mg/kg	28.5	3.52	3.333
1,2-Dichloroethane	ND		mg/kg	28.5	4.20	3.333
Cyclohexane	221		mg/kg	28.5	3.52	3.333
2-Methylhexane	47.3		mg/kg	28.5	6.64	3.333
Benzene	ND		mg/kg	28.5	4.35	3.333
2,3-Dimethylpentane	729		mg/kg	28.5	3.78	3.333
Thiophene	ND		mg/kg	28.5	4.05	3.333
3-Methylhexane	626		mg/kg	28.5	4.56	3.333
Tertiary-Amyl Methyl Ether	ND		mg/kg	28.5	3.51	3.333
1-Heptene/1,2-DMCP (trans)	460		mg/kg	57.0	8.34	3.333

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Project Name: HFSNR ARTESIA REFINERY
Lab Number: L2466430
Project Number: 584353
Report Date: 12/06/24

SAMPLE RESULTS

Lab ID: L2466430-01 D
Client ID: MW-29
Sample Location: Not Specified
Date Collected: 11/07/24 16:00
Date Received: 11/13/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PIANO Volatile Organics by GC/MS - Mansfield Lab						
Isooctane	246		mg/kg	28.5	3.11	3.333
Heptane	11.0	J	mg/kg	28.5	4.96	3.333
Methylcyclohexane	1260		mg/kg	28.5	3.85	3.333
2,5-Dimethylhexane	494		mg/kg	28.5	4.96	3.333
2,4-Dimethylhexane	536		mg/kg	28.5	3.46	3.333
2,2,3-Trimethylpentane	25.5	J	mg/kg	28.5	4.95	3.333
2,3,4-Trimethylpentane	169		mg/kg	28.5	3.72	3.333
2,3,3-Trimethylpentane	91.3		mg/kg	28.5	5.66	3.333
2,3-Dimethylhexane	345		mg/kg	28.5	6.91	3.333
2-Methylheptane	96.9		mg/kg	28.5	6.60	3.333
3-Methylheptane	95.8		mg/kg	28.5	4.06	3.333
3-Ethylhexane	300		mg/kg	28.5	5.10	3.333
Toluene	7.31	J	mg/kg	28.5	3.86	3.333
2-Methylthiophene	ND		mg/kg	28.5	2.42	3.333
3-Methylthiophene	ND		mg/kg	28.5	3.34	3.333
1-Octene	ND		mg/kg	71.3	4.38	3.333
Octane	101		mg/kg	28.5	3.35	3.333
1,2-Dibromoethane	ND		mg/kg	28.5	4.56	3.333
Ethylbenzene	227		mg/kg	28.5	3.08	3.333
2-Ethylthiophene	ND		mg/kg	28.5	3.12	3.333
p/m-Xylene	752		mg/kg	57.0	5.43	3.333
1-Nonene	ND		mg/kg	71.3	3.85	3.333
Nonane (C9)	586		mg/kg	28.5	4.43	3.333
Styrene	ND		mg/kg	28.5	2.88	3.333
o-Xylene	45.4		mg/kg	28.5	2.98	3.333
Isopropylbenzene	884		mg/kg	28.5	4.76	3.333
n-Propylbenzene	1570		mg/kg	28.5	2.52	3.333
1-Methyl-3-Ethylbenzene	754		mg/kg	28.5	4.50	3.333
1-Methyl-4-Ethylbenzene	914		mg/kg	28.5	4.02	3.333
1,3,5-Trimethylbenzene	740		mg/kg	28.5	3.28	3.333
1-Decene	ND		mg/kg	28.5	3.71	3.333
1-Methyl-2-Ethylbenzene	557		mg/kg	28.5	2.42	3.333
Decane (C10)	2700	E	mg/kg	28.5	3.86	3.333
1,2,4-Trimethylbenzene	3990	E	mg/kg	28.5	2.95	3.333
sec-Butylbenzene	1090		mg/kg	28.5	3.69	3.333
1-Methyl-3-Isopropylbenzene	358		mg/kg	28.5	3.68	3.333
1-Methyl-4-Isopropylbenzene	299		mg/kg	28.5	3.02	3.333

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Project Name: HFSNR ARTESIA REFINERY
Lab Number: L2466430
Project Number: 584353
Report Date: 12/06/24

SAMPLE RESULTS

Lab ID: L2466430-01 D
Client ID: MW-29
Sample Location: Not Specified
Date Collected: 11/07/24 16:00
Date Received: 11/13/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PIANO Volatile Organics by GC/MS - Mansfield Lab						
1-Methyl-2-Isopropylbenzene	139		mg/kg	28.5	3.09	3.333
Indane	146		mg/kg	28.5	1.75	3.333
1-Methyl-3-N-Propylbenzene	772		mg/kg	28.5	2.88	3.333
1-Methyl-4-N-Propylbenzene	607		mg/kg	28.5	3.56	3.333
n-Butylbenzene	863		mg/kg	28.5	2.81	3.333
1,2-Dimethyl-4-Ethylbenzene	738		mg/kg	28.5	3.49	3.333
1,2-Diethylbenzene	233		mg/kg	28.5	4.22	3.333
1-Methyl-2-N-Propylbenzene	362		mg/kg	28.5	3.55	3.333
1,4-Dimethyl-2-Ethylbenzene	910		mg/kg	28.5	2.67	3.333
Undecane	2620	E	mg/kg	28.5	3.16	3.333
1,3-Dimethyl-4-Ethylbenzene	808		mg/kg	28.5	2.76	3.333
1,3-Dimethyl-5-Ethylbenzene	1960		mg/kg	28.5	3.36	3.333
1,3-Dimethyl-2-Ethylbenzene	228		mg/kg	28.5	2.12	3.333
1,2-Dimethyl-3-Ethylbenzene	269		mg/kg	28.5	1.81	3.333
1,2,4,5-Tetramethylbenzene	1170		mg/kg	28.5	2.21	3.333
N-Pentylbenzene	351		mg/kg	28.5	3.55	3.333
Dodecane (C12)	2190	E	mg/kg	71.3	9.37	3.333
Naphthalene	133		mg/kg	28.5	11.9	3.333
Benzothiophene	19.1	J	mg/kg	28.5	15.1	3.333
MMT	ND		mg/kg	71.3	18.4	3.333
Tridecane	1860		mg/kg	71.3	19.8	3.333
2-Methylnaphthalene	126		mg/kg	71.3	18.8	3.333
1-Methylnaphthalene	916		mg/kg	71.3	21.0	3.333

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Dibromofluoromethane	79		70-130
Toluene-d8	82		70-130
4-Bromofluorobenzene	120		70-130

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Project Name: HFSNR ARTESIA REFINERY
Project Number: 584353
Lab Number: L2466430
Report Date: 12/06/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D(M)
Analytical Date: 11/25/24 15:28
Analyst: RAY

Parameter	Result	Qualifier	Units	RL	MDL
PIANO Volatile Organics by GC/MS - Mansfield Lab for sample(s): 01 Batch: WG2000707-22					
Isopentane	4.50	J	mg/kg	10.0	1.83
1-Pentene	ND		mg/kg	10.0	1.82
2-Methyl-1-Butene	ND		mg/kg	10.0	1.56
Pentane	ND		mg/kg	10.0	3.12
trans-2-Pentene	ND		mg/kg	10.0	1.35
cis-2-Pentene	ND		mg/kg	10.0	1.61
Tertiary Butanol	ND		mg/kg	125	40.5
Cyclopentane	ND		mg/kg	10.0	2.60
2,3-Dimethylbutane	ND		mg/kg	10.0	4.13
2-Methylpentane	ND		mg/kg	10.0	2.71
Methyl tert butyl ether	ND		mg/kg	10.0	2.06
3-Methylpentane	ND		mg/kg	10.0	1.58
1-Hexene	ND		mg/kg	10.0	1.40
n-Hexane	ND		mg/kg	10.0	1.64
Isopropyl Ether	ND		mg/kg	10.0	1.21
Ethyl-Tert-Butyl-Ether	ND		mg/kg	10.0	1.52
2,2-Dimethylpentane	ND		mg/kg	10.0	1.34
Methylcyclopentane	ND		mg/kg	10.0	1.34
2,4-Dimethylpentane	ND		mg/kg	10.0	1.24
1,2-Dichloroethane	ND		mg/kg	10.0	1.48
Cyclohexane	ND		mg/kg	10.0	1.24
2-Methylhexane	ND		mg/kg	10.0	2.33
Benzene	ND		mg/kg	10.0	1.52
2,3-Dimethylpentane	ND		mg/kg	10.0	1.32
Thiophene	ND		mg/kg	10.0	1.42
3-Methylhexane	ND		mg/kg	10.0	1.60
Tertiary-Amyl Methyl Ether	ND		mg/kg	10.0	1.23
1-Heptene/1,2-DMCP (trans)	ND		mg/kg	20.0	2.92
Isooctane	ND		mg/kg	10.0	1.09

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Project Name: HFSNR ARTESIA REFINERY
Project Number: 584353
Lab Number: L2466430
Report Date: 12/06/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D(M)
Analytical Date: 11/25/24 15:28
Analyst: RAY

Parameter	Result	Qualifier	Units	RL	MDL
PIANO Volatile Organics by GC/MS - Mansfield Lab for sample(s): 01 Batch: WG2000707-22					
Heptane	ND		mg/kg	10.0	1.74
Methylcyclohexane	ND		mg/kg	10.0	1.35
2,5-Dimethylhexane	ND		mg/kg	10.0	1.74
2,4-Dimethylhexane	ND		mg/kg	10.0	1.22
2,2,3-Trimethylpentane	ND		mg/kg	10.0	1.74
2,3,4-Trimethylpentane	ND		mg/kg	10.0	1.30
2,3,3-Trimethylpentane	ND		mg/kg	10.0	1.98
2,3-Dimethylhexane	ND		mg/kg	10.0	2.42
2-Methylheptane	ND		mg/kg	10.0	2.32
3-Methylheptane	ND		mg/kg	10.0	1.42
3-Ethylhexane	ND		mg/kg	10.0	1.79
Toluene	ND		mg/kg	10.0	1.36
2-Methylthiophene	ND		mg/kg	10.0	0.850
3-Methylthiophene	ND		mg/kg	10.0	1.17
1-Octene	ND		mg/kg	25.0	1.54
Octane	ND		mg/kg	10.0	1.18
1,2-Dibromoethane	ND		mg/kg	10.0	1.60
Ethylbenzene	ND		mg/kg	10.0	1.08
2-Ethylthiophene	ND		mg/kg	10.0	1.10
p/m-Xylene	ND		mg/kg	20.0	1.90
1-Nonene	ND		mg/kg	25.0	1.35
Nonane (C9)	ND		mg/kg	10.0	1.56
Styrene	ND		mg/kg	10.0	1.01
o-Xylene	ND		mg/kg	10.0	1.04
Isopropylbenzene	ND		mg/kg	10.0	1.67
n-Propylbenzene	ND		mg/kg	10.0	0.885
1-Methyl-3-Ethylbenzene	ND		mg/kg	10.0	1.58
1-Methyl-4-Ethylbenzene	ND		mg/kg	10.0	1.41
1,3,5-Trimethylbenzene	ND		mg/kg	10.0	1.15

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Project Name: HFSNR ARTESIA REFINERY
Project Number: 584353
Lab Number: L2466430
Report Date: 12/06/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D(M)
Analytical Date: 11/25/24 15:28
Analyst: RAY

Parameter	Result	Qualifier	Units	RL	MDL
PIANO Volatile Organics by GC/MS - Mansfield Lab for sample(s): 01 Batch: WG2000707-22					
1-Decene	ND		mg/kg	10.0	1.30
1-Methyl-2-Ethylbenzene	ND		mg/kg	10.0	0.850
Decane (C10)	ND		mg/kg	10.0	1.36
1,2,4-Trimethylbenzene	ND		mg/kg	10.0	1.04
sec-Butylbenzene	ND		mg/kg	10.0	1.30
1-Methyl-3-Isopropylbenzene	ND		mg/kg	10.0	1.29
1-Methyl-4-Isopropylbenzene	ND		mg/kg	10.0	1.06
1-Methyl-2-Isopropylbenzene	ND		mg/kg	10.0	1.08
Indane	ND		mg/kg	10.0	0.615
1-Methyl-3-N-Propylbenzene	ND		mg/kg	10.0	1.01
1-Methyl-4-N-Propylbenzene	ND		mg/kg	10.0	1.25
n-Butylbenzene	ND		mg/kg	10.0	0.985
1,2-Dimethyl-4-Ethylbenzene	ND		mg/kg	10.0	1.22
1,2-Diethylbenzene	ND		mg/kg	10.0	1.48
1-Methyl-2-N-Propylbenzene	ND		mg/kg	10.0	1.24
1,4-Dimethyl-2-Ethylbenzene	ND		mg/kg	10.0	0.935
Undecane	ND		mg/kg	10.0	1.11
1,3-Dimethyl-4-Ethylbenzene	ND		mg/kg	10.0	0.970
1,3-Dimethyl-5-Ethylbenzene	ND		mg/kg	10.0	1.18
1,3-Dimethyl-2-Ethylbenzene	ND		mg/kg	10.0	0.745
1,2-Dimethyl-3-Ethylbenzene	ND		mg/kg	10.0	0.635
1,2,4,5-Tetramethylbenzene	ND		mg/kg	10.0	0.775
N-Pentylbenzene	ND		mg/kg	10.0	1.24
Dodecane (C12)	ND		mg/kg	25.0	3.28
Naphthalene	0.615	J	mg/kg	10.0	4.18
Benzothiophene	ND		mg/kg	10.0	5.30
MMT	ND		mg/kg	25.0	6.45
Tridecane	ND		mg/kg	25.0	6.95
2-Methylnaphthalene	1.27	J	mg/kg	25.0	6.60

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Project Name: HFSNR ARTESIA REFINERY
Project Number: 584353
Lab Number: L2466430
Report Date: 12/06/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D(M)
Analytical Date: 11/25/24 15:28
Analyst: RAY

Parameter	Result	Qualifier	Units	RL	MDL
PIANO Volatile Organics by GC/MS - Mansfield Lab for sample(s): 01 Batch: WG2000707-22					
1-Methylnaphthalene	0.750	J	mg/kg	25.0	7.35

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Dibromofluoromethane	84		70-130
Toluene-d8	82		70-130
4-Bromofluorobenzene	105		70-130

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Project Name: HFSNR ARTESIA REFINERY
Project Number: 584353
Lab Number: L2466430
Report Date: 12/06/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D(M)
Analytical Date: 11/19/24 16:09
Analyst: RAY

Parameter	Result	Qualifier	Units	RL	MDL
PIANO Volatile Organics by GC/MS - Mansfield Lab for sample(s): 01 Batch: WG2000707-6					
Isopentane	4.60	J	mg/kg	10.0	1.83
1-Pentene	ND		mg/kg	10.0	1.82
2-Methyl-1-Butene	ND		mg/kg	10.0	1.56
Pentane	ND		mg/kg	10.0	3.12
trans-2-Pentene	ND		mg/kg	10.0	1.35
cis-2-Pentene	ND		mg/kg	10.0	1.61
Tertiary Butanol	ND		mg/kg	125	40.5
Cyclopentane	ND		mg/kg	10.0	2.60
2,3-Dimethylbutane	ND		mg/kg	10.0	4.13
2-Methylpentane	ND		mg/kg	10.0	2.71
Methyl tert butyl ether	ND		mg/kg	10.0	2.06
3-Methylpentane	ND		mg/kg	10.0	1.58
1-Hexene	ND		mg/kg	10.0	1.40
n-Hexane	ND		mg/kg	10.0	1.64
Isopropyl Ether	ND		mg/kg	10.0	1.21
Ethyl-Tert-Butyl-Ether	ND		mg/kg	10.0	1.52
2,2-Dimethylpentane	ND		mg/kg	10.0	1.34
Methylcyclopentane	ND		mg/kg	10.0	1.34
2,4-Dimethylpentane	ND		mg/kg	10.0	1.24
1,2-Dichloroethane	ND		mg/kg	10.0	1.48
Cyclohexane	ND		mg/kg	10.0	1.24
2-Methylhexane	ND		mg/kg	10.0	2.33
Benzene	ND		mg/kg	10.0	1.52
2,3-Dimethylpentane	ND		mg/kg	10.0	1.32
Thiophene	ND		mg/kg	10.0	1.42
3-Methylhexane	ND		mg/kg	10.0	1.60
Tertiary-Amyl Methyl Ether	ND		mg/kg	10.0	1.23
1-Heptene/1,2-DMCP (trans)	ND		mg/kg	20.0	2.92
Isooctane	ND		mg/kg	10.0	1.09

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Project Name: HFSNR ARTESIA REFINERY
Project Number: 584353
Lab Number: L2466430
Report Date: 12/06/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D(M)
Analytical Date: 11/19/24 16:09
Analyst: RAY

Parameter	Result	Qualifier	Units	RL	MDL
PIANO Volatile Organics by GC/MS - Mansfield Lab for sample(s): 01 Batch: WG2000707-6					
Heptane	ND		mg/kg	10.0	1.74
Methylcyclohexane	ND		mg/kg	10.0	1.35
2,5-Dimethylhexane	ND		mg/kg	10.0	1.74
2,4-Dimethylhexane	ND		mg/kg	10.0	1.22
2,2,3-Trimethylpentane	ND		mg/kg	10.0	1.74
2,3,4-Trimethylpentane	ND		mg/kg	10.0	1.30
2,3,3-Trimethylpentane	ND		mg/kg	10.0	1.98
2,3-Dimethylhexane	ND		mg/kg	10.0	2.42
2-Methylheptane	ND		mg/kg	10.0	2.32
3-Methylheptane	ND		mg/kg	10.0	1.42
3-Ethylhexane	ND		mg/kg	10.0	1.79
Toluene	ND		mg/kg	10.0	1.36
2-Methylthiophene	ND		mg/kg	10.0	0.850
3-Methylthiophene	ND		mg/kg	10.0	1.17
1-Octene	ND		mg/kg	25.0	1.54
Octane	ND		mg/kg	10.0	1.18
1,2-Dibromoethane	ND		mg/kg	10.0	1.60
Ethylbenzene	ND		mg/kg	10.0	1.08
2-Ethylthiophene	ND		mg/kg	10.0	1.10
p/m-Xylene	ND		mg/kg	20.0	1.90
1-Nonene	ND		mg/kg	25.0	1.35
Nonane (C9)	ND		mg/kg	10.0	1.56
Styrene	ND		mg/kg	10.0	1.01
o-Xylene	ND		mg/kg	10.0	1.04
Isopropylbenzene	ND		mg/kg	10.0	1.67
n-Propylbenzene	ND		mg/kg	10.0	0.885
1-Methyl-3-Ethylbenzene	ND		mg/kg	10.0	1.58
1-Methyl-4-Ethylbenzene	ND		mg/kg	10.0	1.41
1,3,5-Trimethylbenzene	ND		mg/kg	10.0	1.15

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Project Name: HFSNR ARTESIA REFINERY
Project Number: 584353
Lab Number: L2466430
Report Date: 12/06/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D(M)
Analytical Date: 11/19/24 16:09
Analyst: RAY

Parameter	Result	Qualifier	Units	RL	MDL
PIANO Volatile Organics by GC/MS - Mansfield Lab for sample(s): 01 Batch: WG2000707-6					
1-Decene	ND		mg/kg	10.0	1.30
1-Methyl-2-Ethylbenzene	ND		mg/kg	10.0	0.850
Decane (C10)	ND		mg/kg	10.0	1.36
1,2,4-Trimethylbenzene	ND		mg/kg	10.0	1.04
sec-Butylbenzene	ND		mg/kg	10.0	1.30
1-Methyl-3-Isopropylbenzene	ND		mg/kg	10.0	1.29
1-Methyl-4-Isopropylbenzene	ND		mg/kg	10.0	1.06
1-Methyl-2-Isopropylbenzene	ND		mg/kg	10.0	1.08
Indane	ND		mg/kg	10.0	0.615
1-Methyl-3-N-Propylbenzene	ND		mg/kg	10.0	1.01
1-Methyl-4-N-Propylbenzene	ND		mg/kg	10.0	1.25
n-Butylbenzene	ND		mg/kg	10.0	0.985
1,2-Dimethyl-4-Ethylbenzene	ND		mg/kg	10.0	1.22
1,2-Diethylbenzene	ND		mg/kg	10.0	1.48
1-Methyl-2-N-Propylbenzene	ND		mg/kg	10.0	1.24
1,4-Dimethyl-2-Ethylbenzene	ND		mg/kg	10.0	0.935
Undecane	ND		mg/kg	10.0	1.11
1,3-Dimethyl-4-Ethylbenzene	ND		mg/kg	10.0	0.970
1,3-Dimethyl-5-Ethylbenzene	ND		mg/kg	10.0	1.18
1,3-Dimethyl-2-Ethylbenzene	ND		mg/kg	10.0	0.745
1,2-Dimethyl-3-Ethylbenzene	ND		mg/kg	10.0	0.635
1,2,4,5-Tetramethylbenzene	ND		mg/kg	10.0	0.775
N-Pentylbenzene	ND		mg/kg	10.0	1.24
Dodecane (C12)	ND		mg/kg	25.0	3.28
Naphthalene	0.600	J	mg/kg	10.0	4.18
Benzothiophene	ND		mg/kg	10.0	5.30
MMT	ND		mg/kg	25.0	6.45
Tridecane	ND		mg/kg	25.0	6.95
2-Methylnaphthalene	1.02	J	mg/kg	25.0	6.60

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Project Name: HFSNR ARTESIA REFINERY
Lab Number: L2466430
Project Number: 584353
Report Date: 12/06/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D(M)
Analytical Date: 11/19/24 16:09
Analyst: RAY

Parameter	Result	Qualifier	Units	RL	MDL
PIANO Volatile Organics by GC/MS - Mansfield Lab for sample(s): 01 Batch: WG2000707-6					
1-Methylnaphthalene	0.530	J	mg/kg	25.0	7.35

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Dibromofluoromethane	91		70-130
Toluene-d8	87		70-130
4-Bromofluorobenzene	100		70-130

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Project Name: HFSNR ARTESIA REFINERY
Project Number: 584353
Lab Number: L2466430
Report Date: 12/06/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/06/24 10:00
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG2006201-5					
Methylene chloride	ND		ug/kg	2500	1100
1,1-Dichloroethane	ND		ug/kg	500	72.
Chloroform	77	J	ug/kg	750	70.
Carbon tetrachloride	ND		ug/kg	500	120
1,2-Dichloropropane	ND		ug/kg	500	62.
Dibromochloromethane	ND		ug/kg	500	70.
1,1,2-Trichloroethane	ND		ug/kg	500	130
Tetrachloroethene	ND		ug/kg	250	98.
Chlorobenzene	ND		ug/kg	250	64.
Trichlorofluoromethane	ND		ug/kg	2000	350
1,2-Dichloroethane	ND		ug/kg	500	130
1,1,1-Trichloroethane	ND		ug/kg	250	84.
Bromodichloromethane	ND		ug/kg	250	54.
trans-1,3-Dichloropropene	ND		ug/kg	500	140
cis-1,3-Dichloropropene	ND		ug/kg	250	79.
1,3-Dichloropropene, Total	ND		ug/kg	250	79.
1,1-Dichloropropene	ND		ug/kg	250	80.
Bromoform	ND		ug/kg	2000	120
1,1,2,2-Tetrachloroethane	ND		ug/kg	250	83.
Benzene	ND		ug/kg	250	83.
Toluene	ND		ug/kg	500	270
Ethylbenzene	ND		ug/kg	500	70.
Chloromethane	ND		ug/kg	2000	470
Bromomethane	ND		ug/kg	1000	290
Vinyl chloride	ND		ug/kg	500	170
Chloroethane	ND		ug/kg	1000	230
1,1-Dichloroethene	ND		ug/kg	500	120
trans-1,2-Dichloroethene	ND		ug/kg	750	68.
Trichloroethene	ND		ug/kg	250	68.

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Project Name: HFSNR ARTESIA REFINERY
Project Number: 584353
Lab Number: L2466430
Report Date: 12/06/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/06/24 10:00
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG2006201-5					
1,2-Dichlorobenzene	ND		ug/kg	1000	72.
1,3-Dichlorobenzene	ND		ug/kg	1000	74.
1,4-Dichlorobenzene	ND		ug/kg	1000	86.
Methyl tert butyl ether	ND		ug/kg	1000	100
p/m-Xylene	ND		ug/kg	1000	280
o-Xylene	ND		ug/kg	500	140
Xylenes, Total	ND		ug/kg	500	140
cis-1,2-Dichloroethene	ND		ug/kg	500	88.
1,2-Dichloroethene, Total	ND		ug/kg	500	68.
Dibromomethane	ND		ug/kg	1000	120
1,4-Dichlorobutane	ND		ug/kg	5000	110
1,2,3-Trichloropropane	ND		ug/kg	1000	64.
Styrene	ND		ug/kg	500	98.
Dichlorodifluoromethane	ND		ug/kg	5000	460
Acetone	ND		ug/kg	12000	5000
Carbon disulfide	ND		ug/kg	5000	2300
2-Butanone	ND		ug/kg	5000	1100
Vinyl acetate	ND		ug/kg	5000	1100
4-Methyl-2-pentanone	ND		ug/kg	5000	640
2-Hexanone	ND		ug/kg	5000	590
Ethyl methacrylate	ND		ug/kg	5000	790
Acrylonitrile	ND		ug/kg	2000	580
Bromochloromethane	ND		ug/kg	1000	100
Tetrahydrofuran	ND		ug/kg	2000	800
2,2-Dichloropropane	ND		ug/kg	1000	100
1,2-Dibromoethane	ND		ug/kg	500	140
1,3-Dichloropropane	ND		ug/kg	1000	84.
1,1,1,2-Tetrachloroethane	ND		ug/kg	250	66.
Bromobenzene	ND		ug/kg	1000	72.

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Project Name: HFSNR ARTESIA REFINERY
Project Number: 584353
Lab Number: L2466430
Report Date: 12/06/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/06/24 10:00
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG2006201-5					
n-Butylbenzene	ND		ug/kg	500	84.
sec-Butylbenzene	ND		ug/kg	500	73.
tert-Butylbenzene	ND		ug/kg	1000	59.
o-Chlorotoluene	ND		ug/kg	1000	96.
p-Chlorotoluene	ND		ug/kg	1000	54.
1,2-Dibromo-3-chloropropane	ND		ug/kg	1500	500
Hexachlorobutadiene	ND		ug/kg	2000	84.
Isopropylbenzene	ND		ug/kg	500	54.
p-Isopropyltoluene	ND		ug/kg	500	54.
Naphthalene	ND		ug/kg	2000	320
n-Propylbenzene	ND		ug/kg	500	86.
1,2,3-Trichlorobenzene	ND		ug/kg	1000	160
1,2,4-Trichlorobenzene	ND		ug/kg	1000	140
1,3,5-Trimethylbenzene	ND		ug/kg	1000	96.
1,2,4-Trimethylbenzene	ND		ug/kg	1000	170
trans-1,4-Dichloro-2-butene	ND		ug/kg	2500	710
Ethyl ether	ND		ug/kg	1000	170

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	98		70-130

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Lab Control Sample Analysis

Batch Quality Control

Project Name: HFSNR ARTESIA REFINERY
Project Number: 584353
Lab Number: L2466430
Report Date: 12/06/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
PIANO Volatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01 Batch: WG2000707-19 WG2000707-20								
1-Pentene	62		64		50-130	3		30
Pentane	60		59		50-130	2		30
Tertiary Butanol	89		86		50-130	3		30
Cyclopentane	72		75		50-130	4		30
2-Methylpentane	71		73		50-130	3		30
Methyl tert butyl ether	82		73		50-130	12		30
3-Methylpentane	76		76		50-130	0		30
1-Hexene	81		78		50-130	4		30
n-Hexane	70		70		50-130	0		30
Isopropyl Ether	82		83		50-130	1		30
Ethyl-Tert-Butyl-Ether	79		82		50-130	4		30
Methylcyclopentane	78		79		50-130	1		30
2,4-Dimethylpentane	76		77		50-130	1		30
Cyclohexane	82		82		50-130	0		30
2-Methylhexane	80		82		50-130	2		30
Benzene	85		85		50-130	0		30
2,3-Dimethylpentane	81		82		50-130	1		30
3-Methylhexane	76		78		50-130	3		30
Tertiary-Amyl Methyl Ether	72		74		50-130	3		30
Isooctane	80		81		50-130	1		30
Heptane	83		85		50-130	2		30
Methylcyclohexane	77		77		50-130	0		30
2-Methylheptane	85		86		50-130	1		30

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Lab Control Sample Analysis

Batch Quality Control

Project Name: HFSNR ARTESIA REFINERY
Project Number: 584353
Lab Number: L2466430
Report Date: 12/06/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
PIANO Volatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01 Batch: WG2000707-19 WG2000707-20								
3-Methylheptane	85		86		50-130	1		30
Toluene	88		88		50-130	0		30
Octane	87		88		50-130	1		30
Ethylbenzene	87		86		50-130	1		30
p/m-Xylene	94		95		50-130	1		30
Nonane (C9)	74		76		50-130	3		30
o-Xylene	94		94		50-130	0		30
Isopropylbenzene	94		93		50-130	1		30
n-Propylbenzene	95		94		50-130	1		30
1-Methyl-3-Ethylbenzene	94		92		50-130	2		30
1-Methyl-4-Ethylbenzene	101		98		50-130	3		30
1,3,5-Trimethylbenzene	94		94		50-130	0		30
1-Decene	71		72		50-130	1		30
1-Methyl-2-Ethylbenzene	94		92		50-130	2		30
Decane (C10)	82		81		50-130	1		30
1,2,4-Trimethylbenzene	90		90		50-130	0		30
sec-Butylbenzene	96		95		50-130	1		30
1-Methyl-4-N-Propylbenzene	83		83		50-130	0		30
n-Butylbenzene	91		91		50-130	0		30
1,2-Diethylbenzene	91		91		50-130	0		30
Undecane	83		84		50-130	1		30
N-Pentylbenzene	90		90		50-130	0		30
Dodecane (C12)	104		105		50-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: HFSNR ARTESIA REFINERY
Project Number: 584353
Lab Number: L2466430
Report Date: 12/06/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
PIANO Volatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01 Batch: WG2000707-19 WG2000707-20								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Dibromofluoromethane	84		83		70-130
Toluene-d8	84		84		70-130
4-Bromofluorobenzene	111		109		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: HFSNR ARTESIA REFINERY
Project Number: 584353
Lab Number: L2466430
Report Date: 12/06/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
PIANO Volatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01 Batch: WG2000707-3 WG2000707-4								
1-Pentene	72		72		50-130	0		30
Pentane	73		74		50-130	1		30
Tertiary Butanol	111		113		50-130	2		30
Cyclopentane	81		80		50-130	1		30
2-Methylpentane	87		85		50-130	2		30
Methyl tert butyl ether	96		95		50-130	1		30
3-Methylpentane	90		89		50-130	1		30
1-Hexene	89		90		50-130	1		30
n-Hexane	83		85		50-130	2		30
Isopropyl Ether	95		97		50-130	2		30
Ethyl-Tert-Butyl-Ether	92		93		50-130	1		30
Methylcyclopentane	88		90		50-130	2		30
2,4-Dimethylpentane	92		93		50-130	1		30
Cyclohexane	89		89		50-130	0		30
2-Methylhexane	94		93		50-130	1		30
Benzene	96		97		50-130	1		30
2,3-Dimethylpentane	97		96		50-130	1		30
3-Methylhexane	90		88		50-130	2		30
Tertiary-Amyl Methyl Ether	85		82		50-130	4		30
Isooctane	91		91		50-130	0		30
Heptane	94		93		50-130	1		30
Methylcyclohexane	87		87		50-130	0		30
2-Methylheptane	91		90		50-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: HFSNR ARTESIA REFINERY
Project Number: 584353
Lab Number: L2466430
Report Date: 12/06/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
PIANO Volatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01 Batch: WG2000707-3 WG2000707-4								
3-Methylheptane	94		94		50-130	0		30
Toluene	93		93		50-130	0		30
Octane	92		94		50-130	2		30
Ethylbenzene	88		88		50-130	0		30
p/m-Xylene	94		94		50-130	0		30
Nonane (C9)	80		81		50-130	1		30
o-Xylene	93		93		50-130	0		30
Isopropylbenzene	93		93		50-130	0		30
n-Propylbenzene	92		93		50-130	1		30
1-Methyl-3-Ethylbenzene	91		92		50-130	1		30
1-Methyl-4-Ethylbenzene	97		97		50-130	0		30
1,3,5-Trimethylbenzene	93		94		50-130	1		30
1-Decene	78		77		50-130	1		30
1-Methyl-2-Ethylbenzene	92		94		50-130	2		30
Decane (C10)	94		93		50-130	1		30
1,2,4-Trimethylbenzene	90		90		50-130	0		30
sec-Butylbenzene	94		95		50-130	1		30
1-Methyl-4-N-Propylbenzene	84		84		50-130	0		30
n-Butylbenzene	90		90		50-130	0		30
1,2-Diethylbenzene	90		92		50-130	2		30
Undecane	90		89		50-130	1		30
N-Pentylbenzene	89		92		50-130	3		30
Dodecane (C12)	107		108		50-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: HFSNR ARTESIA REFINERY
Project Number: 584353

Lab Number: L2466430
Report Date: 12/06/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
PIANO Volatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01 Batch: WG2000707-3 WG2000707-4								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Dibromofluoromethane	90		91		70-130
Toluene-d8	90		90		70-130
4-Bromofluorobenzene	102		104		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: HFSNR ARTESIA REFINERY
Project Number: 584353
Lab Number: L2466430
Report Date: 12/06/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG2006201-3 WG2006201-4								
Methylene chloride	91		92		70-130	1		30
1,1-Dichloroethane	100		102		70-130	2		30
Chloroform	94		94		70-130	0		30
Carbon tetrachloride	88		90		70-130	2		30
1,2-Dichloropropane	102		107		70-130	5		30
Dibromochloromethane	89		92		70-130	3		30
1,1,2-Trichloroethane	94		95		70-130	1		30
Tetrachloroethene	97		94		70-130	3		30
Chlorobenzene	93		91		70-130	2		30
Trichlorofluoromethane	95		96		70-139	1		30
1,2-Dichloroethane	92		95		70-130	3		30
1,1,1-Trichloroethane	86		89		70-130	3		30
Bromodichloromethane	90		95		70-130	5		30
trans-1,3-Dichloropropene	85		89		70-130	5		30
cis-1,3-Dichloropropene	93		98		70-130	5		30
1,1-Dichloropropene	101		101		70-130	0		30
Bromoform	76		83		70-130	9		30
1,1,2,2-Tetrachloroethane	93		95		70-130	2		30
Benzene	98		100		70-130	2		30
Toluene	92		92		70-130	0		30
Ethylbenzene	97		94		70-130	3		30
Chloromethane	111		106		52-130	5		30
Bromomethane	99		107		57-147	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: HFSNR ARTESIA REFINERY
Project Number: 584353

Lab Number: L2466430
Report Date: 12/06/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG2006201-3 WG2006201-4								
Vinyl chloride	110		106		67-130	4		30
Chloroethane	103		106		50-151	3		30
1,1-Dichloroethene	98		98		65-135	0		30
trans-1,2-Dichloroethene	97		98		70-130	1		30
Trichloroethene	95		97		70-130	2		30
1,2-Dichlorobenzene	93		93		70-130	0		30
1,3-Dichlorobenzene	94		93		70-130	1		30
1,4-Dichlorobenzene	94		94		70-130	0		30
Methyl tert butyl ether	84		88		66-130	5		30
p/m-Xylene	95		92		70-130	3		30
o-Xylene	92		90		70-130	2		30
cis-1,2-Dichloroethene	94		95		70-130	1		30
Dibromomethane	89		92		70-130	3		30
1,4-Dichlorobutane	100		104		70-130	4		30
1,2,3-Trichloropropane	92		96		68-130	4		30
Styrene	95		92		70-130	3		30
Dichlorodifluoromethane	90		86		30-146	5		30
Acetone	82		87		54-140	6		30
Carbon disulfide	88		88		59-130	0		30
2-Butanone	90		96		70-130	6		30
Vinyl acetate	102		107		70-130	5		30
4-Methyl-2-pentanone	95		97		70-130	2		30
2-Hexanone	82		86		70-130	5		30

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Lab Control Sample Analysis

Batch Quality Control

Project Name: HFSNR ARTESIA REFINERY
Project Number: 584353
Lab Number: L2466430
Report Date: 12/06/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG2006201-3 WG2006201-4								
Ethyl methacrylate	90		93		70-130	3		30
Acrylonitrile	112		115		70-130	3		30
Bromochloromethane	90		94		70-130	4		30
Tetrahydrofuran	92		96		66-130	4		30
2,2-Dichloropropane	78		81		70-130	4		30
1,2-Dibromoethane	87		89		70-130	2		30
1,3-Dichloropropane	95		96		69-130	1		30
1,1,1,2-Tetrachloroethane	89		90		70-130	1		30
Bromobenzene	90		90		70-130	0		30
n-Butylbenzene	98		98		70-130	0		30
sec-Butylbenzene	98		97		70-130	1		30
tert-Butylbenzene	94		92		70-130	2		30
o-Chlorotoluene	95		92		70-130	3		30
p-Chlorotoluene	96		94		70-130	2		30
1,2-Dibromo-3-chloropropane	77		85		68-130	10		30
Hexachlorobutadiene	106		105		67-130	1		30
Isopropylbenzene	95		95		70-130	0		30
p-Isopropyltoluene	97		96		70-130	1		30
Naphthalene	102		105		70-130	3		30
n-Propylbenzene	99		98		70-130	1		30
1,2,3-Trichlorobenzene	100		101		70-130	1		30
1,2,4-Trichlorobenzene	113		114		70-130	1		30
1,3,5-Trimethylbenzene	96		93		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: HFSNR ARTESIA REFINERY
Project Number: 584353

Lab Number: L2466430
Report Date: 12/06/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG2006201-3 WG2006201-4								
1,2,4-Trimethylbenzene	94		94		70-130	0		30
trans-1,4-Dichloro-2-butene	94		97		70-130	3		30
Ethyl ether	104		106		67-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		99		70-130
Toluene-d8	102		102		70-130
4-Bromofluorobenzene	100		101		70-130
Dibromofluoromethane	99		100		70-130

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Lab Duplicate Analysis
Batch Quality Control

Project Name: HFSNR ARTESIA REFINERY
Project Number: 584353

Lab Number: L2466430
Report Date: 12/06/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
PIANO Volatile Organics by GC/MS - Mansfield Lab	Associated sample(s): 01	QC Batch ID: WG2000707-7		QC Sample: L2466430-01		Client ID: MW-29
Decane (C10)	3360	3960	mg/kg	16		30
1,2,4-Trimethylbenzene	4020	4540	mg/kg	12		30
Undecane	3690	4400	mg/kg	18		30
Dodecane (C12)	3720	4430	mg/kg	17		30

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Dibromofluoromethane	81		86		70-130
Toluene-d8	85		85		70-130
4-Bromofluorobenzene	108		112		70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: HFSNR ARTESIA REFINERY
Project Number: 584353

Lab Number: L2466430
Report Date: 12/06/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
PIANO Volatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG2000707-7 QC Sample: L2466430-01 Client ID: MW-29						
Isopentane	27.7JB	21.9JB	mg/kg	NC		30
1-Pentene	ND	ND	mg/kg	NC		30
2-Methyl-1-Butene	ND	ND	mg/kg	NC		30
Pentane	ND	ND	mg/kg	NC		30
trans-2-Pentene	ND	ND	mg/kg	NC		30
cis-2-Pentene	ND	ND	mg/kg	NC		30
Tertiary Butanol	ND	ND	mg/kg	NC		30
Cyclopentane	6.93J	7.38J	mg/kg	NC		30
2,3-Dimethylbutane	116	127	mg/kg	9		30
2-Methylpentane	89.9	89.8	mg/kg	0		30
Methyl tert butyl ether	ND	ND	mg/kg	NC		30
3-Methylpentane	147	155	mg/kg	5		30
1-Hexene	ND	ND	mg/kg	NC		30
n-Hexane	ND	ND	mg/kg	NC		30
Isopropyl Ether	ND	ND	mg/kg	NC		30
Ethyl-Tert-Butyl-Ether	ND	ND	mg/kg	NC		30
2,2-Dimethylpentane	72.6	76.2	mg/kg	5		30
Methylcyclopentane	160	166	mg/kg	4		30
2,4-Dimethylpentane	271	271	mg/kg	0		30
1,2-Dichloroethane	ND	ND	mg/kg	NC		30
Cyclohexane	221	238	mg/kg	7		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: HFSNR ARTESIA REFINERY
Project Number: 584353

Lab Number: L2466430
Report Date: 12/06/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
PIANO Volatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG2000707-7 QC Sample: L2466430-01 Client ID: MW-29						
2-Methylhexane	47.3	46.3	mg/kg	2		30
Benzene	ND	1.69J	mg/kg	NC		30
2,3-Dimethylpentane	729	742	mg/kg	2		30
Thiophene	ND	ND	mg/kg	NC		30
3-Methylhexane	626	639	mg/kg	2		30
Tertiary-Amyl Methyl Ether	ND	ND	mg/kg	NC		30
1-Heptene/1,2-DMCP (trans)	460	467	mg/kg	2		30
Isooctane	246	254	mg/kg	3		30
Heptane	11.0J	11.4J	mg/kg	NC		30
Methylcyclohexane	1260	1330	mg/kg	5		30
2,5-Dimethylhexane	494	538	mg/kg	9		30
2,4-Dimethylhexane	536	574	mg/kg	7		30
2,2,3-Trimethylpentane	25.5J	25.9J	mg/kg	NC		30
2,3,4-Trimethylpentane	169	178	mg/kg	5		30
2,3,3-Trimethylpentane	91.3	96.5	mg/kg	6		30
2,3-Dimethylhexane	345	370	mg/kg	7		30
2-Methylheptane	96.9	117	mg/kg	19		30
3-Methylheptane	95.8	101	mg/kg	5		30
3-Ethylhexane	300	324	mg/kg	8		30
Toluene	7.31J	7.44J	mg/kg	NC		30
2-Methylthiophene	ND	ND	mg/kg	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: HFSNR ARTESIA REFINERY
Project Number: 584353

Lab Number: L2466430
Report Date: 12/06/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
PIANO Volatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG2000707-7 QC Sample: L2466430-01 Client ID: MW-29						
3-Methylthiophene	ND	ND	mg/kg	NC		30
1-Octene	ND	ND	mg/kg	NC		30
Octane	101	113	mg/kg	11		30
1,2-Dibromoethane	ND	ND	mg/kg	NC		30
Ethylbenzene	227	236	mg/kg	4		30
2-Ethylthiophene	ND	ND	mg/kg	NC		30
p/m-Xylene	752	797	mg/kg	6		30
1-Nonene	ND	ND	mg/kg	NC		30
Nonane (C9)	586	664	mg/kg	12		30
Styrene	ND	ND	mg/kg	NC		30
o-Xylene	45.4	46.9	mg/kg	3		30
Isopropylbenzene	884	948	mg/kg	7		30
n-Propylbenzene	1570	1650	mg/kg	5		30
1-Methyl-3-Ethylbenzene	754	817	mg/kg	8		30
1-Methyl-4-Ethylbenzene	914	991	mg/kg	8		30
1,3,5-Trimethylbenzene	740	809	mg/kg	9		30
1-Decene	ND	ND	mg/kg	NC		30
1-Methyl-2-Ethylbenzene	557	596	mg/kg	7		30
Decane (C10)	2700E	3270E	mg/kg	19		30
1,2,4-Trimethylbenzene	3990E	4230E	mg/kg	6		30
sec-Butylbenzene	1090	1180	mg/kg	8		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: HFSNR ARTESIA REFINERY
Project Number: 584353

Lab Number: L2466430
Report Date: 12/06/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
PIANO Volatile Organics by GC/MS - Mansfield Lab	Associated sample(s): 01	QC Batch ID: WG2000707-7		QC Sample: L2466430-01		Client ID: MW-29
1-Methyl-3-Isopropylbenzene	358	400	mg/kg	11		30
1-Methyl-4-Isopropylbenzene	299	339	mg/kg	13		30
1-Methyl-2-Isopropylbenzene	139	154	mg/kg	10		30
Indane	146	150	mg/kg	3		30
1-Methyl-3-N-Propylbenzene	772	862	mg/kg	11		30
1-Methyl-4-N-Propylbenzene	607	677	mg/kg	11		30
n-Butylbenzene	863	952	mg/kg	10		30
1,2-Dimethyl-4-Ethylbenzene	738	852	mg/kg	14		30
1,2-Diethylbenzene	233	261	mg/kg	11		30
1-Methyl-2-N-Propylbenzene	362	405	mg/kg	11		30
1,4-Dimethyl-2-Ethylbenzene	910	1040	mg/kg	13		30
Undecane	2620E	3890E	mg/kg	**39**	Q	30
1,3-Dimethyl-4-Ethylbenzene	808	924	mg/kg	13		30
1,3-Dimethyl-5-Ethylbenzene	1960	2260	mg/kg	14		30
1,3-Dimethyl-2-Ethylbenzene	228	266	mg/kg	15		30
1,2-Dimethyl-3-Ethylbenzene	269	312	mg/kg	15		30
1,2,4,5-Tetramethylbenzene	1170	1470	mg/kg	23		30
N-Pentylbenzene	351	450	mg/kg	25		30
Dodecane (C12)	2190E	3940E	mg/kg	**57**	Q	30
Naphthalene	133	145	mg/kg	9		30
Benzothiophene	19.1J	ND	mg/kg	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: HFSNR ARTESIA REFINERY
Project Number: 584353

Lab Number: L2466430
Report Date: 12/06/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
PIANO Volatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG2000707-7 QC Sample: L2466430-01 Client ID: MW-29						
MMT	ND	ND	mg/kg	NC		30
Tridecane	1860	2620	mg/kg	**34**	Q	30
2-Methylnaphthalene	126	145	mg/kg	14		30
1-Methylnaphthalene	916	976	mg/kg	6		30

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Dibromofluoromethane	79		78		70-130
Toluene-d8	82		82		70-130
4-Bromofluorobenzene	120		123		70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: HFSNR ARTESIA REFINERY
Project Number: 584353

Lab Number: L2466430
Report Date: 12/06/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 QC Batch ID: WG2006201-6 QC Sample: L2466430-01 Client ID: MW-29						
Methylene chloride	ND	ND	ug/kg	NC		30
1,1-Dichloroethane	ND	ND	ug/kg	NC		30
Chloroform	ND	ND	ug/kg	NC		30
Carbon tetrachloride	ND	ND	ug/kg	NC		30
1,2-Dichloropropane	ND	ND	ug/kg	NC		30
Dibromochloromethane	ND	ND	ug/kg	NC		30
1,1,2-Trichloroethane	ND	ND	ug/kg	NC		30
Tetrachloroethene	ND	ND	ug/kg	NC		30
Chlorobenzene	ND	ND	ug/kg	NC		30
Trichlorofluoromethane	ND	ND	ug/kg	NC		30
1,2-Dichloroethane	ND	ND	ug/kg	NC		30
1,1,1-Trichloroethane	ND	ND	ug/kg	NC		30
Bromodichloromethane	ND	ND	ug/kg	NC		30
trans-1,3-Dichloropropene	ND	ND	ug/kg	NC		30
cis-1,3-Dichloropropene	ND	ND	ug/kg	NC		30
1,3-Dichloropropene, Total	ND	ND	ug/kg	NC		30
1,1-Dichloropropene	ND	ND	ug/kg	NC		30
Bromoform	ND	ND	ug/kg	NC		30
1,1,2,2-Tetrachloroethane	ND	ND	ug/kg	NC		30
Benzene	1800J	1900J	ug/kg	NC		30
Toluene	5600	5300	ug/kg	5		30

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Lab Duplicate Analysis
Batch Quality Control

Project Name: HFSNR ARTESIA REFINERY
Project Number: 584353

Lab Number: L2466430
Report Date: 12/06/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 QC Batch ID: WG2006201-6 QC Sample: L2466430-01 Client ID: MW-29						
Ethylbenzene	250000	230000	ug/kg	7		30
Chloromethane	ND	ND	ug/kg	NC		30
Bromomethane	ND	ND	ug/kg	NC		30
Vinyl chloride	ND	ND	ug/kg	NC		30
Chloroethane	ND	ND	ug/kg	NC		30
1,1-Dichloroethene	ND	ND	ug/kg	NC		30
trans-1,2-Dichloroethene	ND	ND	ug/kg	NC		30
Trichloroethene	ND	ND	ug/kg	NC		30
1,2-Dichlorobenzene	740J	710J	ug/kg	NC		30
1,3-Dichlorobenzene	ND	ND	ug/kg	NC		30
1,4-Dichlorobenzene	ND	ND	ug/kg	NC		30
Methyl tert butyl ether	ND	ND	ug/kg	NC		30
p/m-Xylene	770000	720000	ug/kg	7		30
o-Xylene	50000	46000	ug/kg	9		30
Xylenes, Total	820000	770000	ug/kg	7		30
cis-1,2-Dichloroethene	ND	ND	ug/kg	NC		30
1,2-Dichloroethene, Total	ND	ND	ug/kg	NC		30
Dibromomethane	ND	ND	ug/kg	NC		30
1,4-Dichlorobutane	ND	ND	ug/kg	NC		30
1,2,3-Trichloropropane	ND	ND	ug/kg	NC		30
Styrene	ND	ND	ug/kg	NC		30

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Lab Duplicate Analysis
Batch Quality Control

Project Name: HFSNR ARTESIA REFINERY
Project Number: 584353

Lab Number: L2466430
Report Date: 12/06/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 QC Batch ID: WG2006201-6 QC Sample: L2466430-01 Client ID: MW-29						
Dichlorodifluoromethane	ND	ND	ug/kg	NC		30
Acetone	ND	ND	ug/kg	NC		30
Carbon disulfide	ND	ND	ug/kg	NC		30
2-Butanone	ND	ND	ug/kg	NC		30
Vinyl acetate	ND	ND	ug/kg	NC		30
4-Methyl-2-pentanone	ND	ND	ug/kg	NC		30
2-Hexanone	ND	ND	ug/kg	NC		30
Ethyl methacrylate	ND	ND	ug/kg	NC		30
Acrylonitrile	ND	ND	ug/kg	NC		30
Bromochloromethane	ND	ND	ug/kg	NC		30
Tetrahydrofuran	ND	ND	ug/kg	NC		30
2,2-Dichloropropane	ND	ND	ug/kg	NC		30
1,2-Dibromoethane	ND	ND	ug/kg	NC		30
1,3-Dichloropropane	ND	ND	ug/kg	NC		30
1,1,1,2-Tetrachloroethane	ND	ND	ug/kg	NC		30
Bromobenzene	ND	ND	ug/kg	NC		30
n-Butylbenzene	560000	520000	ug/kg	7		30
sec-Butylbenzene	890000	890000	ug/kg	0		30
tert-Butylbenzene	24000	24000	ug/kg	0		30
o-Chlorotoluene	ND	ND	ug/kg	NC		30
p-Chlorotoluene	ND	ND	ug/kg	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: HFSNR ARTESIA REFINERY
Project Number: 584353

Lab Number: L2466430
Report Date: 12/06/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 QC Batch ID: WG2006201-6 QC Sample: L2466430-01 Client ID: MW-29						
1,2-Dibromo-3-chloropropane	ND	ND	ug/kg	NC		30
Hexachlorobutadiene	ND	ND	ug/kg	NC		30
Isopropylbenzene	820000	870000	ug/kg	6		30
p-Isopropyltoluene	210000	200000	ug/kg	4		30
Naphthalene	5200J	5400J	ug/kg	NC		30
n-Propylbenzene	1300000	1300000	ug/kg	0		30
1,2,3-Trichlorobenzene	ND	ND	ug/kg	NC		30
1,2,4-Trichlorobenzene	ND	ND	ug/kg	NC		30
1,3,5-Trimethylbenzene	620000	630000	ug/kg	2		30
1,2,4-Trimethylbenzene	3200000	2300000E	ug/kg	1		30
trans-1,4-Dichloro-2-butene	ND	ND	ug/kg	NC		30
Ethyl ether	ND	ND	ug/kg	NC		30

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		119		70-130
Toluene-d8	100		101		70-130
4-Bromofluorobenzene	93		121		70-130
Dibromofluoromethane	96		96		70-130

PETROLEUM HYDROCARBONS

Project Name: HFSNR ARTESIA REFINERY
Lab Number: L2466430
Project Number: 584353
Report Date: 12/06/24

SAMPLE RESULTS

Lab ID: L2466430-01
Client ID: MW-29
Sample Location: Not Specified
Date Collected: 11/07/24 16:00
Date Received: 11/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Oil
Extraction Method: N/A
Analytical Method: 1,8015D(M)
Analytical Date: 11/24/21 00:00
Analyst: AC
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Whole Oil Analysis - Mansfield Lab						
Refer To Case Narrative/Chromatograms			-	-	1.00	1

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Project Name: HFSNR ARTESIA REFINERY
Project Number: 584353

Lab Number: L2466430
Report Date: 12/06/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Present/Intact

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2466430-01A	Vial unpreserved 20ml hard-cap	NA	NA			Y	Present/Intact		A2-WHOLEOIL(365)
L2466430-01B	Vial unpreserved 20ml hard-cap	NA	NA			Y	Present/Intact		A2-WHOLEOIL(365)
L2466430-01C	Vial unpreserved 20ml hard-cap	NA	NA			Y	Present/Intact		A2-NFPIANO8260(365)
L2466430-01D	Vial unpreserved 20ml hard-cap	NA	NA			Y	Present/Intact		A2-NFPIANO8260(365)
L2466430-01E	Vial unpreserved 20ml hard-cap	NA	NA			Y	Present/Intact		8260(14)
L2466430-01F	Vial unpreserved 20ml hard-cap	NA	NA			Y	Present/Intact		8260(14)
L2466430-01X	Vial unpreserved 20ml hard-cap split	NA	NA			Y	Present/Intact		A2-WHOLEOIL(365)
L2466430-01X1	Vial unpreserved 20ml hard-cap	NA	NA			Y	Present/Intact		A2-WHOLEOIL(365)
L2466430-01Y	Vial unpreserved 20ml hard-cap split	NA	NA			Y	Present/Intact		A2-WHOLEOIL(365)
L2466430-01Z	Vial MeOH preserved split	NA	NA			Y	Absent		8260(14)

*Values in parentheses indicate holding time in days

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Project Name: HFSNR ARTESIA REFINERY
Lab Number: L2466430
Project Number: 584353
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GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

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Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

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Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

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Project Name: HFSNR ARTESIA REFINERY
Project Number: 584353
Lab Number: L2466430
Report Date: 12/06/24

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

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Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine, 2,6-Dichlorophenol.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

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Chain of Custody

11/13/24 L2466430

Environmental Forensics Practice LLC

Proj. No	Proj. Name
584353	HFSJR Artesia Refinery

SAMPLERS: Signature

DATE	TIME	LAB ID	CLIENT ID	SAMPLE DESCRIPTION	MATRIX (* see below)	GC-FID-TPH (C_6+)	GCMS-Alkyl PAH	GCMS-Biomarkers	PIANO - VOA	Organic Lead VOCs 8260	METALS Specific Constituents	PCB	Pesticides	PRESERVED	Total Number of Containers
11/7/24	4:00pm		MW-29		O	X		X	X	X	X				6

ANALYSIS REQUESTED → "NUMBER OF CONTAINERS"

Relinquished by:	Date/Time	Received by:	Date/Time
		Fedex	
Relinquished by: Fedex	11/13/24 10:21	Received by:	11/13/24 10:21
Relinquished by:		Received by:	

* O=Oil
SO=Soil
SE=Sediment
T=Tissue
W=Water

Samples to be shipped to: Alpha Laboratory
320 Forbes Blvd.
Mansfield, MA 02048
Tel: (508) 844-4117
Attn: Sue O'Neil

Comments:

Released to Imaging: 6/17/2025 4:41:11 PM

ORIGIN ID:MAFA (432) 241-7158
TINA BAUTISTA
TRC COMPANIES
10 DESTA DRIVE
STE 410E
MIDLAND, TX 79705
UNITED STATES US

SHIP DATE: 12NOV24
ACTWGT: 5.00 LB
CAD: 110323837/INET4535
DIMS: 6x8x10 IN

BILL SENDER

TO SUE O'NEIL
ALPHA LABORATORY
320 FORBES BLVD

MASFIELD MA 02048
(508) 844-4117 REF: 584353.0000
INV:
PO: DEPT:

FedEx Express

WED - 13 NOV 10:30A
PRIORITY OVERNIGHT

TRK# 0201 7799 0009 0223

02048
XE PYMA MA-US BOS

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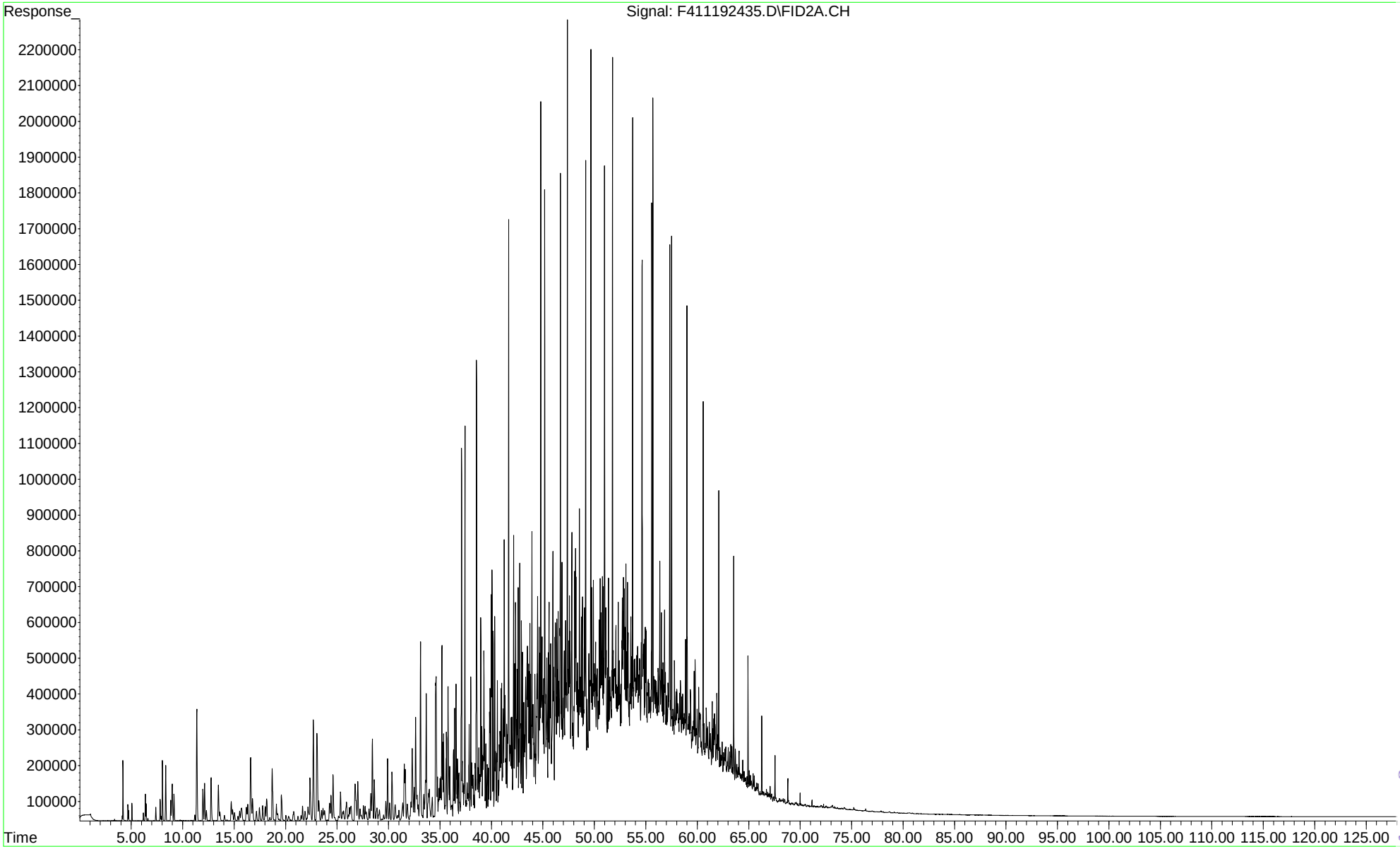
Whole Oil by GC-FID Chromatograms

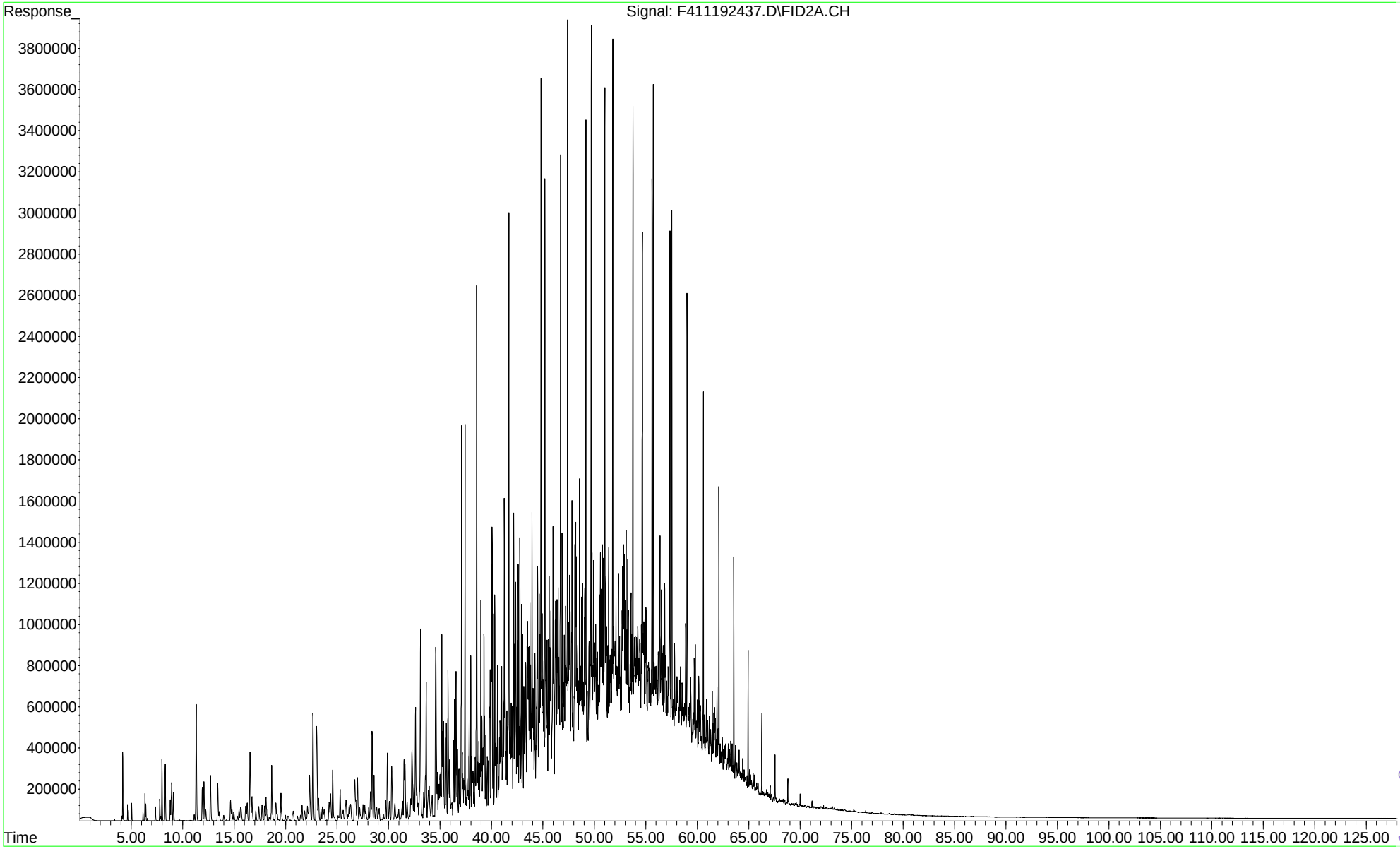
Released to Imaging: 6/17/2025 4:41:11 PM
Received by OCD: 6/12/2025 1:19:15 PM

File :S:\Forensics-NEW\Data\PAH4\2024\Nov24\NOV19.SEC\F411192435.D
Operator : PAH4:AC
Acquired : 22 Nov 2024 11:06 pm using AcqMethod WHOIL4A.M
Instrument : PAH 4
Sample Name: L2466430-01
Misc Info : wg
Vial Number: 68



Released to Imaging: 6/17/2025 4:41:11 PM
Received by OCD: 6/12/2025 1:19:15 PM

File :S:\Forensics-NEW\Data\PAH4\2024\Nov24\NOV19.SEC\F411192437.D
Operator : PAH4:AC
Acquired : 23 Nov 2024 1:41 am using AcqMethod WHOIL4A.M
Instrument : PAH 4
Sample Name: L2466430-01d
Misc Info : wg
Vial Number: 69



Whole Oil Reference Oils

Released to Imaging: 6/17/2025 4:41:11 PM
Received by OCD: 6/12/2025 1:19:15 PM

```
File       :S:\Forensics-NEW\Data\PAH4\2024\Nov24\NOV19.SEC\F411192405.D
Operator   : PAH4:AC
Acquired   : 19 Nov 2024   5:16 pm using AcqMethod WHOIL4A.M
Instrument :   PAH 4
Sample Name: ANS
Misc Info  : wg
Vial Number: 53
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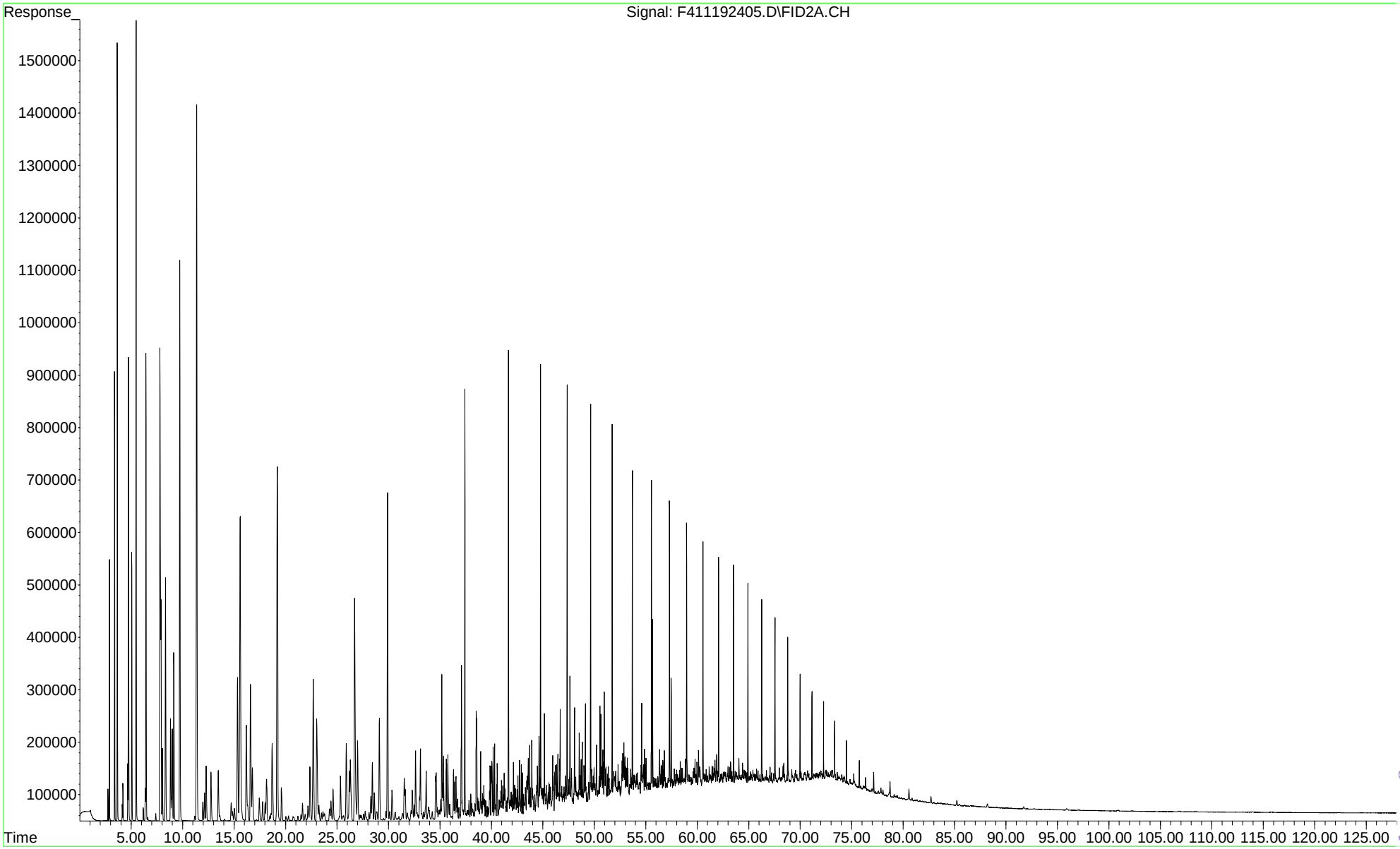

Released to Imaging: 6/17/2025 4:41:11 PM
Received by OCD: 6/12/2025 1:19:15 PM

```
File       :S:\Forensics-NEW\Data\PAH4\2024\Nov24\NOV19.SEC\F411192407.D
Operator   : PAH4:AC
Acquired   : 19 Nov 2024   7:52 pm using AcqMethod WHOIL4A.M
Instrument :   PAH 4
Sample Name: LD7
Misc Info  : wg
Vial Number: 54
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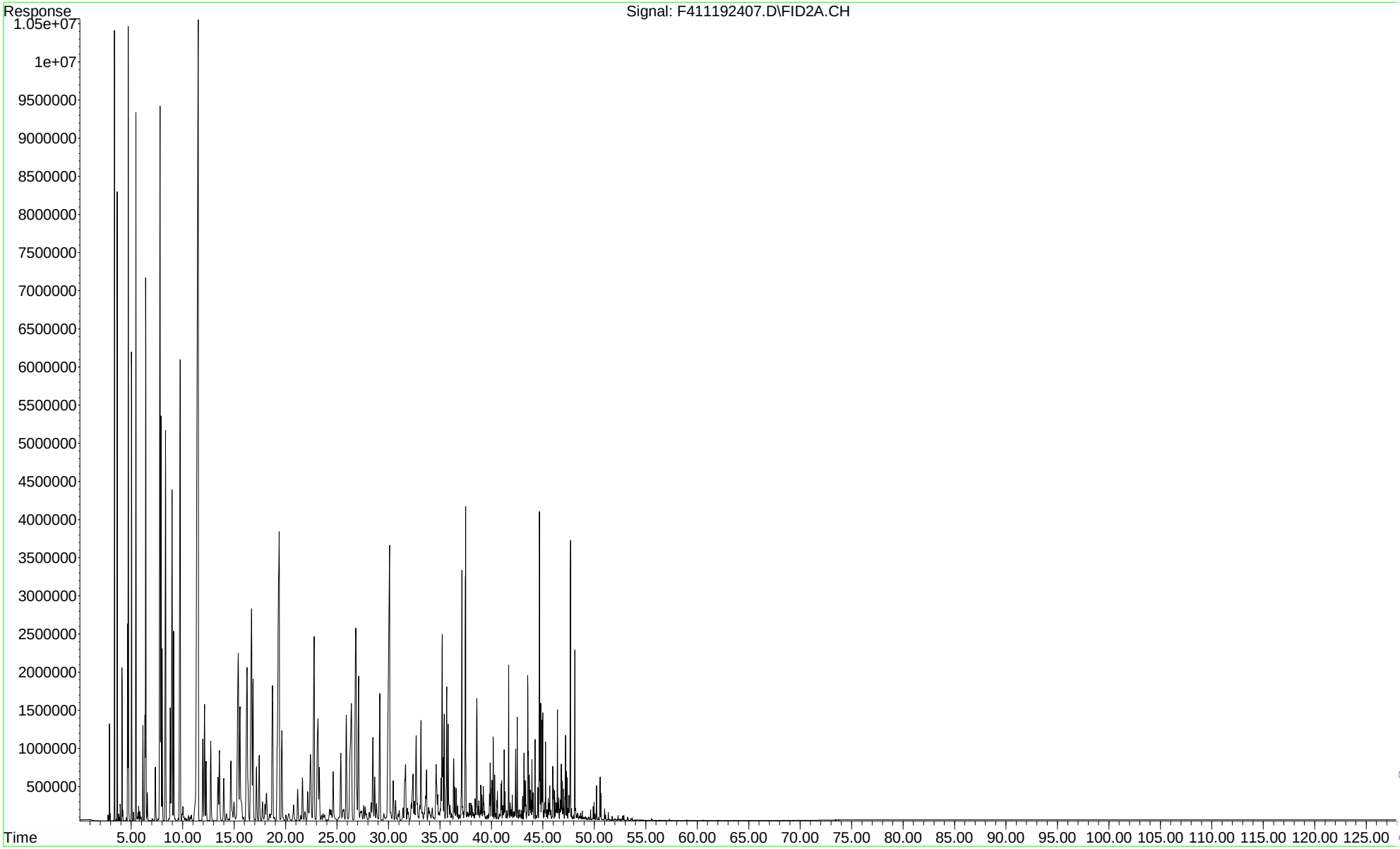

Released to Imaging: 6/17/2025 4:41:11 PM
Received by OCD: 6/12/2025 1:19:15 PM

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File       :S:\Forensics-NEW\Data\PAH4\2024\Nov24\NOV19.SEC\F411192427.D
Operator   : PAH4:AC
Acquired   : 22 Nov 2024  12:45 pm using AcqMethod WHOIL4A.M
Instrument :   PAH 4
Sample Name: ccv
Misc Info  : wg
Vial Number: 64
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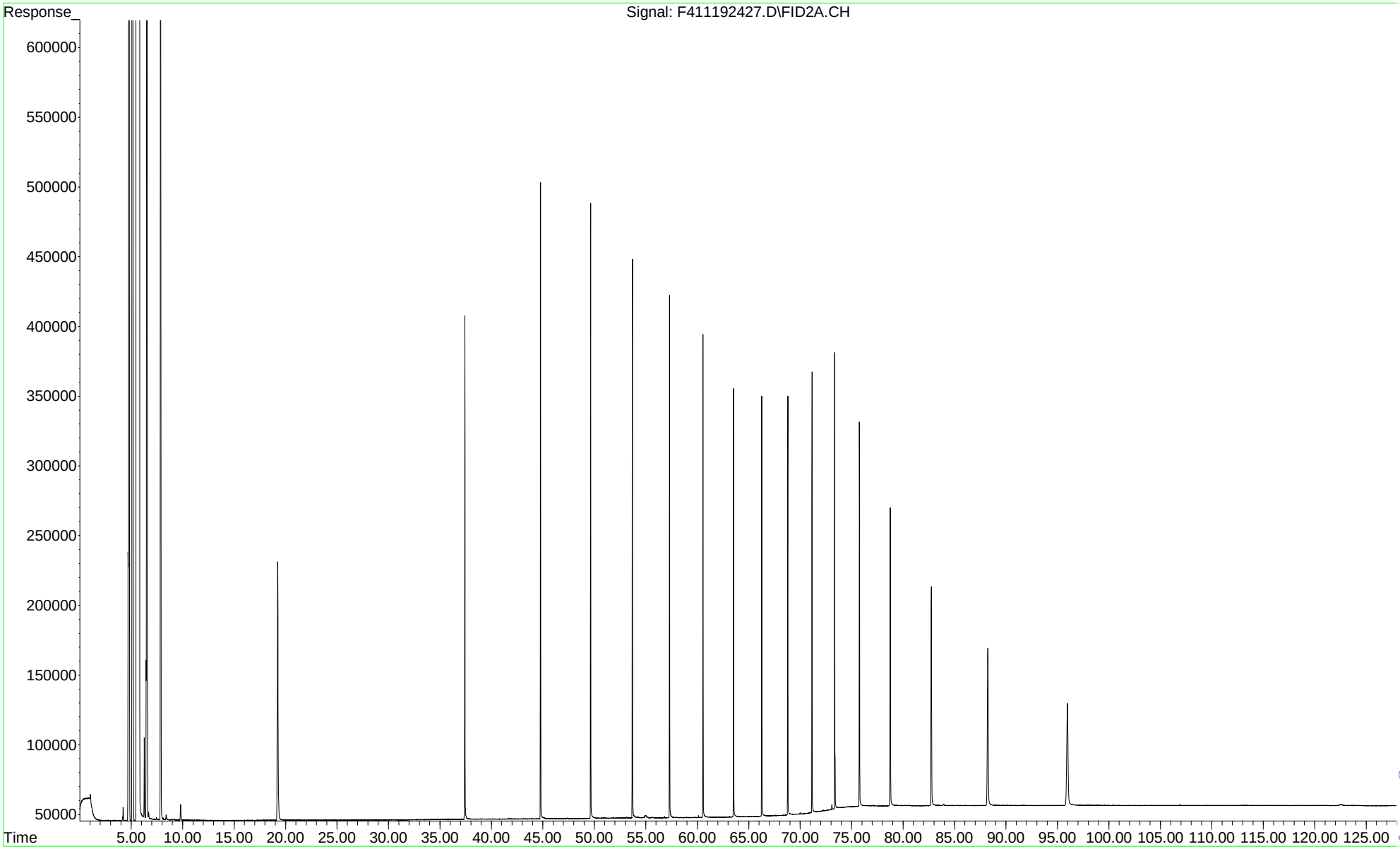
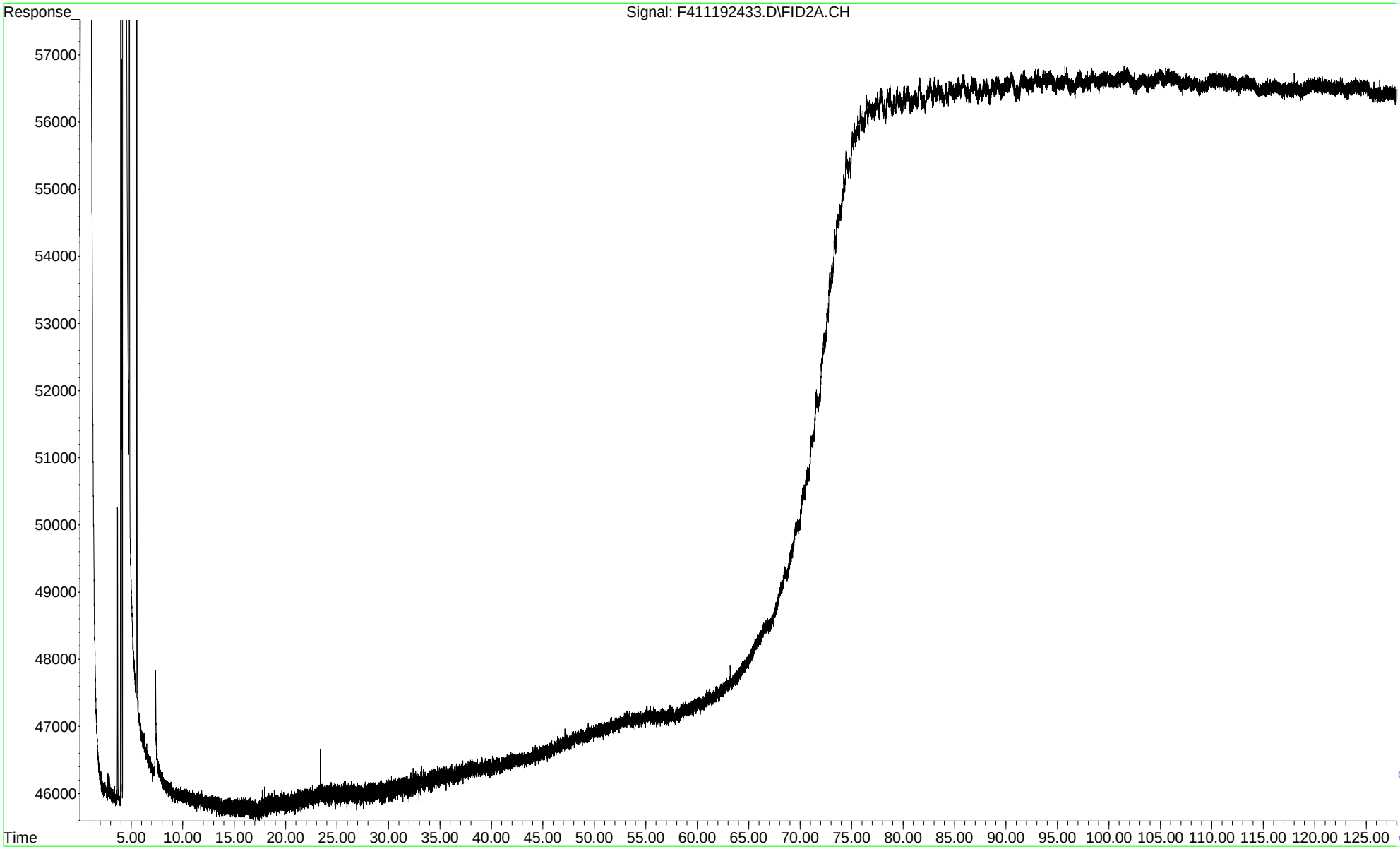


Released to Imaging: 6/17/2025 4:41:11 PM
Received by OCD: 6/12/2025 1:19:15 PM

```
File       :S:\Forensics-NEW\Data\PAH4\2024\Nov24\NOV19.SEC\F411192433.D
Operator   : PAH4:AC
Acquired   : 22 Nov 2024   8:29 pm using AcqMethod WHOIL4A.M
Instrument :   PAH 4
Sample Name: dcm
Misc Info  : wg
Vial Number: 67
```



Released to Imaging: 6/17/2025 4:41:11 PM
Received by OCD: 6/12/2025 1:19:15 PM

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File       :S:\Forensics-NEW\Data\PAH4\2024\Nov24\NOV19.SEC\F411192439.D
Operator   : PAH4:AC
Acquired   : 23 Nov 2024   4:15 am using AcqMethod WHOIL4A.M
Instrument :   PAH 4
Sample Name: ccv
Misc Info  : wg
Vial Number: 70
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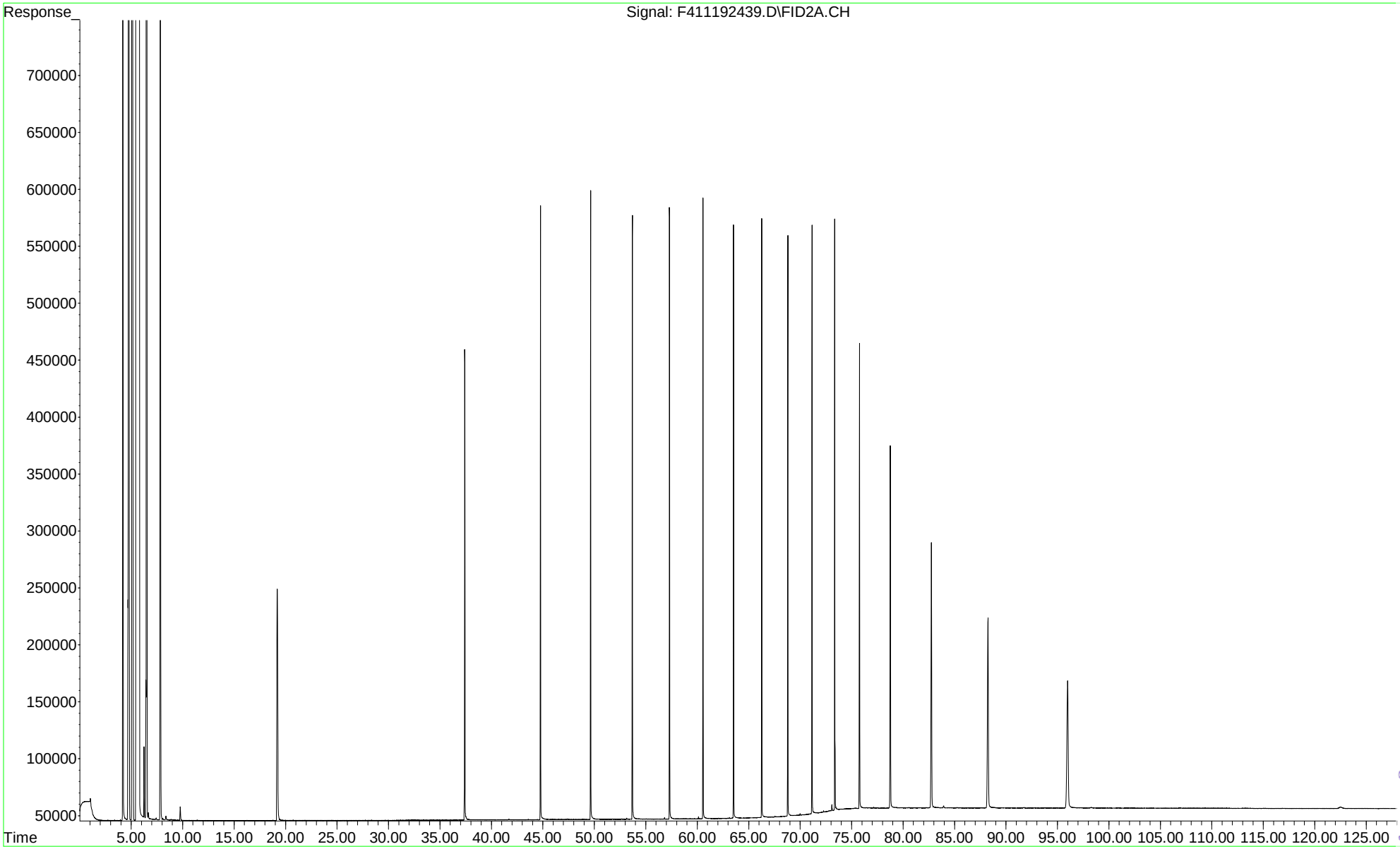

Whole Oil by GC-MS Chromatograms

Released to Imaging: 6/17/2025 4:41:11 PM
Received by OCD: 6/12/2025 1:19:15 PM

```
File       :S:\Forensics-NEW\Data\PAH4\2024\Nov24\nov19\F411192436.D
Operator   : PAH4:AC
Acquired   : 22 Nov 2024  11:06 pm using AcqMethod WHOIL4A.M
Instrument :   PAH 4
Sample Name: L2466430-01
Misc Info  : wg
Vial Number: 18
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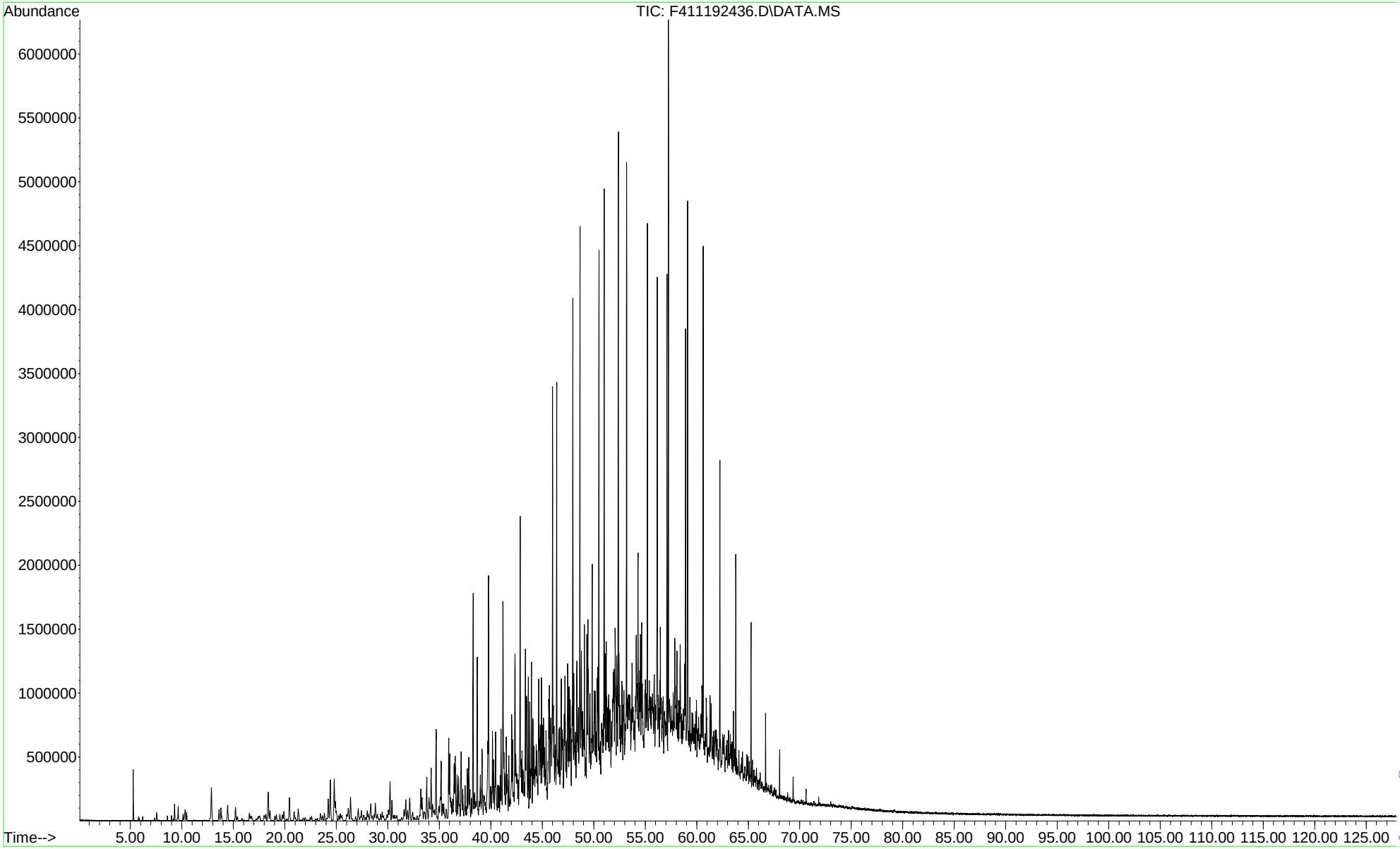

Released to Imaging: 6/17/2025 4:41:11 PM
Received by OCD: 6/12/2025 1:19:15 PM

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Operator   : PAH4:AC
Acquired   : 23 Nov 2024   1:41 am using AcqMethod WHOIL4A.M
Instrument :   PAH 4
Sample Name: L2466430-01d
Misc Info  : wg
Vial Number: 19
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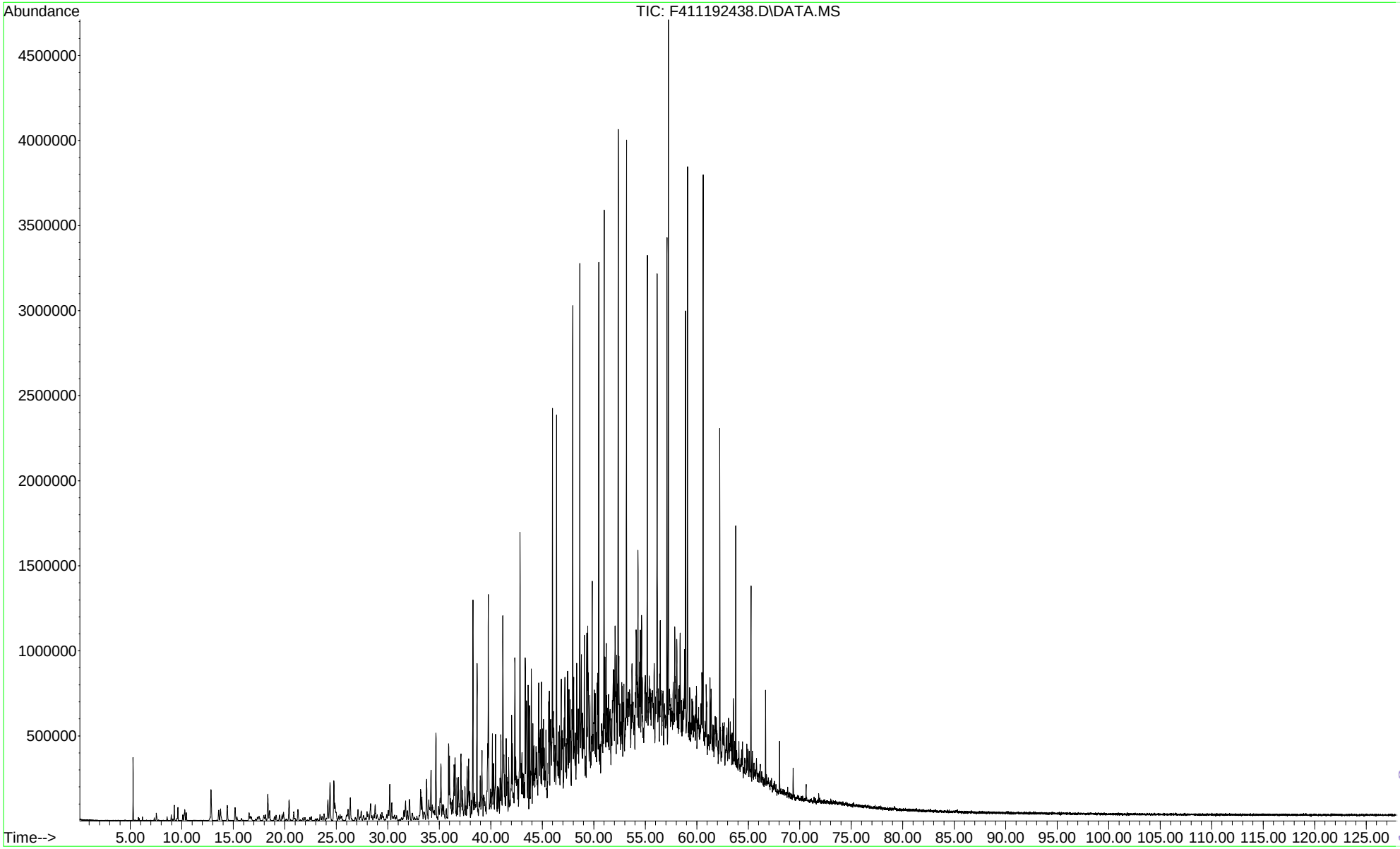

Whole Oil Reference Oils

Released to Imaging: 6/17/2025 4:41:11 PM
Received by OCD: 6/12/2025 1:19:15 PM

```
File       :S:\Forensics-NEW\Data\PAH4\2024\Nov24\nov19\F411192430.D
Operator   : PAH4:AC
Acquired   : 22 Nov 2024   3:20 pm using AcqMethod WHOIL4A.M
Instrument :   PAH 4
Sample Name: ans
Misc Info  : wg
Vial Number: 15
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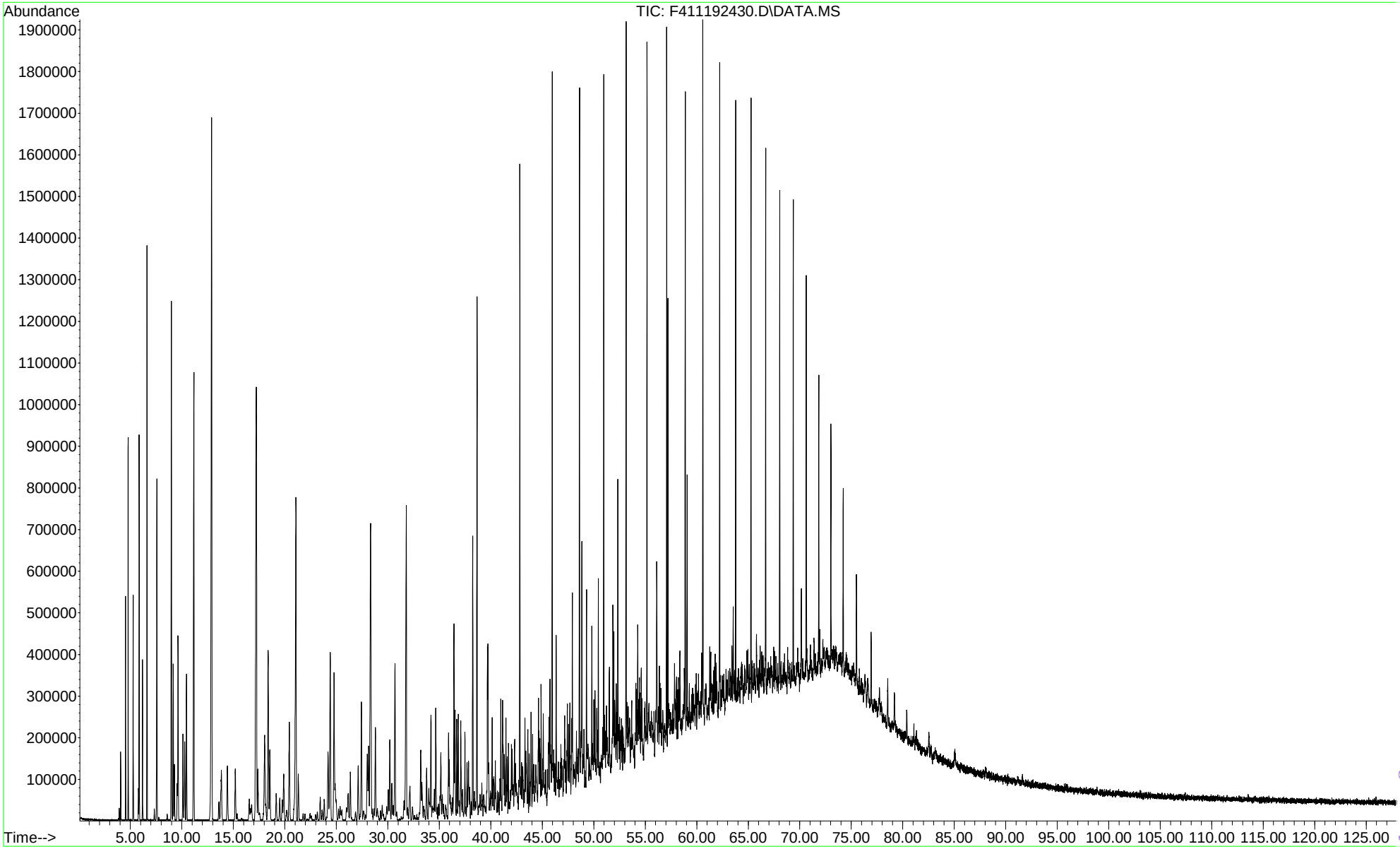
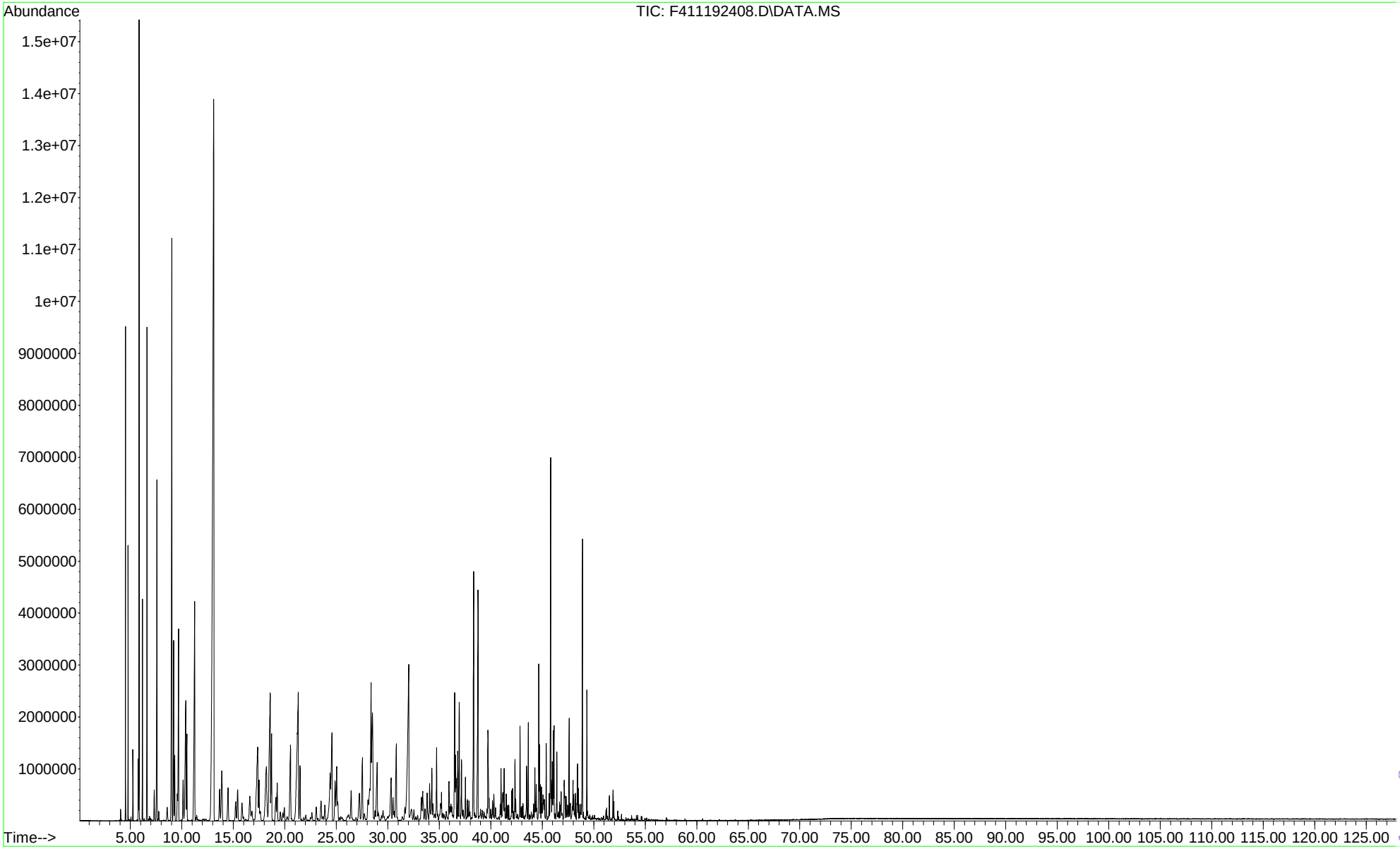


Released to Imaging: 6/17/2025 4:41:11 PM
Received by OCD: 6/12/2025 1:19:15 PM

File :S:\Forensics-NEW\Data\PAH4\2024\Nov24\nov19\F411192408.D
Operator : PAH4:AC
Acquired : 19 Nov 2024 7:52 pm using AcqMethod WHOIL4A.M
Instrument : PAH 4
Sample Name: LD7
Misc Info : wg
Vial Number: 4



Released to Imaging: 6/17/2025 4:41:11 PM
Received by OCD: 6/12/2025 1:19:15 PM

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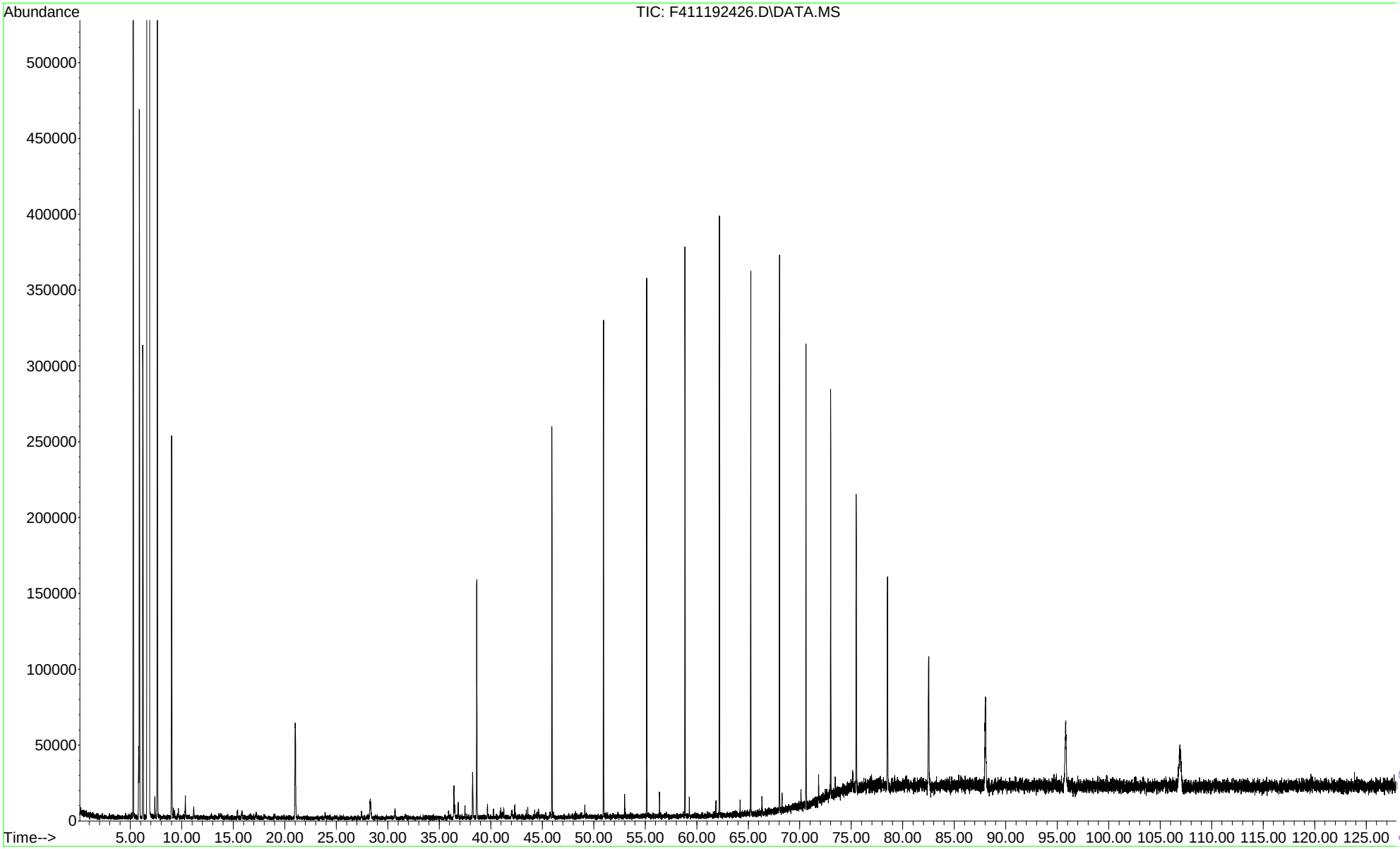
Operator   : PAH4:AC
Acquired   : 21 Nov 2024   4:32 pm using AcqMethod WHOIL4A.M
Instrument :   PAH 4
Sample Name: ccv
Misc Info  : wg
Vial Number: 13
```



Released to Imaging: 6/17/2025 4:41:11 PM
Received by OCD: 6/12/2025 1:19:15 PM

```
File       :S:\Forensics-NEW\Data\PAH4\2024\Nov24\nov19\F411192434.D
Operator   : PAH4:AC
Acquired   : 22 Nov 2024   8:29 pm using AcqMethod WHOIL4A.M
Instrument :   PAH 4
Sample Name: dcm
Misc Info  : wg
Vial Number: 17
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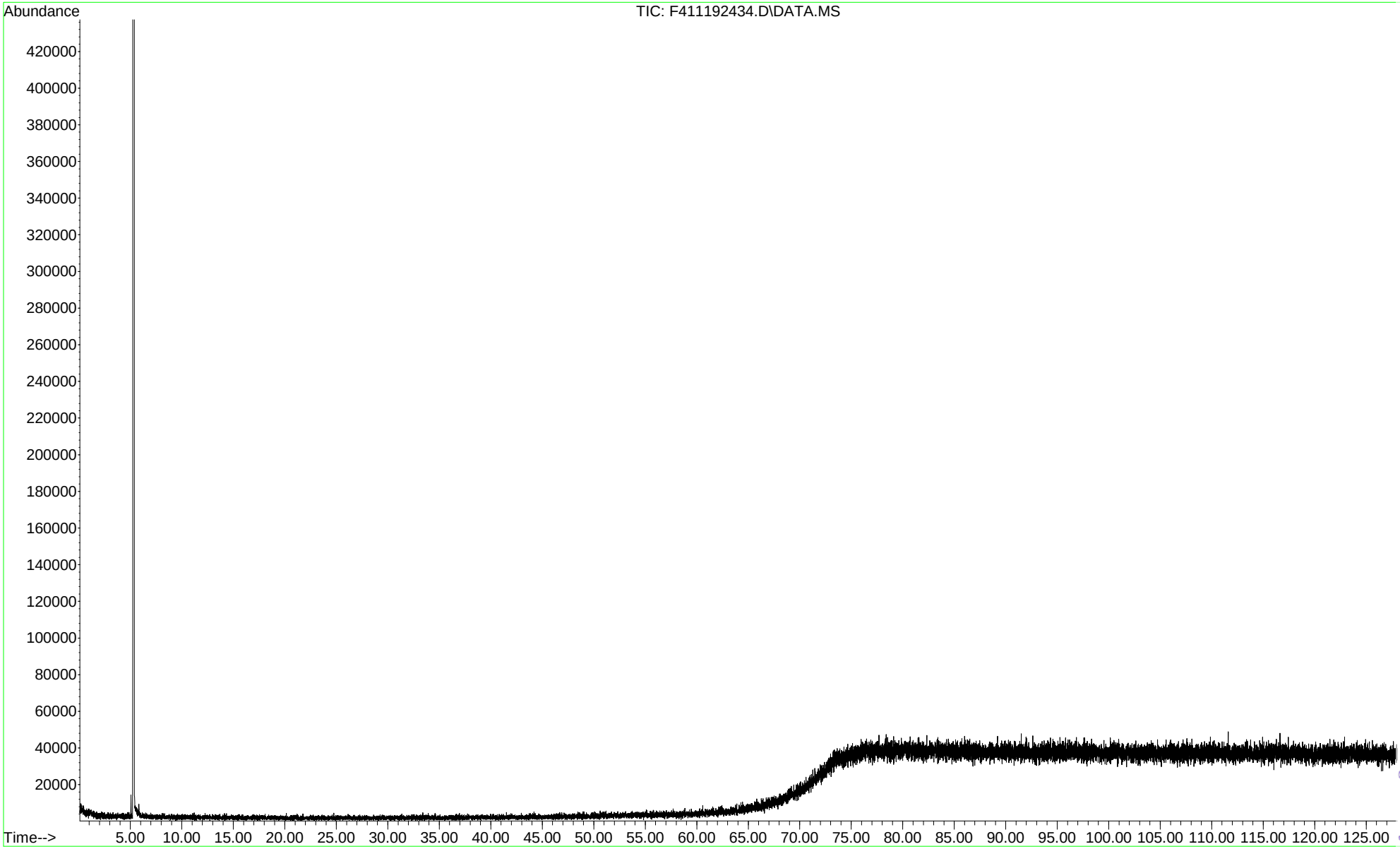
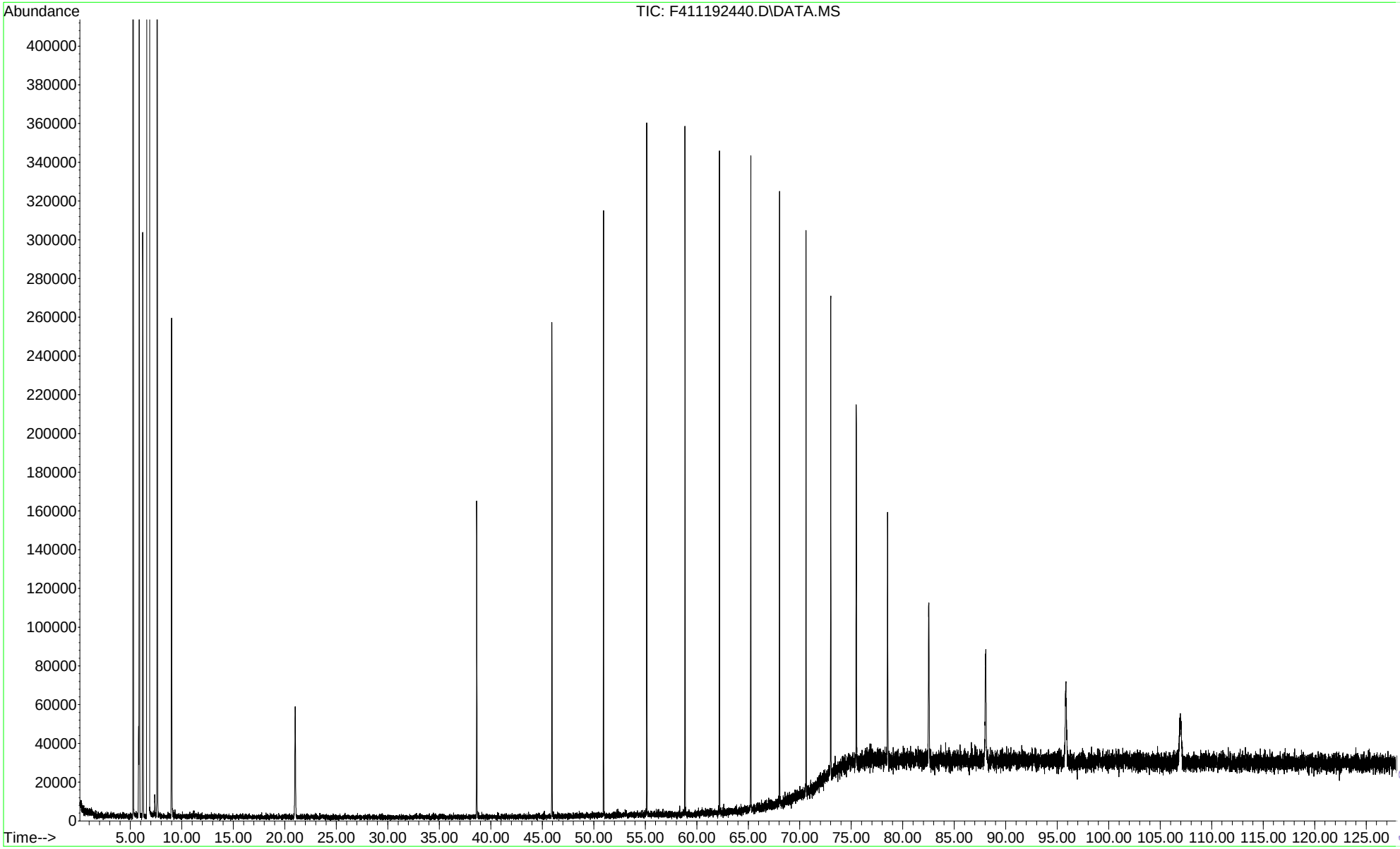


Released to Imaging: 6/17/2025 4:41:11 PM
Received by OCD: 6/12/2025 1:19:15 PM

File :S:\Forensics-NEW\Data\PAH4\2024\Nov24\nov19\F411192440.D
Operator : PAH4:AC
Acquired : 23 Nov 2024 4:15 am using AcqMethod WHOIL4A.M
Instrument : PAH 4
Sample Name: ccv
Misc Info : wg
Vial Number: 20



Technical Report

NewFields

This report shall not be reproduced, except in its entirety, without the written approval of Triton Analytics Corp. Test results relate only to samples analyzed.

16840 Barker Springs #302
Houston, Texas 77084

(281) 578-2289
Fax: (281) 578-2295
info@TritonAnalytics.com

Triton Analytics Corp.
Reference Laboratories
- Hydrocarbon
- Chemical
- Environmental

www.TritonAnalytics.com

Dan Villalanti, *Pres.* • Kati Tittel, *Lab Director* • Joy Cocchiara, *Mass Spec* • David Wadsworth, *Chemist*

NewFields
300 Ledgewood Place #305
Rockland, MA 02370

Ted Healey
ehealey@newfields.com

Dear Mr. Healey,

This report represents the summary of technical findings relative to the Density, Relative Density and API analysis on the sample received from your lab. The job number for NewFields is L2466430 and for Triton Analytics Corp. the corresponding job number is TAC12651.

If you have any questions or concerns, please contact me by phone or email.

Kind regards,
Triton Analytics Corp.

Dan Villalanti, President

16840 Barker Springs #302
Houston, Texas 77084

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3.1: CERTIFICATE OF ANALYSIS Density, Relative Density and API 7

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Sample Summary

Sample Container	Sample ID	Matrix	Date Received
30ml Vial	L2466430-01A MW-29 Sampled: 11-07-2024	Liquid	11/15/2024

16840 Barker Springs #302
Houston, Texas 77084

(281) 578-2289
Fax: (281) 578-2295
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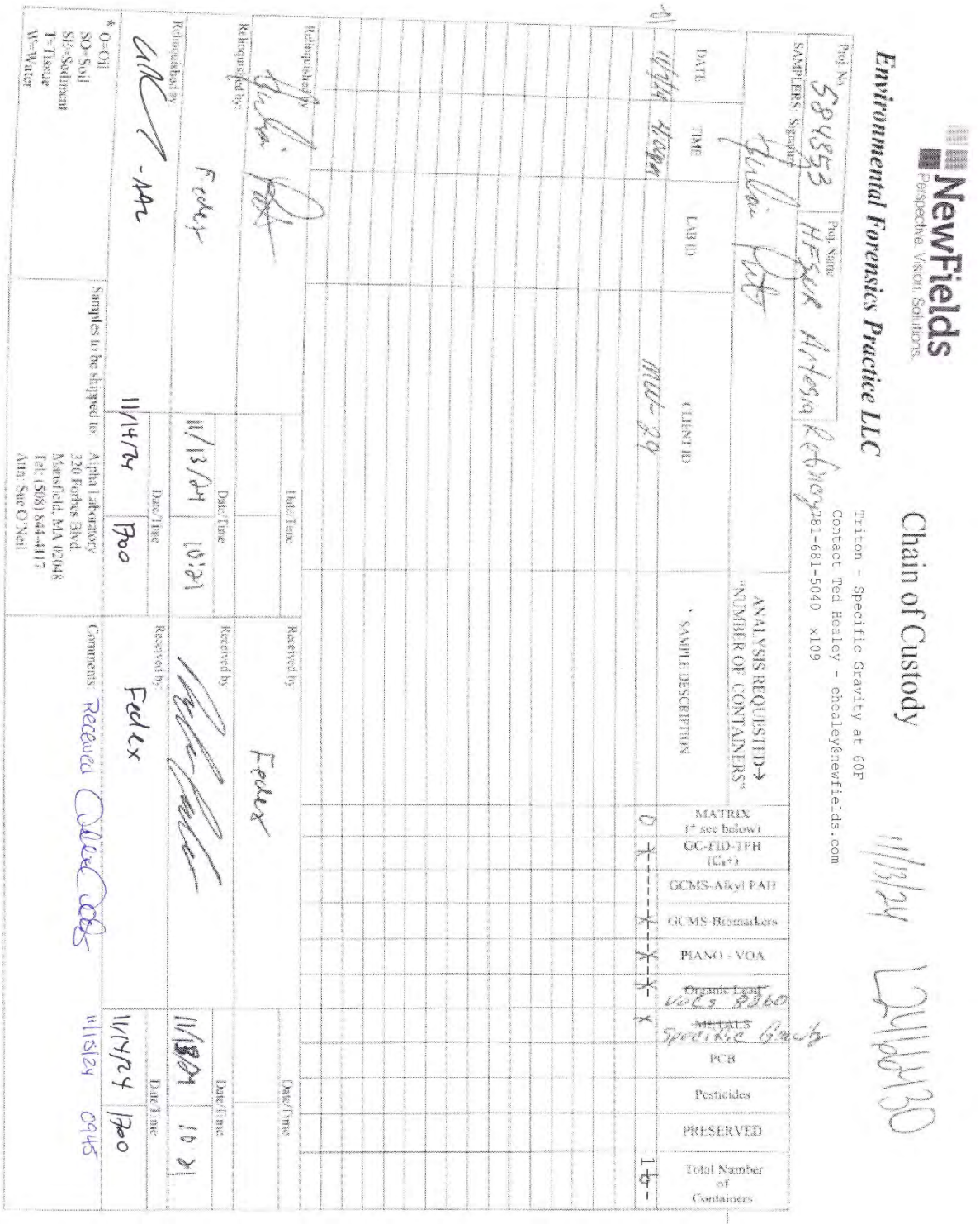

NewFields
Perspective Vision Solutions.

Environmental Forensics Practice LLC

Chain of Custody

Triton - Specific Gravity at 60F
Contact Ted Healey - ehealey@newfields.com
281-681-5040 x109

Proj. No: 589853 | Proj. Name: HF Gas Plant | SAMPLERS Signature: Julian Pitt

DATE	TIME	LAB ID	CLIENT ID	SAMPLE DESCRIPTION	MATRIX (* see below)	GC-FID-TPH (C6+)	GCMS-Alkyl PAH	GCMS Biomarkers	PIANO - VOA	Organic Lead VOCs 8260	METALS Specific Gravity	PCB	Pesticides	PRESERVED	Total Number of Containers
11/13/24	1400		MW-29		O	X	X	X	X	X	X				14

ANALYSIS REQUESTED→
"NUMBER OF CONTAINERS"

* O=Oil, SO=Soil, SE=Sediment, T=Tissue, W=Water

Samples to be shipped to: Alpha Laboratory, 320 Forbes Blvd, Mansfield, MA 02048, Tel: (508) 844-4117, Attn: Sue O'Neil

Relinquished by: Fedex — Date/Time: 11/13/24 1021 — Received by: Fedex

Relinquished by: — Date/Time: — Received by: Fedex

Relinquished by: — Date/Time: 11/14/24 1700 — Received by: Fedex — Date/Time: 11/15/24 0945

Comments: Received

11/13/24

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Houston, Texas 77084

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Fax: (281) 578-2295
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Background

The sample was received November 15, 2024, and the chain of custody was duly executed. The chain of custody indicates that the samples were received for Specific Gravity analysis. Samples were logged into our LIMS system for processing.

The sample was analyzed for Density, Specific Gravity (Relative Density) and API on November 15, 2024, and the results are enclosed in this report.

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Houston, Texas 77084

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- Chemical
- Environmental

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SAMPLE RESULTS

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Certificate of Analysis

API – Density – Specific Gravity

ASTM D4052

	Submitted Sample: L2466430-01A MW-29	
Method	Test	Result
ASTM D4052	Density @ 60F, (g/cm3)	0.8517
	API Gravity @ 60 F	34.5
	Specific Gravity @ 60F	0.8525

ANALYTICAL REPORT

November 01, 2024

TRC Solutions - Austin, TX

Sample Delivery Group:	L1784264
Samples Received:	10/02/2024
Project Number:	
Description:	Artesia Fall 2024
Site:	(NAVAJO - ARTESIA)
Report To:	Julie Speer 505 E. Huntland Dr, Ste 250 Austin, TX 78752

Entire Report Reviewed By:

Chris McCord
Project Manager

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MW-76 L1784264-01 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 11:55 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374795	1	10/03/24 13:27	10/04/24 11:42	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374336	10	10/03/24 13:11	10/03/24 13:11	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2374979	1	10/16/24 23:07	10/17/24 20:40	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2377421	1	10/07/24 20:11	10/07/24 20:11	CDD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2380825	5	10/12/24 11:56	10/14/24 16:25	DMG	Mt. Juliet, TN

MW-75 L1784264-02 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 12:45 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374795	1	10/03/24 13:27	10/04/24 11:42	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374336	10	10/03/24 14:53	10/03/24 14:53	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374336	100	10/03/24 15:09	10/03/24 15:09	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2374979	1	10/16/24 23:07	10/17/24 20:43	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2374979	5	10/16/24 23:07	10/17/24 21:41	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2377421	1	10/07/24 20:34	10/07/24 20:34	CDD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2380825	5	10/12/24 11:56	10/14/24 16:46	DMG	Mt. Juliet, TN

MW-83 L1784264-03 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 13:25 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374795	1	10/03/24 13:27	10/04/24 11:42	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374336	10	10/03/24 16:00	10/03/24 16:00	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374336	100	10/03/24 16:17	10/03/24 16:17	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2374979	1	10/16/24 23:07	10/17/24 20:46	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2377421	1	10/07/24 20:57	10/07/24 20:57	CDD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381331	10	10/14/24 07:08	10/14/24 20:56	TJD	Mt. Juliet, TN

MW-3 L1784264-04 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 14:00 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374795	1	10/03/24 13:27	10/04/24 11:42	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374336	10	10/03/24 17:08	10/03/24 17:08	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374336	100	10/03/24 17:25	10/03/24 17:25	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2374979	1	10/16/24 23:07	10/17/24 21:09	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2374979	5	10/16/24 23:07	10/17/24 22:13	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2377421	1	10/07/24 21:19	10/07/24 21:19	CDD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381331	1	10/14/24 07:08	10/14/24 15:33	TJD	Mt. Juliet, TN

MW-88 L1784264-05 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 14:40 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020	WG2374979	1	10/16/24 23:07	10/17/24 21:22	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2377837	1	10/08/24 11:47	10/08/24 11:47	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381331	1	10/14/24 07:08	10/15/24 02:06	DMG	Mt. Juliet, TN

MW-4A L1784264-06 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 11:05 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374795	1	10/03/24 13:27	10/04/24 11:42	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374345	1	10/03/24 03:02	10/03/24 03:02	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374345	10	10/03/24 09:32	10/03/24 09:32	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2374979	1	10/16/24 23:07	10/17/24 21:25	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2382700	1	10/17/24 11:54	10/17/24 11:54	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381331	1	10/14/24 07:08	10/14/24 16:14	TJD	Mt. Juliet, TN

MW-5A L1784264-07 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 08:20 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374795	1	10/03/24 13:27	10/04/24 11:42	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374345	5	10/03/24 03:16	10/03/24 03:16	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374345	50	10/03/24 09:45	10/03/24 09:45	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2374979	1	10/16/24 23:07	10/17/24 21:28	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2374979	5	10/16/24 23:07	10/17/24 22:16	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2377837	1	10/08/24 12:09	10/08/24 12:09	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381331	1	10/14/24 07:08	10/14/24 16:34	TJD	Mt. Juliet, TN

MW-7A L1784264-08 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 09:25 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374795	1	10/03/24 13:27	10/04/24 11:42	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374345	1	10/03/24 03:29	10/03/24 03:29	JDG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374345	10	10/03/24 09:58	10/03/24 09:58	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374345	20	10/09/24 18:07	10/09/24 18:07	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378129	1	10/09/24 14:25	10/09/24 20:16	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378129	5	10/09/24 14:25	10/09/24 22:46	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2377837	1	10/08/24 12:32	10/08/24 12:32	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2378619	1	10/09/24 15:45	10/09/24 15:45	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381331	1	10/14/24 07:08	10/15/24 02:26	DMG	Mt. Juliet, TN

OCD-8A L1784264-09 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 10:15 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374795	1	10/03/24 13:27	10/04/24 11:42	DLS	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG2374789	1	10/03/24 16:12	10/04/24 10:51	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374345	5	10/03/24 03:43	10/03/24 03:43	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374345	50	10/03/24 10:12	10/03/24 10:12	GEB	Mt. Juliet, TN
Mercury by Method 7470A	WG2376980	1	10/06/24 18:35	10/08/24 02:43	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2378112	1	10/11/24 04:38	10/11/24 12:53	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378129	1	10/09/24 14:25	10/09/24 20:19	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378129	5	10/09/24 14:25	10/09/24 22:50	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2377837	1	10/08/24 12:55	10/08/24 12:55	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381331	1	10/14/24 07:08	10/14/24 17:14	TJD	Mt. Juliet, TN

DUP-EP-01 L1784264-10 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 10:00 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374795	1	10/03/24 13:27	10/04/24 11:42	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374345	1	10/03/24 03:56	10/03/24 03:56	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374345	10	10/03/24 10:25	10/03/24 10:25	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374345	20	10/09/24 18:21	10/09/24 18:21	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378129	1	10/09/24 14:25	10/09/24 20:23	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378129	5	10/09/24 14:25	10/09/24 22:53	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2377837	1	10/08/24 13:18	10/08/24 13:18	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2378619	1	10/09/24 16:06	10/09/24 16:06	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381331	1	10/14/24 07:08	10/15/24 02:47	DMG	Mt. Juliet, TN

DUP-EP-03 L1784264-11 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 12:30 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374795	1	10/03/24 13:27	10/04/24 11:42	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374345	1	10/03/24 04:10	10/03/24 04:10	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374345	10	10/03/24 10:39	10/03/24 10:39	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374345	20	10/09/24 18:34	10/09/24 18:34	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378129	1	10/09/24 14:25	10/09/24 20:26	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378129	5	10/09/24 14:25	10/09/24 22:56	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2377837	1	10/08/24 13:41	10/08/24 13:41	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381331	1	10/14/24 07:08	10/14/24 17:55	TJD	Mt. Juliet, TN

EB-EP-03 L1784264-12 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 08:35 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2376988	1	10/07/24 08:44	10/07/24 12:23	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374345	1	10/03/24 04:23	10/03/24 04:23	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378129	1	10/09/24 14:25	10/09/24 18:34	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2377837	1	10/08/24 11:01	10/08/24 11:01	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381331	1	10/14/24 07:08	10/15/24 01:26	DMG	Mt. Juliet, TN

TRIP BLANK-EP-02 L1784264-13 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 00:00 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379080	1	10/09/24 17:27	10/09/24 17:27	ACG	Mt. Juliet, TN

OCD-1R L1784264-14 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 14:40 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374795	1	10/03/24 13:27	10/04/24 11:42	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374345	1	10/03/24 05:17	10/03/24 05:17	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374345	10	10/03/24 10:52	10/03/24 10:52	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374345	20	10/09/24 18:48	10/09/24 18:48	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378129	1	10/09/24 14:25	10/09/24 20:29	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378129	5	10/09/24 14:25	10/09/24 23:00	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2377837	1	10/08/24 14:04	10/08/24 14:04	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381331	1	10/14/24 07:08	10/15/24 01:46	DMG	Mt. Juliet, TN

OCD-2A L1784264-15 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 14:05 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020	WG2378129	1	10/09/24 14:25	10/09/24 20:33	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2377837	1	10/08/24 14:27	10/08/24 14:27	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381331	1	10/14/24 07:08	10/15/24 01:06	DMG	Mt. Juliet, TN

OCD-3 L1784264-16 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 13:25 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020	WG2378129	1	10/09/24 14:25	10/09/24 18:20	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2377837	1	10/08/24 14:50	10/08/24 14:50	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381331	1	10/14/24 07:08	10/14/24 19:15	TJD	Mt. Juliet, TN

OCD-4 L1784264-17 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 12:15 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020	WG2378129	1	10/09/24 14:25	10/09/24 20:36	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2377837	1	10/08/24 15:13	10/08/24 15:13	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381331	1	10/14/24 07:08	10/14/24 19:36	TJD	Mt. Juliet, TN

MW-11A L1784264-18 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 12:50 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374795	1	10/03/24 13:27	10/04/24 11:42	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374345	10	10/03/24 05:30	10/03/24 05:30	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374345	100	10/03/24 11:06	10/03/24 11:06	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378129	1	10/09/24 14:25	10/09/24 20:39	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378129	10	10/09/24 14:25	10/09/24 23:03	UNP	Mt. Juliet, TN

OCD-5 L1784264-19 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 11:35 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374795	1	10/03/24 13:27	10/04/24 11:42	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374345	5	10/03/24 05:44	10/03/24 05:44	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374345	50	10/03/24 11:19	10/03/24 11:19	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378129	1	10/09/24 14:25	10/09/24 20:43	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378129	5	10/09/24 14:25	10/09/24 23:06	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2377837	1	10/08/24 15:36	10/08/24 15:36	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381331	1	10/14/24 07:08	10/14/24 19:56	TJD	Mt. Juliet, TN

MW-87 L1784264-20 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 08:20 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020	WG2378135	1	10/11/24 03:29	10/18/24 13:08	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2377837	1	10/08/24 15:59	10/08/24 15:59	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381331	1	10/14/24 07:08	10/14/24 20:16	TJD	Mt. Juliet, TN

SAMPLE SUMMARY

MW-18A L1784264-21 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 10:45 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374795	1	10/03/24 13:27	10/04/24 11:42	DLS	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG2374789	1	10/03/24 16:12	10/04/24 10:56	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374345	5	10/03/24 06:24	10/03/24 06:24	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374345	50	10/03/24 11:32	10/03/24 11:32	GEB	Mt. Juliet, TN
Mercury by Method 7470A	WG2376980	1	10/06/24 18:35	10/08/24 02:46	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2378112	1	10/11/24 04:38	10/11/24 12:55	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378135	5	10/11/24 03:29	10/18/24 13:11	JPD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381331	1	10/14/24 07:08	10/14/24 20:36	TJD	Mt. Juliet, TN

MW-70 L1784264-22 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 10:00 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020	WG2378135	1	10/11/24 03:29	10/18/24 13:14	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2377837	1	10/08/24 16:21	10/08/24 16:21	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381333	1	10/15/24 08:31	10/15/24 16:07	MAA	Mt. Juliet, TN

MW-124 L1784264-23 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 09:10 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374795	1	10/03/24 13:27	10/04/24 11:42	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374345	5	10/03/24 06:37	10/03/24 06:37	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374345	50	10/03/24 12:13	10/03/24 12:13	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378135	5	10/11/24 03:29	10/18/24 12:55	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2377837	1	10/08/24 16:44	10/08/24 16:44	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381333	1	10/15/24 08:31	10/15/24 16:26	MAA	Mt. Juliet, TN

EB-EP-02 L1784264-24 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 09:25 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374795	1	10/03/24 13:27	10/04/24 11:42	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374345	1	10/03/24 06:51	10/03/24 06:51	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378135	1	10/11/24 03:29	10/18/24 13:17	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2377837	1	10/08/24 11:24	10/08/24 11:24	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381333	1	10/15/24 08:31	10/15/24 16:46	MAA	Mt. Juliet, TN

TRIP BLANK-EP-03 L1784264-25 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 00:00 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379080	1	10/09/24 17:49	10/09/24 17:49	ACG	Mt. Juliet, TN

RA-4196R L1784264-26 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 14:00 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374795	1	10/03/24 13:27	10/04/24 11:42	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374345	1	10/03/24 07:31	10/03/24 07:31	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374345	10	10/03/24 12:26	10/03/24 12:26	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378135	1	10/11/24 03:29	10/18/24 13:29	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379080	1	10/10/24 00:03	10/10/24 00:03	ACG	Mt. Juliet, TN

KWB-7 L1784264-27 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 09:55 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374795	1	10/03/24 13:27	10/04/24 11:42	DLS	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG2374789	1	10/03/24 16:12	10/04/24 10:58	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374345	1	10/03/24 07:44	10/03/24 07:44	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374345	10	10/03/24 12:39	10/03/24 12:39	GEB	Mt. Juliet, TN
Mercury by Method 7470A	WG2376980	1	10/06/24 18:35	10/08/24 02:49	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2378112	1	10/11/24 04:38	10/11/24 12:57	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378135	1	10/11/24 03:29	10/18/24 13:32	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379080	1	10/10/24 00:25	10/10/24 00:25	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381333	1	10/15/24 08:31	10/15/24 17:06	MAA	Mt. Juliet, TN

KWB-11A L1784264-28 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 08:30 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374795	1	10/03/24 13:27	10/04/24 11:42	DLS	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG2374789	1	10/03/24 16:12	10/04/24 11:04	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374345	1	10/03/24 07:58	10/03/24 07:58	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374345	10	10/03/24 12:53	10/03/24 12:53	GEB	Mt. Juliet, TN
Mercury by Method 7470A	WG2376980	1	10/06/24 18:35	10/08/24 02:51	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2378112	1	10/11/24 04:38	10/11/24 12:11	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378135	1	10/11/24 03:29	10/18/24 13:35	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2377837	1	10/08/24 17:07	10/08/24 17:07	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379080	1	10/10/24 00:47	10/10/24 00:47	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381333	1	10/15/24 08:31	10/17/24 08:23	MAA	Mt. Juliet, TN

KWB-11B L1784264-29 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 09:10 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374796	1	10/03/24 09:21	10/03/24 14:22	DLS	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG2374789	1	10/03/24 16:12	10/04/24 11:06	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374345	1	10/03/24 08:11	10/03/24 08:11	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374345	10	10/03/24 13:06	10/03/24 13:06	GEB	Mt. Juliet, TN
Mercury by Method 7470A	WG2376980	1	10/06/24 18:35	10/08/24 02:54	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2378112	1	10/11/24 04:38	10/11/24 12:13	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378135	1	10/11/24 03:29	10/18/24 13:39	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2377837	1	10/08/24 17:30	10/08/24 17:30	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379080	1	10/10/24 01:09	10/10/24 01:09	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381333	1	10/15/24 08:31	10/15/24 17:46	MAA	Mt. Juliet, TN

MW-115 L1784264-30 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 12:45 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374796	1	10/03/24 09:21	10/03/24 14:22	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374345	1	10/03/24 08:24	10/03/24 08:24	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374345	10	10/03/24 13:20	10/03/24 13:20	GEB	Mt. Juliet, TN
Mercury by Method 7470A	WG2376980	1	10/06/24 18:35	10/08/24 02:56	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2374919	1	10/15/24 15:40	10/17/24 10:11	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2378112	1	10/11/24 04:38	10/11/24 12:15	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2374938	1	10/17/24 15:27	10/17/24 20:33	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378135	1	10/11/24 03:29	10/18/24 14:08	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2377837	1	10/08/24 17:53	10/08/24 17:53	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379199	1	10/10/24 01:03	10/10/24 01:03	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381333	1	10/15/24 08:31	10/15/24 18:05	MAA	Mt. Juliet, TN

MW-114 L1784264-31 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 11:55 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374796	1	10/03/24 09:21	10/03/24 14:22	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374345	1	10/03/24 08:38	10/03/24 08:38	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374345	10	10/03/24 13:33	10/03/24 13:33	GEB	Mt. Juliet, TN
Mercury by Method 7470A	WG2376980	1	10/06/24 18:35	10/08/24 02:59	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2374919	1	10/15/24 15:40	10/17/24 10:34	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2378112	1	10/11/24 04:38	10/11/24 12:16	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2374938	1	10/17/24 15:27	10/18/24 01:00	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378135	1	10/11/24 03:29	10/18/24 13:45	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2378293	1	10/08/24 21:36	10/08/24 21:36	KST	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379199	1	10/10/24 01:23	10/10/24 01:23	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381333	1	10/15/24 08:31	10/15/24 18:25	MAA	Mt. Juliet, TN

MW-125 L1784264-32 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 11:10 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374796	1	10/03/24 09:21	10/03/24 14:22	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374345	1	10/03/24 08:51	10/03/24 08:51	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374345	10	10/03/24 13:46	10/03/24 13:46	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374345	20	10/09/24 19:01	10/09/24 19:01	GEB	Mt. Juliet, TN
Mercury by Method 7470A	WG2376980	1	10/06/24 18:35	10/08/24 03:01	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2374919	1	10/15/24 15:40	10/17/24 10:36	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2378113	1	10/14/24 00:58	10/14/24 09:31	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378104	1	10/11/24 18:47	10/15/24 19:52	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378135	1	10/11/24 03:29	10/18/24 13:48	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2378293	1	10/08/24 21:58	10/08/24 21:58	KST	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379199	1	10/10/24 01:43	10/10/24 01:43	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381333	1	10/15/24 08:31	10/17/24 08:43	MAA	Mt. Juliet, TN

MW-117 L1784264-33 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 11:05 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374796	1	10/03/24 09:21	10/03/24 14:22	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374349	5	10/04/24 01:03	10/04/24 01:03	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374349	50	10/04/24 07:35	10/04/24 07:35	GEB	Mt. Juliet, TN

SAMPLE SUMMARY

MW-117 L1784264-33 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 11:05 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG2376980	1	10/06/24 18:35	10/08/24 03:09	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2374919	1	10/15/24 15:40	10/17/24 10:37	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2378113	1	10/14/24 00:58	10/14/24 09:33	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378104	1	10/11/24 18:47	10/15/24 20:05	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378135	1	10/11/24 03:29	10/18/24 13:51	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2378293	1	10/08/24 22:20	10/08/24 22:20	KST	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379199	1	10/10/24 02:03	10/10/24 02:03	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381333	1	10/15/24 08:31	10/15/24 19:06	MAA	Mt. Juliet, TN

MW-118 L1784264-34 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 10:15 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374796	1	10/03/24 09:21	10/03/24 14:22	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374349	5	10/04/24 01:17	10/04/24 01:17	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374349	50	10/04/24 07:49	10/04/24 07:49	GEB	Mt. Juliet, TN
Mercury by Method 7470A	WG2376980	1	10/06/24 18:35	10/08/24 03:11	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2374921	1	10/14/24 05:51	10/15/24 10:47	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2378113	1	10/14/24 00:58	10/14/24 09:35	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378104	1	10/11/24 18:47	10/15/24 20:08	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378135	1	10/11/24 03:29	10/18/24 13:54	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2378293	1	10/08/24 22:41	10/08/24 22:41	KST	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379199	1	10/10/24 02:24	10/10/24 02:24	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381333	1	10/15/24 08:31	10/15/24 19:26	MAA	Mt. Juliet, TN

MW-119 L1784264-35 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 09:25 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374796	1	10/03/24 09:21	10/03/24 14:22	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374349	5	10/04/24 01:30	10/04/24 01:30	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374349	50	10/04/24 08:02	10/04/24 08:02	GEB	Mt. Juliet, TN
Mercury by Method 7470A	WG2376980	1	10/06/24 18:35	10/08/24 03:14	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2374921	1	10/14/24 05:51	10/15/24 10:48	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2378113	1	10/14/24 00:58	10/14/24 09:36	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378104	1	10/11/24 18:47	10/15/24 20:12	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378135	1	10/11/24 03:29	10/18/24 13:57	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2378293	1	10/08/24 23:03	10/08/24 23:03	KST	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379199	1	10/10/24 02:44	10/10/24 02:44	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381333	1	10/15/24 08:31	10/15/24 19:45	MAA	Mt. Juliet, TN

MW-136 L1784264-36 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 09:10 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374796	1	10/03/24 09:21	10/03/24 14:22	DLS	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG2374789	10	10/03/24 16:12	10/04/24 11:07	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374349	5	10/04/24 01:44	10/04/24 01:44	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374349	50	10/04/24 08:16	10/04/24 08:16	GEB	Mt. Juliet, TN
Mercury by Method 7470A	WG2376980	1	10/06/24 18:35	10/08/24 03:17	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2378113	1	10/14/24 00:58	10/14/24 09:41	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378135	1	10/11/24 03:29	10/18/24 14:11	JPD	Mt. Juliet, TN

MW-136 L1784264-36 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 09:10 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2378293	1	10/08/24 23:25	10/08/24 23:25	KST	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379199	1	10/10/24 03:04	10/10/24 03:04	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381333	1	10/15/24 08:31	10/15/24 20:05	MAA	Mt. Juliet, TN

MW-126B L1784264-37 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 12:35 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374796	1	10/03/24 09:21	10/03/24 14:22	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374349	5	10/04/24 01:57	10/04/24 01:57	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374349	50	10/04/24 08:29	10/04/24 08:29	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378135	1	10/11/24 03:29	10/18/24 14:14	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2378293	1	10/08/24 23:46	10/08/24 23:46	KST	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379199	1	10/10/24 03:24	10/10/24 03:24	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381333	1	10/15/24 08:31	10/15/24 20:25	MAA	Mt. Juliet, TN

MW-161 L1784264-38 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 14:10 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2378293	1	10/09/24 00:08	10/09/24 00:08	KST	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379215	1	10/10/24 00:00	10/10/24 00:00	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381333	1	10/15/24 08:31	10/15/24 20:44	MAA	Mt. Juliet, TN

MW-162 L1784264-39 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 14:05 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374796	1	10/03/24 09:21	10/03/24 14:22	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374349	5	10/04/24 02:12	10/04/24 02:12	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374349	50	10/04/24 08:43	10/04/24 08:43	GEB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2374921	1	10/14/24 05:51	10/15/24 10:50	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378104	1	10/11/24 18:47	10/15/24 20:15	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378135	1	10/11/24 03:29	10/18/24 14:17	JPD	Mt. Juliet, TN

KWB-12A L1784264-40 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 13:25 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374796	1	10/03/24 09:21	10/03/24 14:22	DLS	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG2374789	25	10/03/24 16:12	10/04/24 11:08	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374349	5	10/04/24 02:25	10/04/24 02:25	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374349	50	10/04/24 08:56	10/04/24 08:56	GEB	Mt. Juliet, TN
Mercury by Method 7470A	WG2376980	1	10/06/24 18:35	10/08/24 03:19	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2378113	1	10/14/24 00:58	10/14/24 09:43	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378135	1	10/11/24 03:29	10/18/24 14:20	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2378293	1	10/09/24 00:29	10/09/24 00:29	KST	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379215	1	10/10/24 00:21	10/10/24 00:21	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381333	1	10/15/24 08:31	10/15/24 21:04	MAA	Mt. Juliet, TN

MW-149 L1784264-41 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 11:45 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374796	1	10/03/24 09:21	10/03/24 14:22	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374349	5	10/04/24 02:39	10/04/24 02:39	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374349	50	10/04/24 09:10	10/04/24 09:10	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378137	1	10/17/24 05:10	10/17/24 23:54	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379215	1	10/10/24 00:42	10/10/24 00:42	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381333	1	10/15/24 08:31	10/15/24 21:23	MAA	Mt. Juliet, TN

MW-150 L1784264-42 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 10:55 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374796	1	10/03/24 09:21	10/03/24 14:22	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374349	5	10/04/24 02:52	10/04/24 02:52	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374349	50	10/04/24 09:23	10/04/24 09:23	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378137	1	10/17/24 05:10	10/18/24 04:02	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379215	1	10/10/24 01:03	10/10/24 01:03	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381333	1	10/15/24 08:31	10/15/24 21:43	MAA	Mt. Juliet, TN

MW-142 L1784264-43 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 10:50 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374796	1	10/03/24 09:21	10/03/24 14:22	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374349	5	10/04/24 03:06	10/04/24 03:06	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374349	50	10/04/24 09:37	10/04/24 09:37	GEB	Mt. Juliet, TN
Mercury by Method 7470A	WG2376980	1	10/06/24 18:35	10/08/24 03:21	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2374921	1	10/14/24 05:51	10/15/24 10:52	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2378113	1	10/14/24 00:58	10/14/24 09:44	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378104	1	10/11/24 18:47	10/15/24 20:43	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378137	1	10/17/24 05:10	10/18/24 04:05	JPD	Mt. Juliet, TN

MW-143 L1784264-44 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 10:10 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374796	1	10/03/24 09:21	10/03/24 14:22	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374349	10	10/04/24 03:46	10/04/24 03:46	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374349	100	10/04/24 10:17	10/04/24 10:17	GEB	Mt. Juliet, TN
Mercury by Method 7470A	WG2376980	1	10/06/24 18:35	10/08/24 03:24	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2374921	1	10/14/24 05:51	10/15/24 10:57	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2378113	1	10/14/24 00:58	10/14/24 09:46	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378104	1	10/11/24 18:47	10/15/24 20:49	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378137	1	10/17/24 05:10	10/18/24 03:56	JPD	Mt. Juliet, TN

MW-163 L1784264-45 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 10:00 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374796	1	10/03/24 09:21	10/03/24 14:22	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374349	10	10/04/24 04:00	10/04/24 04:00	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374349	100	10/04/24 10:31	10/04/24 10:31	GEB	Mt. Juliet, TN

MW-163 L1784264-45 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 10:00 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010B	WG2374921	1	10/14/24 05:51	10/15/24 10:58	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378104	1	10/11/24 18:47	10/15/24 20:53	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378137	1	10/17/24 05:10	10/18/24 03:59	JPD	Mt. Juliet, TN

MW-144 L1784264-46 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 10:20 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374796	1	10/03/24 09:21	10/03/24 14:22	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374349	10	10/04/24 04:13	10/04/24 04:13	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374349	100	10/04/24 10:44	10/04/24 10:44	GEB	Mt. Juliet, TN
Mercury by Method 7470A	WG2376981	1	10/06/24 18:37	10/08/24 10:46	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2374921	1	10/14/24 05:51	10/15/24 11:00	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2378113	1	10/14/24 00:58	10/14/24 09:48	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378104	1	10/11/24 18:47	10/15/24 20:56	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378137	1	10/17/24 05:10	10/18/24 04:18	JPD	Mt. Juliet, TN

MW-145 L1784264-47 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 09:35 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374796	1	10/03/24 09:21	10/03/24 14:22	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374352	1	10/03/24 04:53	10/03/24 04:53	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374352	10	10/03/24 09:59	10/03/24 09:59	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374352	20	10/09/24 11:21	10/09/24 11:21	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378137	1	10/17/24 05:10	10/18/24 04:21	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2378293	1	10/09/24 00:51	10/09/24 00:51	KST	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379215	1	10/10/24 01:24	10/10/24 01:24	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381333	1	10/15/24 08:31	10/15/24 22:17	MAA	Mt. Juliet, TN

MW-146 L1784264-48 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 08:20 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374796	1	10/03/24 09:21	10/03/24 14:22	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374352	1	10/03/24 05:06	10/03/24 05:06	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374352	10	10/03/24 10:12	10/03/24 10:12	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374352	20	10/09/24 11:34	10/09/24 11:34	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378137	1	10/17/24 05:10	10/18/24 04:24	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2378293	1	10/09/24 01:12	10/09/24 01:12	KST	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379215	1	10/10/24 01:45	10/10/24 01:45	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381333	1	10/15/24 08:31	10/15/24 22:37	MAA	Mt. Juliet, TN

MW-135 L1784264-49 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 12:40 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374796	1	10/03/24 09:21	10/03/24 14:22	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374349	10	10/04/24 04:27	10/04/24 04:27	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374349	100	10/04/24 10:58	10/04/24 10:58	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378137	1	10/17/24 05:10	10/18/24 04:27	JPD	Mt. Juliet, TN

MW-135 L1784264-49 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 12:40 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2378293	1	10/09/24 01:34	10/09/24 01:34	KST	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379215	1	10/10/24 02:06	10/10/24 02:06	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381335	1	10/14/24 16:12	10/15/24 09:34	AUU	Mt. Juliet, TN

MW-147 L1784264-50 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 11:55 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374797	1	10/03/24 09:20	10/03/24 15:55	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374352	1	10/03/24 05:19	10/03/24 05:19	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374352	10	10/03/24 10:25	10/03/24 10:25	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374352	20	10/09/24 11:48	10/09/24 11:48	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378137	1	10/17/24 05:10	10/18/24 04:30	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2378293	1	10/09/24 01:56	10/09/24 01:56	KST	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379215	1	10/10/24 02:27	10/10/24 02:27	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381335	1	10/14/24 16:12	10/15/24 09:54	TJD	Mt. Juliet, TN

MW-148 L1784264-51 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 11:05 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2376988	1	10/07/24 08:44	10/07/24 12:23	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374352	1	10/03/24 05:31	10/03/24 05:31	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374352	10	10/03/24 10:37	10/03/24 10:37	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374352	20	10/09/24 12:01	10/09/24 12:01	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378137	1	10/17/24 05:10	10/18/24 04:33	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2378293	1	10/09/24 02:17	10/09/24 02:17	KST	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379215	1	10/10/24 02:48	10/10/24 02:48	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381335	1	10/14/24 16:12	10/15/24 10:14	TJD	Mt. Juliet, TN

DUP-REST-04 L1784264-52 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 09:00 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374797	1	10/03/24 09:20	10/03/24 15:55	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374336	10	10/03/24 19:41	10/03/24 19:41	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374336	100	10/03/24 19:58	10/03/24 19:58	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378137	1	10/17/24 05:10	10/18/24 04:36	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2378293	1	10/09/24 02:39	10/09/24 02:39	KST	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379215	1	10/10/24 03:09	10/10/24 03:09	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381335	1	10/14/24 16:12	10/15/24 10:35	TJD	Mt. Juliet, TN

EB-REST-04 L1784264-53 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 08:30 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374797	1	10/03/24 09:20	10/03/24 15:55	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374336	1	10/03/24 20:15	10/03/24 20:15	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378137	1	10/17/24 05:10	10/18/24 04:39	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2378293	1	10/08/24 21:14	10/08/24 21:14	KST	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379215	1	10/09/24 20:30	10/09/24 20:30	KST	Mt. Juliet, TN

EB-REST-04 L1784264-53 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 08:30 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381335	1	10/14/24 16:12	10/15/24 10:55	TJD	Mt. Juliet, TN

MW-101 L1784264-54 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 10:40 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374797	1	10/03/24 09:20	10/03/24 15:55	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374349	1	10/04/24 04:40	10/04/24 04:40	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374349	10	10/04/24 11:11	10/04/24 11:11	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2379796	1	10/10/24 16:02	10/10/24 16:02	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378137	1	10/17/24 05:10	10/18/24 04:42	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2382625	20	10/16/24 13:33	10/16/24 13:33	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379215	1	10/10/24 03:30	10/10/24 03:30	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379873	200	10/11/24 04:11	10/11/24 04:11	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381335	1	10/14/24 16:12	10/15/24 11:15	AUU	Mt. Juliet, TN

MW-105 L1784264-55 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 12:30 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374797	1	10/03/24 09:20	10/03/24 15:55	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374349	5	10/04/24 05:34	10/04/24 05:34	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378137	1	10/17/24 05:10	10/18/24 04:45	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2378293	5	10/09/24 03:44	10/09/24 03:44	KST	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379215	5	10/10/24 04:12	10/10/24 04:12	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379873	100	10/11/24 04:30	10/11/24 04:30	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381335	1	10/14/24 16:12	10/15/24 11:36	AUU	Mt. Juliet, TN

MW-61 L1784264-56 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 12:05 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374797	1	10/03/24 09:20	10/03/24 15:55	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374349	1	10/04/24 05:48	10/04/24 05:48	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374349	10	10/04/24 11:52	10/04/24 11:52	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2379796	1	10/10/24 16:55	10/10/24 16:55	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378137	1	10/17/24 05:10	10/18/24 04:58	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2378293	10	10/09/24 04:05	10/09/24 04:05	KST	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379215	10	10/10/24 04:33	10/10/24 04:33	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381335	1	10/14/24 16:12	10/15/24 11:56	AUU	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2376822	1	10/06/24 16:43	10/07/24 17:18	AMS	Mt. Juliet, TN

TEL-4 L1784264-57 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 09:25 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374797	1	10/03/24 09:20	10/03/24 15:55	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374349	1	10/04/24 06:28	10/04/24 06:28	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374349	10	10/04/24 12:26	10/04/24 12:26	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378137	1	10/17/24 05:10	10/18/24 05:01	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2382625	1	10/16/24 13:11	10/16/24 13:11	JHH	Mt. Juliet, TN

TEL-4 L1784264-57 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 09:25 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379215	1	10/10/24 03:51	10/10/24 03:51	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379873	1	10/11/24 03:52	10/11/24 03:52	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381335	1	10/14/24 16:12	10/15/24 12:17	AUU	Mt. Juliet, TN

MW-98 L1784264-58 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 08:25 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374797	1	10/03/24 09:20	10/03/24 15:55	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374349	5	10/04/24 06:41	10/04/24 06:41	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374349	50	10/04/24 12:40	10/04/24 12:40	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378137	1	10/17/24 05:10	10/18/24 05:04	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2378295	20	10/09/24 04:58	10/09/24 04:58	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379215	50	10/10/24 04:54	10/10/24 04:54	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381335	1	10/14/24 16:12	10/15/24 12:37	AUU	Mt. Juliet, TN

MW-56 L1784264-59 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 09:55 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374797	1	10/03/24 09:20	10/03/24 15:55	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374349	1	10/04/24 06:55	10/04/24 06:55	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374349	10	10/04/24 12:53	10/04/24 12:53	GEB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2374921	1	10/14/24 05:51	10/15/24 11:02	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378104	1	10/11/24 18:47	10/15/24 20:59	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378137	1	10/17/24 05:10	10/18/24 05:07	JPD	Mt. Juliet, TN

MW-49 L1784264-60 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 13:10 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374797	1	10/03/24 09:20	10/03/24 15:55	DLS	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG2374789	5	10/03/24 16:12	10/04/24 11:10	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374352	1	10/03/24 05:44	10/03/24 05:44	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374352	1	10/09/24 12:14	10/09/24 12:14	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374352	5	10/03/24 10:50	10/03/24 10:50	GEB	Mt. Juliet, TN
Mercury by Method 7470A	WG2376981	1	10/06/24 18:37	10/08/24 10:48	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2378113	1	10/14/24 00:58	10/14/24 09:49	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378137	1	10/17/24 05:10	10/18/24 05:10	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2378676	10	10/09/24 18:47	10/09/24 18:47	WHS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379870	10	10/11/24 13:39	10/11/24 13:39	KST	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381335	1	10/14/24 16:12	10/15/24 12:57	AUU	Mt. Juliet, TN

MW-45 L1784264-61 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 11:40 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374797	1	10/03/24 09:20	10/03/24 15:55	DLS	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG2374789	1	10/03/24 16:12	10/04/24 11:11	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374352	1	10/03/24 05:57	10/03/24 05:57	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374352	10	10/03/24 11:03	10/03/24 11:03	GEB	Mt. Juliet, TN

MW-45 L1784264-61 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 11:40 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2374352	20	10/09/24 12:28	10/09/24 12:28	GEB	Mt. Juliet, TN
Mercury by Method 7470A	WG2376981	1	10/06/24 18:37	10/08/24 10:51	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2378113	1	10/14/24 00:58	10/14/24 09:51	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378138	1	10/11/24 18:41	10/18/24 12:33	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379284	1	10/10/24 05:06	10/10/24 05:06	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381335	1	10/14/24 16:12	10/15/24 13:18	AUU	Mt. Juliet, TN

DUP-TEL-01 L1784264-62 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 10:00 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374797	1	10/03/24 09:20	10/03/24 15:55	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374352	1	10/03/24 06:10	10/03/24 06:10	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374352	10	10/09/24 12:41	10/09/24 12:41	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378138	1	10/11/24 18:41	10/18/24 12:20	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2378676	1	10/09/24 13:52	10/09/24 13:52	WHS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379284	1	10/10/24 05:28	10/10/24 05:28	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381335	1	10/14/24 16:12	10/15/24 16:12	AUU	Mt. Juliet, TN

EB-TEL-01 L1784264-63 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 09:50 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374797	1	10/03/24 09:20	10/03/24 15:55	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374352	1	10/03/24 06:22	10/03/24 06:22	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374352	1	10/09/24 12:55	10/09/24 12:55	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378138	1	10/11/24 18:41	10/18/24 12:36	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2378676	1	10/09/24 13:07	10/09/24 13:07	WHS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379284	1	10/10/24 02:34	10/10/24 02:34	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381335	1	10/14/24 16:12	10/15/24 16:32	AUU	Mt. Juliet, TN

TRIP BLANK-REST-04 L1784264-64 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 00:00 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379284	1	10/10/24 01:06	10/10/24 01:06	DYW	Mt. Juliet, TN

TRIP BLANK-TEL-01 L1784264-65 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 00:00 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379284	1	10/10/24 01:28	10/10/24 01:28	DYW	Mt. Juliet, TN

MW-139 L1784264-66 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 10:00 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374797	1	10/03/24 09:20	10/03/24 15:55	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374352	1	10/03/24 06:35	10/03/24 06:35	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374352	20	10/09/24 13:48	10/09/24 13:48	GEB	Mt. Juliet, TN

SAMPLE SUMMARY

MW-139 L1784264-66 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 10:00 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020	WG2378138	1	10/11/24 18:41	10/18/24 12:39	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2378676	1	10/09/24 14:15	10/09/24 14:15	WHS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379284	1	10/10/24 05:50	10/10/24 05:50	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381335	1	10/14/24 16:12	10/15/24 16:53	AUU	Mt. Juliet, TN

MW-50 L1784264-67 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 12:55 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374797	1	10/03/24 09:20	10/03/24 15:55	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374352	1	10/03/24 06:48	10/03/24 06:48	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374352	20	10/09/24 14:02	10/09/24 14:02	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378138	1	10/11/24 18:41	10/18/24 12:42	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379284	1	10/10/24 06:12	10/10/24 06:12	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381335	1	10/14/24 16:12	10/15/24 17:13	AUU	Mt. Juliet, TN

MW-90 L1784264-68 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 12:15 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374797	1	10/03/24 09:20	10/03/24 15:55	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374352	1	10/03/24 07:26	10/03/24 07:26	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374352	10	10/03/24 12:32	10/03/24 12:32	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374352	20	10/09/24 14:42	10/09/24 14:42	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378138	1	10/11/24 18:41	10/18/24 12:52	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2378676	1	10/09/24 14:37	10/09/24 14:37	WHS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379320	1	10/10/24 05:09	10/10/24 05:09	KST	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2383296	1	10/16/24 22:43	10/16/24 22:43	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381335	1	10/14/24 16:12	10/15/24 21:13	DMG	Mt. Juliet, TN

MW-96 L1784264-69 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 08:55 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374797	1	10/03/24 09:20	10/03/24 15:55	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374352	1	10/03/24 07:39	10/03/24 07:39	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374352	10	10/03/24 13:10	10/03/24 13:10	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374352	10	10/09/24 14:58	10/09/24 14:58	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378138	1	10/11/24 18:41	10/18/24 12:58	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2378676	10	10/09/24 19:10	10/09/24 19:10	WHS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379451	1000	10/10/24 12:24	10/10/24 12:24	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381335	1	10/14/24 16:12	10/15/24 21:46	DMG	Mt. Juliet, TN

NCL-33 L1784264-70 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 09:10 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374797	1	10/03/24 09:20	10/03/24 15:55	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374352	1	10/03/24 07:52	10/03/24 07:52	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374352	10	10/03/24 13:23	10/03/24 13:23	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374352	10	10/09/24 15:12	10/09/24 15:12	GEB	Mt. Juliet, TN

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

NCL-33 L1784264-70 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 09:10 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020	WG2378138	1	10/11/24 18:41	10/18/24 13:02	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379320	1	10/10/24 05:31	10/10/24 05:31	KST	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2383296	1	10/16/24 23:03	10/16/24 23:03	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381335	5	10/14/24 16:12	10/16/24 15:47	AUU	Mt. Juliet, TN

MW-108 L1784264-71 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 10:25 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374797	1	10/03/24 09:20	10/03/24 15:55	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374352	1	10/03/24 08:04	10/03/24 08:04	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374352	10	10/09/24 15:25	10/09/24 15:25	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378138	1	10/11/24 18:41	10/18/24 13:05	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379320	1	10/10/24 05:52	10/10/24 05:52	KST	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2383296	1	10/16/24 23:23	10/16/24 23:23	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381335	1	10/14/24 16:12	10/15/24 22:27	DMG	Mt. Juliet, TN

NCL-31 L1784264-72 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 09:45 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374798	1	10/03/24 15:33	10/04/24 10:00	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374352	1	10/03/24 08:17	10/03/24 08:17	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374352	10	10/09/24 15:39	10/09/24 15:39	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378138	1	10/11/24 18:41	10/18/24 13:08	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379320	1	10/10/24 06:14	10/10/24 06:14	KST	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2383296	1	10/16/24 23:43	10/16/24 23:43	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381337	1	10/15/24 08:23	10/15/24 15:03	MAA	Mt. Juliet, TN

MW-55 L1784264-73 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 11:25 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374798	1	10/03/24 15:33	10/04/24 10:00	DLS	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG2374789	1	10/03/24 16:12	10/04/24 11:13	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374352	1	10/03/24 08:30	10/03/24 08:30	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374352	10	10/03/24 14:01	10/03/24 14:01	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374352	10	10/09/24 15:52	10/09/24 15:52	GEB	Mt. Juliet, TN
Mercury by Method 7470A	WG2376981	1	10/06/24 18:37	10/08/24 10:53	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2374921	1	10/14/24 05:51	10/15/24 11:03	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2378113	1	10/14/24 00:58	10/14/24 09:53	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378104	1	10/11/24 18:47	10/15/24 21:03	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378138	1	10/11/24 18:41	10/18/24 13:11	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2378676	1	10/09/24 15:00	10/09/24 15:00	WHS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379451	10	10/10/24 12:44	10/10/24 12:44	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381337	1	10/15/24 08:23	10/15/24 15:23	MAA	Mt. Juliet, TN

MW-54A L1784264-74 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 12:05 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374798	1	10/03/24 15:33	10/04/24 10:00	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374352	1	10/03/24 08:43	10/03/24 08:43	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374352	10	10/03/24 14:14	10/03/24 14:14	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374352	10	10/09/24 16:06	10/09/24 16:06	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378138	1	10/11/24 18:41	10/18/24 13:14	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379320	1	10/10/24 06:36	10/10/24 06:36	KST	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2383296	1	10/17/24 00:03	10/17/24 00:03	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381337	1	10/15/24 08:23	10/17/24 13:04	MAA	Mt. Juliet, TN

NCL-49 L1784264-75 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 10:55 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374798	1	10/03/24 15:33	10/04/24 10:00	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374352	1	10/03/24 08:55	10/03/24 08:55	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374352	20	10/09/24 16:19	10/09/24 16:19	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378138	1	10/11/24 18:41	10/18/24 13:17	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379320	1	10/10/24 06:58	10/10/24 06:58	KST	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2383296	1	10/17/24 00:23	10/17/24 00:23	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381337	1	10/15/24 08:23	10/15/24 15:43	MAA	Mt. Juliet, TN

DUP-NCL-01 L1784264-76 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 09:30 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374798	1	10/03/24 15:33	10/04/24 10:00	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374352	1	10/03/24 09:08	10/03/24 09:08	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374352	20	10/09/24 16:33	10/09/24 16:33	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378138	1	10/11/24 18:41	10/18/24 13:21	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379320	1	10/10/24 07:19	10/10/24 07:19	KST	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2383296	1	10/17/24 00:43	10/17/24 00:43	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381337	1	10/15/24 08:23	10/15/24 16:03	MAA	Mt. Juliet, TN

EB-NCL-01 L1784264-77 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 11:15 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374798	1	10/03/24 15:33	10/04/24 10:00	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374352	1	10/03/24 09:21	10/03/24 09:21	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374352	1	10/09/24 16:46	10/09/24 16:46	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378138	1	10/11/24 18:41	10/18/24 13:32	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379320	1	10/10/24 04:47	10/10/24 04:47	KST	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2383296	1	10/17/24 01:03	10/17/24 01:03	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381337	1	10/15/24 08:23	10/15/24 16:23	MAA	Mt. Juliet, TN

TRIP BLANK-NCL-01 L1784264-78 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 00:00 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379320	1	10/10/24 04:03	10/10/24 04:03	KST	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2383296	1	10/16/24 21:42	10/16/24 21:42	ADM	Mt. Juliet, TN

MW-120 L1784264-79 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 08:25 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374798	1	10/03/24 15:33	10/04/24 10:00	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374336	10	10/03/24 21:22	10/03/24 21:22	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374336	100	10/03/24 21:39	10/03/24 21:39	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378138	1	10/11/24 18:41	10/18/24 13:35	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378138	5	10/11/24 18:41	10/18/24 13:59	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2378676	1	10/09/24 15:23	10/09/24 15:23	WHS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379320	1	10/10/24 07:41	10/10/24 07:41	KST	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2383296	1	10/17/24 01:23	10/17/24 01:23	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381337	1	10/15/24 08:23	10/15/24 16:43	MAA	Mt. Juliet, TN

MW-121 L1784264-80 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 09:10 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374798	1	10/03/24 15:33	10/04/24 10:00	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374336	10	10/03/24 21:56	10/03/24 21:56	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374336	100	10/03/24 22:13	10/03/24 22:13	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378138	1	10/11/24 18:41	10/18/24 13:39	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2378676	1	10/09/24 15:45	10/09/24 15:45	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381337	1	10/15/24 08:23	10/16/24 15:25	DMG	Mt. Juliet, TN

MW-84 L1784264-81 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 09:55 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374798	1	10/03/24 15:33	10/04/24 10:00	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374336	10	10/03/24 23:04	10/03/24 23:04	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374336	100	10/03/24 23:21	10/03/24 23:21	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378138	1	10/11/24 18:41	10/18/24 14:09	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378138	5	10/11/24 18:41	10/18/24 13:42	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2378676	1	10/09/24 16:08	10/09/24 16:08	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381337	20	10/15/24 08:23	10/16/24 02:12	MAA	Mt. Juliet, TN

MW-122 L1784264-82 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 11:40 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374798	1	10/03/24 15:33	10/04/24 10:00	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374336	10	10/03/24 12:37	10/03/24 12:37	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378138	1	10/11/24 18:41	10/18/24 13:45	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2378676	1	10/09/24 16:31	10/09/24 16:31	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381337	1	10/15/24 08:23	10/15/24 23:11	DMG	Mt. Juliet, TN

MW-79 L1784264-83 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 10:50 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374798	1	10/03/24 15:33	10/04/24 10:00	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374336	10	10/03/24 11:46	10/03/24 11:46	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374336	100	10/03/24 12:03	10/03/24 12:03	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378138	1	10/11/24 18:41	10/18/24 13:48	JPD	Mt. Juliet, TN

MW-79 L1784264-83 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 10:50 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2378676	1	10/09/24 16:54	10/09/24 16:54	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381337	1	10/15/24 08:23	10/15/24 17:24	MAA	Mt. Juliet, TN

MW-74 L1784264-84 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 14:35 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374798	1	10/03/24 15:33	10/04/24 10:00	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374336	10	10/03/24 18:16	10/03/24 18:16	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374336	100	10/03/24 18:33	10/03/24 18:33	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378140	1	10/11/24 15:29	10/18/24 01:36	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378140	5	10/11/24 15:29	10/18/24 13:22	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2378676	10	10/09/24 19:33	10/09/24 19:33	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381337	5	10/15/24 08:23	10/16/24 18:10	AUU	Mt. Juliet, TN

MW-2A L1784264-85 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 12:20 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374798	1	10/03/24 15:33	10/04/24 10:00	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374336	10	10/03/24 13:45	10/03/24 13:45	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374336	100	10/03/24 14:02	10/03/24 14:02	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378140	1	10/11/24 15:29	10/18/24 01:52	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378140	5	10/11/24 15:29	10/18/24 13:26	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2378676	1	10/09/24 17:16	10/09/24 17:16	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381337	1	10/15/24 08:23	10/16/24 15:05	DMG	Mt. Juliet, TN

OCD-6 L1784264-86 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 13:10 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374798	1	10/03/24 15:33	10/04/24 10:00	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374336	10	10/03/24 15:26	10/03/24 15:26	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374336	100	10/03/24 15:43	10/03/24 15:43	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378140	1	10/11/24 15:29	10/18/24 01:56	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378140	5	10/11/24 15:29	10/18/24 13:29	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2378676	1	10/09/24 17:39	10/09/24 17:39	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381337	1	10/15/24 08:23	10/16/24 00:12	MAA	Mt. Juliet, TN

OCD-7AR L1784264-87 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 13:50 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374798	1	10/03/24 15:33	10/04/24 10:00	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374336	10	10/03/24 16:34	10/03/24 16:34	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374336	100	10/03/24 16:51	10/03/24 16:51	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378140	1	10/11/24 15:29	10/18/24 02:02	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378140	5	10/11/24 15:29	10/18/24 13:32	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2380369	1	10/11/24 21:16	10/11/24 21:16	CDD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381337	1	10/15/24 08:23	10/16/24 00:32	MAA	Mt. Juliet, TN

EB-EP-01 L1784264-88 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 14:50 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374798	1	10/03/24 15:33	10/04/24 10:00	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374336	1	10/03/24 18:50	10/03/24 18:50	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378140	1	10/11/24 15:29	10/18/24 02:05	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2378676	1	10/09/24 13:29	10/09/24 13:29	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381337	1	10/15/24 08:23	10/16/24 00:52	MAA	Mt. Juliet, TN

EB-EP-04 L1784264-89 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 11:05 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2374798	1	10/03/24 15:33	10/04/24 10:00	DLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2374336	1	10/03/24 12:20	10/03/24 12:20	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378140	1	10/11/24 15:29	10/18/24 02:51	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2378685	1	10/09/24 12:17	10/09/24 12:17	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381337	1	10/15/24 08:23	10/15/24 17:44	MAA	Mt. Juliet, TN

TRIP BLANK-EP-01 L1784264-90 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/01/24 00:00 | Received date/time: 10/02/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379320	1	10/10/24 04:25	10/10/24 04:25	KST	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2383296	1	10/16/24 22:02	10/16/24 22:02	ADM	Mt. Juliet, TN

MW-113 L1784264-91 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/02/24 10:45 | Received date/time: 10/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2375956	1	10/04/24 12:13	10/05/24 10:47	JAC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2375326	1	10/04/24 01:44	10/04/24 01:44	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2378628	1	10/09/24 16:43	10/09/24 16:43	AJC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2378628	10	10/09/24 16:54	10/09/24 16:54	AJC	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378670	1	10/18/24 01:20	10/18/24 19:50	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2379216	20	10/10/24 03:11	10/10/24 03:11	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2382529	100	10/15/24 16:38	10/15/24 16:38	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381934	1	10/15/24 14:55	10/17/24 00:02	AUU	Mt. Juliet, TN

MW-134 L1784264-92 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/02/24 08:55 | Received date/time: 10/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2375956	1	10/04/24 12:13	10/05/24 10:47	JAC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2378628	10	10/09/24 17:27	10/09/24 17:27	AJC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2378628	100	10/09/24 17:37	10/09/24 17:37	AJC	Mt. Juliet, TN
Mercury by Method 7470A	WG2375347	1	10/06/24 15:08	10/07/24 13:24	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2378120	1	10/14/24 08:30	10/14/24 12:24	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378670	1	10/18/24 01:20	10/18/24 20:09	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2379216	1	10/10/24 00:56	10/10/24 00:56	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379836	1	10/10/24 20:53	10/10/24 20:53	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2382022	1	10/15/24 00:13	10/15/24 00:13	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2382578	1	10/16/24 13:35	10/17/24 06:41	TJD	Mt. Juliet, TN

NP-1 L1784264-93 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/02/24 08:15 | Received date/time: 10/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379836	20	10/10/24 22:14	10/10/24 22:14	DYW	Mt. Juliet, TN

DUP-REST-01 L1784264-94 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/02/24 10:00 | Received date/time: 10/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2375956	1	10/04/24 12:13	10/05/24 10:47	JAC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2375326	1	10/04/24 02:50	10/04/24 02:50	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2378628	1	10/09/24 17:48	10/09/24 17:48	AJC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2378628	10	10/09/24 17:59	10/09/24 17:59	AJC	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378670	1	10/18/24 01:20	10/18/24 20:12	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2379216	20	10/10/24 03:34	10/10/24 03:34	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379836	20	10/10/24 22:34	10/10/24 22:34	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2382022	250	10/15/24 00:54	10/15/24 00:54	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2382578	1	10/16/24 13:35	10/17/24 07:01	AUU	Mt. Juliet, TN

EB-REST-01 L1784264-95 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/02/24 11:25 | Received date/time: 10/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2375968	1	10/04/24 12:41	10/05/24 08:00	JAC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2375326	1	10/04/24 03:12	10/04/24 03:12	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2378628	1	10/09/24 18:10	10/09/24 18:10	AJC	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378670	1	10/18/24 01:20	10/18/24 20:52	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2379216	1	10/09/24 23:24	10/09/24 23:24	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379836	1	10/10/24 18:50	10/10/24 18:50	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2382578	1	10/16/24 13:35	10/17/24 07:22	AUU	Mt. Juliet, TN

EB-REST-03 L1784264-96 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/02/24 09:15 | Received date/time: 10/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2375968	1	10/04/24 12:41	10/05/24 08:00	JAC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2375326	1	10/04/24 03:44	10/04/24 03:44	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2378628	1	10/09/24 18:21	10/09/24 18:21	AJC	Mt. Juliet, TN
Mercury by Method 7470A	WG2375347	1	10/06/24 15:08	10/07/24 13:27	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2378120	1	10/14/24 08:30	10/14/24 11:59	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378670	1	10/18/24 01:20	10/18/24 20:55	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2379216	1	10/09/24 23:47	10/09/24 23:47	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379836	1	10/10/24 19:10	10/10/24 19:10	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2382578	1	10/16/24 13:35	10/17/24 07:43	AUU	Mt. Juliet, TN

MW-104 L1784264-97 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/02/24 09:00 | Received date/time: 10/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2375956	1	10/04/24 12:13	10/05/24 10:47	JAC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2375326	5	10/04/24 03:55	10/04/24 03:55	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2378628	1	10/09/24 18:32	10/09/24 18:32	AJC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2378628	5	10/09/24 18:43	10/09/24 18:43	AJC	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378670	1	10/18/24 01:20	10/18/24 20:58	UNP	Mt. Juliet, TN

MW-104 L1784264-97 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/02/24 09:00 | Received date/time: 10/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2379216	1	10/10/24 01:18	10/10/24 01:18	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379836	1	10/10/24 21:13	10/10/24 21:13	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2382578	1	10/16/24 13:35	10/17/24 08:03	AUU	Mt. Juliet, TN

MW-64 L1784264-98 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/02/24 08:15 | Received date/time: 10/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2375956	1	10/04/24 12:13	10/05/24 10:47	JAC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2375326	1	10/04/24 04:17	10/04/24 04:17	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2378628	1	10/09/24 18:54	10/09/24 18:54	AJC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2378628	10	10/09/24 19:05	10/09/24 19:05	AJC	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378670	1	10/18/24 01:20	10/18/24 21:05	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2379216	25	10/10/24 03:57	10/10/24 03:57	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379836	500	10/10/24 22:54	10/10/24 22:54	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2382578	1	10/16/24 13:35	10/17/24 08:24	AUU	Mt. Juliet, TN

MW-102 L1784264-99 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/02/24 09:55 | Received date/time: 10/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2375956	1	10/04/24 12:13	10/05/24 10:47	JAC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2375326	1	10/04/24 04:39	10/04/24 04:39	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2378628	1	10/09/24 19:37	10/09/24 19:37	AJC	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378670	1	10/18/24 01:20	10/18/24 21:08	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2379216	10	10/10/24 04:20	10/10/24 04:20	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379836	250	10/10/24 23:14	10/10/24 23:14	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2382578	1	10/16/24 13:35	10/17/24 08:44	AUU	Mt. Juliet, TN

MW-116 L1784264-100 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/02/24 11:25 | Received date/time: 10/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2375956	1	10/04/24 12:13	10/05/24 10:47	JAC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2375326	10	10/03/24 23:55	10/03/24 23:55	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2378628	10	10/09/24 12:10	10/09/24 12:10	AJC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2378628	100	10/09/24 12:21	10/09/24 12:21	AJC	Mt. Juliet, TN
Mercury by Method 7470A	WG2375347	1	10/06/24 15:08	10/07/24 12:31	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2378038	1	10/19/24 13:42	10/20/24 08:09	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2378120	1	10/14/24 08:30	10/14/24 12:22	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378667	1	10/17/24 03:23	10/18/24 17:03	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378667	1	10/17/24 03:23	10/18/24 21:35	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2378105	1	10/19/24 11:25	10/20/24 18:50	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2379216	1	10/10/24 00:33	10/10/24 00:33	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379836	1	10/10/24 19:31	10/10/24 19:31	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381340	10	10/14/24 07:18	10/14/24 23:27	MAA	Mt. Juliet, TN

MW-46R L1784264-101 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/02/24 12:30 | Received date/time: 10/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2375394	1	10/04/24 12:45	10/05/24 08:38	JAC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2375326	10	10/04/24 00:17	10/04/24 00:17	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2378628	1	10/09/24 12:32	10/09/24 12:32	AJC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2378628	10	10/09/24 12:43	10/09/24 12:43	AJC	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378667	1	10/17/24 03:23	10/18/24 16:51	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378667	1	10/17/24 03:23	10/18/24 21:22	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379836	1	10/10/24 19:51	10/10/24 19:51	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381340	1	10/14/24 07:18	10/14/24 23:46	MAA	Mt. Juliet, TN

DUP-REST-02 L1784264-102 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/02/24 10:00 | Received date/time: 10/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2375956	1	10/04/24 12:13	10/05/24 10:47	JAC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2375326	1	10/04/24 00:39	10/04/24 00:39	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2378628	1	10/09/24 12:54	10/09/24 12:54	AJC	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378670	1	10/18/24 01:20	10/18/24 20:02	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2379216	50	10/10/24 02:49	10/10/24 02:49	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379836	250	10/10/24 21:33	10/10/24 21:33	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381340	1	10/14/24 07:18	10/15/24 01:05	MAA	Mt. Juliet, TN

EB-REST-02 L1784264-103 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/02/24 10:15 | Received date/time: 10/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2375956	1	10/04/24 12:13	10/05/24 10:47	JDG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2375326	1	10/04/24 01:01	10/04/24 01:01	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2378628	1	10/09/24 13:37	10/09/24 13:37	AJC	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2378670	1	10/18/24 01:20	10/18/24 20:06	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2379216	1	10/09/24 23:01	10/09/24 23:01	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2391882	1	10/30/24 07:02	10/30/24 07:02	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379836	1	10/10/24 18:29	10/10/24 18:29	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381340	1	10/14/24 07:18	10/15/24 01:24	DMG	Mt. Juliet, TN

TRIP BLANK-REST-03 L1784264-104 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/02/24 00:00 | Received date/time: 10/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379836	1	10/10/24 17:49	10/10/24 17:49	DYW	Mt. Juliet, TN

TRIP BLANK-REST-01 L1784264-105 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/02/24 00:00 | Received date/time: 10/03/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379836	1	10/10/24 18:09	10/10/24 18:09	DYW	Mt. Juliet, TN

MW-22A L1784264-106 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/02/24 08:10 | Received date/time: 10/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2376599	1	10/06/24 11:30	10/07/24 09:26	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2376117	10	10/05/24 04:56	10/05/24 04:56	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2376117	100	10/05/24 05:07	10/05/24 05:07	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378675	1	10/16/24 22:14	10/17/24 11:39	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378675	5	10/16/24 22:14	10/17/24 12:36	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2379330	1	10/10/24 08:42	10/10/24 08:42	KST	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381340	1	10/14/24 07:18	10/15/24 01:44	MAA	Mt. Juliet, TN

MW-10 L1784264-107 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/02/24 09:05 | Received date/time: 10/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2376599	1	10/06/24 11:30	10/07/24 09:26	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2376117	10	10/05/24 05:18	10/05/24 05:18	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378675	1	10/16/24 22:14	10/17/24 11:42	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2379330	20	10/10/24 15:19	10/10/24 15:19	KST	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381340	1	10/14/24 07:18	10/15/24 15:22	MAA	Mt. Juliet, TN

MW-123 L1784264-108 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/02/24 09:45 | Received date/time: 10/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2376599	1	10/06/24 11:30	10/07/24 09:26	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2376117	10	10/05/24 05:40	10/05/24 05:40	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2376117	100	10/05/24 05:51	10/05/24 05:51	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378675	1	10/16/24 22:14	10/17/24 11:30	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378675	5	10/16/24 22:14	10/17/24 12:39	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2379330	1	10/10/24 09:04	10/10/24 09:04	KST	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381340	1	10/14/24 07:18	10/15/24 02:23	MAA	Mt. Juliet, TN

DUP-EP-02 L1784264-109 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/02/24 11:00 | Received date/time: 10/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2376599	1	10/06/24 11:30	10/07/24 09:26	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2376117	10	10/05/24 06:02	10/05/24 06:02	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2376117	100	10/05/24 06:12	10/05/24 06:12	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378675	1	10/16/24 22:14	10/17/24 11:49	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378675	5	10/16/24 22:14	10/17/24 12:42	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2379330	1	10/10/24 09:26	10/10/24 09:26	KST	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381340	1	10/14/24 07:18	10/15/24 02:43	MAA	Mt. Juliet, TN

MW-141 L1784264-110 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/02/24 13:35 | Received date/time: 10/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2376599	1	10/06/24 11:30	10/07/24 09:26	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2376117	10	10/05/24 06:23	10/05/24 06:23	GEB	Mt. Juliet, TN
Mercury by Method 7470A	WG2376097	1	10/07/24 15:28	10/09/24 14:35	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2378062	1	10/16/24 14:14	10/17/24 09:24	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2378641	1	10/15/24 13:25	10/15/24 19:41	MAP	Mt. Juliet, TN

MW-141 L1784264-110 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/02/24 13:35 | Received date/time: 10/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020	WG2378107	1	10/15/24 10:19	10/17/24 18:20	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378107	1	10/15/24 10:19	10/17/24 22:53	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378675	1	10/16/24 22:14	10/17/24 11:52	JPD	Mt. Juliet, TN

MW-21 L1784264-111 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/02/24 12:00 | Received date/time: 10/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2376599	1	10/06/24 11:30	10/07/24 09:26	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2376117	10	10/05/24 07:07	10/05/24 07:07	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2376117	100	10/05/24 07:18	10/05/24 07:18	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378675	1	10/16/24 22:14	10/17/24 12:14	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2379330	1	10/10/24 09:48	10/10/24 09:48	KST	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379836	1	10/10/24 20:12	10/10/24 20:12	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381340	1	10/14/24 07:18	10/15/24 14:03	MAA	Mt. Juliet, TN

MW-151 L1784264-112 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/02/24 13:25 | Received date/time: 10/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2379330	1	10/10/24 10:10	10/10/24 10:10	KST	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379836	1	10/10/24 20:32	10/10/24 20:32	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2382022	20	10/15/24 00:33	10/15/24 00:33	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381340	1	10/14/24 07:18	10/15/24 03:22	MAA	Mt. Juliet, TN

MW-152 L1784264-113 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/02/24 12:40 | Received date/time: 10/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2379330	1	10/10/24 10:32	10/10/24 10:32	KST	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379879	1	10/10/24 17:42	10/10/24 17:42	KST	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2383333	10	10/18/24 01:53	10/18/24 01:53	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381340	1	10/14/24 07:18	10/15/24 03:42	MAA	Mt. Juliet, TN

MW-153 L1784264-114 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/02/24 08:55 | Received date/time: 10/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2380072	1	10/10/24 22:41	10/10/24 22:41	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379879	1	10/10/24 18:04	10/10/24 18:04	KST	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381340	1	10/14/24 07:18	10/15/24 04:02	MAA	Mt. Juliet, TN

MW-154 L1784264-115 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/02/24 09:45 | Received date/time: 10/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2380072	1	10/10/24 23:04	10/10/24 23:04	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379879	1	10/10/24 18:26	10/10/24 18:26	KST	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381340	1	10/14/24 07:18	10/15/24 04:21	MAA	Mt. Juliet, TN

MW-155 L1784264-116 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/02/24 10:30 | Received date/time: 10/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2380072	1	10/10/24 23:26	10/10/24 23:26	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379879	1	10/10/24 18:48	10/10/24 18:48	KST	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2383333	1	10/18/24 00:29	10/18/24 00:29	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381934	1	10/15/24 14:55	10/16/24 17:55	AUU	Mt. Juliet, TN

MW-156 L1784264-117 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/02/24 10:15 | Received date/time: 10/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2380072	1	10/10/24 23:49	10/10/24 23:49	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379879	1	10/10/24 19:11	10/10/24 19:11	KST	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381934	1	10/15/24 14:55	10/16/24 18:15	AUU	Mt. Juliet, TN

DUP-REST-03 L1784264-118 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/02/24 09:35 | Received date/time: 10/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2376599	1	10/06/24 11:30	10/07/24 09:26	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2376117	10	10/05/24 07:29	10/05/24 07:29	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2376117	100	10/05/24 07:40	10/05/24 07:40	GEB	Mt. Juliet, TN
Mercury by Method 7470A	WG2376097	1	10/07/24 15:28	10/09/24 14:38	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2378641	1	10/15/24 13:25	10/15/24 19:43	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378675	1	10/16/24 22:14	10/17/24 12:17	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2380072	1	10/11/24 00:12	10/11/24 00:12	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379879	1	10/10/24 19:33	10/10/24 19:33	KST	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381934	1	10/15/24 14:55	10/16/24 18:36	AUU	Mt. Juliet, TN

TRIP BLANK-TMD-01 L1784264-119 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/02/24 00:00 | Received date/time: 10/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2383329	1	10/16/24 22:22	10/16/24 22:22	ADM	Mt. Juliet, TN

MW-160 L1784264-120 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/02/24 13:35 | Received date/time: 10/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2380072	1	10/11/24 00:35	10/11/24 00:35	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379879	1	10/10/24 19:55	10/10/24 19:55	KST	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2383333	50	10/18/24 02:14	10/18/24 02:14	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381934	1	10/15/24 14:55	10/16/24 18:56	AUU	Mt. Juliet, TN

KWB-1A L1784264-121 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/02/24 09:55 | Received date/time: 10/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2376599	1	10/06/24 11:30	10/07/24 09:26	MMF	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG2376830	1	10/07/24 06:55	10/07/24 16:26	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2376117	10	10/05/24 07:51	10/05/24 07:51	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2376117	100	10/05/24 08:02	10/05/24 08:02	GEB	Mt. Juliet, TN

KWB-1A L1784264-121 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/02/24 09:55 | Received date/time: 10/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG2376097	1	10/07/24 15:28	10/09/24 14:40	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2378641	1	10/15/24 13:25	10/15/24 19:44	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378677	1	10/18/24 00:07	10/18/24 23:14	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379879	1	10/10/24 20:18	10/10/24 20:18	KST	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381934	1	10/15/24 14:55	10/16/24 19:17	AUU	Mt. Juliet, TN

KWB-12B L1784264-122 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/02/24 12:15 | Received date/time: 10/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2376599	1	10/06/24 11:30	10/07/24 09:26	MMF	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG2376830	5	10/07/24 06:55	10/07/24 16:27	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2376117	10	10/05/24 08:12	10/05/24 08:12	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2376117	100	10/05/24 08:23	10/05/24 08:23	GEB	Mt. Juliet, TN
Mercury by Method 7470A	WG2376097	1	10/07/24 15:28	10/09/24 14:43	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2378641	1	10/15/24 13:25	10/15/24 19:50	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378677	1	10/18/24 00:07	10/18/24 23:17	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2380072	1	10/11/24 00:57	10/11/24 00:57	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379879	1	10/10/24 20:40	10/10/24 20:40	KST	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381934	1	10/15/24 14:55	10/16/24 19:37	AUU	Mt. Juliet, TN

DUP-REST-05 L1784264-123 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/02/24 12:00 | Received date/time: 10/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2376599	1	10/06/24 11:30	10/07/24 09:26	MMF	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG2376830	5	10/07/24 06:55	10/07/24 16:29	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2376117	10	10/05/24 08:34	10/05/24 08:34	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2376117	100	10/05/24 08:45	10/05/24 08:45	GEB	Mt. Juliet, TN
Mercury by Method 7470A	WG2376097	1	10/07/24 15:28	10/09/24 14:45	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2378641	1	10/15/24 13:25	10/15/24 19:51	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378677	1	10/18/24 00:07	10/18/24 23:21	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2380072	1	10/11/24 01:20	10/11/24 01:20	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379879	1	10/10/24 21:02	10/10/24 21:02	KST	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381934	1	10/15/24 14:55	10/16/24 19:57	AUU	Mt. Juliet, TN

EB-REST-05 L1784264-124 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/02/24 12:35 | Received date/time: 10/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2376599	1	10/06/24 11:30	10/07/24 09:26	MMF	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG2376830	1	10/07/24 06:55	10/07/24 16:30	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2376117	1	10/05/24 09:18	10/05/24 09:18	GEB	Mt. Juliet, TN
Mercury by Method 7470A	WG2376097	1	10/07/24 15:28	10/09/24 15:20	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2378641	1	10/15/24 13:25	10/15/24 19:53	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378677	1	10/18/24 00:07	10/18/24 23:24	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2380072	1	10/10/24 22:18	10/10/24 22:18	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379879	1	10/10/24 17:20	10/10/24 17:20	KST	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381934	1	10/15/24 14:55	10/16/24 20:18	AUU	Mt. Juliet, TN

TRIP BLANK-REST-02 L1784264-125 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/02/24 00:00 | Received date/time: 10/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379879	1	10/10/24 16:35	10/10/24 16:35	KST	Mt. Juliet, TN

MW-106 L1784264-126 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/02/24 12:55 | Received date/time: 10/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2376599	1	10/06/24 11:30	10/07/24 09:26	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2376117	1	10/05/24 10:02	10/05/24 10:02	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2376117	10	10/05/24 10:34	10/05/24 10:34	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378677	1	10/18/24 00:07	10/18/24 23:39	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2380072	25	10/11/24 05:07	10/11/24 05:07	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379879	500	10/10/24 23:15	10/10/24 23:15	KST	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381934	1	10/15/24 14:55	10/16/24 20:38	AUU	Mt. Juliet, TN

MW-157 L1784264-127 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/02/24 09:40 | Received date/time: 10/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2380326	10	10/11/24 22:20	10/11/24 22:20	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379879	1	10/10/24 21:25	10/10/24 21:25	KST	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2383333	200	10/18/24 02:34	10/18/24 02:34	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381934	1	10/15/24 14:55	10/17/24 13:11	CLG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2384695	1	10/18/24 10:31	10/18/24 23:16	KDB	Mt. Juliet, TN

MW-158 L1784264-128 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/02/24 08:55 | Received date/time: 10/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2380326	1	10/11/24 21:37	10/11/24 21:37	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379879	1	10/10/24 21:47	10/10/24 21:47	KST	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2383333	1	10/18/24 00:50	10/18/24 00:50	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381934	1	10/15/24 14:55	10/16/24 21:19	AUU	Mt. Juliet, TN

MW-159 L1784264-129 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/02/24 07:55 | Received date/time: 10/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2380072	1	10/11/24 02:28	10/11/24 02:28	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379879	1	10/10/24 22:09	10/10/24 22:09	KST	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2383333	25	10/18/24 02:56	10/18/24 02:56	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381934	1	10/15/24 14:55	10/16/24 21:39	AUU	Mt. Juliet, TN

MW-130 L1784264-130 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/02/24 11:15 | Received date/time: 10/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2376599	1	10/06/24 11:30	10/07/24 09:26	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2376117	1	10/05/24 10:56	10/05/24 10:56	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2376117	10	10/05/24 11:07	10/05/24 11:07	GEB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378677	1	10/18/24 00:07	10/18/24 23:42	UNP	Mt. Juliet, TN

MW-130 L1784264-130 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/02/24 11:15 | Received date/time: 10/04/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2380072	1	10/11/24 02:51	10/11/24 02:51	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379879	1	10/10/24 22:31	10/10/24 22:31	KST	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2383333	1	10/18/24 01:11	10/18/24 01:11	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381934	1	10/15/24 14:55	10/16/24 22:00	AUU	Mt. Juliet, TN

MW-52 L1784264-131 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/02/24 11:15 | Received date/time: 10/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2378547	1	10/09/24 10:40	10/09/24 13:44	JAC	Mt. Juliet, TN
Wet Chemistry by Method 4500CN E-2011	WG2378536	1	10/09/24 09:10	10/09/24 18:55	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2378628	1	10/09/24 14:10	10/09/24 14:10	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2378628	5	10/09/24 14:21	10/09/24 14:21	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2378745	1	10/09/24 11:41	10/09/24 19:40	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2378640	1	10/16/24 15:03	10/16/24 17:24	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378667	1	10/17/24 03:23	10/18/24 17:06	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378667	1	10/17/24 03:23	10/18/24 21:39	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2378676	1	10/09/24 18:02	10/09/24 18:02	WHS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2380750	1	10/12/24 11:46	10/12/24 11:46	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381934	1	10/15/24 14:55	10/16/24 22:20	AUU	Mt. Juliet, TN

MW-109 L1784264-132 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/02/24 10:35 | Received date/time: 10/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2378547	1	10/09/24 10:40	10/09/24 13:44	JAC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2378628	1	10/09/24 14:32	10/09/24 14:32	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2378628	5	10/09/24 14:43	10/09/24 14:43	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378667	1	10/17/24 03:23	10/18/24 17:10	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378667	1	10/17/24 03:23	10/18/24 21:42	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2378676	10	10/09/24 20:19	10/09/24 20:19	WHS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2380750	1	10/12/24 12:07	10/12/24 12:07	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2383676	50	10/17/24 01:37	10/17/24 01:37	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381934	1	10/15/24 14:55	10/16/24 22:40	AUU	Mt. Juliet, TN

MW-110 L1784264-133 GW

Collected by: Scott Ude/HMI Team | Collected date/time: 10/02/24 09:55 | Received date/time: 10/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2378547	1	10/09/24 10:40	10/09/24 13:44	JAC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2378628	1	10/09/24 15:16	10/09/24 15:16	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2378628	5	10/09/24 15:27	10/09/24 15:27	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378667	1	10/17/24 03:23	10/18/24 17:13	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378667	1	10/17/24 03:23	10/18/24 21:45	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2378676	1	10/09/24 18:24	10/09/24 18:24	WHS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2380750	1	10/12/24 12:29	10/12/24 12:29	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2383676	1	10/17/24 00:36	10/17/24 00:36	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381934	1	10/15/24 14:55	10/16/24 23:01	AUU	Mt. Juliet, TN

MW-140 L1784264-134 GW

Collected by: Scott Ude/HMI Team
Collected date/time: 10/02/24 13:35
Received date/time: 10/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2378547	1	10/09/24 10:40	10/09/24 13:44	JAC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2378628	20	10/11/24 13:31	10/11/24 13:31	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2378628	5	10/11/24 13:18	10/11/24 13:18	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2378745	1	10/09/24 11:41	10/09/24 19:43	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2378636	1	10/14/24 09:59	10/14/24 13:03	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2378640	1	10/16/24 15:03	10/16/24 17:30	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378637	1	10/16/24 00:17	10/16/24 14:29	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378667	1	10/17/24 03:23	10/18/24 17:46	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378667	1	10/17/24 03:23	10/18/24 21:57	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2385614	1	10/20/24 10:01	10/20/24 14:04	SJM	Mt. Juliet, TN

NCL-44 L1784264-135 GW

Collected by: Scott Ude/HMI Team
Collected date/time: 10/02/24 08:25
Received date/time: 10/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2378547	1	10/09/24 10:40	10/09/24 13:44	JAC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2378628	1	10/09/24 15:59	10/09/24 15:59	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2378628	10	10/11/24 13:58	10/11/24 13:58	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378667	1	10/17/24 03:23	10/18/24 17:49	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378667	1	10/17/24 03:23	10/18/24 22:00	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2380750	1	10/12/24 12:50	10/12/24 12:50	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381934	1	10/15/24 14:55	10/16/24 23:21	AUU	Mt. Juliet, TN

NCL-32 L1784264-136 GW

Collected by: Scott Ude/HMI Team
Collected date/time: 10/02/24 09:15
Received date/time: 10/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2381787	1	10/14/24 16:01	10/14/24 18:00	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2378628	20	10/09/24 16:32	10/09/24 16:32	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2378628	5	10/09/24 16:21	10/09/24 16:21	DLH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378667	1	10/17/24 03:23	10/18/24 17:53	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2378667	1	10/17/24 03:23	10/18/24 22:04	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2385614	1	10/20/24 10:01	10/20/24 13:51	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2380750	1	10/12/24 13:11	10/12/24 13:11	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2381934	1	10/15/24 14:55	10/16/24 23:41	AUU	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Chris McCord
Project Manager

Sample Delivery Group (SDG) Narrative

pH outside of method requirement.

Lab Sample ID	Project Sample ID	Method
L1784264-02	MW-75	3511/8015
L1784264-03	MW-83	3511/8015
L1784264-07	MW-5A	3511/8015
L1784264-09	OCD-8A	3511/8015
L1784264-102	DUP-REST-02	8260B, 3511/8015
L1784264-106	MW-22A	3511/8015, 8015D/GRO
L1784264-107	MW-10	3511/8015
L1784264-108	MW-123	3511/8015
L1784264-109	DUP-EP-02	3511/8015
L1784264-11	DUP-EP-03	3511/8015
L1784264-111	MW-21	3511/8015
L1784264-112	MW-151	3511/8015
L1784264-113	MW-152	3511/8015
L1784264-114	MW-153	3511/8015
L1784264-115	MW-154	3511/8015
L1784264-132	MW-109	8260B
L1784264-21	MW-18A	3511/8015
L1784264-27	KWB-7	3511/8015
L1784264-30	MW-115	3511/8015
L1784264-33	MW-117	3511/8015
L1784264-35	MW-119	3511/8015
L1784264-40	KWB-12A	3511/8015
L1784264-41	MW-149	3511/8015
L1784264-56	MW-61	3511/8015
L1784264-58	MW-98	3511/8015
L1784264-60	MW-49	3511/8015
L1784264-61	MW-45	3511/8015
L1784264-62	DUP-TEL-01	3511/8015
L1784264-66	MW-139	3511/8015
L1784264-67	MW-50	3511/8015
L1784264-68	MW-90	3511/8015
L1784264-69	MW-96	3511/8015
L1784264-70	NCL-33	3511/8015
L1784264-71	MW-108	3511/8015
L1784264-81	MW-84	3511/8015
L1784264-84	MW-74	3511/8015
L1784264-85	MW-2A	3511/8015
L1784264-87	OCD-7AR	3511/8015
L1784264-91	MW-113	8260B
L1784264-94	DUP-REST-01	3511/8015
L1784264-98	MW-64	8260B, 3511/8015
L1784264-99	MW-102	8260B, 3511/8015

Analyzed from headspace vial.

Lab Sample ID	Project Sample ID	Method
L1784264-06	MW-4A	8015D/GRO
L1784264-78	TRIP BLANK-NCL-01	8260B
L1784264-90	TRIP BLANK-EP-01	8260B

Analysis was filtered in the laboratory.

Lab Sample ID	Project Sample ID	Method
R4132821-3		6010B
R4133556-3		6020
R4134033-3		6010B
R4134294-3		6020
R4134336-3		6020

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4770		100	1	10/04/2024 11:42	WG2374795

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1150		5.47	10.0	10	10/03/2024 13:11	WG2374336
Fluoride	3.24		0.761	1.50	10	10/03/2024 13:11	WG2374336
Nitrate as (N)	U	Q	0.884	1.00	10	10/03/2024 13:11	WG2374336
Nitrite as (N)	U	Q	0.794	1.00	10	10/03/2024 13:11	WG2374336
Sulfate	1880		6.37	50.0	10	10/03/2024 13:11	WG2374336

Sample Narrative:

L1784264-01 WG2374336: Dilution due to matrix impact on instrumentation at lower dilution

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0241		0.000180	0.00200	1	10/17/2024 20:40	WG2374979
Barium	0.0156		0.000381	0.00200	1	10/17/2024 20:40	WG2374979
Calcium	422		0.0936	1.00	1	10/17/2024 20:40	WG2374979
Chromium	U		0.00124	0.00200	1	10/17/2024 20:40	WG2374979
Iron	3.44		0.0281	0.100	1	10/17/2024 20:40	WG2374979
Lead	U		0.000849	0.00200	1	10/17/2024 20:40	WG2374979
Manganese	0.718		0.000704	0.00500	1	10/17/2024 20:40	WG2374979
Potassium	21.9		0.108	2.00	1	10/17/2024 20:40	WG2374979
Selenium	0.000884	J	0.000300	0.00200	1	10/17/2024 20:40	WG2374979
Sodium	857		0.376	2.00	1	10/17/2024 20:40	WG2374979

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.793		0.0314	0.100	1	10/07/2024 20:11	WG2377421
(S) a,a,a-Trifluorotoluene(FID)	*103*			*78.0-120*		*10/07/2024 20:11*	WG2377421

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	8.64		0.123	0.500	5	10/14/2024 16:25	WG2380825
(S) o-Terphenyl	*135*			*52.0-156*		*10/14/2024 16:25*	WG2380825

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	5710		100	1	10/04/2024 11:42	WG2374795

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1340		5.47	10.0	10	10/03/2024 14:53	WG2374336
Fluoride	7.87		0.761	1.50	10	10/03/2024 14:53	WG2374336
Nitrate as (N)	U	Q	0.884	1.00	10	10/03/2024 14:53	WG2374336
Nitrite as (N)	U	Q	0.794	1.00	10	10/03/2024 14:53	WG2374336
Sulfate	2240		63.7	500	100	10/03/2024 15:09	WG2374336

Sample Narrative:

L1784264-02 WG2374336: Dilution due to matrix impact on instrumentation at lower dilution

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.389		0.000180	0.00200	1	10/17/2024 20:43	WG2374979
Barium	0.0145		0.000381	0.00200	1	10/17/2024 20:43	WG2374979
Calcium	374		0.0936	1.00	1	10/17/2024 20:43	WG2374979
Chromium	0.00139	J	0.00124	0.00200	1	10/17/2024 20:43	WG2374979
Iron	7.04		0.0281	0.100	1	10/17/2024 20:43	WG2374979
Lead	U		0.000849	0.00200	1	10/17/2024 20:43	WG2374979
Manganese	0.984		0.000704	0.00500	1	10/17/2024 20:43	WG2374979
Potassium	18.1		0.108	2.00	1	10/17/2024 20:43	WG2374979
Selenium	0.00192	J	0.000300	0.00200	1	10/17/2024 20:43	WG2374979
Sodium	1320		1.88	10.0	5	10/17/2024 21:41	WG2374979

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	3.61		0.0314	0.100	1	10/07/2024 20:34	WG2377421
(S) a,a,a-Trifluorotoluene(FID)	*101*			*78.0-120*		*10/07/2024 20:34*	WG2377421

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	16.7		0.123	0.500	5	10/14/2024 16:46	WG2380825
(S) o-Terphenyl	*137*			*52.0-156*		*10/14/2024 16:46*	WG2380825

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	6290		100	1	10/04/2024 11:42	WG2374795

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	790		5.47	10.0	10	10/03/2024 16:00	WG2374336
Fluoride	5.87		0.761	1.50	10	10/03/2024 16:00	WG2374336
Nitrate as (N)	4.13	Q	0.884	1.00	10	10/03/2024 16:00	WG2374336
Nitrite as (N)	U	Q	0.794	1.00	10	10/03/2024 16:00	WG2374336
Sulfate	3220		63.7	500	100	10/03/2024 16:17	WG2374336

Sample Narrative:

L1784264-03 WG2374336: Dilution due to matrix impact on instrumentation at lower dilution

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0519		0.000180	0.00200	1	10/17/2024 20:46	WG2374979
Barium	0.0284		0.000381	0.00200	1	10/17/2024 20:46	WG2374979
Calcium	456		0.0936	1.00	1	10/17/2024 20:46	WG2374979
Chromium	0.00661		0.00124	0.00200	1	10/17/2024 20:46	WG2374979
Iron	0.911		0.0281	0.100	1	10/17/2024 20:46	WG2374979
Lead	0.00117	J	0.000849	0.00200	1	10/17/2024 20:46	WG2374979
Manganese	0.206		0.000704	0.00500	1	10/17/2024 20:46	WG2374979
Potassium	39.3		0.108	2.00	1	10/17/2024 20:46	WG2374979
Selenium	0.00967		0.000300	0.00200	1	10/17/2024 20:46	WG2374979
Sodium	630		0.376	2.00	1	10/17/2024 20:46	WG2374979

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.935		0.0314	0.100	1	10/07/2024 20:57	WG2377421
(S) a,a,a-Trifluorotoluene(FID)	*100*			*78.0-120*		*10/07/2024 20:57*	WG2377421

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	13.0		0.247	1.00	10	10/14/2024 20:56	WG2381331
(S) o-Terphenyl	*129*			*52.0-156*		*10/14/2024 20:56*	WG2381331

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	5700		100	1	10/04/2024 11:42	WG2374795

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	1430		5.47	10.0	10	10/03/2024 17:08	WG2374336
Fluoride	2.70		0.761	1.50	10	10/03/2024 17:08	WG2374336
Nitrate as (N)	U	Q	0.884	1.00	10	10/03/2024 17:08	WG2374336
Nitrite as (N)	U	Q	0.794	1.00	10	10/03/2024 17:08	WG2374336
Sulfate	2500		63.7	500	100	10/03/2024 17:25	WG2374336

Sample Narrative:

L1784264-04 WG2374336: Dilution due to matrix impact on instrumentation at lower dilution

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.0330		0.000180	0.00200	1	10/17/2024 21:09	WG2374979
Barium	0.0141		0.000381	0.00200	1	10/17/2024 21:09	WG2374979
Calcium	543		0.0936	1.00	1	10/17/2024 21:09	WG2374979
Chromium	U		0.00124	0.00200	1	10/17/2024 21:09	WG2374979
Iron	0.605		0.0281	0.100	1	10/17/2024 21:09	WG2374979
Lead	U		0.000849	0.00200	1	10/17/2024 21:09	WG2374979
Manganese	1.03		0.000704	0.00500	1	10/17/2024 21:09	WG2374979
Potassium	7.55		0.108	2.00	1	10/17/2024 21:09	WG2374979
Selenium	0.00332		0.000300	0.00200	1	10/17/2024 21:09	WG2374979
Sodium	1020		1.88	10.0	5	10/17/2024 22:13	WG2374979

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	0.567		0.0314	0.100	1	10/07/2024 21:19	WG2377421
(S) a,a,a-Trifluorotoluene(FID)	*101*			*78.0-120*		*10/07/2024 21:19*	WG2377421

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) High Fraction	8.53		0.0247	0.100	1	10/14/2024 15:33	WG2381331
(S) o-Terphenyl	*128*			*52.0-156*		*10/14/2024 15:33*	WG2381331

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00958		0.000180	0.00200	1	10/17/2024 21:22	WG2374979
Barium	0.0133		0.000381	0.00200	1	10/17/2024 21:22	WG2374979
Chromium	U		0.00124	0.00200	1	10/17/2024 21:22	WG2374979
Iron	0.196		0.0281	0.100	1	10/17/2024 21:22	WG2374979
Lead	U		0.000849	0.00200	1	10/17/2024 21:22	WG2374979
Manganese	1.36		0.000704	0.00500	1	10/17/2024 21:22	WG2374979
Selenium	U		0.000300	0.00200	1	10/17/2024 21:22	WG2374979

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.164	B	0.0314	0.100	1	10/08/2024 11:47	WG2377837
(S) a,a,a-Trifluorotoluene(FID)	*99.8*			*78.0-120*		*10/08/2024 11:47*	WG2377837

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.545		0.0247	0.100	1	10/15/2024 02:06	WG2381331
(S) o-Terphenyl	*121*			*52.0-156*		*10/15/2024 02:06*	WG2381331

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4840		100	1	10/04/2024 11:42	WG2374795

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1220		5.47	10.0	10	10/03/2024 09:32	WG2374345
Fluoride	2.15		0.0761	0.150	1	10/03/2024 03:02	WG2374345
Nitrate as (N)	0.828		0.0884	0.100	1	10/03/2024 03:02	WG2374345
Nitrite as (N)	U		0.0794	0.100	1	10/03/2024 03:02	WG2374345
Sulfate	1730		6.37	50.0	10	10/03/2024 09:32	WG2374345

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0615		0.000180	0.00200	1	10/17/2024 21:25	WG2374979
Barium	0.0124		0.000381	0.00200	1	10/17/2024 21:25	WG2374979
Calcium	410		0.0936	1.00	1	10/17/2024 21:25	WG2374979
Chromium	U		0.00124	0.00200	1	10/17/2024 21:25	WG2374979
Iron	1.35		0.0281	0.100	1	10/17/2024 21:25	WG2374979
Lead	U		0.000849	0.00200	1	10/17/2024 21:25	WG2374979
Manganese	1.65		0.000704	0.00500	1	10/17/2024 21:25	WG2374979
Potassium	5.84		0.108	2.00	1	10/17/2024 21:25	WG2374979
Selenium	0.000422	J	0.000300	0.00200	1	10/17/2024 21:25	WG2374979
Sodium	859		0.376	2.00	1	10/17/2024 21:25	WG2374979

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.311	Q	0.0314	0.100	1	10/17/2024 11:54	WG2382700
(S) a,a,a-Trifluorotoluene(FID)	*102*			*78.0-120*		*10/17/2024 11:54*	WG2382700

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	7.87		0.0247	0.100	1	10/14/2024 16:14	WG2381331
(S) o-Terphenyl	*136*			*52.0-156*		*10/14/2024 16:14*	WG2381331

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	10600		200	1	10/04/2024 11:42	WG2374795

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	2370		27.4	50.0	50	10/03/2024 09:45	WG2374345
Fluoride	3.95		0.380	0.750	5	10/03/2024 03:16	WG2374345
Nitrate as (N)	2.92		0.442	0.500	5	10/03/2024 03:16	WG2374345
Nitrite as (N)	U		0.397	0.500	5	10/03/2024 03:16	WG2374345
Sulfate	4650		31.8	250	50	10/03/2024 09:45	WG2374345

Sample Narrative:

L1784264-07 WG2374345: Dilution due to matrix impact on instrumentation at lower dilution

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.191		0.000180	0.00200	1	10/17/2024 21:28	WG2374979
Barium	0.0157		0.000381	0.00200	1	10/17/2024 21:28	WG2374979
Calcium	418		0.0936	1.00	1	10/17/2024 21:28	WG2374979
Chromium	U		0.00124	0.00200	1	10/17/2024 21:28	WG2374979
Iron	7.28		0.0281	0.100	1	10/17/2024 21:28	WG2374979
Lead	U		0.000849	0.00200	1	10/17/2024 21:28	WG2374979
Manganese	0.863		0.000704	0.00500	1	10/17/2024 21:28	WG2374979
Potassium	8.51		0.108	2.00	1	10/17/2024 21:28	WG2374979
Selenium	0.000920	J	0.000300	0.00200	1	10/17/2024 21:28	WG2374979
Sodium	2420		1.88	10.0	5	10/17/2024 22:16	WG2374979

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	1.79		0.0314	0.100	1	10/08/2024 12:09	WG2377837
(S) a,a,a-Trifluorotoluene(FID)	*105*			*78.0-120*		*10/08/2024 12:09*	WG2377837

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	5.89		0.0247	0.100	1	10/14/2024 16:34	WG2381331
(S) o-Terphenyl	*137*			*52.0-156*		*10/14/2024 16:34*	WG2381331

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	6220		100	1	10/04/2024 11:42	WG2374795

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1820		5.47	10.0	10	10/03/2024 09:58	WG2374345
Fluoride	1.15		0.0761	0.150	1	10/03/2024 03:29	WG2374345
Nitrate as (N)	2.01	Q	0.884	1.00	10	10/03/2024 09:58	WG2374345
Nitrite as (N)	U		0.0794	0.100	1	10/03/2024 03:29	WG2374345
Sulfate	2140		12.7	100	20	10/09/2024 18:07	WG2374345

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0187		0.000180	0.00200	1	10/09/2024 20:16	WG2378129
Barium	0.0156		0.000381	0.00200	1	10/09/2024 20:16	WG2378129
Calcium	351		0.0936	1.00	1	10/09/2024 20:16	WG2378129
Chromium	U		0.00124	0.00200	1	10/09/2024 20:16	WG2378129
Iron	3.06		0.0281	0.100	1	10/09/2024 20:16	WG2378129
Lead	U		0.000849	0.00200	1	10/09/2024 20:16	WG2378129
Manganese	0.484		0.000704	0.00500	1	10/09/2024 20:16	WG2378129
Potassium	3.92		0.108	2.00	1	10/09/2024 20:16	WG2378129
Selenium	U		0.000300	0.00200	1	10/09/2024 20:16	WG2378129
Sodium	1390		1.88	10.0	5	10/09/2024 22:46	WG2378129

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.333	B	0.0314	0.100	1	10/08/2024 12:32	WG2377837
(S) a,a,a-Trifluorotoluene(FID)	*101*			*78.0-120*		*10/08/2024 12:32*	WG2377837

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/09/2024 15:45	WG2378619
Benzene	U		0.0000941	0.00100	1	10/09/2024 15:45	WG2378619
Bromodichloromethane	U		0.000136	0.00100	1	10/09/2024 15:45	WG2378619
Bromoform	U		0.000129	0.00100	1	10/09/2024 15:45	WG2378619
Bromomethane	U		0.000605	0.00500	1	10/09/2024 15:45	WG2378619
n-Butylbenzene	U		0.000157	0.00100	1	10/09/2024 15:45	WG2378619
sec-Butylbenzene	U		0.000125	0.00100	1	10/09/2024 15:45	WG2378619
Carbon disulfide	U		0.0000962	0.00100	1	10/09/2024 15:45	WG2378619
Carbon tetrachloride	U		0.000128	0.00100	1	10/09/2024 15:45	WG2378619
Chlorobenzene	U		0.000116	0.00100	1	10/09/2024 15:45	WG2378619
Chlorodibromomethane	U		0.000140	0.00100	1	10/09/2024 15:45	WG2378619
Chloroethane	U		0.000192	0.00500	1	10/09/2024 15:45	WG2378619
Chloroform	U		0.000111	0.00500	1	10/09/2024 15:45	WG2378619
Chloromethane	U		0.000960	0.00250	1	10/09/2024 15:45	WG2378619
1,2-Dibromoethane	U		0.000126	0.00100	1	10/09/2024 15:45	WG2378619
1,1-Dichloroethane	U		0.000100	0.00100	1	10/09/2024 15:45	WG2378619
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/09/2024 15:45	WG2378619
1,1-Dichloroethene	U		0.000188	0.00100	1	10/09/2024 15:45	WG2378619
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/09/2024 15:45	WG2378619

MW-7A
Collected date/time: 10/01/24 09:25
L1784264

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/09/2024 15:45	WG2378619
1,2-Dichloropropane	U		0.000149	0.00100	1	10/09/2024 15:45	WG2378619
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/09/2024 15:45	WG2378619
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/09/2024 15:45	WG2378619
Ethylbenzene	U		0.000137	0.00100	1	10/09/2024 15:45	WG2378619
Isopropylbenzene	U		0.000105	0.00100	1	10/09/2024 15:45	WG2378619
p-Isopropyltoluene	U		0.000120	0.00100	1	10/09/2024 15:45	WG2378619
2-Butanone (MEK)	U		0.00119	0.0100	1	10/09/2024 15:45	WG2378619
2-Hexanone	U		0.000787	0.0100	1	10/09/2024 15:45	WG2378619
Methylene Chloride	U		0.000430	0.00500	1	10/09/2024 15:45	WG2378619
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/09/2024 15:45	WG2378619
Methyl tert-butyl ether	0.000930	J	0.000101	0.00100	1	10/09/2024 15:45	WG2378619
Naphthalene	U		0.00100	0.00500	1	10/09/2024 15:45	WG2378619
n-Propylbenzene	U		0.0000993	0.00100	1	10/09/2024 15:45	WG2378619
Styrene	U		0.000118	0.00100	1	10/09/2024 15:45	WG2378619
tert-Butyl alcohol	0.00660	J3	0.00406	0.00500	1	10/09/2024 15:45	WG2378619
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/09/2024 15:45	WG2378619
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/09/2024 15:45	WG2378619
Tetrachloroethene	U		0.000300	0.00100	1	10/09/2024 15:45	WG2378619
Toluene	U		0.000278	0.00100	1	10/09/2024 15:45	WG2378619
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/09/2024 15:45	WG2378619
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/09/2024 15:45	WG2378619
Trichloroethene	U		0.000190	0.00100	1	10/09/2024 15:45	WG2378619
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/09/2024 15:45	WG2378619
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/09/2024 15:45	WG2378619
Vinyl chloride	U		0.000234	0.00100	1	10/09/2024 15:45	WG2378619
o-Xylene	U		0.000174	0.00100	1	10/09/2024 15:45	WG2378619
m&p-Xylene	U		0.000430	0.00200	1	10/09/2024 15:45	WG2378619
Xylenes, Total	U		0.000174	0.00300	1	10/09/2024 15:45	WG2378619
(S) Toluene-d8	*110*			*80.0-120*		*10/09/2024 15:45*	WG2378619
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*10/09/2024 15:45*	WG2378619
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*10/09/2024 15:45*	WG2378619

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.862		0.0247	0.100	1	10/15/2024 02:26	WG2381331
(S) o-Terphenyl	*127*			*52.0-156*		*10/15/2024 02:26*	WG2381331

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	10900		200	1	10/04/2024 11:42	WG2374795

Wet Chemistry by Method 4500CN E-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Cyanide	U	J6	0.00180	0.00500	1	10/04/2024 10:51	WG2374789

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	2960		27.4	50.0	50	10/03/2024 10:12	WG2374345
Fluoride	2.62		0.380	0.750	5	10/03/2024 03:43	WG2374345
Nitrate as (N)	2.83		0.442	0.500	5	10/03/2024 03:43	WG2374345
Nitrite as (N)	4.74	J	3.97	5.00	50	10/03/2024 10:12	WG2374345
Sulfate	3770		31.8	250	50	10/03/2024 10:12	WG2374345

Sample Narrative:

L1784264-09 WG2374345: Dilution due to matrix impact on instrumentation at lower dilution

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.0000700	0.000200	1	10/08/2024 02:43	WG2376980

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.866		0.0200	0.200	1	10/11/2024 12:53	WG2378112

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0755		0.000180	0.00200	1	10/09/2024 20:19	WG2378129
Barium	0.0148		0.000381	0.00200	1	10/09/2024 20:19	WG2378129
Cadmium	U		0.000150	0.00100	1	10/09/2024 20:19	WG2378129
Calcium	638		0.0936	1.00	1	10/09/2024 20:19	WG2378129
Chromium	U		0.00124	0.00200	1	10/09/2024 20:19	WG2378129
Cobalt	0.00160	J	0.0000596	0.00200	1	10/09/2024 20:19	WG2378129
Iron	5.78		0.0281	0.100	1	10/09/2024 20:19	WG2378129
Lead	U		0.000849	0.00200	1	10/09/2024 20:19	WG2378129
Manganese	3.18		0.000704	0.00500	1	10/09/2024 20:19	WG2378129
Nickel	0.0214		0.000816	0.00200	1	10/09/2024 20:19	WG2378129
Potassium	9.18		0.108	2.00	1	10/09/2024 20:19	WG2378129
Selenium	0.00152	J	0.000300	0.00200	1	10/09/2024 20:19	WG2378129
Sodium	2490		1.88	10.0	5	10/09/2024 22:50	WG2378129
Uranium	0.00186		0.0000789	0.00100	1	10/09/2024 20:19	WG2378129
Vanadium	0.000751	J	0.000664	0.00500	1	10/09/2024 20:19	WG2378129

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	1.33		0.0314	0.100	1	10/08/2024 12:55	WG2377837

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
(S) a,a,a-Trifluorotoluene(FID)	*103*			*78.0-120*		*10/08/2024 12:55*	WG2377837

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) High Fraction	3.37		0.0247	0.100	1	10/14/2024 17:14	WG2381331
(S) o-Terphenyl	*132*			*52.0-156*		*10/14/2024 17:14*	WG2381331

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	6440		100	1	10/04/2024 11:42	WG2374795

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1840		5.47	10.0	10	10/03/2024 10:25	WG2374345
Fluoride	1.16		0.0761	0.150	1	10/03/2024 03:56	WG2374345
Nitrate as (N)	1.07		0.0884	0.100	1	10/03/2024 03:56	WG2374345
Nitrite as (N)	U		0.0794	0.100	1	10/03/2024 03:56	WG2374345
Sulfate	2100		12.7	100	20	10/09/2024 18:21	WG2374345

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0181		0.000180	0.00200	1	10/09/2024 20:23	WG2378129
Barium	0.0168		0.000381	0.00200	1	10/09/2024 20:23	WG2378129
Calcium	353		0.0936	1.00	1	10/09/2024 20:23	WG2378129
Chromium	U		0.00124	0.00200	1	10/09/2024 20:23	WG2378129
Iron	3.04		0.0281	0.100	1	10/09/2024 20:23	WG2378129
Lead	U		0.000849	0.00200	1	10/09/2024 20:23	WG2378129
Manganese	0.482		0.000704	0.00500	1	10/09/2024 20:23	WG2378129
Potassium	3.83		0.108	2.00	1	10/09/2024 20:23	WG2378129
Selenium	0.000478	J	0.000300	0.00200	1	10/09/2024 20:23	WG2378129
Sodium	1400		1.88	10.0	5	10/09/2024 22:53	WG2378129

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.344	B	0.0314	0.100	1	10/08/2024 13:18	WG2377837
(S) a,a,a-Trifluorotoluene(FID)	*102*			*78.0-120*		*10/08/2024 13:18*	WG2377837

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/09/2024 16:06	WG2378619
Benzene	U		0.0000941	0.00100	1	10/09/2024 16:06	WG2378619
Bromodichloromethane	U		0.000136	0.00100	1	10/09/2024 16:06	WG2378619
Bromoform	U		0.000129	0.00100	1	10/09/2024 16:06	WG2378619
Bromomethane	U		0.000605	0.00500	1	10/09/2024 16:06	WG2378619
n-Butylbenzene	U		0.000157	0.00100	1	10/09/2024 16:06	WG2378619
sec-Butylbenzene	U		0.000125	0.00100	1	10/09/2024 16:06	WG2378619
Carbon disulfide	U		0.0000962	0.00100	1	10/09/2024 16:06	WG2378619
Carbon tetrachloride	U		0.000128	0.00100	1	10/09/2024 16:06	WG2378619
Chlorobenzene	U		0.000116	0.00100	1	10/09/2024 16:06	WG2378619
Chlorodibromomethane	U		0.000140	0.00100	1	10/09/2024 16:06	WG2378619
Chloroethane	U		0.000192	0.00500	1	10/09/2024 16:06	WG2378619
Chloroform	U		0.000111	0.00500	1	10/09/2024 16:06	WG2378619
Chloromethane	U		0.000960	0.00250	1	10/09/2024 16:06	WG2378619
1,2-Dibromoethane	U		0.000126	0.00100	1	10/09/2024 16:06	WG2378619
1,1-Dichloroethane	U		0.000100	0.00100	1	10/09/2024 16:06	WG2378619
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/09/2024 16:06	WG2378619
1,1-Dichloroethene	U		0.000188	0.00100	1	10/09/2024 16:06	WG2378619
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/09/2024 16:06	WG2378619

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/09/2024 16:06	WG2378619
1,2-Dichloropropane	U		0.000149	0.00100	1	10/09/2024 16:06	WG2378619
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/09/2024 16:06	WG2378619
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/09/2024 16:06	WG2378619
Ethylbenzene	U		0.000137	0.00100	1	10/09/2024 16:06	WG2378619
Isopropylbenzene	U		0.000105	0.00100	1	10/09/2024 16:06	WG2378619
p-Isopropyltoluene	U		0.000120	0.00100	1	10/09/2024 16:06	WG2378619
2-Butanone (MEK)	U		0.00119	0.0100	1	10/09/2024 16:06	WG2378619
2-Hexanone	U		0.000787	0.0100	1	10/09/2024 16:06	WG2378619
Methylene Chloride	U		0.000430	0.00500	1	10/09/2024 16:06	WG2378619
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/09/2024 16:06	WG2378619
Methyl tert-butyl ether	0.00100	J	0.000101	0.00100	1	10/09/2024 16:06	WG2378619
Naphthalene	U		0.00100	0.00500	1	10/09/2024 16:06	WG2378619
n-Propylbenzene	U		0.0000993	0.00100	1	10/09/2024 16:06	WG2378619
Styrene	U		0.000118	0.00100	1	10/09/2024 16:06	WG2378619
tert-Butyl alcohol	0.00748	J3	0.00406	0.00500	1	10/09/2024 16:06	WG2378619
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/09/2024 16:06	WG2378619
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/09/2024 16:06	WG2378619
Tetrachloroethene	U		0.000300	0.00100	1	10/09/2024 16:06	WG2378619
Toluene	U		0.000278	0.00100	1	10/09/2024 16:06	WG2378619
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/09/2024 16:06	WG2378619
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/09/2024 16:06	WG2378619
Trichloroethene	U		0.000190	0.00100	1	10/09/2024 16:06	WG2378619
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/09/2024 16:06	WG2378619
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/09/2024 16:06	WG2378619
Vinyl chloride	U		0.000234	0.00100	1	10/09/2024 16:06	WG2378619
o-Xylene	U		0.000174	0.00100	1	10/09/2024 16:06	WG2378619
m&p-Xylene	U		0.000430	0.00200	1	10/09/2024 16:06	WG2378619
Xylenes, Total	U		0.000174	0.00300	1	10/09/2024 16:06	WG2378619
(S) Toluene-d8	*111*			*80.0-120*		*10/09/2024 16:06*	WG2378619
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*10/09/2024 16:06*	WG2378619
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*10/09/2024 16:06*	WG2378619

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.872		0.0247	0.100	1	10/15/2024 02:47	WG2381331
(S) o-Terphenyl	*127*			*52.0-156*		*10/15/2024 02:47*	WG2381331

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	5630		100	1	10/04/2024 11:42	WG2374795

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	1440		5.47	10.0	10	10/03/2024 10:39	WG2374345
Fluoride	2.21		0.0761	0.150	1	10/03/2024 04:10	WG2374345
Nitrate as (N)	1.04		0.0884	0.100	1	10/03/2024 04:10	WG2374345
Nitrite as (N)	U		0.0794	0.100	1	10/03/2024 04:10	WG2374345
Sulfate	2020		12.7	100	20	10/09/2024 18:34	WG2374345

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.0330		0.000180	0.00200	1	10/09/2024 20:26	WG2378129
Barium	0.0135		0.000381	0.00200	1	10/09/2024 20:26	WG2378129
Calcium	539		0.0936	1.00	1	10/09/2024 20:26	WG2378129
Chromium	0.00144	J	0.00124	0.00200	1	10/09/2024 20:26	WG2378129
Iron	0.647		0.0281	0.100	1	10/09/2024 20:26	WG2378129
Lead	U		0.000849	0.00200	1	10/09/2024 20:26	WG2378129
Manganese	1.04		0.000704	0.00500	1	10/09/2024 20:26	WG2378129
Potassium	8.06		0.108	2.00	1	10/09/2024 20:26	WG2378129
Selenium	0.00285		0.000300	0.00200	1	10/09/2024 20:26	WG2378129
Sodium	1120		1.88	10.0	5	10/09/2024 22:56	WG2378129

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	0.536	B	0.0314	0.100	1	10/08/2024 13:41	WG2377837
(S) a,a,a-Trifluorotoluene(FID)	*102*			*78.0-120*		*10/08/2024 13:41*	WG2377837

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) High Fraction	8.22		0.0247	0.100	1	10/14/2024 17:55	WG2381331
(S) o-Terphenyl	*135*			*52.0-156*		*10/14/2024 17:55*	WG2381331

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	ND		10.0	1	10/07/2024 12:23	WG2376988

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	0.854	J P1	0.547	1.00	1	10/03/2024 04:23	WG2374345
Fluoride	U		0.0761	0.150	1	10/03/2024 04:23	WG2374345
Nitrate as (N)	U		0.0884	0.100	1	10/03/2024 04:23	WG2374345
Nitrite as (N)	U		0.0794	0.100	1	10/03/2024 04:23	WG2374345
Sulfate	1.25	J P1	0.637	5.00	1	10/03/2024 04:23	WG2374345

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	U		0.000180	0.00200	1	10/09/2024 18:34	WG2378129
Barium	U		0.000381	0.00200	1	10/09/2024 18:34	WG2378129
Calcium	U		0.0936	1.00	1	10/09/2024 18:34	WG2378129
Chromium	U		0.00124	0.00200	1	10/09/2024 18:34	WG2378129
Iron	U		0.0281	0.100	1	10/09/2024 18:34	WG2378129
Lead	U		0.000849	0.00200	1	10/09/2024 18:34	WG2378129
Manganese	U		0.000704	0.00500	1	10/09/2024 18:34	WG2378129
Potassium	U		0.108	2.00	1	10/09/2024 18:34	WG2378129
Selenium	U		0.000300	0.00200	1	10/09/2024 18:34	WG2378129
Sodium	U		0.376	2.00	1	10/09/2024 18:34	WG2378129

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0586	B J	0.0314	0.100	1	10/08/2024 11:01	WG2377837
(S) a,a,a-Trifluorotoluene(FID)	*98.8*			*78.0-120*		*10/08/2024 11:01*	WG2377837

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0370	B J	0.0247	0.100	1	10/15/2024 01:26	WG2381331
(S) o-Terphenyl	*118*			*52.0-156*		*10/15/2024 01:26*	WG2381331

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/09/2024 17:27	WG2379080
Benzene	U		0.0000941	0.00100	1	10/09/2024 17:27	WG2379080
Bromodichloromethane	U		0.000136	0.00100	1	10/09/2024 17:27	WG2379080
Bromoform	U		0.000129	0.00100	1	10/09/2024 17:27	WG2379080
Bromomethane	U		0.000605	0.00500	1	10/09/2024 17:27	WG2379080
n-Butylbenzene	U		0.000157	0.00100	1	10/09/2024 17:27	WG2379080
sec-Butylbenzene	U		0.000125	0.00100	1	10/09/2024 17:27	WG2379080
Carbon disulfide	U		0.0000962	0.00100	1	10/09/2024 17:27	WG2379080
Carbon tetrachloride	U		0.000128	0.00100	1	10/09/2024 17:27	WG2379080
Chlorobenzene	U		0.000116	0.00100	1	10/09/2024 17:27	WG2379080
Chlorodibromomethane	U		0.000140	0.00100	1	10/09/2024 17:27	WG2379080
Chloroethane	U		0.000192	0.00500	1	10/09/2024 17:27	WG2379080
Chloroform	U		0.000111	0.00500	1	10/09/2024 17:27	WG2379080
Chloromethane	U		0.000960	0.00250	1	10/09/2024 17:27	WG2379080
1,2-Dibromoethane	U		0.000126	0.00100	1	10/09/2024 17:27	WG2379080
1,1-Dichloroethane	U		0.000100	0.00100	1	10/09/2024 17:27	WG2379080
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/09/2024 17:27	WG2379080
1,1-Dichloroethene	U		0.000188	0.00100	1	10/09/2024 17:27	WG2379080
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/09/2024 17:27	WG2379080
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/09/2024 17:27	WG2379080
1,2-Dichloropropane	U		0.000149	0.00100	1	10/09/2024 17:27	WG2379080
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/09/2024 17:27	WG2379080
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/09/2024 17:27	WG2379080
Ethylbenzene	U		0.000137	0.00100	1	10/09/2024 17:27	WG2379080
Isopropylbenzene	U		0.000105	0.00100	1	10/09/2024 17:27	WG2379080
p-Isopropyltoluene	U		0.000120	0.00100	1	10/09/2024 17:27	WG2379080
2-Butanone (MEK)	U		0.00119	0.0100	1	10/09/2024 17:27	WG2379080
2-Hexanone	U		0.000787	0.0100	1	10/09/2024 17:27	WG2379080
Methylene Chloride	U		0.000430	0.00500	1	10/09/2024 17:27	WG2379080
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/09/2024 17:27	WG2379080
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/09/2024 17:27	WG2379080
Naphthalene	U		0.00100	0.00500	1	10/09/2024 17:27	WG2379080
n-Propylbenzene	U		0.0000993	0.00100	1	10/09/2024 17:27	WG2379080
Styrene	U		0.000118	0.00100	1	10/09/2024 17:27	WG2379080
tert-Butyl alcohol	U		0.00406	0.00500	1	10/09/2024 17:27	WG2379080
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/09/2024 17:27	WG2379080
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/09/2024 17:27	WG2379080
Tetrachloroethene	U		0.000300	0.00100	1	10/09/2024 17:27	WG2379080
Toluene	U		0.000278	0.00100	1	10/09/2024 17:27	WG2379080
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/09/2024 17:27	WG2379080
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/09/2024 17:27	WG2379080
Trichloroethene	U		0.000190	0.00100	1	10/09/2024 17:27	WG2379080
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/09/2024 17:27	WG2379080
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/09/2024 17:27	WG2379080
Vinyl chloride	U		0.000234	0.00100	1	10/09/2024 17:27	WG2379080
o-Xylene	U		0.000174	0.00100	1	10/09/2024 17:27	WG2379080
m&p-Xylene	U		0.000430	0.00200	1	10/09/2024 17:27	WG2379080
Xylenes, Total	U		0.000174	0.00300	1	10/09/2024 17:27	WG2379080
(S) Toluene-d8	*122*	J1		*80.0-120*		*10/09/2024 17:27*	WG2379080
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*10/09/2024 17:27*	WG2379080
(S) 1,2-Dichloroethane-d4	*97.8*			*70.0-130*		*10/09/2024 17:27*	WG2379080

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	6750		100	1	10/04/2024 11:42	WG2374795

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1750		5.47	10.0	10	10/03/2024 10:52	WG2374345
Fluoride	2.01		0.0761	0.150	1	10/03/2024 05:17	WG2374345
Nitrate as (N)	U		0.0884	0.100	1	10/03/2024 05:17	WG2374345
Nitrite as (N)	U		0.0794	0.100	1	10/03/2024 05:17	WG2374345
Sulfate	2170		12.7	100	20	10/09/2024 18:48	WG2374345

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0104		0.000180	0.00200	1	10/09/2024 20:29	WG2378129
Barium	0.0255		0.000381	0.00200	1	10/09/2024 20:29	WG2378129
Calcium	647		0.0936	1.00	1	10/09/2024 20:29	WG2378129
Chromium	U		0.00124	0.00200	1	10/09/2024 20:29	WG2378129
Iron	4.20		0.0281	0.100	1	10/09/2024 20:29	WG2378129
Lead	U		0.000849	0.00200	1	10/09/2024 20:29	WG2378129
Manganese	1.53		0.000704	0.00500	1	10/09/2024 20:29	WG2378129
Potassium	3.93		0.108	2.00	1	10/09/2024 20:29	WG2378129
Selenium	0.000328	J	0.000300	0.00200	1	10/09/2024 20:29	WG2378129
Sodium	1200		1.88	10.0	5	10/09/2024 23:00	WG2378129

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0556	B J	0.0314	0.100	1	10/08/2024 14:04	WG2377837
(S) a,a,a-Trifluorotoluene(FID)	*100*			*78.0-120*		*10/08/2024 14:04*	WG2377837

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.125	B	0.0247	0.100	1	10/15/2024 01:46	WG2381331
(S) o-Terphenyl	*113*			*52.0-156*		*10/15/2024 01:46*	WG2381331

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00173	J	0.000180	0.00200	1	10/09/2024 20:33	WG2378129
Barium	0.0416		0.000381	0.00200	1	10/09/2024 20:33	WG2378129
Chromium	U		0.00124	0.00200	1	10/09/2024 20:33	WG2378129
Iron	4.32		0.0281	0.100	1	10/09/2024 20:33	WG2378129
Lead	U		0.000849	0.00200	1	10/09/2024 20:33	WG2378129
Manganese	0.944		0.000704	0.00500	1	10/09/2024 20:33	WG2378129
Selenium	U		0.000300	0.00200	1	10/09/2024 20:33	WG2378129

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0376	B J	0.0314	0.100	1	10/08/2024 14:27	WG2377837
(S) a,a,a-Trifluorotoluene(FID)	*99.9*			*78.0-120*		*10/08/2024 14:27*	WG2377837

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0535	B J	0.0247	0.100	1	10/15/2024 01:06	WG2381331
(S) o-Terphenyl	*106*			*52.0-156*		*10/15/2024 01:06*	WG2381331

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.000894	J	0.000180	0.00200	1	10/09/2024 18:20	WG2378129
Barium	0.0157		0.000381	0.00200	1	10/09/2024 18:20	WG2378129
Chromium	U		0.00124	0.00200	1	10/09/2024 18:20	WG2378129
Iron	0.408		0.0281	0.100	1	10/09/2024 18:20	WG2378129
Lead	U		0.000849	0.00200	1	10/09/2024 18:20	WG2378129
Manganese	0.283		0.000704	0.00500	1	10/09/2024 18:20	WG2378129
Selenium	U		0.000300	0.00200	1	10/09/2024 18:20	WG2378129

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0453	B J	0.0314	0.100	1	10/08/2024 14:50	WG2377837
(S) a,a,a-Trifluorotoluene(FID)	*100*			*78.0-120*		*10/08/2024 14:50*	WG2377837

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0933	B J	0.0247	0.100	1	10/14/2024 19:15	WG2381331
(S) o-Terphenyl	*113*			*52.0-156*		*10/14/2024 19:15*	WG2381331

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00680		0.000180	0.00200	1	10/09/2024 20:36	WG2378129
Barium	0.0200		0.000381	0.00200	1	10/09/2024 20:36	WG2378129
Chromium	U		0.00124	0.00200	1	10/09/2024 20:36	WG2378129
Iron	6.14		0.0281	0.100	1	10/09/2024 20:36	WG2378129
Lead	U		0.000849	0.00200	1	10/09/2024 20:36	WG2378129
Manganese	0.173		0.000704	0.00500	1	10/09/2024 20:36	WG2378129
Selenium	U		0.000300	0.00200	1	10/09/2024 20:36	WG2378129

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0407	B J	0.0314	0.100	1	10/08/2024 15:13	WG2377837
(S) a,a,a-Trifluorotoluene(FID)	*102*			*78.0-120*		*10/08/2024 15:13*	WG2377837

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0783	B J	0.0247	0.100	1	10/14/2024 19:36	WG2381331
(S) o-Terphenyl	*115*			*52.0-156*		*10/14/2024 19:36*	WG2381331

MW-11A
Collected date/time: 10/01/24 12:50
L1784264

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	16900		400	1	10/04/2024 11:42	WG2374795

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	7350		54.7	100	100	10/03/2024 11:06	WG2374345
Fluoride	1.07	J	0.761	1.50	10	10/03/2024 05:30	WG2374345
Nitrate as (N)	U		8.84	10.0	100	10/03/2024 11:06	WG2374345
Nitrite as (N)	11.8		7.94	10.0	100	10/03/2024 11:06	WG2374345
Sulfate	3270		63.7	500	100	10/03/2024 11:06	WG2374345

Sample Narrative:

L1784264-18 WG2374345: Dilution due to matrix impact on instrumentation at lower dilution

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Calcium	973		0.0936	1.00	1	10/09/2024 20:39	WG2378129
Potassium	18.6		0.108	2.00	1	10/09/2024 20:39	WG2378129
Sodium	4670		3.76	20.0	10	10/09/2024 23:03	WG2378129

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	12800		200	1	10/04/2024 11:42	WG2374795

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	4950		27.4	50.0	50	10/03/2024 11:19	WG2374345
Fluoride	0.917		0.380	0.750	5	10/03/2024 05:44	WG2374345
Nitrate as (N)	4.68	J	4.42	5.00	50	10/03/2024 11:19	WG2374345
Nitrite as (N)	U		0.397	0.500	5	10/03/2024 05:44	WG2374345
Sulfate	2970		31.8	250	50	10/03/2024 11:19	WG2374345

Sample Narrative:

L1784264-19 WG2374345: Dilution due to matrix impact on instrumentation at lower dilution

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0107		0.000180	0.00200	1	10/09/2024 20:43	WG2378129
Barium	0.0271		0.000381	0.00200	1	10/09/2024 20:43	WG2378129
Calcium	856		0.0936	1.00	1	10/09/2024 20:43	WG2378129
Chromium	U		0.00124	0.00200	1	10/09/2024 20:43	WG2378129
Iron	8.87		0.0281	0.100	1	10/09/2024 20:43	WG2378129
Lead	U		0.000849	0.00200	1	10/09/2024 20:43	WG2378129
Manganese	0.417		0.000704	0.00500	1	10/09/2024 20:43	WG2378129
Potassium	32.3		0.108	2.00	1	10/09/2024 20:43	WG2378129
Selenium	U		0.000300	0.00200	1	10/09/2024 20:43	WG2378129
Sodium	3180		1.88	10.0	5	10/09/2024 23:06	WG2378129

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.621		0.0314	0.100	1	10/08/2024 15:36	WG2377837
(S) a,a,a-Trifluorotoluene(FID)	*101*			*78.0-120*		*10/08/2024 15:36*	WG2377837

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.767		0.0247	0.100	1	10/14/2024 19:56	WG2381331
(S) o-Terphenyl	*126*			*52.0-156*		*10/14/2024 19:56*	WG2381331

MW-67
Collected date/time: 10/01/24 08:20
L1784264

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00597		0.000180	0.00200	1	10/18/2024 13:08	WG2378135
Barium	0.0163		0.000381	0.00200	1	10/18/2024 13:08	WG2378135
Chromium	U		0.00124	0.00200	1	10/18/2024 13:08	WG2378135
Iron	0.289		0.0281	0.100	1	10/18/2024 13:08	WG2378135
Lead	U		0.000849	0.00200	1	10/18/2024 13:08	WG2378135
Manganese	1.06		0.000704	0.00500	1	10/18/2024 13:08	WG2378135
Selenium	U		0.000300	0.00200	1	10/18/2024 13:08	WG2378135

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0477	B J	0.0314	0.100	1	10/08/2024 15:59	WG2377837
(S) a,a,a-Trifluorotoluene(FID)	*100*			*78.0-120*		*10/08/2024 15:59*	WG2377837

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.365		0.0247	0.100	1	10/14/2024 20:16	WG2381331
(S) o-Terphenyl	*123*			*52.0-156*		*10/14/2024 20:16*	WG2381331

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	18100		400	1	10/04/2024 11:42	WG2374795

Wet Chemistry by Method 4500CN E-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Cyanide	U		0.00180	0.00500	1	10/04/2024 10:56	WG2374789

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	6030		27.4	50.0	50	10/03/2024 11:32	WG2374345
Fluoride	2.39		0.380	0.750	5	10/03/2024 06:24	WG2374345
Nitrate as (N)	6.68	Q	4.42	5.00	50	10/03/2024 11:32	WG2374345
Nitrite as (N)	U		0.397	0.500	5	10/03/2024 06:24	WG2374345
Sulfate	5510		31.8	250	50	10/03/2024 11:32	WG2374345

Sample Narrative:

L1784264-21 WG2374345: Dilution due to matrix impact on instrumentation at lower dilution

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.0000700	0.000200	1	10/08/2024 02:46	WG2376980

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	2.17		0.0200	0.200	1	10/11/2024 12:55	WG2378112

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00441	J	0.000900	0.0100	5	10/18/2024 13:11	WG2378135
Barium	0.0196		0.00190	0.0100	5	10/18/2024 13:11	WG2378135
Cadmium	U		0.000750	0.00500	5	10/18/2024 13:11	WG2378135
Calcium	701		0.468	5.00	5	10/18/2024 13:11	WG2378135
Chromium	U		0.00620	0.0100	5	10/18/2024 13:11	WG2378135
Cobalt	0.00245	J	0.000298	0.0100	5	10/18/2024 13:11	WG2378135
Iron	0.402	J	0.140	0.500	5	10/18/2024 13:11	WG2378135
Lead	U		0.00424	0.0100	5	10/18/2024 13:11	WG2378135
Manganese	1.63		0.00352	0.0250	5	10/18/2024 13:11	WG2378135
Nickel	0.0102		0.00408	0.0100	5	10/18/2024 13:11	WG2378135
Potassium	43.5		0.540	10.0	5	10/18/2024 13:11	WG2378135
Selenium	U		0.00150	0.0100	5	10/18/2024 13:11	WG2378135
Sodium	4160		1.88	10.0	5	10/18/2024 13:11	WG2378135
Uranium	0.0227		0.000394	0.00500	5	10/18/2024 13:11	WG2378135
Vanadium	U		0.00332	0.0250	5	10/18/2024 13:11	WG2378135

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.449		0.0247	0.100	1	10/14/2024 20:36	WG2381331
(S) o-Terphenyl	*125*			*52.0-156*		*10/14/2024 20:36*	WG2381331

MW-70
Collected date/time: 10/01/24 10:00
L1784264

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.0186		0.000180	0.00200	1	10/18/2024 13:14	WG2378135
Barium	0.0165		0.000381	0.00200	1	10/18/2024 13:14	WG2378135
Chromium	U		0.00124	0.00200	1	10/18/2024 13:14	WG2378135
Iron	7.05		0.0281	0.100	1	10/18/2024 13:14	WG2378135
Lead	U		0.000849	0.00200	1	10/18/2024 13:14	WG2378135
Manganese	0.219		0.000704	0.00500	1	10/18/2024 13:14	WG2378135
Selenium	0.000316	J	0.000300	0.00200	1	10/18/2024 13:14	WG2378135

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	2.41		0.0314	0.100	1	10/08/2024 16:21	WG2377837
(S) a,a,a-Trifluorotoluene(FID)	*101*			*78.0-120*		*10/08/2024 16:21*	WG2377837

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) High Fraction	0.816		0.0247	0.100	1	10/15/2024 16:07	WG2381333
(S) o-Terphenyl	*116*			*52.0-156*		*10/15/2024 16:07*	WG2381333

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	10800		200	1	10/04/2024 11:42	WG2374795

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	3150		27.4	50.0	50	10/03/2024 12:13	WG2374345
Fluoride	1.21		0.380	0.750	5	10/03/2024 06:37	WG2374345
Nitrate as (N)	5.88	Q	4.42	5.00	50	10/03/2024 12:13	WG2374345
Nitrite as (N)	5.27	Q	3.97	5.00	50	10/03/2024 12:13	WG2374345
Sulfate	3640		31.8	250	50	10/03/2024 12:13	WG2374345

Sample Narrative:

L1784264-23 WG2374345: Dilution due to matrix impact on instrumentation at lower dilution

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00312	J	0.000900	0.0100	5	10/18/2024 12:55	WG2378135
Barium	0.0190		0.00190	0.0100	5	10/18/2024 12:55	WG2378135
Calcium	797		0.468	5.00	5	10/18/2024 12:55	WG2378135
Chromium	U		0.00620	0.0100	5	10/18/2024 12:55	WG2378135
Iron	7.70		0.140	0.500	5	10/18/2024 12:55	WG2378135
Lead	U		0.00424	0.0100	5	10/18/2024 12:55	WG2378135
Manganese	0.508		0.00352	0.0250	5	10/18/2024 12:55	WG2378135
Potassium	7.16	J	0.540	10.0	5	10/18/2024 12:55	WG2378135
Selenium	U		0.00150	0.0100	5	10/18/2024 12:55	WG2378135
Sodium	1860		1.88	10.0	5	10/18/2024 12:55	WG2378135

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0493	B J	0.0314	0.100	1	10/08/2024 16:44	WG2377837
(S) a,a,a-Trifluorotoluene(FID)	*101*			*78.0-120*		*10/08/2024 16:44*	WG2377837

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0388	B J	0.0247	0.100	1	10/15/2024 16:26	WG2381333
(S) o-Terphenyl	*108*			*52.0-156*		*10/15/2024 16:26*	WG2381333

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	ND		10.0	1	10/04/2024 11:42	WG2374795

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	0.866	J P1	0.547	1.00	1	10/03/2024 06:51	WG2374345
Fluoride	U		0.0761	0.150	1	10/03/2024 06:51	WG2374345
Nitrate as (N)	U		0.0884	0.100	1	10/03/2024 06:51	WG2374345
Nitrite as (N)	U		0.0794	0.100	1	10/03/2024 06:51	WG2374345
Sulfate	0.958	J	0.637	5.00	1	10/03/2024 06:51	WG2374345

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	U		0.000180	0.00200	1	10/18/2024 13:17	WG2378135
Barium	U		0.000381	0.00200	1	10/18/2024 13:17	WG2378135
Calcium	U		0.0936	1.00	1	10/18/2024 13:17	WG2378135
Chromium	U		0.00124	0.00200	1	10/18/2024 13:17	WG2378135
Iron	U		0.0281	0.100	1	10/18/2024 13:17	WG2378135
Lead	U		0.000849	0.00200	1	10/18/2024 13:17	WG2378135
Manganese	U		0.000704	0.00500	1	10/18/2024 13:17	WG2378135
Potassium	U		0.108	2.00	1	10/18/2024 13:17	WG2378135
Selenium	U		0.000300	0.00200	1	10/18/2024 13:17	WG2378135
Sodium	U		0.376	2.00	1	10/18/2024 13:17	WG2378135

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0843	B J	0.0314	0.100	1	10/08/2024 11:24	WG2377837
(S) a,a,a-Trifluorotoluene(FID)	*99.4*			*78.0-120*		*10/08/2024 11:24*	WG2377837

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0263	B J	0.0247	0.100	1	10/15/2024 16:46	WG2381333
(S) o-Terphenyl	*113*			*52.0-156*		*10/15/2024 16:46*	WG2381333

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/09/2024 17:49	WG2379080
Benzene	U		0.0000941	0.00100	1	10/09/2024 17:49	WG2379080
Bromodichloromethane	U		0.000136	0.00100	1	10/09/2024 17:49	WG2379080
Bromoform	U		0.000129	0.00100	1	10/09/2024 17:49	WG2379080
Bromomethane	U		0.000605	0.00500	1	10/09/2024 17:49	WG2379080
n-Butylbenzene	U		0.000157	0.00100	1	10/09/2024 17:49	WG2379080
sec-Butylbenzene	U		0.000125	0.00100	1	10/09/2024 17:49	WG2379080
Carbon disulfide	U		0.0000962	0.00100	1	10/09/2024 17:49	WG2379080
Carbon tetrachloride	U		0.000128	0.00100	1	10/09/2024 17:49	WG2379080
Chlorobenzene	U		0.000116	0.00100	1	10/09/2024 17:49	WG2379080
Chlorodibromomethane	U		0.000140	0.00100	1	10/09/2024 17:49	WG2379080
Chloroethane	U		0.000192	0.00500	1	10/09/2024 17:49	WG2379080
Chloroform	U		0.000111	0.00500	1	10/09/2024 17:49	WG2379080
Chloromethane	U		0.000960	0.00250	1	10/09/2024 17:49	WG2379080
1,2-Dibromoethane	U		0.000126	0.00100	1	10/09/2024 17:49	WG2379080
1,1-Dichloroethane	U		0.000100	0.00100	1	10/09/2024 17:49	WG2379080
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/09/2024 17:49	WG2379080
1,1-Dichloroethene	U		0.000188	0.00100	1	10/09/2024 17:49	WG2379080
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/09/2024 17:49	WG2379080
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/09/2024 17:49	WG2379080
1,2-Dichloropropane	U		0.000149	0.00100	1	10/09/2024 17:49	WG2379080
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/09/2024 17:49	WG2379080
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/09/2024 17:49	WG2379080
Ethylbenzene	U		0.000137	0.00100	1	10/09/2024 17:49	WG2379080
Isopropylbenzene	U		0.000105	0.00100	1	10/09/2024 17:49	WG2379080
p-Isopropyltoluene	U		0.000120	0.00100	1	10/09/2024 17:49	WG2379080
2-Butanone (MEK)	U		0.00119	0.0100	1	10/09/2024 17:49	WG2379080
2-Hexanone	U		0.000787	0.0100	1	10/09/2024 17:49	WG2379080
Methylene Chloride	U		0.000430	0.00500	1	10/09/2024 17:49	WG2379080
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/09/2024 17:49	WG2379080
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/09/2024 17:49	WG2379080
Naphthalene	U		0.00100	0.00500	1	10/09/2024 17:49	WG2379080
n-Propylbenzene	U		0.0000993	0.00100	1	10/09/2024 17:49	WG2379080
Styrene	U		0.000118	0.00100	1	10/09/2024 17:49	WG2379080
tert-Butyl alcohol	U		0.00406	0.00500	1	10/09/2024 17:49	WG2379080
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/09/2024 17:49	WG2379080
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/09/2024 17:49	WG2379080
Tetrachloroethene	U		0.000300	0.00100	1	10/09/2024 17:49	WG2379080
Toluene	U		0.000278	0.00100	1	10/09/2024 17:49	WG2379080
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/09/2024 17:49	WG2379080
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/09/2024 17:49	WG2379080
Trichloroethene	U		0.000190	0.00100	1	10/09/2024 17:49	WG2379080
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/09/2024 17:49	WG2379080
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/09/2024 17:49	WG2379080
Vinyl chloride	U		0.000234	0.00100	1	10/09/2024 17:49	WG2379080
o-Xylene	U		0.000174	0.00100	1	10/09/2024 17:49	WG2379080
m&p-Xylene	U		0.000430	0.00200	1	10/09/2024 17:49	WG2379080
Xylenes, Total	U		0.000174	0.00300	1	10/09/2024 17:49	WG2379080
(S) Toluene-d8	*123*	J1		*80.0-120*		*10/09/2024 17:49*	WG2379080
(S) 4-Bromofluorobenzene	*107*			*77.0-126*		*10/09/2024 17:49*	WG2379080
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*10/09/2024 17:49*	WG2379080

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2080		50.0	1	10/04/2024 11:42	WG2374795

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	155		0.547	1.00	1	10/03/2024 07:31	WG2374345
Fluoride	0.397		0.0761	0.150	1	10/03/2024 07:31	WG2374345
Nitrate as (N)	2.77		0.0884	0.100	1	10/03/2024 07:31	WG2374345
Nitrite as (N)	0.202		0.0794	0.100	1	10/03/2024 07:31	WG2374345
Sulfate	1180		6.37	50.0	10	10/03/2024 12:26	WG2374345

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Calcium	393		0.0936	1.00	1	10/18/2024 13:29	WG2378135
Potassium	2.13		0.108	2.00	1	10/18/2024 13:29	WG2378135
Sodium	106		0.376	2.00	1	10/18/2024 13:29	WG2378135

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 00:03	WG2379080
Benzene	U		0.0000941	0.00100	1	10/10/2024 00:03	WG2379080
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 00:03	WG2379080
Bromoform	U		0.000129	0.00100	1	10/10/2024 00:03	WG2379080
Bromomethane	U		0.000605	0.00500	1	10/10/2024 00:03	WG2379080
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 00:03	WG2379080
sec-Butylbenzene	U		0.000125	0.00100	1	10/10/2024 00:03	WG2379080
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 00:03	WG2379080
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 00:03	WG2379080
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 00:03	WG2379080
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 00:03	WG2379080
Chloroethane	U		0.000192	0.00500	1	10/10/2024 00:03	WG2379080
Chloroform	U		0.000111	0.00500	1	10/10/2024 00:03	WG2379080
Chloromethane	U		0.000960	0.00250	1	10/10/2024 00:03	WG2379080
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 00:03	WG2379080
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 00:03	WG2379080
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 00:03	WG2379080
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 00:03	WG2379080
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 00:03	WG2379080
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 00:03	WG2379080
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 00:03	WG2379080
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 00:03	WG2379080
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 00:03	WG2379080
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 00:03	WG2379080
Isopropylbenzene	U		0.000105	0.00100	1	10/10/2024 00:03	WG2379080
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 00:03	WG2379080
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 00:03	WG2379080
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 00:03	WG2379080
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 00:03	WG2379080
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 00:03	WG2379080
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/10/2024 00:03	WG2379080
Naphthalene	U		0.00100	0.00500	1	10/10/2024 00:03	WG2379080
n-Propylbenzene	U		0.0000993	0.00100	1	10/10/2024 00:03	WG2379080

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Styrene	U		0.000118	0.00100	1	10/10/2024 00:03	WG2379080
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 00:03	WG2379080
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 00:03	WG2379080
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 00:03	WG2379080
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 00:03	WG2379080
Toluene	U		0.000278	0.00100	1	10/10/2024 00:03	WG2379080
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 00:03	WG2379080
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 00:03	WG2379080
Trichloroethene	U		0.000190	0.00100	1	10/10/2024 00:03	WG2379080
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 00:03	WG2379080
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 00:03	WG2379080
Vinyl chloride	U		0.000234	0.00100	1	10/10/2024 00:03	WG2379080
o-Xylene	U		0.000174	0.00100	1	10/10/2024 00:03	WG2379080
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 00:03	WG2379080
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 00:03	WG2379080
(S) Toluene-d8	*122*	J1		*80.0-120*		*10/10/2024 00:03*	WG2379080
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*10/10/2024 00:03*	WG2379080
(S) 1,2-Dichloroethane-d4	*99.6*			*70.0-130*		*10/10/2024 00:03*	WG2379080

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	2780		50.0	1	10/04/2024 11:42	WG2374795

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Cyanide	U		0.00180	0.00500	1	10/04/2024 10:58	WG2374789

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	325		5.47	10.0	10	10/03/2024 12:39	WG2374345
Fluoride	0.970		0.0761	0.150	1	10/03/2024 07:44	WG2374345
Nitrate as (N)	U		0.0884	0.100	1	10/03/2024 07:44	WG2374345
Nitrite as (N)	U		0.0794	0.100	1	10/03/2024 07:44	WG2374345
Sulfate	1190		6.37	50.0	10	10/03/2024 12:39	WG2374345

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.0000700	0.000200	1	10/08/2024 02:49	WG2376980

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron	0.403		0.0200	0.200	1	10/11/2024 12:57	WG2378112

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.000310	J	0.000180	0.00200	1	10/18/2024 13:32	WG2378135
Barium	0.0418		0.000381	0.00200	1	10/18/2024 13:32	WG2378135
Cadmium	U		0.000150	0.00100	1	10/18/2024 13:32	WG2378135
Calcium	383		0.0936	1.00	1	10/18/2024 13:32	WG2378135
Chromium	U		0.00124	0.00200	1	10/18/2024 13:32	WG2378135
Cobalt	U		0.0000596	0.00200	1	10/18/2024 13:32	WG2378135
Iron	0.0606	J	0.0281	0.100	1	10/18/2024 13:32	WG2378135
Lead	U		0.000849	0.00200	1	10/18/2024 13:32	WG2378135
Manganese	2.33		0.000704	0.00500	1	10/18/2024 13:32	WG2378135
Nickel	U		0.000816	0.00200	1	10/18/2024 13:32	WG2378135
Potassium	0.398	J	0.108	2.00	1	10/18/2024 13:32	WG2378135
Selenium	U		0.000300	0.00200	1	10/18/2024 13:32	WG2378135
Sodium	251		0.376	2.00	1	10/18/2024 13:32	WG2378135
Uranium	0.000569	J	0.0000789	0.00100	1	10/18/2024 13:32	WG2378135
Vanadium	0.00123	J	0.000664	0.00500	1	10/18/2024 13:32	WG2378135

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		0.0113	0.0500	1	10/10/2024 00:25	WG2379080
Benzene	0.000459	J	0.0000941	0.00100	1	10/10/2024 00:25	WG2379080
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 00:25	WG2379080
Bromoform	U		0.000129	0.00100	1	10/10/2024 00:25	WG2379080
Bromomethane	U		0.000605	0.00500	1	10/10/2024 00:25	WG2379080

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
n-Butylbenzene	0.000481	J	0.000157	0.00100	1	10/10/2024 00:25	WG2379080
sec-Butylbenzene	0.0155		0.000125	0.00100	1	10/10/2024 00:25	WG2379080
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 00:25	WG2379080
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 00:25	WG2379080
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 00:25	WG2379080
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 00:25	WG2379080
Chloroethane	U		0.000192	0.00500	1	10/10/2024 00:25	WG2379080
Chloroform	U		0.000111	0.00500	1	10/10/2024 00:25	WG2379080
Chloromethane	U		0.000960	0.00250	1	10/10/2024 00:25	WG2379080
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 00:25	WG2379080
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 00:25	WG2379080
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 00:25	WG2379080
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 00:25	WG2379080
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 00:25	WG2379080
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 00:25	WG2379080
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 00:25	WG2379080
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 00:25	WG2379080
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 00:25	WG2379080
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 00:25	WG2379080
Isopropylbenzene	0.0202		0.000105	0.00100	1	10/10/2024 00:25	WG2379080
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 00:25	WG2379080
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 00:25	WG2379080
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 00:25	WG2379080
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 00:25	WG2379080
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 00:25	WG2379080
Methyl tert-butyl ether	0.00451		0.000101	0.00100	1	10/10/2024 00:25	WG2379080
Naphthalene	0.00131	J	0.00100	0.00500	1	10/10/2024 00:25	WG2379080
n-Propylbenzene	0.00376		0.0000993	0.00100	1	10/10/2024 00:25	WG2379080
Styrene	U		0.000118	0.00100	1	10/10/2024 00:25	WG2379080
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 00:25	WG2379080
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 00:25	WG2379080
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 00:25	WG2379080
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 00:25	WG2379080
Toluene	0.000464	J	0.000278	0.00100	1	10/10/2024 00:25	WG2379080
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 00:25	WG2379080
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 00:25	WG2379080
Trichloroethene	U		0.000190	0.00100	1	10/10/2024 00:25	WG2379080
1,2,4-Trimethylbenzene	0.00167		0.000322	0.00100	1	10/10/2024 00:25	WG2379080
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 00:25	WG2379080
Vinyl chloride	U		0.000234	0.00100	1	10/10/2024 00:25	WG2379080
o-Xylene	0.000178	J	0.000174	0.00100	1	10/10/2024 00:25	WG2379080
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 00:25	WG2379080
Xylenes, Total	0.000178	J	0.000174	0.00300	1	10/10/2024 00:25	WG2379080
(S) Toluene-d8	*133*	J1		*80.0-120*		*10/10/2024 00:25*	WG2379080
(S) 4-Bromofluorobenzene	*113*			*77.0-126*		*10/10/2024 00:25*	WG2379080
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*10/10/2024 00:25*	WG2379080

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1.32		0.0247	0.100	1	10/15/2024 17:06	WG2381333
(S) o-Terphenyl	*129*			*52.0-156*		*10/15/2024 17:06*	WG2381333

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	2810		50.0	1	10/04/2024 11:42	WG2374795

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Cyanide	U		0.00180	0.00500	1	10/04/2024 11:04	WG2374789

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	353		5.47	10.0	10	10/03/2024 12:53	WG2374345
Fluoride	0.729		0.0761	0.150	1	10/03/2024 07:58	WG2374345
Nitrate as (N)	U		0.0884	0.100	1	10/03/2024 07:58	WG2374345
Nitrite as (N)	U		0.0794	0.100	1	10/03/2024 07:58	WG2374345
Sulfate	1250		6.37	50.0	10	10/03/2024 12:53	WG2374345

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.0000700	0.000200	1	10/08/2024 02:51	WG2376980

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron	0.338		0.0200	0.200	1	10/11/2024 12:11	WG2378112

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.00226		0.000180	0.00200	1	10/18/2024 13:35	WG2378135
Barium	0.0168		0.000381	0.00200	1	10/18/2024 13:35	WG2378135
Cadmium	U		0.000150	0.00100	1	10/18/2024 13:35	WG2378135
Calcium	397		0.0936	1.00	1	10/18/2024 13:35	WG2378135
Chromium	U		0.00124	0.00200	1	10/18/2024 13:35	WG2378135
Cobalt	0.000479	J	0.0000596	0.00200	1	10/18/2024 13:35	WG2378135
Iron	1.07		0.0281	0.100	1	10/18/2024 13:35	WG2378135
Lead	U		0.000849	0.00200	1	10/18/2024 13:35	WG2378135
Manganese	0.341		0.000704	0.00500	1	10/18/2024 13:35	WG2378135
Nickel	0.00314		0.000816	0.00200	1	10/18/2024 13:35	WG2378135
Potassium	0.913	J	0.108	2.00	1	10/18/2024 13:35	WG2378135
Selenium	U		0.000300	0.00200	1	10/18/2024 13:35	WG2378135
Sodium	255		0.376	2.00	1	10/18/2024 13:35	WG2378135
Uranium	0.0132		0.0000789	0.00100	1	10/18/2024 13:35	WG2378135
Vanadium	0.00205	J	0.000664	0.00500	1	10/18/2024 13:35	WG2378135

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	0.0758	B J	0.0314	0.100	1	10/08/2024 17:07	WG2377837
(S) a,a,a-Trifluorotoluene(FID)	*100*			*78.0-120*		*10/08/2024 17:07*	WG2377837

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 00:47	WG2379080
Benzene	U		0.0000941	0.00100	1	10/10/2024 00:47	WG2379080
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 00:47	WG2379080
Bromoform	U		0.000129	0.00100	1	10/10/2024 00:47	WG2379080
Bromomethane	U		0.000605	0.00500	1	10/10/2024 00:47	WG2379080
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 00:47	WG2379080
sec-Butylbenzene	0.000445	J	0.000125	0.00100	1	10/10/2024 00:47	WG2379080
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 00:47	WG2379080
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 00:47	WG2379080
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 00:47	WG2379080
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 00:47	WG2379080
Chloroethane	U		0.000192	0.00500	1	10/10/2024 00:47	WG2379080
Chloroform	U		0.000111	0.00500	1	10/10/2024 00:47	WG2379080
Chloromethane	U		0.000960	0.00250	1	10/10/2024 00:47	WG2379080
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 00:47	WG2379080
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 00:47	WG2379080
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 00:47	WG2379080
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 00:47	WG2379080
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 00:47	WG2379080
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 00:47	WG2379080
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 00:47	WG2379080
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 00:47	WG2379080
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 00:47	WG2379080
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 00:47	WG2379080
Isopropylbenzene	0.000344	J	0.000105	0.00100	1	10/10/2024 00:47	WG2379080
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 00:47	WG2379080
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 00:47	WG2379080
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 00:47	WG2379080
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 00:47	WG2379080
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 00:47	WG2379080
Methyl tert-butyl ether	0.00156		0.000101	0.00100	1	10/10/2024 00:47	WG2379080
Naphthalene	U		0.00100	0.00500	1	10/10/2024 00:47	WG2379080
n-Propylbenzene	U		0.0000993	0.00100	1	10/10/2024 00:47	WG2379080
Styrene	U		0.000118	0.00100	1	10/10/2024 00:47	WG2379080
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 00:47	WG2379080
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 00:47	WG2379080
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 00:47	WG2379080
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 00:47	WG2379080
Toluene	U		0.000278	0.00100	1	10/10/2024 00:47	WG2379080
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 00:47	WG2379080
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 00:47	WG2379080
Trichloroethene	U		0.000190	0.00100	1	10/10/2024 00:47	WG2379080
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 00:47	WG2379080
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 00:47	WG2379080
Vinyl chloride	U		0.000234	0.00100	1	10/10/2024 00:47	WG2379080
o-Xylene	U		0.000174	0.00100	1	10/10/2024 00:47	WG2379080
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 00:47	WG2379080
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 00:47	WG2379080
(S) Toluene-d8	*119*			*80.0-120*		*10/10/2024 00:47*	WG2379080
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*10/10/2024 00:47*	WG2379080
(S) 1,2-Dichloroethane-d4	*97.3*			*70.0-130*		*10/10/2024 00:47*	WG2379080

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.103	B	0.0247	0.100	1	10/17/2024 08:23	WG2381333

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
(S) o-Terphenyl	*107*			*52.0-156*		*10/17/2024 08:23*	WG2381333

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2640		50.0	1	10/03/2024 14:22	WG2374796

Wet Chemistry by Method 4500CN E-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Cyanide	U		0.00180	0.00500	1	10/04/2024 11:06	WG2374789

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	330		5.47	10.0	10	10/03/2024 13:06	WG2374345
Fluoride	0.312		0.0761	0.150	1	10/03/2024 08:11	WG2374345
Nitrate as (N)	2.21		0.0884	0.100	1	10/03/2024 08:11	WG2374345
Nitrite as (N)	U		0.0794	0.100	1	10/03/2024 08:11	WG2374345
Sulfate	1420		6.37	50.0	10	10/03/2024 13:06	WG2374345

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.0000700	0.000200	1	10/08/2024 02:54	WG2376980

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.125	J	0.0200	0.200	1	10/11/2024 12:13	WG2378112

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00154	J	0.000180	0.00200	1	10/18/2024 13:39	WG2378135
Barium	0.0147		0.000381	0.00200	1	10/18/2024 13:39	WG2378135
Cadmium	U		0.000150	0.00100	1	10/18/2024 13:39	WG2378135
Calcium	521		0.0936	1.00	1	10/18/2024 13:39	WG2378135
Chromium	U		0.00124	0.00200	1	10/18/2024 13:39	WG2378135
Cobalt	U		0.0000596	0.00200	1	10/18/2024 13:39	WG2378135
Iron	U		0.0281	0.100	1	10/18/2024 13:39	WG2378135
Lead	U		0.000849	0.00200	1	10/18/2024 13:39	WG2378135
Manganese	0.00245	J	0.000704	0.00500	1	10/18/2024 13:39	WG2378135
Nickel	U		0.000816	0.00200	1	10/18/2024 13:39	WG2378135
Potassium	2.37		0.108	2.00	1	10/18/2024 13:39	WG2378135
Selenium	0.00503		0.000300	0.00200	1	10/18/2024 13:39	WG2378135
Sodium	121		0.376	2.00	1	10/18/2024 13:39	WG2378135
Uranium	0.0153		0.0000789	0.00100	1	10/18/2024 13:39	WG2378135
Vanadium	0.00972		0.000664	0.00500	1	10/18/2024 13:39	WG2378135

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0479	B J	0.0314	0.100	1	10/08/2024 17:30	WG2377837
(S) a,a,a-Trifluorotoluene(FID)	*100*			*78.0-120*		*10/08/2024 17:30*	WG2377837

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 01:09	WG2379080
Benzene	U		0.0000941	0.00100	1	10/10/2024 01:09	WG2379080
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 01:09	WG2379080
Bromoform	U		0.000129	0.00100	1	10/10/2024 01:09	WG2379080
Bromomethane	U		0.000605	0.00500	1	10/10/2024 01:09	WG2379080
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 01:09	WG2379080
sec-Butylbenzene	U		0.000125	0.00100	1	10/10/2024 01:09	WG2379080
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 01:09	WG2379080
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 01:09	WG2379080
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 01:09	WG2379080
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 01:09	WG2379080
Chloroethane	U		0.000192	0.00500	1	10/10/2024 01:09	WG2379080
Chloroform	U		0.000111	0.00500	1	10/10/2024 01:09	WG2379080
Chloromethane	U		0.000960	0.00250	1	10/10/2024 01:09	WG2379080
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 01:09	WG2379080
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 01:09	WG2379080
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 01:09	WG2379080
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 01:09	WG2379080
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 01:09	WG2379080
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 01:09	WG2379080
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 01:09	WG2379080
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 01:09	WG2379080
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 01:09	WG2379080
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 01:09	WG2379080
Isopropylbenzene	U		0.000105	0.00100	1	10/10/2024 01:09	WG2379080
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 01:09	WG2379080
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 01:09	WG2379080
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 01:09	WG2379080
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 01:09	WG2379080
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 01:09	WG2379080
Methyl tert-butyl ether	0.00115		0.000101	0.00100	1	10/10/2024 01:09	WG2379080
Naphthalene	U		0.00100	0.00500	1	10/10/2024 01:09	WG2379080
n-Propylbenzene	U		0.0000993	0.00100	1	10/10/2024 01:09	WG2379080
Styrene	U		0.000118	0.00100	1	10/10/2024 01:09	WG2379080
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 01:09	WG2379080
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 01:09	WG2379080
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 01:09	WG2379080
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 01:09	WG2379080
Toluene	U		0.000278	0.00100	1	10/10/2024 01:09	WG2379080
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 01:09	WG2379080
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 01:09	WG2379080
Trichloroethene	U		0.000190	0.00100	1	10/10/2024 01:09	WG2379080
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 01:09	WG2379080
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 01:09	WG2379080
Vinyl chloride	U		0.000234	0.00100	1	10/10/2024 01:09	WG2379080
o-Xylene	U		0.000174	0.00100	1	10/10/2024 01:09	WG2379080
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 01:09	WG2379080
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 01:09	WG2379080
(S) Toluene-d8	*123*	J1		*80.0-120*		*10/10/2024 01:09*	WG2379080
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*10/10/2024 01:09*	WG2379080
(S) 1,2-Dichloroethane-d4	*99.2*			*70.0-130*		*10/10/2024 01:09*	WG2379080

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0829	B J	0.0247	0.100	1	10/15/2024 17:46	WG2381333

Received by OCD: 6/12/2025 1:19:15 PM

KWB-1B
Collected date/time: 10/01/24 09:10
L1784264

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
(S) o-Terphenyl	*100*			*52.0-156*		*10/15/2024 17:46*	WG2381333

Released to Imaging: 6/17/2025 4:41:11 PM

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3090		50.0	1	10/03/2024 14:22	WG2374796

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	303		5.47	10.0	10	10/03/2024 13:20	WG2374345
Fluoride	1.43		0.0761	0.150	1	10/03/2024 08:24	WG2374345
Nitrate as (N)	1.25		0.0884	0.100	1	10/03/2024 08:24	WG2374345
Nitrite as (N)	U		0.0794	0.100	1	10/03/2024 08:24	WG2374345
Sulfate	1770		6.37	50.0	10	10/03/2024 13:20	WG2374345

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.0000700	0.000200	1	10/08/2024 02:56	WG2376980

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.720		0.0200	0.200	1	10/11/2024 12:15	WG2378112
Boron,Dissolved	0.724		0.0200	0.200	1	10/17/2024 10:11	WG2374919

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00460		0.000180	0.00200	1	10/18/2024 14:08	WG2378135
Arsenic,Dissolved	0.00458		0.000180	0.00200	1	10/17/2024 20:33	WG2374938
Barium	0.0104		0.000381	0.00200	1	10/18/2024 14:08	WG2378135
Cadmium	U		0.000150	0.00100	1	10/18/2024 14:08	WG2378135
Calcium	407		0.0936	1.00	1	10/18/2024 14:08	WG2378135
Chromium	U		0.00124	0.00200	1	10/18/2024 14:08	WG2378135
Cobalt	0.00118	J	0.0000596	0.00200	1	10/18/2024 14:08	WG2378135
Iron	U		0.0281	0.100	1	10/18/2024 14:08	WG2378135
Iron,Dissolved	U		0.0281	0.100	1	10/17/2024 20:33	WG2374938
Lead	U		0.000849	0.00200	1	10/18/2024 14:08	WG2378135
Manganese	0.175		0.000704	0.00500	1	10/18/2024 14:08	WG2378135
Manganese,Dissolved	0.0281		0.000704	0.00500	1	10/17/2024 20:33	WG2374938
Nickel	0.00642		0.000816	0.00200	1	10/18/2024 14:08	WG2378135
Potassium	0.485	J	0.108	2.00	1	10/18/2024 14:08	WG2378135
Selenium	0.00149	J	0.000300	0.00200	1	10/18/2024 14:08	WG2378135
Sodium	272		0.376	2.00	1	10/18/2024 14:08	WG2378135
Uranium	0.0438		0.0000789	0.00100	1	10/18/2024 14:08	WG2378135
Uranium,Dissolved	0.0428		0.0000789	0.00100	1	10/17/2024 20:33	WG2374938
Vanadium	0.0268		0.000664	0.00500	1	10/18/2024 14:08	WG2378135

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0585	B J	0.0314	0.100	1	10/08/2024 17:53	WG2377837
(S) a,a,a-Trifluorotoluene(FID)	*101*			*78.0-120*		*10/08/2024 17:53*	WG2377837

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 01:03	WG2379199
Benzene	U		0.0000941	0.00100	1	10/10/2024 01:03	WG2379199
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 01:03	WG2379199
Bromoform	U		0.000129	0.00100	1	10/10/2024 01:03	WG2379199
Bromomethane	U		0.000605	0.00500	1	10/10/2024 01:03	WG2379199
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 01:03	WG2379199
sec-Butylbenzene	U		0.000125	0.00100	1	10/10/2024 01:03	WG2379199
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 01:03	WG2379199
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 01:03	WG2379199
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 01:03	WG2379199
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 01:03	WG2379199
Chloroethane	U		0.000192	0.00500	1	10/10/2024 01:03	WG2379199
Chloroform	U		0.000111	0.00500	1	10/10/2024 01:03	WG2379199
Chloromethane	U		0.000960	0.00250	1	10/10/2024 01:03	WG2379199
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 01:03	WG2379199
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 01:03	WG2379199
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 01:03	WG2379199
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 01:03	WG2379199
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 01:03	WG2379199
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 01:03	WG2379199
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 01:03	WG2379199
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 01:03	WG2379199
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 01:03	WG2379199
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 01:03	WG2379199
Isopropylbenzene	U		0.000105	0.00100	1	10/10/2024 01:03	WG2379199
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 01:03	WG2379199
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 01:03	WG2379199
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 01:03	WG2379199
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 01:03	WG2379199
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 01:03	WG2379199
Methyl tert-butyl ether	0.0121		0.000101	0.00100	1	10/10/2024 01:03	WG2379199
Naphthalene	U		0.00100	0.00500	1	10/10/2024 01:03	WG2379199
n-Propylbenzene	U		0.0000993	0.00100	1	10/10/2024 01:03	WG2379199
Styrene	U		0.000118	0.00100	1	10/10/2024 01:03	WG2379199
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 01:03	WG2379199
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 01:03	WG2379199
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 01:03	WG2379199
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 01:03	WG2379199
Toluene	U		0.000278	0.00100	1	10/10/2024 01:03	WG2379199
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 01:03	WG2379199
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 01:03	WG2379199
Trichloroethene	U		0.000190	0.00100	1	10/10/2024 01:03	WG2379199
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 01:03	WG2379199
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 01:03	WG2379199
Vinyl chloride	U		0.000234	0.00100	1	10/10/2024 01:03	WG2379199
o-Xylene	U		0.000174	0.00100	1	10/10/2024 01:03	WG2379199
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 01:03	WG2379199
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 01:03	WG2379199
(S) Toluene-d8	*110*			*80.0-120*		*10/10/2024 01:03*	WG2379199
(S) 4-Bromofluorobenzene	*88.4*			*77.0-126*		*10/10/2024 01:03*	WG2379199
(S) 1,2-Dichloroethane-d4	*90.1*			*70.0-130*		*10/10/2024 01:03*	WG2379199

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.852		0.0247	0.100	1	10/15/2024 18:05	WG2381333

MW-113
Collected date/time: 10/01/24 12:45
L1784264

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
(S) o-Terphenyl	*116*			*52.0-156*		*10/15/2024 18:05*	WG2381333

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2040		50.0	1	10/03/2024 14:22	WG2374796

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	139		0.547	1.00	1	10/03/2024 08:38	WG2374345
Fluoride	3.31		0.0761	0.150	1	10/03/2024 08:38	WG2374345
Nitrate as (N)	1.35	Q	0.884	1.00	10	10/03/2024 13:33	WG2374345
Nitrite as (N)	U		0.0794	0.100	1	10/03/2024 08:38	WG2374345
Sulfate	1180		6.37	50.0	10	10/03/2024 13:33	WG2374345

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.0000700	0.000200	1	10/08/2024 02:59	WG2376980

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.152	J	0.0200	0.200	1	10/11/2024 12:16	WG2378112
Boron,Dissolved	0.158	J	0.0200	0.200	1	10/17/2024 10:34	WG2374919

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00342		0.000180	0.00200	1	10/18/2024 13:45	WG2378135
Arsenic,Dissolved	0.00318		0.000180	0.00200	1	10/18/2024 01:00	WG2374938
Barium	0.0139		0.000381	0.00200	1	10/18/2024 13:45	WG2378135
Cadmium	U		0.000150	0.00100	1	10/18/2024 13:45	WG2378135
Calcium	384		0.0936	1.00	1	10/18/2024 13:45	WG2378135
Chromium	U		0.00124	0.00200	1	10/18/2024 13:45	WG2378135
Cobalt	0.00178	J	0.0000596	0.00200	1	10/18/2024 13:45	WG2378135
Iron	U		0.0281	0.100	1	10/18/2024 13:45	WG2378135
Iron,Dissolved	U		0.0281	0.100	1	10/18/2024 01:00	WG2374938
Lead	U		0.000849	0.00200	1	10/18/2024 13:45	WG2378135
Manganese	0.385		0.000704	0.00500	1	10/18/2024 13:45	WG2378135
Manganese,Dissolved	0.361		0.000704	0.00500	1	10/18/2024 01:00	WG2374938
Nickel	0.00468		0.000816	0.00200	1	10/18/2024 13:45	WG2378135
Potassium	2.01		0.108	2.00	1	10/18/2024 13:45	WG2378135
Selenium	0.00139	J	0.000300	0.00200	1	10/18/2024 13:45	WG2378135
Sodium	135		0.376	2.00	1	10/18/2024 13:45	WG2378135
Uranium	0.00311		0.0000789	0.00100	1	10/18/2024 13:45	WG2378135
Uranium,Dissolved	0.00310		0.0000789	0.00100	1	10/18/2024 01:00	WG2374938
Vanadium	0.0106		0.000664	0.00500	1	10/18/2024 13:45	WG2378135

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/08/2024 21:36	WG2378293
(S) a,a,a-Trifluorotoluene(FID)	*99.3*			*78.0-120*		*10/08/2024 21:36*	WG2378293

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 01:23	WG2379199
Benzene	U		0.0000941	0.00100	1	10/10/2024 01:23	WG2379199
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 01:23	WG2379199
Bromoform	U		0.000129	0.00100	1	10/10/2024 01:23	WG2379199
Bromomethane	U		0.000605	0.00500	1	10/10/2024 01:23	WG2379199
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 01:23	WG2379199
sec-Butylbenzene	U		0.000125	0.00100	1	10/10/2024 01:23	WG2379199
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 01:23	WG2379199
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 01:23	WG2379199
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 01:23	WG2379199
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 01:23	WG2379199
Chloroethane	U		0.000192	0.00500	1	10/10/2024 01:23	WG2379199
Chloroform	U		0.000111	0.00500	1	10/10/2024 01:23	WG2379199
Chloromethane	U		0.000960	0.00250	1	10/10/2024 01:23	WG2379199
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 01:23	WG2379199
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 01:23	WG2379199
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 01:23	WG2379199
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 01:23	WG2379199
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 01:23	WG2379199
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 01:23	WG2379199
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 01:23	WG2379199
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 01:23	WG2379199
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 01:23	WG2379199
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 01:23	WG2379199
Isopropylbenzene	U		0.000105	0.00100	1	10/10/2024 01:23	WG2379199
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 01:23	WG2379199
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 01:23	WG2379199
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 01:23	WG2379199
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 01:23	WG2379199
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 01:23	WG2379199
Methyl tert-butyl ether	0.00928		0.000101	0.00100	1	10/10/2024 01:23	WG2379199
Naphthalene	U		0.00100	0.00500	1	10/10/2024 01:23	WG2379199
n-Propylbenzene	U		0.0000993	0.00100	1	10/10/2024 01:23	WG2379199
Styrene	U		0.000118	0.00100	1	10/10/2024 01:23	WG2379199
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 01:23	WG2379199
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 01:23	WG2379199
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 01:23	WG2379199
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 01:23	WG2379199
Toluene	U		0.000278	0.00100	1	10/10/2024 01:23	WG2379199
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 01:23	WG2379199
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 01:23	WG2379199
Trichloroethene	U		0.000190	0.00100	1	10/10/2024 01:23	WG2379199
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 01:23	WG2379199
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 01:23	WG2379199
Vinyl chloride	U		0.000234	0.00100	1	10/10/2024 01:23	WG2379199
o-Xylene	U		0.000174	0.00100	1	10/10/2024 01:23	WG2379199
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 01:23	WG2379199
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 01:23	WG2379199
(S) Toluene-d8	*108*			*80.0-120*		*10/10/2024 01:23*	WG2379199
(S) 4-Bromofluorobenzene	*81.3*			*77.0-126*		*10/10/2024 01:23*	WG2379199
(S) 1,2-Dichloroethane-d4	*93.7*			*70.0-130*		*10/10/2024 01:23*	WG2379199

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.603		0.0247	0.100	1	10/15/2024 18:25	WG2381333

MW-114
Collected date/time: 10/01/24 11:55
L1784264

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
(S) o-Terphenyl	*118*			*52.0-156*		*10/15/2024 18:25*	WG2381333

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3610		50.0	1	10/03/2024 14:22	WG2374796

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	239		5.47	10.0	10	10/03/2024 13:46	WG2374345
Fluoride	1.01		0.0761	0.150	1	10/03/2024 08:51	WG2374345
Nitrate as (N)	1.13		0.0884	0.100	1	10/03/2024 08:51	WG2374345
Nitrite as (N)	U		0.0794	0.100	1	10/03/2024 08:51	WG2374345
Sulfate	2140		12.7	100	20	10/09/2024 19:01	WG2374345

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.0000700	0.000200	1	10/08/2024 03:01	WG2376980

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.400		0.0200	0.200	1	10/14/2024 09:31	WG2378113
Boron,Dissolved	0.416		0.0200	0.200	1	10/17/2024 10:36	WG2374919

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00347		0.000180	0.00200	1	10/18/2024 13:48	WG2378135
Arsenic,Dissolved	0.00337		0.000180	0.00200	1	10/15/2024 19:52	WG2378104
Barium	0.00959		0.000381	0.00200	1	10/18/2024 13:48	WG2378135
Cadmium	U		0.000150	0.00100	1	10/18/2024 13:48	WG2378135
Calcium	505		0.0936	1.00	1	10/18/2024 13:48	WG2378135
Chromium	U		0.00124	0.00200	1	10/18/2024 13:48	WG2378135
Cobalt	0.00722		0.0000596	0.00200	1	10/18/2024 13:48	WG2378135
Iron	U		0.0281	0.100	1	10/18/2024 13:48	WG2378135
Iron,Dissolved	U		0.0281	0.100	1	10/15/2024 19:52	WG2378104
Lead	U		0.000849	0.00200	1	10/18/2024 13:48	WG2378135
Manganese	0.364		0.000704	0.00500	1	10/18/2024 13:48	WG2378135
Manganese,Dissolved	0.348		0.000704	0.00500	1	10/15/2024 19:52	WG2378104
Nickel	0.00860		0.000816	0.00200	1	10/18/2024 13:48	WG2378135
Potassium	1.29	J	0.108	2.00	1	10/18/2024 13:48	WG2378135
Selenium	0.000982	J	0.000300	0.00200	1	10/18/2024 13:48	WG2378135
Sodium	211		0.376	2.00	1	10/18/2024 13:48	WG2378135
Uranium	0.0318		0.0000789	0.00100	1	10/18/2024 13:48	WG2378135
Uranium,Dissolved	0.0313		0.0000789	0.00100	1	10/15/2024 19:52	WG2378104
Vanadium	0.0177		0.000664	0.00500	1	10/18/2024 13:48	WG2378135

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/08/2024 21:58	WG2378293
(S) a,a,a-Trifluorotoluene(FID)	*100*			*78.0-120*		*10/08/2024 21:58*	WG2378293

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 01:43	WG2379199
Benzene	U		0.0000941	0.00100	1	10/10/2024 01:43	WG2379199
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 01:43	WG2379199
Bromoform	U		0.000129	0.00100	1	10/10/2024 01:43	WG2379199
Bromomethane	U		0.000605	0.00500	1	10/10/2024 01:43	WG2379199
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 01:43	WG2379199
sec-Butylbenzene	U		0.000125	0.00100	1	10/10/2024 01:43	WG2379199
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 01:43	WG2379199
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 01:43	WG2379199
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 01:43	WG2379199
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 01:43	WG2379199
Chloroethane	U		0.000192	0.00500	1	10/10/2024 01:43	WG2379199
Chloroform	U		0.000111	0.00500	1	10/10/2024 01:43	WG2379199
Chloromethane	U		0.000960	0.00250	1	10/10/2024 01:43	WG2379199
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 01:43	WG2379199
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 01:43	WG2379199
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 01:43	WG2379199
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 01:43	WG2379199
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 01:43	WG2379199
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 01:43	WG2379199
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 01:43	WG2379199
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 01:43	WG2379199
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 01:43	WG2379199
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 01:43	WG2379199
Isopropylbenzene	U		0.000105	0.00100	1	10/10/2024 01:43	WG2379199
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 01:43	WG2379199
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 01:43	WG2379199
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 01:43	WG2379199
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 01:43	WG2379199
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 01:43	WG2379199
Methyl tert-butyl ether	0.000385	J	0.000101	0.00100	1	10/10/2024 01:43	WG2379199
Naphthalene	U		0.00100	0.00500	1	10/10/2024 01:43	WG2379199
n-Propylbenzene	U		0.0000993	0.00100	1	10/10/2024 01:43	WG2379199
Styrene	U		0.000118	0.00100	1	10/10/2024 01:43	WG2379199
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 01:43	WG2379199
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 01:43	WG2379199
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 01:43	WG2379199
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 01:43	WG2379199
Toluene	U		0.000278	0.00100	1	10/10/2024 01:43	WG2379199
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 01:43	WG2379199
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 01:43	WG2379199
Trichloroethene	U		0.000190	0.00100	1	10/10/2024 01:43	WG2379199
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 01:43	WG2379199
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 01:43	WG2379199
Vinyl chloride	U		0.000234	0.00100	1	10/10/2024 01:43	WG2379199
o-Xylene	U		0.000174	0.00100	1	10/10/2024 01:43	WG2379199
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 01:43	WG2379199
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 01:43	WG2379199
(S) Toluene-d8	*109*			*80.0-120*		*10/10/2024 01:43*	WG2379199
(S) 4-Bromofluorobenzene	*86.2*			*77.0-126*		*10/10/2024 01:43*	WG2379199
(S) 1,2-Dichloroethane-d4	*92.4*			*70.0-130*		*10/10/2024 01:43*	WG2379199

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.171	B	0.0247	0.100	1	10/17/2024 08:43	WG2381333

MW-129
Collected date/time: 10/01/24 11:10
L1784264

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
(S) o-Terphenyl	*112*			*52.0-156*		*10/17/2024 08:43*	WG2381333

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	2760		50.0	1	10/03/2024 14:22	WG2374796

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	385		2.74	5.00	5	10/04/2024 01:03	WG2374349
Fluoride	2.51		0.380	0.750	5	10/04/2024 01:03	WG2374349
Nitrate as (N)	5.79	Q	0.442	0.500	5	10/04/2024 01:03	WG2374349
Nitrite as (N)	U	Q	3.97	5.00	50	10/04/2024 07:35	WG2374349
Sulfate	1220		31.8	250	50	10/04/2024 07:35	WG2374349

Sample Narrative:

L1784264-33 WG2374349: Dilution due to matrix impact on instrumentation at lower dilution

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.0000700	0.000200	1	10/08/2024 03:09	WG2376980

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron	0.434		0.0200	0.200	1	10/14/2024 09:33	WG2378113
Boron,Dissolved	0.452		0.0200	0.200	1	10/17/2024 10:37	WG2374919

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.00318		0.000180	0.00200	1	10/18/2024 13:51	WG2378135
Arsenic,Dissolved	0.00314		0.000180	0.00200	1	10/15/2024 20:05	WG2378104
Barium	0.0121		0.000381	0.00200	1	10/18/2024 13:51	WG2378135
Cadmium	U		0.000150	0.00100	1	10/18/2024 13:51	WG2378135
Calcium	493		0.0936	1.00	1	10/18/2024 13:51	WG2378135
Chromium	U		0.00124	0.00200	1	10/18/2024 13:51	WG2378135
Cobalt	0.00176	J	0.0000596	0.00200	1	10/18/2024 13:51	WG2378135
Iron	0.136		0.0281	0.100	1	10/18/2024 13:51	WG2378135
Iron,Dissolved	U		0.0281	0.100	1	10/15/2024 20:05	WG2378104
Lead	U		0.000849	0.00200	1	10/18/2024 13:51	WG2378135
Manganese	0.0126		0.000704	0.00500	1	10/18/2024 13:51	WG2378135
Manganese,Dissolved	0.00588		0.000704	0.00500	1	10/15/2024 20:05	WG2378104
Nickel	0.00403		0.000816	0.00200	1	10/18/2024 13:51	WG2378135
Potassium	5.40		0.108	2.00	1	10/18/2024 13:51	WG2378135
Selenium	0.00268		0.000300	0.00200	1	10/18/2024 13:51	WG2378135
Sodium	189		0.376	2.00	1	10/18/2024 13:51	WG2378135
Uranium	0.0122		0.0000789	0.00100	1	10/18/2024 13:51	WG2378135
Uranium,Dissolved	0.0121		0.0000789	0.00100	1	10/15/2024 20:05	WG2378104
Vanadium	0.0158		0.000664	0.00500	1	10/18/2024 13:51	WG2378135

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	0.0476	J	0.0314	0.100	1	10/08/2024 22:20	WG2378293
(S) a,a,a-Trifluorotoluene(FID)	*98.9*			*78.0-120*		*10/08/2024 22:20*	WG2378293

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 02:03	WG2379199
Benzene	U		0.0000941	0.00100	1	10/10/2024 02:03	WG2379199
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 02:03	WG2379199
Bromoform	U		0.000129	0.00100	1	10/10/2024 02:03	WG2379199
Bromomethane	U		0.000605	0.00500	1	10/10/2024 02:03	WG2379199
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 02:03	WG2379199
sec-Butylbenzene	U		0.000125	0.00100	1	10/10/2024 02:03	WG2379199
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 02:03	WG2379199
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 02:03	WG2379199
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 02:03	WG2379199
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 02:03	WG2379199
Chloroethane	U		0.000192	0.00500	1	10/10/2024 02:03	WG2379199
Chloroform	U		0.000111	0.00500	1	10/10/2024 02:03	WG2379199
Chloromethane	U		0.000960	0.00250	1	10/10/2024 02:03	WG2379199
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 02:03	WG2379199
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 02:03	WG2379199
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 02:03	WG2379199
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 02:03	WG2379199
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 02:03	WG2379199
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 02:03	WG2379199
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 02:03	WG2379199
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 02:03	WG2379199
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 02:03	WG2379199
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 02:03	WG2379199
Isopropylbenzene	U		0.000105	0.00100	1	10/10/2024 02:03	WG2379199
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 02:03	WG2379199
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 02:03	WG2379199
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 02:03	WG2379199
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 02:03	WG2379199
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 02:03	WG2379199
Methyl tert-butyl ether	0.0471		0.000101	0.00100	1	10/10/2024 02:03	WG2379199
Naphthalene	U		0.00100	0.00500	1	10/10/2024 02:03	WG2379199
n-Propylbenzene	U		0.0000993	0.00100	1	10/10/2024 02:03	WG2379199
Styrene	U		0.000118	0.00100	1	10/10/2024 02:03	WG2379199
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 02:03	WG2379199
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 02:03	WG2379199
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 02:03	WG2379199
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 02:03	WG2379199
Toluene	U		0.000278	0.00100	1	10/10/2024 02:03	WG2379199
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 02:03	WG2379199
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 02:03	WG2379199
Trichloroethene	U		0.000190	0.00100	1	10/10/2024 02:03	WG2379199
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 02:03	WG2379199
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 02:03	WG2379199
Vinyl chloride	U		0.000234	0.00100	1	10/10/2024 02:03	WG2379199
o-Xylene	U		0.000174	0.00100	1	10/10/2024 02:03	WG2379199
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 02:03	WG2379199
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 02:03	WG2379199
(S) Toluene-d8	*105*			*80.0-120*		*10/10/2024 02:03*	WG2379199
(S) 4-Bromofluorobenzene	*84.3*			*77.0-126*		*10/10/2024 02:03*	WG2379199
(S) 1,2-Dichloroethane-d4	*90.9*			*70.0-130*		*10/10/2024 02:03*	WG2379199

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.550		0.0247	0.100	1	10/15/2024 19:06	WG2381333

MW-117
Collected date/time: 10/01/24 11:05
L1784264

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
(S) o-Terphenyl	*108*			*52.0-156*		*10/15/2024 19:06*	WG2381333

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4500		50.0	1	10/03/2024 14:22	WG2374796

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	246		2.74	5.00	5	10/04/2024 01:17	WG2374349
Fluoride	3.69		0.380	0.750	5	10/04/2024 01:17	WG2374349
Nitrate as (N)	10.9	Q	0.442	0.500	5	10/04/2024 01:17	WG2374349
Nitrite as (N)	U	Q	3.97	5.00	50	10/04/2024 07:49	WG2374349
Sulfate	2770		31.8	250	50	10/04/2024 07:49	WG2374349

Sample Narrative:

L1784264-34 WG2374349: Dilution due to matrix impact on instrumentation at lower dilution

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.0000700	0.000200	1	10/08/2024 03:11	WG2376980

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.757		0.0200	0.200	1	10/14/2024 09:35	WG2378113
Boron,Dissolved	0.758		0.0200	0.200	1	10/15/2024 10:47	WG2374921

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00647		0.000180	0.00200	1	10/18/2024 13:54	WG2378135
Arsenic,Dissolved	0.00542		0.000180	0.00200	1	10/15/2024 20:08	WG2378104
Barium	0.0166		0.000381	0.00200	1	10/18/2024 13:54	WG2378135
Cadmium	U		0.000150	0.00100	1	10/18/2024 13:54	WG2378135
Calcium	638		0.0936	1.00	1	10/18/2024 13:54	WG2378135
Chromium	0.00365		0.00124	0.00200	1	10/18/2024 13:54	WG2378135
Cobalt	0.00195	J	0.0000596	0.00200	1	10/18/2024 13:54	WG2378135
Iron	1.18		0.0281	0.100	1	10/18/2024 13:54	WG2378135
Iron,Dissolved	U		0.0281	0.100	1	10/15/2024 20:08	WG2378104
Lead	0.00167	J	0.000849	0.00200	1	10/18/2024 13:54	WG2378135
Manganese	0.0789		0.000704	0.00500	1	10/18/2024 13:54	WG2378135
Manganese,Dissolved	0.000778	J	0.000704	0.00500	1	10/15/2024 20:08	WG2378104
Nickel	0.00294		0.000816	0.00200	1	10/18/2024 13:54	WG2378135
Potassium	2.08		0.108	2.00	1	10/18/2024 13:54	WG2378135
Selenium	0.0165		0.000300	0.00200	1	10/18/2024 13:54	WG2378135
Sodium	201		0.376	2.00	1	10/18/2024 13:54	WG2378135
Uranium	0.0513		0.0000789	0.00100	1	10/18/2024 13:54	WG2378135
Uranium,Dissolved	0.0507		0.0000789	0.00100	1	10/15/2024 20:08	WG2378104
Vanadium	0.0374		0.000664	0.00500	1	10/18/2024 13:54	WG2378135

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/08/2024 22:41	WG2378293
(S) a,a,a-Trifluorotoluene(FID)	*100*			*78.0-120*		*10/08/2024 22:41*	WG2378293

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 02:24	WG2379199
Benzene	U		0.0000941	0.00100	1	10/10/2024 02:24	WG2379199
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 02:24	WG2379199
Bromoform	U		0.000129	0.00100	1	10/10/2024 02:24	WG2379199
Bromomethane	U		0.000605	0.00500	1	10/10/2024 02:24	WG2379199
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 02:24	WG2379199
sec-Butylbenzene	U		0.000125	0.00100	1	10/10/2024 02:24	WG2379199
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 02:24	WG2379199
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 02:24	WG2379199
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 02:24	WG2379199
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 02:24	WG2379199
Chloroethane	U		0.000192	0.00500	1	10/10/2024 02:24	WG2379199
Chloroform	U		0.000111	0.00500	1	10/10/2024 02:24	WG2379199
Chloromethane	U		0.000960	0.00250	1	10/10/2024 02:24	WG2379199
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 02:24	WG2379199
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 02:24	WG2379199
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 02:24	WG2379199
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 02:24	WG2379199
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 02:24	WG2379199
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 02:24	WG2379199
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 02:24	WG2379199
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 02:24	WG2379199
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 02:24	WG2379199
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 02:24	WG2379199
Isopropylbenzene	U		0.000105	0.00100	1	10/10/2024 02:24	WG2379199
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 02:24	WG2379199
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 02:24	WG2379199
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 02:24	WG2379199
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 02:24	WG2379199
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 02:24	WG2379199
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/10/2024 02:24	WG2379199
Naphthalene	U		0.00100	0.00500	1	10/10/2024 02:24	WG2379199
n-Propylbenzene	U		0.0000993	0.00100	1	10/10/2024 02:24	WG2379199
Styrene	U		0.000118	0.00100	1	10/10/2024 02:24	WG2379199
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 02:24	WG2379199
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 02:24	WG2379199
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 02:24	WG2379199
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 02:24	WG2379199
Toluene	U		0.000278	0.00100	1	10/10/2024 02:24	WG2379199
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 02:24	WG2379199
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 02:24	WG2379199
Trichloroethene	U		0.000190	0.00100	1	10/10/2024 02:24	WG2379199
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 02:24	WG2379199
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 02:24	WG2379199
Vinyl chloride	U		0.000234	0.00100	1	10/10/2024 02:24	WG2379199
o-Xylene	U		0.000174	0.00100	1	10/10/2024 02:24	WG2379199
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 02:24	WG2379199
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 02:24	WG2379199
(S) Toluene-d8	*108*			*80.0-120*		*10/10/2024 02:24*	WG2379199
(S) 4-Bromofluorobenzene	*88.6*			*77.0-126*		*10/10/2024 02:24*	WG2379199
(S) 1,2-Dichloroethane-d4	*93.6*			*70.0-130*		*10/10/2024 02:24*	WG2379199

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0531	B J	0.0247	0.100	1	10/15/2024 19:26	WG2381333

MW-116
Collected date/time: 10/01/24 10:15
L1784264

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
(S) o-Terphenyl	*93.7*			*52.0-156*		*10/15/2024 19:26*	WG2381333

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3600		50.0	1	10/03/2024 14:22	WG2374796

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	256		2.74	5.00	5	10/04/2024 01:30	WG2374349
Fluoride	1.31		0.380	0.750	5	10/04/2024 01:30	WG2374349
Nitrate as (N)	8.08	Q	0.442	0.500	5	10/04/2024 01:30	WG2374349
Nitrite as (N)	U	Q	3.97	5.00	50	10/04/2024 08:02	WG2374349
Sulfate	2000		31.8	250	50	10/04/2024 08:02	WG2374349

Sample Narrative:

L1784264-35 WG2374349: Dilution due to matrix impact on instrumentation at lower dilution

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.0000700	0.000200	1	10/08/2024 03:14	WG2376980

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.491		0.0200	0.200	1	10/14/2024 09:36	WG2378113
Boron,Dissolved	0.486		0.0200	0.200	1	10/15/2024 10:48	WG2374921

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00420		0.000180	0.00200	1	10/18/2024 13:57	WG2378135
Arsenic,Dissolved	0.00438		0.000180	0.00200	1	10/15/2024 20:12	WG2378104
Barium	0.0101		0.000381	0.00200	1	10/18/2024 13:57	WG2378135
Cadmium	U		0.000150	0.00100	1	10/18/2024 13:57	WG2378135
Calcium	567		0.0936	1.00	1	10/18/2024 13:57	WG2378135
Chromium	U		0.00124	0.00200	1	10/18/2024 13:57	WG2378135
Cobalt	0.000145	J	0.0000596	0.00200	1	10/18/2024 13:57	WG2378135
Iron	0.0343	J	0.0281	0.100	1	10/18/2024 13:57	WG2378135
Iron,Dissolved	U		0.0281	0.100	1	10/15/2024 20:12	WG2378104
Lead	U		0.000849	0.00200	1	10/18/2024 13:57	WG2378135
Manganese	0.00602		0.000704	0.00500	1	10/18/2024 13:57	WG2378135
Manganese,Dissolved	0.00149	J	0.000704	0.00500	1	10/15/2024 20:12	WG2378104
Nickel	0.00138	J	0.000816	0.00200	1	10/18/2024 13:57	WG2378135
Potassium	0.668	J	0.108	2.00	1	10/18/2024 13:57	WG2378135
Selenium	0.00430		0.000300	0.00200	1	10/18/2024 13:57	WG2378135
Sodium	184		0.376	2.00	1	10/18/2024 13:57	WG2378135
Uranium	0.0468		0.0000789	0.00100	1	10/18/2024 13:57	WG2378135
Uranium,Dissolved	0.0454		0.0000789	0.00100	1	10/15/2024 20:12	WG2378104
Vanadium	0.0195		0.000664	0.00500	1	10/18/2024 13:57	WG2378135

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/08/2024 23:03	WG2378293
(S) a,a,a-Trifluorotoluene(FID)	*100*			*78.0-120*		*10/08/2024 23:03*	WG2378293

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 02:44	WG2379199
Benzene	U		0.0000941	0.00100	1	10/10/2024 02:44	WG2379199
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 02:44	WG2379199
Bromoform	U		0.000129	0.00100	1	10/10/2024 02:44	WG2379199
Bromomethane	U		0.000605	0.00500	1	10/10/2024 02:44	WG2379199
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 02:44	WG2379199
sec-Butylbenzene	U		0.000125	0.00100	1	10/10/2024 02:44	WG2379199
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 02:44	WG2379199
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 02:44	WG2379199
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 02:44	WG2379199
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 02:44	WG2379199
Chloroethane	U		0.000192	0.00500	1	10/10/2024 02:44	WG2379199
Chloroform	U		0.000111	0.00500	1	10/10/2024 02:44	WG2379199
Chloromethane	U		0.000960	0.00250	1	10/10/2024 02:44	WG2379199
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 02:44	WG2379199
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 02:44	WG2379199
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 02:44	WG2379199
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 02:44	WG2379199
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 02:44	WG2379199
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 02:44	WG2379199
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 02:44	WG2379199
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 02:44	WG2379199
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 02:44	WG2379199
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 02:44	WG2379199
Isopropylbenzene	U		0.000105	0.00100	1	10/10/2024 02:44	WG2379199
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 02:44	WG2379199
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 02:44	WG2379199
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 02:44	WG2379199
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 02:44	WG2379199
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 02:44	WG2379199
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/10/2024 02:44	WG2379199
Naphthalene	U		0.00100	0.00500	1	10/10/2024 02:44	WG2379199
n-Propylbenzene	U		0.0000993	0.00100	1	10/10/2024 02:44	WG2379199
Styrene	U		0.000118	0.00100	1	10/10/2024 02:44	WG2379199
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 02:44	WG2379199
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 02:44	WG2379199
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 02:44	WG2379199
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 02:44	WG2379199
Toluene	U		0.000278	0.00100	1	10/10/2024 02:44	WG2379199
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 02:44	WG2379199
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 02:44	WG2379199
Trichloroethene	U		0.000190	0.00100	1	10/10/2024 02:44	WG2379199
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 02:44	WG2379199
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 02:44	WG2379199
Vinyl chloride	U		0.000234	0.00100	1	10/10/2024 02:44	WG2379199
o-Xylene	U		0.000174	0.00100	1	10/10/2024 02:44	WG2379199
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 02:44	WG2379199
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 02:44	WG2379199
(S) Toluene-d8	*109*			*80.0-120*		*10/10/2024 02:44*	WG2379199
(S) 4-Bromofluorobenzene	*88.9*			*77.0-126*		*10/10/2024 02:44*	WG2379199
(S) 1,2-Dichloroethane-d4	*91.1*			*70.0-130*		*10/10/2024 02:44*	WG2379199

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0592	B J	0.0247	0.100	1	10/15/2024 19:45	WG2381333

MW-113
Collected date/time: 10/01/24 09:25
L1784264

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
(S) o-Terphenyl	*97.9*			*52.0-156*		*10/15/2024 19:45*	WG2381333

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2890		50.0	1	10/03/2024 14:22	WG2374796

Wet Chemistry by Method 4500CN E-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Cyanide	0.0218	J	0.0180	0.0500	10	10/04/2024 11:07	WG2374789

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	304		2.74	5.00	5	10/04/2024 01:44	WG2374349
Fluoride	1.14		0.380	0.750	5	10/04/2024 01:44	WG2374349
Nitrate as (N)	15.1	Q	0.442	0.500	5	10/04/2024 01:44	WG2374349
Nitrite as (N)	U	Q	3.97	5.00	50	10/04/2024 08:16	WG2374349
Sulfate	1600		31.8	250	50	10/04/2024 08:16	WG2374349

Sample Narrative:

L1784264-36 WG2374349: Dilution due to matrix impact on instrumentation at lower dilution

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.0000700	0.000200	1	10/08/2024 03:17	WG2376980

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.485		0.0200	0.200	1	10/14/2024 09:41	WG2378113

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00262		0.000180	0.00200	1	10/18/2024 14:11	WG2378135
Barium	0.0125		0.000381	0.00200	1	10/18/2024 14:11	WG2378135
Cadmium	U		0.000150	0.00100	1	10/18/2024 14:11	WG2378135
Calcium	563		0.0936	1.00	1	10/18/2024 14:11	WG2378135
Chromium	U		0.00124	0.00200	1	10/18/2024 14:11	WG2378135
Cobalt	0.000754	J	0.0000596	0.00200	1	10/18/2024 14:11	WG2378135
Iron	0.144		0.0281	0.100	1	10/18/2024 14:11	WG2378135
Lead	U		0.000849	0.00200	1	10/18/2024 14:11	WG2378135
Manganese	0.00909		0.000704	0.00500	1	10/18/2024 14:11	WG2378135
Nickel	0.00213		0.000816	0.00200	1	10/18/2024 14:11	WG2378135
Potassium	2.10		0.108	2.00	1	10/18/2024 14:11	WG2378135
Selenium	0.00701		0.000300	0.00200	1	10/18/2024 14:11	WG2378135
Sodium	84.7		0.376	2.00	1	10/18/2024 14:11	WG2378135
Uranium	0.0340		0.0000789	0.00100	1	10/18/2024 14:11	WG2378135
Vanadium	0.0155		0.000664	0.00500	1	10/18/2024 14:11	WG2378135

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/08/2024 23:25	WG2378293

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
(S) a,a,a-Trifluorotoluene(FID)	*99.5*			*78.0-120*		*10/08/2024 23:25*	WG2378293

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 03:04	WG2379199
Benzene	U		0.0000941	0.00100	1	10/10/2024 03:04	WG2379199
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 03:04	WG2379199
Bromoform	U		0.000129	0.00100	1	10/10/2024 03:04	WG2379199
Bromomethane	U		0.000605	0.00500	1	10/10/2024 03:04	WG2379199
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 03:04	WG2379199
sec-Butylbenzene	U		0.000125	0.00100	1	10/10/2024 03:04	WG2379199
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 03:04	WG2379199
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 03:04	WG2379199
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 03:04	WG2379199
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 03:04	WG2379199
Chloroethane	U		0.000192	0.00500	1	10/10/2024 03:04	WG2379199
Chloroform	U		0.000111	0.00500	1	10/10/2024 03:04	WG2379199
Chloromethane	U		0.000960	0.00250	1	10/10/2024 03:04	WG2379199
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 03:04	WG2379199
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 03:04	WG2379199
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 03:04	WG2379199
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 03:04	WG2379199
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 03:04	WG2379199
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 03:04	WG2379199
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 03:04	WG2379199
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 03:04	WG2379199
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 03:04	WG2379199
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 03:04	WG2379199
Isopropylbenzene	U		0.000105	0.00100	1	10/10/2024 03:04	WG2379199
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 03:04	WG2379199
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 03:04	WG2379199
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 03:04	WG2379199
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 03:04	WG2379199
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 03:04	WG2379199
Methyl tert-butyl ether	0.000207	J	0.000101	0.00100	1	10/10/2024 03:04	WG2379199
Naphthalene	U		0.00100	0.00500	1	10/10/2024 03:04	WG2379199
n-Propylbenzene	U		0.0000993	0.00100	1	10/10/2024 03:04	WG2379199
Styrene	U		0.000118	0.00100	1	10/10/2024 03:04	WG2379199
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 03:04	WG2379199
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 03:04	WG2379199
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 03:04	WG2379199
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 03:04	WG2379199
Toluene	U		0.000278	0.00100	1	10/10/2024 03:04	WG2379199
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 03:04	WG2379199
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 03:04	WG2379199
Trichloroethene	U		0.000190	0.00100	1	10/10/2024 03:04	WG2379199
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 03:04	WG2379199
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 03:04	WG2379199
Vinyl chloride	U		0.000234	0.00100	1	10/10/2024 03:04	WG2379199
o-Xylene	U		0.000174	0.00100	1	10/10/2024 03:04	WG2379199
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 03:04	WG2379199
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 03:04	WG2379199
(S) Toluene-d8	*110*			*80.0-120*		*10/10/2024 03:04*	WG2379199
(S) 4-Bromofluorobenzene	*84.4*			*77.0-126*		*10/10/2024 03:04*	WG2379199

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
(S) 1,2-Dichloroethane-d4	*93.7*			*70.0-130*		*10/10/2024 03:04*	WG2379199

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.159	B	0.0247	0.100	1	10/15/2024 20:05	WG2381333
(S) o-Terphenyl	*106*			*52.0-156*		*10/15/2024 20:05*	WG2381333

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3540		50.0	1	10/03/2024 14:22	WG2374796

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	254		2.74	5.00	5	10/04/2024 01:57	WG2374349
Fluoride	0.669	J	0.380	0.750	5	10/04/2024 01:57	WG2374349
Nitrate as (N)	6.87	Q	0.442	0.500	5	10/04/2024 01:57	WG2374349
Nitrite as (N)	U	Q	3.97	5.00	50	10/04/2024 08:29	WG2374349
Sulfate	2020		31.8	250	50	10/04/2024 08:29	WG2374349

Sample Narrative:

L1784264-37 WG2374349: Dilution due to matrix impact on instrumentation at lower dilution

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00412		0.000180	0.00200	1	10/18/2024 14:14	WG2378135
Barium	0.00927		0.000381	0.00200	1	10/18/2024 14:14	WG2378135
Calcium	567		0.0936	1.00	1	10/18/2024 14:14	WG2378135
Chromium	U		0.00124	0.00200	1	10/18/2024 14:14	WG2378135
Iron	U		0.0281	0.100	1	10/18/2024 14:14	WG2378135
Lead	U		0.000849	0.00200	1	10/18/2024 14:14	WG2378135
Manganese	0.0380		0.000704	0.00500	1	10/18/2024 14:14	WG2378135
Potassium	2.40		0.108	2.00	1	10/18/2024 14:14	WG2378135
Selenium	0.00317		0.000300	0.00200	1	10/18/2024 14:14	WG2378135
Sodium	207		0.376	2.00	1	10/18/2024 14:14	WG2378135

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/08/2024 23:46	WG2378293
(S) a,a,a-Trifluorotoluene(FID)	*99.2*			*78.0-120*		*10/08/2024 23:46*	WG2378293

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 03:24	WG2379199
Benzene	U		0.0000941	0.00100	1	10/10/2024 03:24	WG2379199
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 03:24	WG2379199
Bromoform	U		0.000129	0.00100	1	10/10/2024 03:24	WG2379199
Bromomethane	U		0.000605	0.00500	1	10/10/2024 03:24	WG2379199
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 03:24	WG2379199
sec-Butylbenzene	U		0.000125	0.00100	1	10/10/2024 03:24	WG2379199
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 03:24	WG2379199
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 03:24	WG2379199
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 03:24	WG2379199
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 03:24	WG2379199
Chloroethane	U		0.000192	0.00500	1	10/10/2024 03:24	WG2379199
Chloroform	U		0.000111	0.00500	1	10/10/2024 03:24	WG2379199
Chloromethane	U		0.000960	0.00250	1	10/10/2024 03:24	WG2379199
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 03:24	WG2379199
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 03:24	WG2379199

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 03:24	WG2379199
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 03:24	WG2379199
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 03:24	WG2379199
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 03:24	WG2379199
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 03:24	WG2379199
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 03:24	WG2379199
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 03:24	WG2379199
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 03:24	WG2379199
Isopropylbenzene	U		0.000105	0.00100	1	10/10/2024 03:24	WG2379199
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 03:24	WG2379199
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 03:24	WG2379199
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 03:24	WG2379199
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 03:24	WG2379199
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 03:24	WG2379199
Methyl tert-butyl ether	0.000204	J	0.000101	0.00100	1	10/10/2024 03:24	WG2379199
Naphthalene	U		0.00100	0.00500	1	10/10/2024 03:24	WG2379199
n-Propylbenzene	U		0.0000993	0.00100	1	10/10/2024 03:24	WG2379199
Styrene	U		0.000118	0.00100	1	10/10/2024 03:24	WG2379199
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 03:24	WG2379199
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 03:24	WG2379199
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 03:24	WG2379199
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 03:24	WG2379199
Toluene	U		0.000278	0.00100	1	10/10/2024 03:24	WG2379199
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 03:24	WG2379199
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 03:24	WG2379199
Trichloroethene	U		0.000190	0.00100	1	10/10/2024 03:24	WG2379199
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 03:24	WG2379199
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 03:24	WG2379199
Vinyl chloride	U		0.000234	0.00100	1	10/10/2024 03:24	WG2379199
o-Xylene	U		0.000174	0.00100	1	10/10/2024 03:24	WG2379199
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 03:24	WG2379199
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 03:24	WG2379199
(S) Toluene-d8	*111*			*80.0-120*		*10/10/2024 03:24*	WG2379199
(S) 4-Bromofluorobenzene	*92.9*			*77.0-126*		*10/10/2024 03:24*	WG2379199
(S) 1,2-Dichloroethane-d4	*93.9*			*70.0-130*		*10/10/2024 03:24*	WG2379199

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.311		0.0247	0.100	1	10/15/2024 20:25	WG2381333
(S) o-Terphenyl	*103*			*52.0-156*		*10/15/2024 20:25*	WG2381333

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0437	J	0.0314	0.100	1	10/09/2024 00:08	WG2378293
(S) a,a,a-Trifluorotoluene(FID)	*99.9*			*78.0-120*		*10/09/2024 00:08*	WG2378293

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 00:00	WG2379215
Benzene	U		0.0000941	0.00100	1	10/10/2024 00:00	WG2379215
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 00:00	WG2379215
Bromoform	U		0.000129	0.00100	1	10/10/2024 00:00	WG2379215
Bromomethane	U		0.000605	0.00500	1	10/10/2024 00:00	WG2379215
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 00:00	WG2379215
sec-Butylbenzene	U		0.000125	0.00100	1	10/10/2024 00:00	WG2379215
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 00:00	WG2379215
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 00:00	WG2379215
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 00:00	WG2379215
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 00:00	WG2379215
Chloroethane	U		0.000192	0.00500	1	10/10/2024 00:00	WG2379215
Chloroform	U		0.000111	0.00500	1	10/10/2024 00:00	WG2379215
Chloromethane	U		0.000960	0.00250	1	10/10/2024 00:00	WG2379215
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 00:00	WG2379215
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 00:00	WG2379215
1,2-Dichloroethane	0.00137		0.0000819	0.00100	1	10/10/2024 00:00	WG2379215
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 00:00	WG2379215
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 00:00	WG2379215
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 00:00	WG2379215
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 00:00	WG2379215
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 00:00	WG2379215
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 00:00	WG2379215
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 00:00	WG2379215
Isopropylbenzene	U		0.000105	0.00100	1	10/10/2024 00:00	WG2379215
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 00:00	WG2379215
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 00:00	WG2379215
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 00:00	WG2379215
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 00:00	WG2379215
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 00:00	WG2379215
Methyl tert-butyl ether	0.0388		0.000101	0.00100	1	10/10/2024 00:00	WG2379215
Naphthalene	U		0.00100	0.00500	1	10/10/2024 00:00	WG2379215
n-Propylbenzene	U		0.0000993	0.00100	1	10/10/2024 00:00	WG2379215
Styrene	U		0.000118	0.00100	1	10/10/2024 00:00	WG2379215
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 00:00	WG2379215
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 00:00	WG2379215
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 00:00	WG2379215
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 00:00	WG2379215
Toluene	U		0.000278	0.00100	1	10/10/2024 00:00	WG2379215
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 00:00	WG2379215
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 00:00	WG2379215
Trichloroethene	U		0.000190	0.00100	1	10/10/2024 00:00	WG2379215
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 00:00	WG2379215
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 00:00	WG2379215
Vinyl chloride	U		0.000234	0.00100	1	10/10/2024 00:00	WG2379215
o-Xylene	U		0.000174	0.00100	1	10/10/2024 00:00	WG2379215
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 00:00	WG2379215
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 00:00	WG2379215
(S) Toluene-d8	*115*			*80.0-120*		*10/10/2024 00:00*	WG2379215

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*10/10/2024 00:00*	WG2379215
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*10/10/2024 00:00*	WG2379215

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.270	B	0.0247	0.100	1	10/15/2024 20:44	WG2381333
(S) o-Terphenyl	*115*			*52.0-156*		*10/15/2024 20:44*	WG2381333

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	4080		50.0	1	10/03/2024 14:22	WG2374796

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	229		2.74	5.00	5	10/04/2024 02:12	WG2374349
Fluoride	0.935		0.380	0.750	5	10/04/2024 02:12	WG2374349
Nitrate as (N)	8.82	Q	0.442	0.500	5	10/04/2024 02:12	WG2374349
Nitrite as (N)	U	Q	3.97	5.00	50	10/04/2024 08:43	WG2374349
Sulfate	2610		31.8	250	50	10/04/2024 08:43	WG2374349

Sample Narrative:

L1784264-39 WG2374349: Dilution due to matrix impact on instrumentation at lower dilution

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron,Dissolved	0.680		0.0200	0.200	1	10/15/2024 10:50	WG2374921

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic,Dissolved	0.00299		0.000180	0.00200	1	10/15/2024 20:15	WG2378104
Calcium	570		0.0936	1.00	1	10/18/2024 14:17	WG2378135
Iron,Dissolved	U		0.0281	0.100	1	10/15/2024 20:15	WG2378104
Manganese,Dissolved	0.0354		0.000704	0.00500	1	10/15/2024 20:15	WG2378104
Potassium	2.22		0.108	2.00	1	10/18/2024 14:17	WG2378135
Sodium	205		0.376	2.00	1	10/18/2024 14:17	WG2378135
Uranium,Dissolved	0.0393		0.0000789	0.00100	1	10/15/2024 20:15	WG2378104

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3550		50.0	1	10/03/2024 14:22	WG2374796

Wet Chemistry by Method 4500CN E-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Cyanide	U		0.0450	0.125	25	10/04/2024 11:08	WG2374789

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	163		2.74	5.00	5	10/04/2024 02:25	WG2374349
Fluoride	0.594	J	0.380	0.750	5	10/04/2024 02:25	WG2374349
Nitrate as (N)	25.9	Q	0.442	0.500	5	10/04/2024 02:25	WG2374349
Nitrite as (N)	1.30	Q	0.397	0.500	5	10/04/2024 02:25	WG2374349
Sulfate	1820		31.8	250	50	10/04/2024 08:56	WG2374349

Sample Narrative:

L1784264-40 WG2374349: Dilution due to matrix impact on instrumentation at lower dilution

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.0000700	0.000200	1	10/08/2024 03:19	WG2376980

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.507		0.0200	0.200	1	10/14/2024 09:43	WG2378113

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00238		0.000180	0.00200	1	10/18/2024 14:20	WG2378135
Barium	0.0221		0.000381	0.00200	1	10/18/2024 14:20	WG2378135
Cadmium	U		0.000150	0.00100	1	10/18/2024 14:20	WG2378135
Calcium	574		0.0936	1.00	1	10/18/2024 14:20	WG2378135
Chromium	U		0.00124	0.00200	1	10/18/2024 14:20	WG2378135
Cobalt	0.000384	J	0.0000596	0.00200	1	10/18/2024 14:20	WG2378135
Iron	0.129		0.0281	0.100	1	10/18/2024 14:20	WG2378135
Lead	U		0.000849	0.00200	1	10/18/2024 14:20	WG2378135
Manganese	0.0732		0.000704	0.00500	1	10/18/2024 14:20	WG2378135
Nickel	0.00198	J	0.000816	0.00200	1	10/18/2024 14:20	WG2378135
Potassium	4.89		0.108	2.00	1	10/18/2024 14:20	WG2378135
Selenium	0.00292		0.000300	0.00200	1	10/18/2024 14:20	WG2378135
Sodium	171		0.376	2.00	1	10/18/2024 14:20	WG2378135
Uranium	0.0256		0.0000789	0.00100	1	10/18/2024 14:20	WG2378135
Vanadium	0.0127		0.000664	0.00500	1	10/18/2024 14:20	WG2378135

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/09/2024 00:29	WG2378293

Received by OCD: 6/12/2025 1:19:15 PM

KWD-12A
Collected date/time: 10/01/24 13:25
L1784264

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
(S) a,a,a-Trifluorotoluene(FID)	*99.0*			*78.0-120*		*10/09/2024 00:29*	WG2378293

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 00:21	WG2379215
Benzene	U		0.0000941	0.00100	1	10/10/2024 00:21	WG2379215
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 00:21	WG2379215
Bromoform	U		0.000129	0.00100	1	10/10/2024 00:21	WG2379215
Bromomethane	U		0.000605	0.00500	1	10/10/2024 00:21	WG2379215
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 00:21	WG2379215
sec-Butylbenzene	U		0.000125	0.00100	1	10/10/2024 00:21	WG2379215
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 00:21	WG2379215
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 00:21	WG2379215
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 00:21	WG2379215
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 00:21	WG2379215
Chloroethane	U		0.000192	0.00500	1	10/10/2024 00:21	WG2379215
Chloroform	U		0.000111	0.00500	1	10/10/2024 00:21	WG2379215
Chloromethane	U		0.000960	0.00250	1	10/10/2024 00:21	WG2379215
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 00:21	WG2379215
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 00:21	WG2379215
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 00:21	WG2379215
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 00:21	WG2379215
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 00:21	WG2379215
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 00:21	WG2379215
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 00:21	WG2379215
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 00:21	WG2379215
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 00:21	WG2379215
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 00:21	WG2379215
Isopropylbenzene	U		0.000105	0.00100	1	10/10/2024 00:21	WG2379215
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 00:21	WG2379215
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 00:21	WG2379215
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 00:21	WG2379215
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 00:21	WG2379215
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 00:21	WG2379215
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/10/2024 00:21	WG2379215
Naphthalene	U		0.00100	0.00500	1	10/10/2024 00:21	WG2379215
n-Propylbenzene	U		0.0000993	0.00100	1	10/10/2024 00:21	WG2379215
Styrene	U		0.000118	0.00100	1	10/10/2024 00:21	WG2379215
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 00:21	WG2379215
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 00:21	WG2379215
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 00:21	WG2379215
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 00:21	WG2379215
Toluene	U		0.000278	0.00100	1	10/10/2024 00:21	WG2379215
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 00:21	WG2379215
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 00:21	WG2379215
Trichloroethene	U		0.000190	0.00100	1	10/10/2024 00:21	WG2379215
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 00:21	WG2379215
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 00:21	WG2379215
Vinyl chloride	U		0.000234	0.00100	1	10/10/2024 00:21	WG2379215
o-Xylene	U		0.000174	0.00100	1	10/10/2024 00:21	WG2379215
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 00:21	WG2379215
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 00:21	WG2379215
(S) Toluene-d8	*112*			*80.0-120*		*10/10/2024 00:21*	WG2379215
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*10/10/2024 00:21*	WG2379215

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Released to Imaging: 6/17/2025 4:41:11 PM

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*10/10/2024 00:21*	WG2379215

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.416		0.0247	0.100	1	10/15/2024 21:04	WG2381333
(S) o-Terphenyl	*123*			*52.0-156*		*10/15/2024 21:04*	WG2381333

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3540		50.0	1	10/03/2024 14:22	WG2374796

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	129		2.74	5.00	5	10/04/2024 02:39	WG2374349
Fluoride	0.775		0.380	0.750	5	10/04/2024 02:39	WG2374349
Nitrate as (N)	18.2	Q	0.442	0.500	5	10/04/2024 02:39	WG2374349
Nitrite as (N)	U	Q	3.97	5.00	50	10/04/2024 09:10	WG2374349
Sulfate	2120		31.8	250	50	10/04/2024 09:10	WG2374349

Sample Narrative:

L1784264-41 WG2374349: Dilution due to matrix impact on instrumentation at lower dilution

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00538		0.000180	0.00200	1	10/17/2024 23:54	WG2378137
Barium	0.0512		0.000381	0.00200	1	10/17/2024 23:54	WG2378137
Calcium	523	O1 V	0.0936	1.00	1	10/17/2024 23:54	WG2378137
Chromium	0.0100		0.00124	0.00200	1	10/17/2024 23:54	WG2378137
Iron	2.95	J5 O1	0.0281	0.100	1	10/17/2024 23:54	WG2378137
Lead	0.0153		0.000849	0.00200	1	10/17/2024 23:54	WG2378137
Manganese	0.0979		0.000704	0.00500	1	10/17/2024 23:54	WG2378137
Potassium	1.39	J	0.108	2.00	1	10/17/2024 23:54	WG2378137
Selenium	0.00899		0.000300	0.00200	1	10/17/2024 23:54	WG2378137
Sodium	236	O1 V	0.376	2.00	1	10/17/2024 23:54	WG2378137

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 00:42	WG2379215
Benzene	U		0.0000941	0.00100	1	10/10/2024 00:42	WG2379215
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 00:42	WG2379215
Bromoform	U		0.000129	0.00100	1	10/10/2024 00:42	WG2379215
Bromomethane	U		0.000605	0.00500	1	10/10/2024 00:42	WG2379215
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 00:42	WG2379215
sec-Butylbenzene	U		0.000125	0.00100	1	10/10/2024 00:42	WG2379215
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 00:42	WG2379215
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 00:42	WG2379215
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 00:42	WG2379215
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 00:42	WG2379215
Chloroethane	U		0.000192	0.00500	1	10/10/2024 00:42	WG2379215
Chloroform	U		0.000111	0.00500	1	10/10/2024 00:42	WG2379215
Chloromethane	U		0.000960	0.00250	1	10/10/2024 00:42	WG2379215
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 00:42	WG2379215
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 00:42	WG2379215
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 00:42	WG2379215
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 00:42	WG2379215
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 00:42	WG2379215
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 00:42	WG2379215
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 00:42	WG2379215
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 00:42	WG2379215
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 00:42	WG2379215

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 00:42	WG2379215
Isopropylbenzene	U		0.000105	0.00100	1	10/10/2024 00:42	WG2379215
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 00:42	WG2379215
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 00:42	WG2379215
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 00:42	WG2379215
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 00:42	WG2379215
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 00:42	WG2379215
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/10/2024 00:42	WG2379215
Naphthalene	U		0.00100	0.00500	1	10/10/2024 00:42	WG2379215
n-Propylbenzene	U		0.0000993	0.00100	1	10/10/2024 00:42	WG2379215
Styrene	U		0.000118	0.00100	1	10/10/2024 00:42	WG2379215
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 00:42	WG2379215
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 00:42	WG2379215
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 00:42	WG2379215
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 00:42	WG2379215
Toluene	U		0.000278	0.00100	1	10/10/2024 00:42	WG2379215
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 00:42	WG2379215
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 00:42	WG2379215
Trichloroethene	U		0.000190	0.00100	1	10/10/2024 00:42	WG2379215
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 00:42	WG2379215
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 00:42	WG2379215
Vinyl chloride	U		0.000234	0.00100	1	10/10/2024 00:42	WG2379215
o-Xylene	U		0.000174	0.00100	1	10/10/2024 00:42	WG2379215
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 00:42	WG2379215
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 00:42	WG2379215
(S) Toluene-d8	*112*			*80.0-120*		*10/10/2024 00:42*	WG2379215
(S) 4-Bromofluorobenzene	*107*			*77.0-126*		*10/10/2024 00:42*	WG2379215
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*10/10/2024 00:42*	WG2379215

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) High Fraction	0.0634	B J	0.0247	0.100	1	10/15/2024 21:23	WG2381333
(S) o-Terphenyl	*108*			*52.0-156*		*10/15/2024 21:23*	WG2381333

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3540		50.0	1	10/03/2024 14:22	WG2374796

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	142		2.74	5.00	5	10/04/2024 02:52	WG2374349
Fluoride	0.499	J	0.380	0.750	5	10/04/2024 02:52	WG2374349
Nitrate as (N)	9.16	Q	0.442	0.500	5	10/04/2024 02:52	WG2374349
Nitrite as (N)	U	Q	3.97	5.00	50	10/04/2024 09:23	WG2374349
Sulfate	2280		31.8	250	50	10/04/2024 09:23	WG2374349

Sample Narrative:

L1784264-42 WG2374349: Dilution due to matrix impact on instrumentation at lower dilution

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00164	J	0.000180	0.00200	1	10/18/2024 04:02	WG2378137
Barium	0.0124		0.000381	0.00200	1	10/18/2024 04:02	WG2378137
Calcium	487		0.0936	1.00	1	10/18/2024 04:02	WG2378137
Chromium	U		0.00124	0.00200	1	10/18/2024 04:02	WG2378137
Iron	0.108		0.0281	0.100	1	10/18/2024 04:02	WG2378137
Lead	U		0.000849	0.00200	1	10/18/2024 04:02	WG2378137
Manganese	0.0231		0.000704	0.00500	1	10/18/2024 04:02	WG2378137
Potassium	1.04	J	0.108	2.00	1	10/18/2024 04:02	WG2378137
Selenium	0.00318		0.000300	0.00200	1	10/18/2024 04:02	WG2378137
Sodium	170		0.376	2.00	1	10/18/2024 04:02	WG2378137

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 01:03	WG2379215
Benzene	U		0.0000941	0.00100	1	10/10/2024 01:03	WG2379215
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 01:03	WG2379215
Bromoform	U		0.000129	0.00100	1	10/10/2024 01:03	WG2379215
Bromomethane	U		0.000605	0.00500	1	10/10/2024 01:03	WG2379215
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 01:03	WG2379215
sec-Butylbenzene	U		0.000125	0.00100	1	10/10/2024 01:03	WG2379215
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 01:03	WG2379215
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 01:03	WG2379215
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 01:03	WG2379215
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 01:03	WG2379215
Chloroethane	U		0.000192	0.00500	1	10/10/2024 01:03	WG2379215
Chloroform	U		0.000111	0.00500	1	10/10/2024 01:03	WG2379215
Chloromethane	U		0.000960	0.00250	1	10/10/2024 01:03	WG2379215
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 01:03	WG2379215
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 01:03	WG2379215
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 01:03	WG2379215
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 01:03	WG2379215
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 01:03	WG2379215
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 01:03	WG2379215
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 01:03	WG2379215
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 01:03	WG2379215
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 01:03	WG2379215

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 01:03	WG2379215
Isopropylbenzene	U		0.000105	0.00100	1	10/10/2024 01:03	WG2379215
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 01:03	WG2379215
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 01:03	WG2379215
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 01:03	WG2379215
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 01:03	WG2379215
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 01:03	WG2379215
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/10/2024 01:03	WG2379215
Naphthalene	U		0.00100	0.00500	1	10/10/2024 01:03	WG2379215
n-Propylbenzene	U		0.0000993	0.00100	1	10/10/2024 01:03	WG2379215
Styrene	U		0.000118	0.00100	1	10/10/2024 01:03	WG2379215
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 01:03	WG2379215
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 01:03	WG2379215
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 01:03	WG2379215
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 01:03	WG2379215
Toluene	U		0.000278	0.00100	1	10/10/2024 01:03	WG2379215
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 01:03	WG2379215
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 01:03	WG2379215
Trichloroethene	U		0.000190	0.00100	1	10/10/2024 01:03	WG2379215
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 01:03	WG2379215
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 01:03	WG2379215
Vinyl chloride	U		0.000234	0.00100	1	10/10/2024 01:03	WG2379215
o-Xylene	U		0.000174	0.00100	1	10/10/2024 01:03	WG2379215
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 01:03	WG2379215
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 01:03	WG2379215
(S) Toluene-d8	*110*			*80.0-120*		*10/10/2024 01:03*	WG2379215
(S) 4-Bromofluorobenzene	*107*			*77.0-126*		*10/10/2024 01:03*	WG2379215
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*10/10/2024 01:03*	WG2379215

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) High Fraction	0.0965	B J	0.0247	0.100	1	10/15/2024 21:43	WG2381333
(S) o-Terphenyl	*111*			*52.0-156*		*10/15/2024 21:43*	WG2381333

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3650		50.0	1	10/03/2024 14:22	WG2374796

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	254		2.74	5.00	5	10/04/2024 03:06	WG2374349
Fluoride	1.44		0.380	0.750	5	10/04/2024 03:06	WG2374349
Nitrate as (N)	6.99	Q	0.442	0.500	5	10/04/2024 03:06	WG2374349
Nitrite as (N)	U	Q	3.97	5.00	50	10/04/2024 09:37	WG2374349
Sulfate	2150		31.8	250	50	10/04/2024 09:37	WG2374349

Sample Narrative:

L1784264-43 WG2374349: Dilution due to matrix impact on instrumentation at lower dilution

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.0000700	0.000200	1	10/08/2024 03:21	WG2376980

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.450		0.0200	0.200	1	10/14/2024 09:44	WG2378113
Boron,Dissolved	0.453		0.0200	0.200	1	10/15/2024 10:52	WG2374921

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00341		0.000180	0.00200	1	10/18/2024 04:05	WG2378137
Arsenic,Dissolved	0.00330		0.000180	0.00200	1	10/15/2024 20:43	WG2378104
Barium	0.00949		0.000381	0.00200	1	10/18/2024 04:05	WG2378137
Cadmium	U		0.000150	0.00100	1	10/18/2024 04:05	WG2378137
Calcium	540		0.0936	1.00	1	10/18/2024 04:05	WG2378137
Chromium	U		0.00124	0.00200	1	10/18/2024 04:05	WG2378137
Cobalt	0.000520	J	0.0000596	0.00200	1	10/18/2024 04:05	WG2378137
Iron	0.0667	J	0.0281	0.100	1	10/18/2024 04:05	WG2378137
Iron,Dissolved	0.0390	J	0.0281	0.100	1	10/15/2024 20:43	WG2378104
Lead	U		0.000849	0.00200	1	10/18/2024 04:05	WG2378137
Manganese	0.0263		0.000704	0.00500	1	10/18/2024 04:05	WG2378137
Manganese,Dissolved	0.0223		0.000704	0.00500	1	10/15/2024 20:43	WG2378104
Nickel	0.00437		0.000816	0.00200	1	10/18/2024 04:05	WG2378137
Potassium	1.04	J	0.108	2.00	1	10/18/2024 04:05	WG2378137
Selenium	0.00492		0.000300	0.00200	1	10/18/2024 04:05	WG2378137
Sodium	156		0.376	2.00	1	10/18/2024 04:05	WG2378137
Uranium	0.0404		0.0000789	0.00100	1	10/18/2024 04:05	WG2378137
Uranium,Dissolved	0.0420		0.0000789	0.00100	1	10/15/2024 20:43	WG2378104
Vanadium	0.0199		0.000664	0.00500	1	10/18/2024 04:05	WG2378137

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4070		50.0	1	10/03/2024 14:22	WG2374796

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	239		5.47	10.0	10	10/04/2024 03:46	WG2374349
Fluoride	1.45	J	0.761	1.50	10	10/04/2024 03:46	WG2374349
Nitrate as (N)	U	Q	0.884	1.00	10	10/04/2024 03:46	WG2374349
Nitrite as (N)	U	Q	7.94	10.0	100	10/04/2024 10:17	WG2374349
Sulfate	2470		63.7	500	100	10/04/2024 10:17	WG2374349

Sample Narrative:

L1784264-44 WG2374349: Dilution due to matrix impact on instrumentation at lower dilution

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.0000700	0.000200	1	10/08/2024 03:24	WG2376980

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.764		0.0200	0.200	1	10/14/2024 09:46	WG2378113
Boron,Dissolved	0.767		0.0200	0.200	1	10/15/2024 10:57	WG2374921

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00372		0.000180	0.00200	1	10/18/2024 03:56	WG2378137
Arsenic,Dissolved	0.00378		0.000180	0.00200	1	10/15/2024 20:49	WG2378104
Barium	0.00795		0.000381	0.00200	1	10/18/2024 03:56	WG2378137
Cadmium	U		0.000150	0.00100	1	10/18/2024 03:56	WG2378137
Calcium	503		0.0936	1.00	1	10/18/2024 03:56	WG2378137
Chromium	U		0.00124	0.00200	1	10/18/2024 03:56	WG2378137
Cobalt	0.00108	J	0.0000596	0.00200	1	10/18/2024 03:56	WG2378137
Iron	0.0374	J	0.0281	0.100	1	10/18/2024 03:56	WG2378137
Iron,Dissolved	0.0340	J	0.0281	0.100	1	10/15/2024 20:49	WG2378104
Lead	U		0.000849	0.00200	1	10/18/2024 03:56	WG2378137
Manganese	0.0748		0.000704	0.00500	1	10/18/2024 03:56	WG2378137
Manganese,Dissolved	0.0749		0.000704	0.00500	1	10/15/2024 20:49	WG2378104
Nickel	0.00436		0.000816	0.00200	1	10/18/2024 03:56	WG2378137
Potassium	0.691	J	0.108	2.00	1	10/18/2024 03:56	WG2378137
Selenium	0.000734	J	0.000300	0.00200	1	10/18/2024 03:56	WG2378137
Sodium	193		0.376	2.00	1	10/18/2024 03:56	WG2378137
Uranium	0.0449		0.0000789	0.00100	1	10/18/2024 03:56	WG2378137
Uranium,Dissolved	0.0469		0.0000789	0.00100	1	10/15/2024 20:49	WG2378104
Vanadium	0.0185		0.000664	0.00500	1	10/18/2024 03:56	WG2378137

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	3990		50.0	1	10/03/2024 14:22	WG2374796

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	283		5.47	10.0	10	10/04/2024 04:00	WG2374349
Fluoride	2.06		0.761	1.50	10	10/04/2024 04:00	WG2374349
Nitrate as (N)	U	Q	0.884	1.00	10	10/04/2024 04:00	WG2374349
Nitrite as (N)	U	Q	7.94	10.0	100	10/04/2024 10:31	WG2374349
Sulfate	2370		63.7	500	100	10/04/2024 10:31	WG2374349

Sample Narrative:

L1784264-45 WG2374349: Dilution due to matrix impact on instrumentation at lower dilution

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron,Dissolved	0.586		0.0200	0.200	1	10/15/2024 10:58	WG2374921

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic,Dissolved	0.00385		0.000180	0.00200	1	10/15/2024 20:53	WG2378104
Calcium	542		0.0936	1.00	1	10/18/2024 03:59	WG2378137
Iron,Dissolved	U		0.0281	0.100	1	10/15/2024 20:53	WG2378104
Manganese,Dissolved	0.179		0.000704	0.00500	1	10/15/2024 20:53	WG2378104
Potassium	1.62	J	0.108	2.00	1	10/18/2024 03:59	WG2378137
Sodium	169		0.376	2.00	1	10/18/2024 03:59	WG2378137
Uranium,Dissolved	0.0628		0.0000789	0.00100	1	10/15/2024 20:53	WG2378104

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	5060		100	1	10/03/2024 14:22	WG2374796

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	692		5.47	10.0	10	10/04/2024 04:13	WG2374349
Fluoride	2.69		0.761	1.50	10	10/04/2024 04:13	WG2374349
Nitrate as (N)	13.4	Q	0.884	1.00	10	10/04/2024 04:13	WG2374349
Nitrite as (N)	U	Q	0.794	1.00	10	10/04/2024 04:13	WG2374349
Sulfate	2360		63.7	500	100	10/04/2024 10:44	WG2374349

Sample Narrative:

L1784264-46 WG2374349: Dilution due to matrix impact on instrumentation at lower dilution

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.0000700	0.000200	1	10/08/2024 10:46	WG2376981

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.427		0.0200	0.200	1	10/14/2024 09:48	WG2378113
Boron,Dissolved	0.423		0.0200	0.200	1	10/15/2024 11:00	WG2374921

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00434		0.000180	0.00200	1	10/18/2024 04:18	WG2378137
Arsenic,Dissolved	0.00463		0.000180	0.00200	1	10/15/2024 20:56	WG2378104
Barium	0.0113		0.000381	0.00200	1	10/18/2024 04:18	WG2378137
Cadmium	U		0.000150	0.00100	1	10/18/2024 04:18	WG2378137
Calcium	668		0.0936	1.00	1	10/18/2024 04:18	WG2378137
Chromium	U		0.00124	0.00200	1	10/18/2024 04:18	WG2378137
Cobalt	0.000477	J	0.0000596	0.00200	1	10/18/2024 04:18	WG2378137
Iron	U		0.0281	0.100	1	10/18/2024 04:18	WG2378137
Iron,Dissolved	U		0.0281	0.100	1	10/15/2024 20:56	WG2378104
Lead	U		0.000849	0.00200	1	10/18/2024 04:18	WG2378137
Manganese	0.0163		0.000704	0.00500	1	10/18/2024 04:18	WG2378137
Manganese,Dissolved	0.0160		0.000704	0.00500	1	10/15/2024 20:56	WG2378104
Nickel	0.00118	J	0.000816	0.00200	1	10/18/2024 04:18	WG2378137
Potassium	1.54	J	0.108	2.00	1	10/18/2024 04:18	WG2378137
Selenium	0.00984		0.000300	0.00200	1	10/18/2024 04:18	WG2378137
Sodium	209		0.376	2.00	1	10/18/2024 04:18	WG2378137
Uranium	0.0384		0.0000789	0.00100	1	10/18/2024 04:18	WG2378137
Uranium,Dissolved	0.0406		0.0000789	0.00100	1	10/15/2024 20:56	WG2378104
Vanadium	0.0156		0.000664	0.00500	1	10/18/2024 04:18	WG2378137

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4020		50.0	1	10/03/2024 14:22	WG2374796

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	326		5.47	10.0	10	10/03/2024 09:59	WG2374352
Fluoride	1.12		0.0761	0.150	1	10/03/2024 04:53	WG2374352
Sulfate	2450		12.7	100	20	10/09/2024 11:21	WG2374352

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00336		0.000180	0.00200	1	10/18/2024 04:21	WG2378137
Barium	0.0101		0.000381	0.00200	1	10/18/2024 04:21	WG2378137
Calcium	526		0.0936	1.00	1	10/18/2024 04:21	WG2378137
Chromium	U		0.00124	0.00200	1	10/18/2024 04:21	WG2378137
Iron	0.0627	J	0.0281	0.100	1	10/18/2024 04:21	WG2378137
Lead	U		0.000849	0.00200	1	10/18/2024 04:21	WG2378137
Manganese	0.0295		0.000704	0.00500	1	10/18/2024 04:21	WG2378137
Potassium	1.16	J	0.108	2.00	1	10/18/2024 04:21	WG2378137
Selenium	0.00189	J	0.000300	0.00200	1	10/18/2024 04:21	WG2378137
Sodium	226		0.376	2.00	1	10/18/2024 04:21	WG2378137

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/09/2024 00:51	WG2378293
(S) a,a,a-Trifluorotoluene(FID)	*99.7*			*78.0-120*		*10/09/2024 00:51*	WG2378293

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 01:24	WG2379215
Benzene	U		0.0000941	0.00100	1	10/10/2024 01:24	WG2379215
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 01:24	WG2379215
Bromoform	U		0.000129	0.00100	1	10/10/2024 01:24	WG2379215
Bromomethane	U		0.000605	0.00500	1	10/10/2024 01:24	WG2379215
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 01:24	WG2379215
sec-Butylbenzene	U		0.000125	0.00100	1	10/10/2024 01:24	WG2379215
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 01:24	WG2379215
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 01:24	WG2379215
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 01:24	WG2379215
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 01:24	WG2379215
Chloroethane	U		0.000192	0.00500	1	10/10/2024 01:24	WG2379215
Chloroform	U		0.000111	0.00500	1	10/10/2024 01:24	WG2379215
Chloromethane	U		0.000960	0.00250	1	10/10/2024 01:24	WG2379215
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 01:24	WG2379215
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 01:24	WG2379215
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 01:24	WG2379215
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 01:24	WG2379215
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 01:24	WG2379215
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 01:24	WG2379215
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 01:24	WG2379215

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 01:24	WG2379215
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 01:24	WG2379215
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 01:24	WG2379215
Isopropylbenzene	U		0.000105	0.00100	1	10/10/2024 01:24	WG2379215
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 01:24	WG2379215
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 01:24	WG2379215
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 01:24	WG2379215
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 01:24	WG2379215
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 01:24	WG2379215
Methyl tert-butyl ether	0.000813	J	0.000101	0.00100	1	10/10/2024 01:24	WG2379215
Naphthalene	U		0.00100	0.00500	1	10/10/2024 01:24	WG2379215
n-Propylbenzene	U		0.0000993	0.00100	1	10/10/2024 01:24	WG2379215
Styrene	U		0.000118	0.00100	1	10/10/2024 01:24	WG2379215
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 01:24	WG2379215
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 01:24	WG2379215
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 01:24	WG2379215
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 01:24	WG2379215
Toluene	U		0.000278	0.00100	1	10/10/2024 01:24	WG2379215
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 01:24	WG2379215
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 01:24	WG2379215
Trichloroethene	U		0.000190	0.00100	1	10/10/2024 01:24	WG2379215
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 01:24	WG2379215
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 01:24	WG2379215
Vinyl chloride	U		0.000234	0.00100	1	10/10/2024 01:24	WG2379215
o-Xylene	U		0.000174	0.00100	1	10/10/2024 01:24	WG2379215
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 01:24	WG2379215
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 01:24	WG2379215
(S) Toluene-d8	*110*			*80.0-120*		*10/10/2024 01:24*	WG2379215
(S) 4-Bromofluorobenzene	*108*			*77.0-126*		*10/10/2024 01:24*	WG2379215
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*10/10/2024 01:24*	WG2379215

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.166	B	0.0247	0.100	1	10/15/2024 22:17	WG2381333
(S) o-Terphenyl	*104*			*52.0-156*		*10/15/2024 22:17*	WG2381333

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4930		100	1	10/03/2024 14:22	WG2374796

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	264		5.47	10.0	10	10/03/2024 10:12	WG2374352
Fluoride	1.09		0.0761	0.150	1	10/03/2024 05:06	WG2374352
Sulfate	2810		12.7	100	20	10/09/2024 11:34	WG2374352

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00399		0.000180	0.00200	1	10/18/2024 04:24	WG2378137
Barium	0.00884		0.000381	0.00200	1	10/18/2024 04:24	WG2378137
Calcium	525		0.0936	1.00	1	10/18/2024 04:24	WG2378137
Chromium	U		0.00124	0.00200	1	10/18/2024 04:24	WG2378137
Iron	U		0.0281	0.100	1	10/18/2024 04:24	WG2378137
Lead	U		0.000849	0.00200	1	10/18/2024 04:24	WG2378137
Manganese	0.000855	J	0.000704	0.00500	1	10/18/2024 04:24	WG2378137
Potassium	1.33	J	0.108	2.00	1	10/18/2024 04:24	WG2378137
Selenium	0.00520		0.000300	0.00200	1	10/18/2024 04:24	WG2378137
Sodium	235		0.376	2.00	1	10/18/2024 04:24	WG2378137

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/09/2024 01:12	WG2378293
(S) a,a,a-Trifluorotoluene(FID)	*99.5*			*78.0-120*		*10/09/2024 01:12*	WG2378293

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 01:45	WG2379215
Benzene	U		0.0000941	0.00100	1	10/10/2024 01:45	WG2379215
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 01:45	WG2379215
Bromoform	U		0.000129	0.00100	1	10/10/2024 01:45	WG2379215
Bromomethane	U		0.000605	0.00500	1	10/10/2024 01:45	WG2379215
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 01:45	WG2379215
sec-Butylbenzene	U		0.000125	0.00100	1	10/10/2024 01:45	WG2379215
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 01:45	WG2379215
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 01:45	WG2379215
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 01:45	WG2379215
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 01:45	WG2379215
Chloroethane	U		0.000192	0.00500	1	10/10/2024 01:45	WG2379215
Chloroform	U		0.000111	0.00500	1	10/10/2024 01:45	WG2379215
Chloromethane	U		0.000960	0.00250	1	10/10/2024 01:45	WG2379215
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 01:45	WG2379215
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 01:45	WG2379215
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 01:45	WG2379215
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 01:45	WG2379215
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 01:45	WG2379215
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 01:45	WG2379215
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 01:45	WG2379215

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 01:45	WG2379215
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 01:45	WG2379215
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 01:45	WG2379215
Isopropylbenzene	U		0.000105	0.00100	1	10/10/2024 01:45	WG2379215
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 01:45	WG2379215
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 01:45	WG2379215
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 01:45	WG2379215
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 01:45	WG2379215
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 01:45	WG2379215
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/10/2024 01:45	WG2379215
Naphthalene	U		0.00100	0.00500	1	10/10/2024 01:45	WG2379215
n-Propylbenzene	U		0.0000993	0.00100	1	10/10/2024 01:45	WG2379215
Styrene	U		0.000118	0.00100	1	10/10/2024 01:45	WG2379215
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 01:45	WG2379215
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 01:45	WG2379215
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 01:45	WG2379215
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 01:45	WG2379215
Toluene	U		0.000278	0.00100	1	10/10/2024 01:45	WG2379215
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 01:45	WG2379215
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 01:45	WG2379215
Trichloroethene	U		0.000190	0.00100	1	10/10/2024 01:45	WG2379215
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 01:45	WG2379215
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 01:45	WG2379215
Vinyl chloride	U		0.000234	0.00100	1	10/10/2024 01:45	WG2379215
o-Xylene	U		0.000174	0.00100	1	10/10/2024 01:45	WG2379215
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 01:45	WG2379215
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 01:45	WG2379215
(S) Toluene-d8	*111*			*80.0-120*		*10/10/2024 01:45*	WG2379215
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*10/10/2024 01:45*	WG2379215
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*10/10/2024 01:45*	WG2379215

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0531	B J	0.0247	0.100	1	10/15/2024 22:37	WG2381333
(S) o-Terphenyl	*100*			*52.0-156*		*10/15/2024 22:37*	WG2381333

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4740		100	1	10/03/2024 14:22	WG2374796

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	367		5.47	10.0	10	10/04/2024 04:27	WG2374349
Fluoride	0.985	J	0.761	1.50	10	10/04/2024 04:27	WG2374349
Nitrate as (N)	14.9	Q	0.884	1.00	10	10/04/2024 04:27	WG2374349
Nitrite as (N)	U	Q	7.94	10.0	100	10/04/2024 10:58	WG2374349
Sulfate	2520		63.7	500	100	10/04/2024 10:58	WG2374349

Sample Narrative:

L1784264-49 WG2374349: Dilution due to matrix impact on instrumentation at lower dilution

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00278		0.000180	0.00200	1	10/18/2024 04:27	WG2378137
Barium	0.00768		0.000381	0.00200	1	10/18/2024 04:27	WG2378137
Calcium	517		0.0936	1.00	1	10/18/2024 04:27	WG2378137
Chromium	U		0.00124	0.00200	1	10/18/2024 04:27	WG2378137
Iron	0.0750	J	0.0281	0.100	1	10/18/2024 04:27	WG2378137
Lead	U		0.000849	0.00200	1	10/18/2024 04:27	WG2378137
Manganese	0.00930		0.000704	0.00500	1	10/18/2024 04:27	WG2378137
Potassium	0.739	J	0.108	2.00	1	10/18/2024 04:27	WG2378137
Selenium	0.0111		0.000300	0.00200	1	10/18/2024 04:27	WG2378137
Sodium	386		0.376	2.00	1	10/18/2024 04:27	WG2378137

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/09/2024 01:34	WG2378293
(S) a,a,a-Trifluorotoluene(FID)	*98.9*			*78.0-120*		*10/09/2024 01:34*	WG2378293

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 02:06	WG2379215
Benzene	U		0.0000941	0.00100	1	10/10/2024 02:06	WG2379215
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 02:06	WG2379215
Bromoform	U		0.000129	0.00100	1	10/10/2024 02:06	WG2379215
Bromomethane	U		0.000605	0.00500	1	10/10/2024 02:06	WG2379215
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 02:06	WG2379215
sec-Butylbenzene	U		0.000125	0.00100	1	10/10/2024 02:06	WG2379215
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 02:06	WG2379215
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 02:06	WG2379215
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 02:06	WG2379215
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 02:06	WG2379215
Chloroethane	U		0.000192	0.00500	1	10/10/2024 02:06	WG2379215
Chloroform	U		0.000111	0.00500	1	10/10/2024 02:06	WG2379215
Chloromethane	U		0.000960	0.00250	1	10/10/2024 02:06	WG2379215
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 02:06	WG2379215
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 02:06	WG2379215

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 02:06	WG2379215
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 02:06	WG2379215
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 02:06	WG2379215
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 02:06	WG2379215
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 02:06	WG2379215
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 02:06	WG2379215
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 02:06	WG2379215
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 02:06	WG2379215
Isopropylbenzene	U		0.000105	0.00100	1	10/10/2024 02:06	WG2379215
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 02:06	WG2379215
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 02:06	WG2379215
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 02:06	WG2379215
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 02:06	WG2379215
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 02:06	WG2379215
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/10/2024 02:06	WG2379215
Naphthalene	U		0.00100	0.00500	1	10/10/2024 02:06	WG2379215
n-Propylbenzene	U		0.0000993	0.00100	1	10/10/2024 02:06	WG2379215
Styrene	U		0.000118	0.00100	1	10/10/2024 02:06	WG2379215
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 02:06	WG2379215
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 02:06	WG2379215
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 02:06	WG2379215
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 02:06	WG2379215
Toluene	U		0.000278	0.00100	1	10/10/2024 02:06	WG2379215
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 02:06	WG2379215
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 02:06	WG2379215
Trichloroethene	U		0.000190	0.00100	1	10/10/2024 02:06	WG2379215
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 02:06	WG2379215
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 02:06	WG2379215
Vinyl chloride	U		0.000234	0.00100	1	10/10/2024 02:06	WG2379215
o-Xylene	U		0.000174	0.00100	1	10/10/2024 02:06	WG2379215
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 02:06	WG2379215
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 02:06	WG2379215
(S) Toluene-d8	*112*			*80.0-120*		*10/10/2024 02:06*	WG2379215
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*10/10/2024 02:06*	WG2379215
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*10/10/2024 02:06*	WG2379215

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	10/15/2024 09:34	WG2381335
(S) o-Terphenyl	*108*			*52.0-156*		*10/15/2024 09:34*	WG2381335

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3950		50.0	1	10/03/2024 15:55	WG2374797

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	350		5.47	10.0	10	10/03/2024 10:25	WG2374352
Fluoride	0.760		0.0761	0.150	1	10/03/2024 05:19	WG2374352
Sulfate	2570		12.7	100	20	10/09/2024 11:48	WG2374352

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00244		0.000180	0.00200	1	10/18/2024 04:30	WG2378137
Barium	0.00996		0.000381	0.00200	1	10/18/2024 04:30	WG2378137
Calcium	566		0.0936	1.00	1	10/18/2024 04:30	WG2378137
Chromium	U		0.00124	0.00200	1	10/18/2024 04:30	WG2378137
Iron	0.204		0.0281	0.100	1	10/18/2024 04:30	WG2378137
Lead	0.00205		0.000849	0.00200	1	10/18/2024 04:30	WG2378137
Manganese	0.0499		0.000704	0.00500	1	10/18/2024 04:30	WG2378137
Potassium	0.680	J	0.108	2.00	1	10/18/2024 04:30	WG2378137
Selenium	0.0109		0.000300	0.00200	1	10/18/2024 04:30	WG2378137
Sodium	350		0.376	2.00	1	10/18/2024 04:30	WG2378137

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/09/2024 01:56	WG2378293
(S) a,a,a-Trifluorotoluene(FID)	*99.0*			*78.0-120*		*10/09/2024 01:56*	WG2378293

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 02:27	WG2379215
Benzene	U		0.0000941	0.00100	1	10/10/2024 02:27	WG2379215
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 02:27	WG2379215
Bromoform	U		0.000129	0.00100	1	10/10/2024 02:27	WG2379215
Bromomethane	U		0.000605	0.00500	1	10/10/2024 02:27	WG2379215
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 02:27	WG2379215
sec-Butylbenzene	U		0.000125	0.00100	1	10/10/2024 02:27	WG2379215
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 02:27	WG2379215
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 02:27	WG2379215
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 02:27	WG2379215
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 02:27	WG2379215
Chloroethane	U		0.000192	0.00500	1	10/10/2024 02:27	WG2379215
Chloroform	U		0.000111	0.00500	1	10/10/2024 02:27	WG2379215
Chloromethane	U		0.000960	0.00250	1	10/10/2024 02:27	WG2379215
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 02:27	WG2379215
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 02:27	WG2379215
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 02:27	WG2379215
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 02:27	WG2379215
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 02:27	WG2379215
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 02:27	WG2379215
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 02:27	WG2379215

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 02:27	WG2379215
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 02:27	WG2379215
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 02:27	WG2379215
Isopropylbenzene	U		0.000105	0.00100	1	10/10/2024 02:27	WG2379215
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 02:27	WG2379215
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 02:27	WG2379215
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 02:27	WG2379215
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 02:27	WG2379215
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 02:27	WG2379215
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/10/2024 02:27	WG2379215
Naphthalene	U		0.00100	0.00500	1	10/10/2024 02:27	WG2379215
n-Propylbenzene	U		0.0000993	0.00100	1	10/10/2024 02:27	WG2379215
Styrene	U		0.000118	0.00100	1	10/10/2024 02:27	WG2379215
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 02:27	WG2379215
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 02:27	WG2379215
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 02:27	WG2379215
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 02:27	WG2379215
Toluene	U		0.000278	0.00100	1	10/10/2024 02:27	WG2379215
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 02:27	WG2379215
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 02:27	WG2379215
Trichloroethene	U		0.000190	0.00100	1	10/10/2024 02:27	WG2379215
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 02:27	WG2379215
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 02:27	WG2379215
Vinyl chloride	U		0.000234	0.00100	1	10/10/2024 02:27	WG2379215
o-Xylene	U		0.000174	0.00100	1	10/10/2024 02:27	WG2379215
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 02:27	WG2379215
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 02:27	WG2379215
(S) Toluene-d8	*112*			*80.0-120*		*10/10/2024 02:27*	WG2379215
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*10/10/2024 02:27*	WG2379215
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*10/10/2024 02:27*	WG2379215

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	10/15/2024 09:54	WG2381335
(S) o-Terphenyl	*112*			*52.0-156*		*10/15/2024 09:54*	WG2381335

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2750		50.0	1	10/07/2024 12:23	WG2376988

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	219		5.47	10.0	10	10/03/2024 10:37	WG2374352
Fluoride	1.41		0.0761	0.150	1	10/03/2024 05:31	WG2374352
Sulfate	1700		12.7	100	20	10/09/2024 12:01	WG2374352

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00237		0.000180	0.00200	1	10/18/2024 04:33	WG2378137
Barium	0.00900		0.000381	0.00200	1	10/18/2024 04:33	WG2378137
Calcium	409		0.0936	1.00	1	10/18/2024 04:33	WG2378137
Chromium	U		0.00124	0.00200	1	10/18/2024 04:33	WG2378137
Iron	U		0.0281	0.100	1	10/18/2024 04:33	WG2378137
Lead	U		0.000849	0.00200	1	10/18/2024 04:33	WG2378137
Manganese	0.00526		0.000704	0.00500	1	10/18/2024 04:33	WG2378137
Potassium	4.56		0.108	2.00	1	10/18/2024 04:33	WG2378137
Selenium	0.00850		0.000300	0.00200	1	10/18/2024 04:33	WG2378137
Sodium	228		0.376	2.00	1	10/18/2024 04:33	WG2378137

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/09/2024 02:17	WG2378293
(S) a,a,a-Trifluorotoluene(FID)	*101*			*78.0-120*		*10/09/2024 02:17*	WG2378293

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 02:48	WG2379215
Benzene	U		0.0000941	0.00100	1	10/10/2024 02:48	WG2379215
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 02:48	WG2379215
Bromoform	U		0.000129	0.00100	1	10/10/2024 02:48	WG2379215
Bromomethane	U		0.000605	0.00500	1	10/10/2024 02:48	WG2379215
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 02:48	WG2379215
sec-Butylbenzene	U		0.000125	0.00100	1	10/10/2024 02:48	WG2379215
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 02:48	WG2379215
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 02:48	WG2379215
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 02:48	WG2379215
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 02:48	WG2379215
Chloroethane	U		0.000192	0.00500	1	10/10/2024 02:48	WG2379215
Chloroform	U		0.000111	0.00500	1	10/10/2024 02:48	WG2379215
Chloromethane	U		0.000960	0.00250	1	10/10/2024 02:48	WG2379215
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 02:48	WG2379215
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 02:48	WG2379215
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 02:48	WG2379215
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 02:48	WG2379215
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 02:48	WG2379215
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 02:48	WG2379215
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 02:48	WG2379215

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 02:48	WG2379215
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 02:48	WG2379215
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 02:48	WG2379215
Isopropylbenzene	U		0.000105	0.00100	1	10/10/2024 02:48	WG2379215
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 02:48	WG2379215
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 02:48	WG2379215
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 02:48	WG2379215
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 02:48	WG2379215
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 02:48	WG2379215
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/10/2024 02:48	WG2379215
Naphthalene	U		0.00100	0.00500	1	10/10/2024 02:48	WG2379215
n-Propylbenzene	U		0.0000993	0.00100	1	10/10/2024 02:48	WG2379215
Styrene	U		0.000118	0.00100	1	10/10/2024 02:48	WG2379215
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 02:48	WG2379215
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 02:48	WG2379215
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 02:48	WG2379215
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 02:48	WG2379215
Toluene	U		0.000278	0.00100	1	10/10/2024 02:48	WG2379215
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 02:48	WG2379215
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 02:48	WG2379215
Trichloroethene	U		0.000190	0.00100	1	10/10/2024 02:48	WG2379215
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 02:48	WG2379215
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 02:48	WG2379215
Vinyl chloride	U		0.000234	0.00100	1	10/10/2024 02:48	WG2379215
o-Xylene	U		0.000174	0.00100	1	10/10/2024 02:48	WG2379215
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 02:48	WG2379215
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 02:48	WG2379215
(S) Toluene-d8	*114*			*80.0-120*		*10/10/2024 02:48*	WG2379215
(S) 4-Bromofluorobenzene	*107*			*77.0-126*		*10/10/2024 02:48*	WG2379215
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*10/10/2024 02:48*	WG2379215

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	10/15/2024 10:14	WG2381335
(S) o-Terphenyl	*115*			*52.0-156*		*10/15/2024 10:14*	WG2381335

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4560		50.0	1	10/03/2024 15:55	WG2374797

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	262		5.47	10.0	10	10/03/2024 19:41	WG2374336
Fluoride	1.67		0.761	1.50	10	10/03/2024 19:41	WG2374336
Sulfate	3500		63.7	500	100	10/03/2024 19:58	WG2374336

Sample Narrative:

L1784264-52 WG2374336: Dilution due to matrix impact on instrumentation at lower dilution

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00396		0.000180	0.00200	1	10/18/2024 04:36	WG2378137
Barium	0.00812		0.000381	0.00200	1	10/18/2024 04:36	WG2378137
Calcium	522		0.0936	1.00	1	10/18/2024 04:36	WG2378137
Chromium	U		0.00124	0.00200	1	10/18/2024 04:36	WG2378137
Iron	U		0.0281	0.100	1	10/18/2024 04:36	WG2378137
Lead	U		0.000849	0.00200	1	10/18/2024 04:36	WG2378137
Manganese	0.000929	J	0.000704	0.00500	1	10/18/2024 04:36	WG2378137
Potassium	1.32	J	0.108	2.00	1	10/18/2024 04:36	WG2378137
Selenium	0.00521		0.000300	0.00200	1	10/18/2024 04:36	WG2378137
Sodium	235		0.376	2.00	1	10/18/2024 04:36	WG2378137

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/09/2024 02:39	WG2378293
(S) a,a,a-Trifluorotoluene(FID)	*99.3*			*78.0-120*		*10/09/2024 02:39*	WG2378293

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 03:09	WG2379215
Benzene	U		0.0000941	0.00100	1	10/10/2024 03:09	WG2379215
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 03:09	WG2379215
Bromoform	U		0.000129	0.00100	1	10/10/2024 03:09	WG2379215
Bromomethane	U		0.000605	0.00500	1	10/10/2024 03:09	WG2379215
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 03:09	WG2379215
sec-Butylbenzene	U		0.000125	0.00100	1	10/10/2024 03:09	WG2379215
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 03:09	WG2379215
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 03:09	WG2379215
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 03:09	WG2379215
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 03:09	WG2379215
Chloroethane	U		0.000192	0.00500	1	10/10/2024 03:09	WG2379215
Chloroform	U		0.000111	0.00500	1	10/10/2024 03:09	WG2379215
Chloromethane	U		0.000960	0.00250	1	10/10/2024 03:09	WG2379215
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 03:09	WG2379215
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 03:09	WG2379215
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 03:09	WG2379215
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 03:09	WG2379215

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 03:09	WG2379215
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 03:09	WG2379215
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 03:09	WG2379215
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 03:09	WG2379215
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 03:09	WG2379215
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 03:09	WG2379215
Isopropylbenzene	U		0.000105	0.00100	1	10/10/2024 03:09	WG2379215
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 03:09	WG2379215
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 03:09	WG2379215
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 03:09	WG2379215
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 03:09	WG2379215
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 03:09	WG2379215
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/10/2024 03:09	WG2379215
Naphthalene	U		0.00100	0.00500	1	10/10/2024 03:09	WG2379215
n-Propylbenzene	U		0.0000993	0.00100	1	10/10/2024 03:09	WG2379215
Styrene	U		0.000118	0.00100	1	10/10/2024 03:09	WG2379215
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 03:09	WG2379215
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 03:09	WG2379215
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 03:09	WG2379215
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 03:09	WG2379215
Toluene	U		0.000278	0.00100	1	10/10/2024 03:09	WG2379215
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 03:09	WG2379215
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 03:09	WG2379215
Trichloroethene	U		0.000190	0.00100	1	10/10/2024 03:09	WG2379215
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 03:09	WG2379215
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 03:09	WG2379215
Vinyl chloride	U		0.000234	0.00100	1	10/10/2024 03:09	WG2379215
o-Xylene	U		0.000174	0.00100	1	10/10/2024 03:09	WG2379215
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 03:09	WG2379215
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 03:09	WG2379215
(S) Toluene-d8	*112*			*80.0-120*		*10/10/2024 03:09*	WG2379215
(S) 4-Bromofluorobenzene	*108*			*77.0-126*		*10/10/2024 03:09*	WG2379215
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*10/10/2024 03:09*	WG2379215

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0446	J	0.0247	0.100	1	10/15/2024 10:35	WG2381335
(S) o-Terphenyl	*116*			*52.0-156*		*10/15/2024 10:35*	WG2381335

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	16.0		10.0	1	10/03/2024 15:55	WG2374797

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1.49		0.547	1.00	1	10/03/2024 20:15	WG2374336
Fluoride	U		0.0761	0.150	1	10/03/2024 20:15	WG2374336
Sulfate	0.778	J P1	0.637	5.00	1	10/03/2024 20:15	WG2374336

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	U		0.000180	0.00200	1	10/18/2024 04:39	WG2378137
Barium	0.00323		0.000381	0.00200	1	10/18/2024 04:39	WG2378137
Calcium	0.963	J	0.0936	1.00	1	10/18/2024 04:39	WG2378137
Chromium	U		0.00124	0.00200	1	10/18/2024 04:39	WG2378137
Iron	U		0.0281	0.100	1	10/18/2024 04:39	WG2378137
Lead	U		0.000849	0.00200	1	10/18/2024 04:39	WG2378137
Manganese	0.00139	J	0.000704	0.00500	1	10/18/2024 04:39	WG2378137
Potassium	0.327	J	0.108	2.00	1	10/18/2024 04:39	WG2378137
Selenium	U		0.000300	0.00200	1	10/18/2024 04:39	WG2378137
Sodium	2.97		0.376	2.00	1	10/18/2024 04:39	WG2378137

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/08/2024 21:14	WG2378293
(S) a,a,a-Trifluorotoluene(FID)	*99.1*			*78.0-120*		*10/08/2024 21:14*	WG2378293

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/09/2024 20:30	WG2379215
Benzene	U		0.0000941	0.00100	1	10/09/2024 20:30	WG2379215
Bromodichloromethane	U		0.000136	0.00100	1	10/09/2024 20:30	WG2379215
Bromoform	U		0.000129	0.00100	1	10/09/2024 20:30	WG2379215
Bromomethane	U		0.000605	0.00500	1	10/09/2024 20:30	WG2379215
n-Butylbenzene	U		0.000157	0.00100	1	10/09/2024 20:30	WG2379215
sec-Butylbenzene	U		0.000125	0.00100	1	10/09/2024 20:30	WG2379215
Carbon disulfide	U		0.0000962	0.00100	1	10/09/2024 20:30	WG2379215
Carbon tetrachloride	U		0.000128	0.00100	1	10/09/2024 20:30	WG2379215
Chlorobenzene	U		0.000116	0.00100	1	10/09/2024 20:30	WG2379215
Chlorodibromomethane	U		0.000140	0.00100	1	10/09/2024 20:30	WG2379215
Chloroethane	U		0.000192	0.00500	1	10/09/2024 20:30	WG2379215
Chloroform	0.00143	J	0.000111	0.00500	1	10/09/2024 20:30	WG2379215
Chloromethane	U		0.000960	0.00250	1	10/09/2024 20:30	WG2379215
1,2-Dibromoethane	U		0.000126	0.00100	1	10/09/2024 20:30	WG2379215
1,1-Dichloroethane	U		0.000100	0.00100	1	10/09/2024 20:30	WG2379215
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/09/2024 20:30	WG2379215
1,1-Dichloroethene	U		0.000188	0.00100	1	10/09/2024 20:30	WG2379215
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/09/2024 20:30	WG2379215
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/09/2024 20:30	WG2379215
1,2-Dichloropropane	U		0.000149	0.00100	1	10/09/2024 20:30	WG2379215

LB-RESI-04
Collected date/time: 10/01/24 08:30
L1784264

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/09/2024 20:30	WG2379215
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/09/2024 20:30	WG2379215
Ethylbenzene	U		0.000137	0.00100	1	10/09/2024 20:30	WG2379215
Isopropylbenzene	U		0.000105	0.00100	1	10/09/2024 20:30	WG2379215
p-Isopropyltoluene	U		0.000120	0.00100	1	10/09/2024 20:30	WG2379215
2-Butanone (MEK)	U		0.00119	0.0100	1	10/09/2024 20:30	WG2379215
2-Hexanone	U		0.000787	0.0100	1	10/09/2024 20:30	WG2379215
Methylene Chloride	U		0.000430	0.00500	1	10/09/2024 20:30	WG2379215
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/09/2024 20:30	WG2379215
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/09/2024 20:30	WG2379215
Naphthalene	U		0.00100	0.00500	1	10/09/2024 20:30	WG2379215
n-Propylbenzene	U		0.0000993	0.00100	1	10/09/2024 20:30	WG2379215
Styrene	U		0.000118	0.00100	1	10/09/2024 20:30	WG2379215
tert-Butyl alcohol	U		0.00406	0.00500	1	10/09/2024 20:30	WG2379215
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/09/2024 20:30	WG2379215
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/09/2024 20:30	WG2379215
Tetrachloroethene	U		0.000300	0.00100	1	10/09/2024 20:30	WG2379215
Toluene	U		0.000278	0.00100	1	10/09/2024 20:30	WG2379215
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/09/2024 20:30	WG2379215
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/09/2024 20:30	WG2379215
Trichloroethene	U		0.000190	0.00100	1	10/09/2024 20:30	WG2379215
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/09/2024 20:30	WG2379215
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/09/2024 20:30	WG2379215
Vinyl chloride	U		0.000234	0.00100	1	10/09/2024 20:30	WG2379215
o-Xylene	U		0.000174	0.00100	1	10/09/2024 20:30	WG2379215
m&p-Xylene	U		0.000430	0.00200	1	10/09/2024 20:30	WG2379215
Xylenes, Total	U		0.000174	0.00300	1	10/09/2024 20:30	WG2379215
(S) Toluene-d8	*113*			*80.0-120*		*10/09/2024 20:30*	WG2379215
(S) 4-Bromofluorobenzene	*108*			*77.0-126*		*10/09/2024 20:30*	WG2379215
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*10/09/2024 20:30*	WG2379215

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	10/15/2024 10:55	WG2381335
(S) o-Terphenyl	*115*			*52.0-156*		*10/15/2024 10:55*	WG2381335

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1570		20.0	1	10/03/2024 15:55	WG2374797

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	29.3		0.547	1.00	1	10/04/2024 04:40	WG2374349
Fluoride	1.39	J3	0.0761	0.150	1	10/10/2024 16:02	WG2379796
Nitrate as (N)	U	J5 Q	0.0884	0.100	1	10/04/2024 04:40	WG2374349
Nitrite as (N)	U	Q	0.0794	0.100	1	10/04/2024 04:40	WG2374349
Sulfate	683		6.37	50.0	10	10/04/2024 11:11	WG2374349

Sample Narrative:

L1784264-54 WG2379796: Duplicate failure due to matrix

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0260		0.000180	0.00200	1	10/18/2024 04:42	WG2378137
Barium	0.185		0.000381	0.00200	1	10/18/2024 04:42	WG2378137
Calcium	290		0.0936	1.00	1	10/18/2024 04:42	WG2378137
Chromium	U		0.00124	0.00200	1	10/18/2024 04:42	WG2378137
Iron	0.125		0.0281	0.100	1	10/18/2024 04:42	WG2378137
Lead	U		0.000849	0.00200	1	10/18/2024 04:42	WG2378137
Manganese	0.719		0.000704	0.00500	1	10/18/2024 04:42	WG2378137
Potassium	1.27	J	0.108	2.00	1	10/18/2024 04:42	WG2378137
Selenium	U		0.000300	0.00200	1	10/18/2024 04:42	WG2378137
Sodium	58.0		0.376	2.00	1	10/18/2024 04:42	WG2378137

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	16.6	Q	0.628	2.00	20	10/16/2024 13:33	WG2382625
(S) a,a,a-Trifluorotoluene(FID)	*95.0*			*78.0-120*		*10/16/2024 13:33*	WG2382625

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 03:30	WG2379215
Benzene	6.99		0.0188	0.200	200	10/11/2024 04:11	WG2379873
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 03:30	WG2379215
Bromoform	U		0.000129	0.00100	1	10/10/2024 03:30	WG2379215
Bromomethane	U		0.000605	0.00500	1	10/10/2024 03:30	WG2379215
n-Butylbenzene	0.000329	J	0.000157	0.00100	1	10/10/2024 03:30	WG2379215
sec-Butylbenzene	0.00310		0.000125	0.00100	1	10/10/2024 03:30	WG2379215
Carbon disulfide	0.00109		0.0000962	0.00100	1	10/10/2024 03:30	WG2379215
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 03:30	WG2379215
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 03:30	WG2379215
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 03:30	WG2379215
Chloroethane	U		0.000192	0.00500	1	10/10/2024 03:30	WG2379215
Chloroform	U		0.000111	0.00500	1	10/10/2024 03:30	WG2379215
Chloromethane	U		0.000960	0.00250	1	10/10/2024 03:30	WG2379215
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 03:30	WG2379215
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 03:30	WG2379215

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 03:30	WG2379215
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 03:30	WG2379215
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 03:30	WG2379215
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 03:30	WG2379215
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 03:30	WG2379215
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 03:30	WG2379215
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 03:30	WG2379215
Ethylbenzene	0.00318		0.000137	0.00100	1	10/10/2024 03:30	WG2379215
Isopropylbenzene	0.0112		0.000105	0.00100	1	10/10/2024 03:30	WG2379215
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 03:30	WG2379215
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 03:30	WG2379215
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 03:30	WG2379215
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 03:30	WG2379215
4-Methyl-2-pentanone (MIBK)	0.00219	J	0.000478	0.0100	1	10/10/2024 03:30	WG2379215
Methyl tert-butyl ether	0.0192		0.000101	0.00100	1	10/10/2024 03:30	WG2379215
Naphthalene	0.00198	J	0.00100	0.00500	1	10/10/2024 03:30	WG2379215
n-Propylbenzene	0.00663		0.0000993	0.00100	1	10/10/2024 03:30	WG2379215
Styrene	U		0.000118	0.00100	1	10/10/2024 03:30	WG2379215
tert-Butyl alcohol	0.0179		0.00406	0.00500	1	10/10/2024 03:30	WG2379215
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 03:30	WG2379215
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 03:30	WG2379215
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 03:30	WG2379215
Toluene	0.00761		0.000278	0.00100	1	10/10/2024 03:30	WG2379215
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 03:30	WG2379215
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 03:30	WG2379215
Trichloroethene	U		0.000190	0.00100	1	10/10/2024 03:30	WG2379215
1,2,4-Trimethylbenzene	0.00449		0.000322	0.00100	1	10/10/2024 03:30	WG2379215
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 03:30	WG2379215
Vinyl chloride	U		0.000234	0.00100	1	10/10/2024 03:30	WG2379215
o-Xylene	0.000387	J	0.000174	0.00100	1	10/10/2024 03:30	WG2379215
m&p-Xylene	0.0264		0.000430	0.00200	1	10/10/2024 03:30	WG2379215
Xylenes, Total	0.0268		0.000174	0.00300	1	10/10/2024 03:30	WG2379215
(S) Toluene-d8	*104*			*80.0-120*		*10/10/2024 03:30*	WG2379215
(S) Toluene-d8	*94.3*			*80.0-120*		*10/11/2024 04:11*	WG2379873
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*10/10/2024 03:30*	WG2379215
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*10/11/2024 04:11*	WG2379873
(S) 1,2-Dichloroethane-d4	*98.9*			*70.0-130*		*10/10/2024 03:30*	WG2379215
(S) 1,2-Dichloroethane-d4	*118*			*70.0-130*		*10/11/2024 04:11*	WG2379873

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	3.54		0.0247	0.100	1	10/15/2024 11:15	WG2381335
(S) o-Terphenyl	*83.7*			*52.0-156*		*10/15/2024 11:15*	WG2381335

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1700		20.0	1	10/03/2024 15:55	WG2374797

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	57.1		2.74	5.00	5	10/04/2024 05:34	WG2374349
Fluoride	10.7		0.380	0.750	5	10/04/2024 05:34	WG2374349
Nitrate as (N)	U	Q	0.442	0.500	5	10/04/2024 05:34	WG2374349
Nitrite as (N)	U	Q	0.397	0.500	5	10/04/2024 05:34	WG2374349
Sulfate	809		3.18	25.0	5	10/04/2024 05:34	WG2374349

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00298		0.000180	0.00200	1	10/18/2024 04:45	WG2378137
Barium	0.188		0.000381	0.00200	1	10/18/2024 04:45	WG2378137
Calcium	353		0.0936	1.00	1	10/18/2024 04:45	WG2378137
Chromium	0.00185	J	0.00124	0.00200	1	10/18/2024 04:45	WG2378137
Iron	0.590		0.0281	0.100	1	10/18/2024 04:45	WG2378137
Lead	0.00107	J	0.000849	0.00200	1	10/18/2024 04:45	WG2378137
Manganese	0.314		0.000704	0.00500	1	10/18/2024 04:45	WG2378137
Potassium	4.86		0.108	2.00	1	10/18/2024 04:45	WG2378137
Selenium	0.00106	J	0.000300	0.00200	1	10/18/2024 04:45	WG2378137
Sodium	48.2		0.376	2.00	1	10/18/2024 04:45	WG2378137

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	7.79		0.157	0.500	5	10/09/2024 03:44	WG2378293
(S) a,a,a-Trifluorotoluene(FID)	*91.8*			*78.0-120*		*10/09/2024 03:44*	WG2378293

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0565	0.250	5	10/10/2024 04:12	WG2379215
Benzene	3.15		0.00941	0.100	100	10/11/2024 04:30	WG2379873
Bromodichloromethane	U		0.000680	0.00500	5	10/10/2024 04:12	WG2379215
Bromoform	U		0.000645	0.00500	5	10/10/2024 04:12	WG2379215
Bromomethane	U		0.00303	0.0250	5	10/10/2024 04:12	WG2379215
n-Butylbenzene	0.00258	J	0.000785	0.00500	5	10/10/2024 04:12	WG2379215
sec-Butylbenzene	0.00902		0.000625	0.00500	5	10/10/2024 04:12	WG2379215
Carbon disulfide	0.00484	J	0.000481	0.00500	5	10/10/2024 04:12	WG2379215
Carbon tetrachloride	U		0.000640	0.00500	5	10/10/2024 04:12	WG2379215
Chlorobenzene	U		0.000580	0.00500	5	10/10/2024 04:12	WG2379215
Chlorodibromomethane	U		0.000700	0.00500	5	10/10/2024 04:12	WG2379215
Chloroethane	U		0.000960	0.0250	5	10/10/2024 04:12	WG2379215
Chloroform	U		0.000555	0.0250	5	10/10/2024 04:12	WG2379215
Chloromethane	U		0.00480	0.0125	5	10/10/2024 04:12	WG2379215
1,2-Dibromoethane	U		0.000630	0.00500	5	10/10/2024 04:12	WG2379215
1,1-Dichloroethane	U		0.000500	0.00500	5	10/10/2024 04:12	WG2379215
1,2-Dichloroethane	U		0.000409	0.00500	5	10/10/2024 04:12	WG2379215
1,1-Dichloroethene	U		0.000940	0.00500	5	10/10/2024 04:12	WG2379215
cis-1,2-Dichloroethene	U		0.000630	0.00500	5	10/10/2024 04:12	WG2379215

MW-109
Collected date/time: 10/01/24 12:30
L1784264

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
trans-1,2-Dichloroethene	U		0.000745	0.00500	5	10/10/2024 04:12	WG2379215
1,2-Dichloropropane	U		0.000745	0.00500	5	10/10/2024 04:12	WG2379215
cis-1,3-Dichloropropene	U		0.000555	0.00500	5	10/10/2024 04:12	WG2379215
trans-1,3-Dichloropropene	U		0.000590	0.00500	5	10/10/2024 04:12	WG2379215
Ethylbenzene	0.0450		0.000685	0.00500	5	10/10/2024 04:12	WG2379215
Isopropylbenzene	0.0305		0.000525	0.00500	5	10/10/2024 04:12	WG2379215
p-Isopropyltoluene	0.00454	J	0.000600	0.00500	5	10/10/2024 04:12	WG2379215
2-Butanone (MEK)	0.0361	J	0.00595	0.0500	5	10/10/2024 04:12	WG2379215
2-Hexanone	U		0.00394	0.0500	5	10/10/2024 04:12	WG2379215
Methylene Chloride	U		0.00215	0.0250	5	10/10/2024 04:12	WG2379215
4-Methyl-2-pentanone (MIBK)	U		0.00239	0.0500	5	10/10/2024 04:12	WG2379215
Methyl tert-butyl ether	0.00613		0.000505	0.00500	5	10/10/2024 04:12	WG2379215
Naphthalene	0.0106	J	0.00500	0.0250	5	10/10/2024 04:12	WG2379215
n-Propylbenzene	0.0342		0.000497	0.00500	5	10/10/2024 04:12	WG2379215
Styrene	U		0.000590	0.00500	5	10/10/2024 04:12	WG2379215
tert-Butyl alcohol	0.0333		0.0203	0.0250	5	10/10/2024 04:12	WG2379215
1,1,1,2-Tetrachloroethane	U		0.000735	0.00500	5	10/10/2024 04:12	WG2379215
1,1,2,2-Tetrachloroethane	U		0.000665	0.00500	5	10/10/2024 04:12	WG2379215
Tetrachloroethene	U		0.00150	0.00500	5	10/10/2024 04:12	WG2379215
Toluene	0.00532		0.00139	0.00500	5	10/10/2024 04:12	WG2379215
1,1,1-Trichloroethane	U		0.000745	0.00500	5	10/10/2024 04:12	WG2379215
1,1,2-Trichloroethane	U		0.000790	0.00500	5	10/10/2024 04:12	WG2379215
Trichloroethene	U		0.000950	0.00500	5	10/10/2024 04:12	WG2379215
1,2,4-Trimethylbenzene	0.0415		0.00161	0.00500	5	10/10/2024 04:12	WG2379215
1,3,5-Trimethylbenzene	0.00548		0.000520	0.00500	5	10/10/2024 04:12	WG2379215
Vinyl chloride	U		0.00117	0.00500	5	10/10/2024 04:12	WG2379215
o-Xylene	0.00247	J	0.000870	0.00500	5	10/10/2024 04:12	WG2379215
m&p-Xylene	0.130		0.00215	0.0100	5	10/10/2024 04:12	WG2379215
Xylenes, Total	0.132		0.000870	0.0150	5	10/10/2024 04:12	WG2379215
(S) Toluene-d8	*108*			*80.0-120*		*10/10/2024 04:12*	WG2379215
(S) Toluene-d8	*95.0*			*80.0-120*		*10/11/2024 04:30*	WG2379873
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*10/10/2024 04:12*	WG2379215
(S) 4-Bromofluorobenzene	*100*			*77.0-126*		*10/11/2024 04:30*	WG2379873
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*10/10/2024 04:12*	WG2379215
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*		*10/11/2024 04:30*	WG2379873

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	4.75		0.0247	0.100	1	10/15/2024 11:36	WG2381335
(S) o-Terphenyl	*82.1*			*52.0-156*		*10/15/2024 11:36*	WG2381335

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2220		50.0	1	10/03/2024 15:55	WG2374797

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	573		5.47	10.0	10	10/04/2024 11:52	WG2374349
Fluoride	0.715		0.0761	0.150	1	10/10/2024 16:55	WG2379796
Nitrate as (N)	U	J5 Q	0.0884	0.100	1	10/04/2024 05:48	WG2374349
Nitrite as (N)	U	Q	0.0794	0.100	1	10/04/2024 05:48	WG2374349
Sulfate	488		6.37	50.0	10	10/04/2024 11:52	WG2374349

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00156	J	0.000180	0.00200	1	10/18/2024 04:58	WG2378137
Barium	0.0453		0.000381	0.00200	1	10/18/2024 04:58	WG2378137
Calcium	285		0.0936	1.00	1	10/18/2024 04:58	WG2378137
Chromium	U		0.00124	0.00200	1	10/18/2024 04:58	WG2378137
Iron	0.0695	J	0.0281	0.100	1	10/18/2024 04:58	WG2378137
Lead	0.00437		0.000849	0.00200	1	10/18/2024 04:58	WG2378137
Manganese	0.0189		0.000704	0.00500	1	10/18/2024 04:58	WG2378137
Potassium	0.579	J	0.108	2.00	1	10/18/2024 04:58	WG2378137
Selenium	U		0.000300	0.00200	1	10/18/2024 04:58	WG2378137
Sodium	318		0.376	2.00	1	10/18/2024 04:58	WG2378137

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	8.34		0.314	1.00	10	10/09/2024 04:05	WG2378293
(S) a,a,a-Trifluorotoluene(FID)	*97.8*			*78.0-120*		*10/09/2024 04:05*	WG2378293

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.113	0.500	10	10/10/2024 04:33	WG2379215
Benzene	0.760		0.000941	0.0100	10	10/10/2024 04:33	WG2379215
Bromodichloromethane	U		0.00136	0.0100	10	10/10/2024 04:33	WG2379215
Bromoform	U		0.00129	0.0100	10	10/10/2024 04:33	WG2379215
Bromomethane	U		0.00605	0.0500	10	10/10/2024 04:33	WG2379215
n-Butylbenzene	0.00451	J	0.00157	0.0100	10	10/10/2024 04:33	WG2379215
sec-Butylbenzene	0.0123		0.00125	0.0100	10	10/10/2024 04:33	WG2379215
Carbon disulfide	0.00779	J	0.000962	0.0100	10	10/10/2024 04:33	WG2379215
Carbon tetrachloride	U		0.00128	0.0100	10	10/10/2024 04:33	WG2379215
Chlorobenzene	U		0.00116	0.0100	10	10/10/2024 04:33	WG2379215
Chlorodibromomethane	U		0.00140	0.0100	10	10/10/2024 04:33	WG2379215
Chloroethane	U		0.00192	0.0500	10	10/10/2024 04:33	WG2379215
Chloroform	U		0.00111	0.0500	10	10/10/2024 04:33	WG2379215
Chloromethane	U		0.00960	0.0250	10	10/10/2024 04:33	WG2379215
1,2-Dibromoethane	U		0.00126	0.0100	10	10/10/2024 04:33	WG2379215
1,1-Dichloroethane	U		0.00100	0.0100	10	10/10/2024 04:33	WG2379215
1,2-Dichloroethane	U		0.000819	0.0100	10	10/10/2024 04:33	WG2379215
1,1-Dichloroethene	U		0.00188	0.0100	10	10/10/2024 04:33	WG2379215
cis-1,2-Dichloroethene	U		0.00126	0.0100	10	10/10/2024 04:33	WG2379215

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
trans-1,2-Dichloroethene	U		0.00149	0.0100	10	10/10/2024 04:33	WG2379215
1,2-Dichloropropane	U		0.00149	0.0100	10	10/10/2024 04:33	WG2379215
cis-1,3-Dichloropropene	U		0.00111	0.0100	10	10/10/2024 04:33	WG2379215
trans-1,3-Dichloropropene	U		0.00118	0.0100	10	10/10/2024 04:33	WG2379215
Ethylbenzene	0.0381		0.00137	0.0100	10	10/10/2024 04:33	WG2379215
Isopropylbenzene	0.0736		0.00105	0.0100	10	10/10/2024 04:33	WG2379215
p-Isopropyltoluene	0.0108		0.00120	0.0100	10	10/10/2024 04:33	WG2379215
2-Butanone (MEK)	U		0.0119	0.100	10	10/10/2024 04:33	WG2379215
2-Hexanone	U		0.00787	0.100	10	10/10/2024 04:33	WG2379215
Methylene Chloride	0.00431	J	0.00430	0.0500	10	10/10/2024 04:33	WG2379215
4-Methyl-2-pentanone (MIBK)	U		0.00478	0.100	10	10/10/2024 04:33	WG2379215
Methyl tert-butyl ether	U		0.00101	0.0100	10	10/10/2024 04:33	WG2379215
Naphthalene	0.207		0.0100	0.0500	10	10/10/2024 04:33	WG2379215
n-Propylbenzene	0.0959		0.000993	0.0100	10	10/10/2024 04:33	WG2379215
Styrene	U		0.00118	0.0100	10	10/10/2024 04:33	WG2379215
tert-Butyl alcohol	U		0.0406	0.0500	10	10/10/2024 04:33	WG2379215
1,1,1,2-Tetrachloroethane	U		0.00147	0.0100	10	10/10/2024 04:33	WG2379215
1,1,2,2-Tetrachloroethane	U		0.00133	0.0100	10	10/10/2024 04:33	WG2379215
Tetrachloroethene	U		0.00300	0.0100	10	10/10/2024 04:33	WG2379215
Toluene	0.138		0.00278	0.0100	10	10/10/2024 04:33	WG2379215
1,1,1-Trichloroethane	U		0.00149	0.0100	10	10/10/2024 04:33	WG2379215
1,1,2-Trichloroethane	U		0.00158	0.0100	10	10/10/2024 04:33	WG2379215
Trichloroethene	U		0.00190	0.0100	10	10/10/2024 04:33	WG2379215
1,2,4-Trimethylbenzene	0.268		0.00322	0.0100	10	10/10/2024 04:33	WG2379215
1,3,5-Trimethylbenzene	0.0469		0.00104	0.0100	10	10/10/2024 04:33	WG2379215
Vinyl chloride	U		0.00234	0.0100	10	10/10/2024 04:33	WG2379215
o-Xylene	0.0109		0.00174	0.0100	10	10/10/2024 04:33	WG2379215
m&p-Xylene	0.604		0.00430	0.0200	10	10/10/2024 04:33	WG2379215
Xylenes, Total	0.615		0.00174	0.0300	10	10/10/2024 04:33	WG2379215
(S) Toluene-d8	*107*			*80.0-120*		*10/10/2024 04:33*	WG2379215
(S) 4-Bromofluorobenzene	*107*			*77.0-126*		*10/10/2024 04:33*	WG2379215
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*10/10/2024 04:33*	WG2379215

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	4.41		0.0247	0.100	1	10/15/2024 11:56	WG2381335
(S) o-Terphenyl	*79.5*			*52.0-156*		*10/15/2024 11:56*	WG2381335

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	0.000679	J	0.0000886	0.00100	1	10/07/2024 17:18	WG2376822
Acenaphthylene	U		0.0000921	0.00100	1	10/07/2024 17:18	WG2376822
Acetophenone	U		0.000208	0.0100	1	10/07/2024 17:18	WG2376822
Anthracene	U		0.0000804	0.00100	1	10/07/2024 17:18	WG2376822
Atrazine	U		0.000255	0.0100	1	10/07/2024 17:18	WG2376822
Benzo(a)anthracene	U		0.000199	0.00100	1	10/07/2024 17:18	WG2376822
Benzaldehyde	U	C6 J4	0.00169	0.0100	1	10/07/2024 17:18	WG2376822
Benzo(b)fluoranthene	U		0.000130	0.00100	1	10/07/2024 17:18	WG2376822
Benzo(k)fluoranthene	U		0.000120	0.00100	1	10/07/2024 17:18	WG2376822
Benzo(g,h,i)perylene	U		0.000121	0.00100	1	10/07/2024 17:18	WG2376822
Benzo(a)pyrene	U		0.0000381	0.000200	1	10/07/2024 17:18	WG2376822
Biphenyl	0.00370	J	0.000790	0.0100	1	10/07/2024 17:18	WG2376822
Bis(2-chlorethoxy)methane	U		0.000116	0.0100	1	10/07/2024 17:18	WG2376822

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Bis(2-chloroethyl)ether	U		0.000137	0.0100	1	10/07/2024 17:18	WG2376822
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100	1	10/07/2024 17:18	WG2376822
4-Bromophenyl-phenylether	U		0.0000877	0.0100	1	10/07/2024 17:18	WG2376822
2-Chloronaphthalene	U		0.0000648	0.00100	1	10/07/2024 17:18	WG2376822
4-Chlorophenyl-phenylether	U		0.0000926	0.0100	1	10/07/2024 17:18	WG2376822
Caprolactam	U		0.000309	0.0100	1	10/07/2024 17:18	WG2376822
Carbazole	0.00125	J	0.000111	0.0100	1	10/07/2024 17:18	WG2376822
Chrysene	U		0.000130	0.00100	1	10/07/2024 17:18	WG2376822
Dibenz(a,h)anthracene	U		0.0000644	0.000200	1	10/07/2024 17:18	WG2376822
Dibenzofuran	0.00322	J	0.0000970	0.0100	1	10/07/2024 17:18	WG2376822
3,3-Dichlorobenzidine	U		0.000212	0.0100	1	10/07/2024 17:18	WG2376822
2,4-Dinitrotoluene	U		0.0000983	0.0100	1	10/07/2024 17:18	WG2376822
2,6-Dinitrotoluene	U		0.000250	0.0100	1	10/07/2024 17:18	WG2376822
Fluoranthene	U		0.000102	0.00100	1	10/07/2024 17:18	WG2376822
Fluorene	0.00209		0.0000844	0.00100	1	10/07/2024 17:18	WG2376822
Hexachlorobenzene	U		0.0000755	0.00100	1	10/07/2024 17:18	WG2376822
Hexachloro-1,3-butadiene	U		0.0000968	0.0100	1	10/07/2024 17:18	WG2376822
Hexachlorocyclopentadiene	U		0.0000598	0.0100	1	10/07/2024 17:18	WG2376822
Hexachloroethane	U		0.000127	0.0100	1	10/07/2024 17:18	WG2376822
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	1	10/07/2024 17:18	WG2376822
Isophorone	U		0.000143	0.0100	1	10/07/2024 17:18	WG2376822
1-Methylnaphthalene	0.0757		0.0000790	0.00100	1	10/07/2024 17:18	WG2376822
2-Methylnaphthalene	0.0388		0.000117	0.00100	1	10/07/2024 17:18	WG2376822
Naphthalene	0.111		0.000159	0.00100	1	10/07/2024 17:18	WG2376822
Nitrobenzene	U		0.000297	0.0100	1	10/07/2024 17:18	WG2376822
n-Nitrosodiphenylamine	U		0.00237	0.0100	1	10/07/2024 17:18	WG2376822
n-Nitrosodi-n-propylamine	U		0.000261	0.0100	1	10/07/2024 17:18	WG2376822
Phenanthrene	0.00126		0.000112	0.00100	1	10/07/2024 17:18	WG2376822
Benzylbutyl phthalate	U		0.000765	0.00300	1	10/07/2024 17:18	WG2376822
Bis(2-ethylhexyl)phthalate	0.0174		0.000895	0.00300	1	10/07/2024 17:18	WG2376822
Di-n-butyl phthalate	U		0.000453	0.00300	1	10/07/2024 17:18	WG2376822
Diethyl phthalate	U		0.000287	0.00300	1	10/07/2024 17:18	WG2376822
Dimethyl phthalate	U		0.000260	0.00300	1	10/07/2024 17:18	WG2376822
Di-n-octyl phthalate	U		0.000932	0.00300	1	10/07/2024 17:18	WG2376822
Pyrene	U		0.000107	0.00100	1	10/07/2024 17:18	WG2376822
1,2,4-Trichlorobenzene	U		0.0000698	0.0100	1	10/07/2024 17:18	WG2376822
4-Chloro-3-methylphenol	U		0.000131	0.0100	1	10/07/2024 17:18	WG2376822
2-Chlorophenol	U		0.000133	0.0100	1	10/07/2024 17:18	WG2376822
2,4-Dichlorophenol	U		0.000102	0.0100	1	10/07/2024 17:18	WG2376822
2,4-Dimethylphenol	U		0.0000636	0.0100	1	10/07/2024 17:18	WG2376822
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100	1	10/07/2024 17:18	WG2376822
2,4-Dinitrophenol	U		0.00593	0.0100	1	10/07/2024 17:18	WG2376822
2-Nitrophenol	U		0.000117	0.0100	1	10/07/2024 17:18	WG2376822
2-Nitroaniline	U		0.000102	0.0100	1	10/07/2024 17:18	WG2376822
2-Methylphenol	U		0.0000929	0.0100	1	10/07/2024 17:18	WG2376822
3&4-Methyl Phenol	U		0.000168	0.0100	1	10/07/2024 17:18	WG2376822
3-Nitroaniline	U		0.0000869	0.0100	1	10/07/2024 17:18	WG2376822
4-Chloroaniline	U		0.000234	0.0100	1	10/07/2024 17:18	WG2376822
4-Nitroaniline	U		0.0000910	0.0100	1	10/07/2024 17:18	WG2376822
4-Nitrophenol	U		0.000143	0.0100	1	10/07/2024 17:18	WG2376822
Pentachlorophenol	U		0.000313	0.0100	1	10/07/2024 17:18	WG2376822
Phenol	U		0.00433	0.0100	1	10/07/2024 17:18	WG2376822
2,4,5-Trichlorophenol	U		0.000109	0.0100	1	10/07/2024 17:18	WG2376822
2,4,6-Trichlorophenol	U		0.000100	0.0100	1	10/07/2024 17:18	WG2376822
(S) 2-Fluorophenol	*32.0*			*10.0-120*		*10/07/2024 17:18*	WG2376822
(S) Phenol-d5	*21.3*			*10.0-120*		*10/07/2024 17:18*	WG2376822

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

MW-01
Collected date/time: 10/01/24 12:05
L1784264

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
(S) Nitrobenzene-d5	*49.4*			*10.0-127*		*10/07/2024 17:18*	WG2376822
(S) 2-Fluorobiphenyl	*50.2*			*10.0-130*		*10/07/2024 17:18*	WG2376822
(S) 2,4,6-Tribromophenol	*62.0*			*10.0-155*		*10/07/2024 17:18*	WG2376822
(S) p-Terphenyl-d14	*58.1*			*10.0-128*		*10/07/2024 17:18*	WG2376822

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1480		20.0	1	10/03/2024 15:55	WG2374797

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	21.3		0.547	1.00	1	10/04/2024 06:28	WG2374349
Fluoride	1.42		0.0761	0.150	1	10/04/2024 06:28	WG2374349
Nitrate as (N)	U	Q	0.0884	0.100	1	10/04/2024 06:28	WG2374349
Nitrite as (N)	U	Q	0.794	1.00	10	10/04/2024 12:26	WG2374349
Sulfate	652		6.37	50.0	10	10/04/2024 12:26	WG2374349

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0285		0.000180	0.00200	1	10/18/2024 05:01	WG2378137
Barium	0.0384		0.000381	0.00200	1	10/18/2024 05:01	WG2378137
Calcium	147		0.0936	1.00	1	10/18/2024 05:01	WG2378137
Chromium	0.143		0.00124	0.00200	1	10/18/2024 05:01	WG2378137
Iron	0.247		0.0281	0.100	1	10/18/2024 05:01	WG2378137
Lead	U		0.000849	0.00200	1	10/18/2024 05:01	WG2378137
Manganese	0.538		0.000704	0.00500	1	10/18/2024 05:01	WG2378137
Potassium	0.490	J	0.108	2.00	1	10/18/2024 05:01	WG2378137
Selenium	U		0.000300	0.00200	1	10/18/2024 05:01	WG2378137
Sodium	155		0.376	2.00	1	10/18/2024 05:01	WG2378137

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.426	Q	0.0314	0.100	1	10/16/2024 13:11	WG2382625
(S) a,a,a-Trifluorotoluene(FID)	*93.4*			*78.0-120*		*10/16/2024 13:11*	WG2382625

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 03:51	WG2379215
Benzene	0.000274	J	0.0000941	0.00100	1	10/11/2024 03:52	WG2379873
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 03:51	WG2379215
Bromoform	U		0.000129	0.00100	1	10/10/2024 03:51	WG2379215
Bromomethane	U		0.000605	0.00500	1	10/10/2024 03:51	WG2379215
n-Butylbenzene	0.000288	J	0.000157	0.00100	1	10/10/2024 03:51	WG2379215
sec-Butylbenzene	0.00868		0.000125	0.00100	1	10/10/2024 03:51	WG2379215
Carbon disulfide	0.000378	J	0.0000962	0.00100	1	10/10/2024 03:51	WG2379215
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 03:51	WG2379215
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 03:51	WG2379215
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 03:51	WG2379215
Chloroethane	U		0.000192	0.00500	1	10/10/2024 03:51	WG2379215
Chloroform	U		0.000111	0.00500	1	10/10/2024 03:51	WG2379215
Chloromethane	U		0.000960	0.00250	1	10/10/2024 03:51	WG2379215
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 03:51	WG2379215
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 03:51	WG2379215
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 03:51	WG2379215
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 03:51	WG2379215
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 03:51	WG2379215

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 03:51	WG2379215
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 03:51	WG2379215
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 03:51	WG2379215
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 03:51	WG2379215
Ethylbenzene	0.000784	J	0.000137	0.00100	1	10/10/2024 03:51	WG2379215
Isopropylbenzene	0.00492		0.000105	0.00100	1	10/10/2024 03:51	WG2379215
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 03:51	WG2379215
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 03:51	WG2379215
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 03:51	WG2379215
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 03:51	WG2379215
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 03:51	WG2379215
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/10/2024 03:51	WG2379215
Naphthalene	0.00135	J	0.00100	0.00500	1	10/10/2024 03:51	WG2379215
n-Propylbenzene	0.00261		0.0000993	0.00100	1	10/10/2024 03:51	WG2379215
Styrene	U		0.000118	0.00100	1	10/10/2024 03:51	WG2379215
tert-Butyl alcohol	0.00669		0.00406	0.00500	1	10/10/2024 03:51	WG2379215
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 03:51	WG2379215
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 03:51	WG2379215
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 03:51	WG2379215
Toluene	U		0.000278	0.00100	1	10/10/2024 03:51	WG2379215
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 03:51	WG2379215
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 03:51	WG2379215
Trichloroethene	U		0.000190	0.00100	1	10/10/2024 03:51	WG2379215
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 03:51	WG2379215
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 03:51	WG2379215
Vinyl chloride	U		0.000234	0.00100	1	10/10/2024 03:51	WG2379215
o-Xylene	U		0.000174	0.00100	1	10/10/2024 03:51	WG2379215
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 03:51	WG2379215
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 03:51	WG2379215
(S) Toluene-d8	*109*			*80.0-120*		*10/10/2024 03:51*	WG2379215
(S) Toluene-d8	*88.9*			*80.0-120*		*10/11/2024 03:52*	WG2379873
(S) 4-Bromofluorobenzene	*99.4*			*77.0-126*		*10/10/2024 03:51*	WG2379215
(S) 4-Bromofluorobenzene	*98.7*			*77.0-126*		*10/11/2024 03:52*	WG2379873
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*10/10/2024 03:51*	WG2379215
(S) 1,2-Dichloroethane-d4	*121*			*70.0-130*		*10/11/2024 03:52*	WG2379873

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	2.20		0.0247	0.100	1	10/15/2024 12:17	WG2381335
(S) o-Terphenyl	*97.9*			*52.0-156*		*10/15/2024 12:17*	WG2381335

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2420		25.0	1	10/03/2024 15:55	WG2374797

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	26.6		2.74	5.00	5	10/04/2024 06:41	WG2374349
Fluoride	5.07		0.380	0.750	5	10/04/2024 06:41	WG2374349
Nitrate as (N)	U	Q	0.442	0.500	5	10/04/2024 06:41	WG2374349
Nitrite as (N)	U	Q	3.97	5.00	50	10/04/2024 12:40	WG2374349
Sulfate	1360		31.8	250	50	10/04/2024 12:40	WG2374349

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.000774	J	0.000180	0.00200	1	10/18/2024 05:04	WG2378137
Barium	0.0162		0.000381	0.00200	1	10/18/2024 05:04	WG2378137
Calcium	508		0.0936	1.00	1	10/18/2024 05:04	WG2378137
Chromium	U		0.00124	0.00200	1	10/18/2024 05:04	WG2378137
Iron	U		0.0281	0.100	1	10/18/2024 05:04	WG2378137
Lead	0.00382		0.000849	0.00200	1	10/18/2024 05:04	WG2378137
Manganese	0.0100		0.000704	0.00500	1	10/18/2024 05:04	WG2378137
Potassium	0.511	J	0.108	2.00	1	10/18/2024 05:04	WG2378137
Selenium	U		0.000300	0.00200	1	10/18/2024 05:04	WG2378137
Sodium	46.2		0.376	2.00	1	10/18/2024 05:04	WG2378137

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	7.97		0.628	2.00	20	10/09/2024 04:58	WG2378295
(S) a,a,a-Trifluorotoluene(FID)	*103*			*78.0-120*		*10/09/2024 04:58*	WG2378295

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.565	2.50	50	10/10/2024 04:54	WG2379215
Benzene	0.237		0.00471	0.0500	50	10/10/2024 04:54	WG2379215
Bromodichloromethane	U		0.00680	0.0500	50	10/10/2024 04:54	WG2379215
Bromoform	U		0.00645	0.0500	50	10/10/2024 04:54	WG2379215
Bromomethane	U		0.0303	0.250	50	10/10/2024 04:54	WG2379215
n-Butylbenzene	U		0.00785	0.0500	50	10/10/2024 04:54	WG2379215
sec-Butylbenzene	0.0186	J	0.00625	0.0500	50	10/10/2024 04:54	WG2379215
Carbon disulfide	U		0.00481	0.0500	50	10/10/2024 04:54	WG2379215
Carbon tetrachloride	U		0.00640	0.0500	50	10/10/2024 04:54	WG2379215
Chlorobenzene	U		0.00580	0.0500	50	10/10/2024 04:54	WG2379215
Chlorodibromomethane	U		0.00700	0.0500	50	10/10/2024 04:54	WG2379215
Chloroethane	U		0.00960	0.250	50	10/10/2024 04:54	WG2379215
Chloroform	U		0.00555	0.250	50	10/10/2024 04:54	WG2379215
Chloromethane	U		0.0480	0.125	50	10/10/2024 04:54	WG2379215
1,2-Dibromoethane	U		0.00630	0.0500	50	10/10/2024 04:54	WG2379215
1,1-Dichloroethane	U		0.00500	0.0500	50	10/10/2024 04:54	WG2379215
1,2-Dichloroethane	U		0.00409	0.0500	50	10/10/2024 04:54	WG2379215
1,1-Dichloroethene	U		0.00940	0.0500	50	10/10/2024 04:54	WG2379215
cis-1,2-Dichloroethene	U		0.00630	0.0500	50	10/10/2024 04:54	WG2379215

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
trans-1,2-Dichloroethene	U		0.00745	0.0500	50	10/10/2024 04:54	WG2379215
1,2-Dichloropropane	U		0.00745	0.0500	50	10/10/2024 04:54	WG2379215
cis-1,3-Dichloropropene	U		0.00555	0.0500	50	10/10/2024 04:54	WG2379215
trans-1,3-Dichloropropene	U		0.00590	0.0500	50	10/10/2024 04:54	WG2379215
Ethylbenzene	0.329		0.00685	0.0500	50	10/10/2024 04:54	WG2379215
Isopropylbenzene	0.0854		0.00525	0.0500	50	10/10/2024 04:54	WG2379215
p-Isopropyltoluene	0.0176	J	0.00600	0.0500	50	10/10/2024 04:54	WG2379215
2-Butanone (MEK)	U		0.0595	0.500	50	10/10/2024 04:54	WG2379215
2-Hexanone	U		0.0394	0.500	50	10/10/2024 04:54	WG2379215
Methylene Chloride	U		0.0215	0.250	50	10/10/2024 04:54	WG2379215
4-Methyl-2-pentanone (MIBK)	U		0.0239	0.500	50	10/10/2024 04:54	WG2379215
Methyl tert-butyl ether	U		0.00505	0.0500	50	10/10/2024 04:54	WG2379215
Naphthalene	0.281		0.0500	0.250	50	10/10/2024 04:54	WG2379215
n-Propylbenzene	0.129		0.00497	0.0500	50	10/10/2024 04:54	WG2379215
Styrene	U		0.00590	0.0500	50	10/10/2024 04:54	WG2379215
tert-Butyl alcohol	U		0.203	0.250	50	10/10/2024 04:54	WG2379215
1,1,1,2-Tetrachloroethane	U		0.00735	0.0500	50	10/10/2024 04:54	WG2379215
1,1,2,2-Tetrachloroethane	U		0.00665	0.0500	50	10/10/2024 04:54	WG2379215
Tetrachloroethene	U		0.0150	0.0500	50	10/10/2024 04:54	WG2379215
Toluene	0.0997		0.0139	0.0500	50	10/10/2024 04:54	WG2379215
1,1,1-Trichloroethane	U		0.00745	0.0500	50	10/10/2024 04:54	WG2379215
1,1,2-Trichloroethane	U		0.00790	0.0500	50	10/10/2024 04:54	WG2379215
Trichloroethene	U		0.00950	0.0500	50	10/10/2024 04:54	WG2379215
1,2,4-Trimethylbenzene	0.480		0.0161	0.0500	50	10/10/2024 04:54	WG2379215
1,3,5-Trimethylbenzene	0.115		0.00520	0.0500	50	10/10/2024 04:54	WG2379215
Vinyl chloride	U		0.0117	0.0500	50	10/10/2024 04:54	WG2379215
o-Xylene	0.0237	J	0.00870	0.0500	50	10/10/2024 04:54	WG2379215
m&p-Xylene	0.874		0.0215	0.100	50	10/10/2024 04:54	WG2379215
Xylenes, Total	0.898		0.00870	0.150	50	10/10/2024 04:54	WG2379215
(S) Toluene-d8	*108*			*80.0-120*		*10/10/2024 04:54*	WG2379215
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*10/10/2024 04:54*	WG2379215
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*10/10/2024 04:54*	WG2379215

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	4.19		0.0247	0.100	1	10/15/2024 12:37	WG2381335
(S) o-Terphenyl	*97.9*			*52.0-156*		*10/15/2024 12:37*	WG2381335

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	1970		25.0	1	10/03/2024 15:55	WG2374797

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	148		0.547	1.00	1	10/04/2024 06:55	WG2374349
Fluoride	1.77		0.0761	0.150	1	10/04/2024 06:55	WG2374349
Nitrate as (N)	3.57	Q	0.0884	0.100	1	10/04/2024 06:55	WG2374349
Nitrite as (N)	U	Q	0.0794	0.100	1	10/04/2024 06:55	WG2374349
Sulfate	1100		6.37	50.0	10	10/04/2024 12:53	WG2374349

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron,Dissolved	0.167	J	0.0200	0.200	1	10/15/2024 11:02	WG2374921

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic,Dissolved	0.00533		0.000180	0.00200	1	10/15/2024 20:59	WG2378104
Calcium	314		0.0936	1.00	1	10/18/2024 05:07	WG2378137
Iron,Dissolved	U		0.0281	0.100	1	10/15/2024 20:59	WG2378104
Manganese,Dissolved	0.145		0.000704	0.00500	1	10/15/2024 20:59	WG2378104
Potassium	1.22	J	0.108	2.00	1	10/18/2024 05:07	WG2378137
Sodium	101		0.376	2.00	1	10/18/2024 05:07	WG2378137
Uranium,Dissolved	0.0101		0.0000789	0.00100	1	10/15/2024 20:59	WG2378104

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1490		25.0	1	10/03/2024 15:55	WG2374797

Wet Chemistry by Method 4500CN E-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Cyanide	U		0.00900	0.0250	5	10/04/2024 11:10	WG2374789

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	216		2.74	5.00	5	10/03/2024 10:50	WG2374352
Fluoride	1.24		0.0761	0.150	1	10/03/2024 05:44	WG2374352
Nitrate as (N)	0.127		0.0884	0.100	1	10/03/2024 05:44	WG2374352
Nitrite as (N)	U		0.0794	0.100	1	10/03/2024 05:44	WG2374352
Sulfate	149		0.637	5.00	1	10/09/2024 12:14	WG2374352

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.0000700	0.000200	1	10/08/2024 10:48	WG2376981

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.739		0.0200	0.200	1	10/14/2024 09:49	WG2378113

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00351		0.000180	0.00200	1	10/18/2024 05:10	WG2378137
Barium	0.0761		0.000381	0.00200	1	10/18/2024 05:10	WG2378137
Cadmium	U		0.000150	0.00100	1	10/18/2024 05:10	WG2378137
Calcium	128		0.0936	1.00	1	10/18/2024 05:10	WG2378137
Chromium	U		0.00124	0.00200	1	10/18/2024 05:10	WG2378137
Cobalt	0.000136	J	0.0000596	0.00200	1	10/18/2024 05:10	WG2378137
Iron	0.142		0.0281	0.100	1	10/18/2024 05:10	WG2378137
Lead	U		0.000849	0.00200	1	10/18/2024 05:10	WG2378137
Manganese	0.148		0.000704	0.00500	1	10/18/2024 05:10	WG2378137
Nickel	0.00909		0.000816	0.00200	1	10/18/2024 05:10	WG2378137
Potassium	1.76	J	0.108	2.00	1	10/18/2024 05:10	WG2378137
Selenium	U		0.000300	0.00200	1	10/18/2024 05:10	WG2378137
Sodium	260		0.376	2.00	1	10/18/2024 05:10	WG2378137
Uranium	U		0.0000789	0.00100	1	10/18/2024 05:10	WG2378137
Vanadium	U		0.000664	0.00500	1	10/18/2024 05:10	WG2378137

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	3.15		0.314	1.00	10	10/09/2024 18:47	WG2378676
(S) a,a,a-Trifluorotoluene(FID)	*101*			*78.0-120*		*10/09/2024 18:47*	WG2378676

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.113	0.500	10	10/11/2024 13:39	WG2379870
Benzene	0.273		0.000941	0.0100	10	10/11/2024 13:39	WG2379870
Bromodichloromethane	U		0.00136	0.0100	10	10/11/2024 13:39	WG2379870
Bromoform	U		0.00129	0.0100	10	10/11/2024 13:39	WG2379870
Bromomethane	U		0.00605	0.0500	10	10/11/2024 13:39	WG2379870
n-Butylbenzene	0.00640	J	0.00157	0.0100	10	10/11/2024 13:39	WG2379870
sec-Butylbenzene	0.00595	J	0.00125	0.0100	10	10/11/2024 13:39	WG2379870
Carbon disulfide	0.00200	J	0.000962	0.0100	10	10/11/2024 13:39	WG2379870
Carbon tetrachloride	U		0.00128	0.0100	10	10/11/2024 13:39	WG2379870
Chlorobenzene	U		0.00116	0.0100	10	10/11/2024 13:39	WG2379870
Chlorodibromomethane	U		0.00140	0.0100	10	10/11/2024 13:39	WG2379870
Chloroethane	U		0.00192	0.0500	10	10/11/2024 13:39	WG2379870
Chloroform	0.0114	J	0.00111	0.0500	10	10/11/2024 13:39	WG2379870
Chloromethane	U		0.00960	0.0250	10	10/11/2024 13:39	WG2379870
1,2-Dibromoethane	U		0.00126	0.0100	10	10/11/2024 13:39	WG2379870
1,1-Dichloroethane	U		0.00100	0.0100	10	10/11/2024 13:39	WG2379870
1,2-Dichloroethane	U		0.000819	0.0100	10	10/11/2024 13:39	WG2379870
1,1-Dichloroethene	U		0.00188	0.0100	10	10/11/2024 13:39	WG2379870
cis-1,2-Dichloroethene	U		0.00126	0.0100	10	10/11/2024 13:39	WG2379870
trans-1,2-Dichloroethene	U		0.00149	0.0100	10	10/11/2024 13:39	WG2379870
1,2-Dichloropropane	U		0.00149	0.0100	10	10/11/2024 13:39	WG2379870
cis-1,3-Dichloropropene	U		0.00111	0.0100	10	10/11/2024 13:39	WG2379870
trans-1,3-Dichloropropene	U		0.00118	0.0100	10	10/11/2024 13:39	WG2379870
Ethylbenzene	0.00901	J	0.00137	0.0100	10	10/11/2024 13:39	WG2379870
Isopropylbenzene	0.0370		0.00105	0.0100	10	10/11/2024 13:39	WG2379870
p-Isopropyltoluene	0.00479	J	0.00120	0.0100	10	10/11/2024 13:39	WG2379870
2-Butanone (MEK)	U		0.0119	0.100	10	10/11/2024 13:39	WG2379870
2-Hexanone	U		0.00787	0.100	10	10/11/2024 13:39	WG2379870
Methylene Chloride	U		0.00430	0.0500	10	10/11/2024 13:39	WG2379870
4-Methyl-2-pentanone (MIBK)	U		0.00478	0.100	10	10/11/2024 13:39	WG2379870
Methyl tert-butyl ether	0.0905		0.00101	0.0100	10	10/11/2024 13:39	WG2379870
Naphthalene	0.0258	J	0.0100	0.0500	10	10/11/2024 13:39	WG2379870
n-Propylbenzene	0.0452		0.000993	0.0100	10	10/11/2024 13:39	WG2379870
Styrene	U		0.00118	0.0100	10	10/11/2024 13:39	WG2379870
tert-Butyl alcohol	U		0.0406	0.0500	10	10/11/2024 13:39	WG2379870
1,1,1,2-Tetrachloroethane	U		0.00147	0.0100	10	10/11/2024 13:39	WG2379870
1,1,2,2-Tetrachloroethane	U		0.00133	0.0100	10	10/11/2024 13:39	WG2379870
Tetrachloroethene	U		0.00300	0.0100	10	10/11/2024 13:39	WG2379870
Toluene	0.00523	J	0.00278	0.0100	10	10/11/2024 13:39	WG2379870
1,1,1-Trichloroethane	U		0.00149	0.0100	10	10/11/2024 13:39	WG2379870
1,1,2-Trichloroethane	U		0.00158	0.0100	10	10/11/2024 13:39	WG2379870
Trichloroethene	U		0.00190	0.0100	10	10/11/2024 13:39	WG2379870
1,2,4-Trimethylbenzene	0.107		0.00322	0.0100	10	10/11/2024 13:39	WG2379870
1,3,5-Trimethylbenzene	0.0175		0.00104	0.0100	10	10/11/2024 13:39	WG2379870
Vinyl chloride	U		0.00234	0.0100	10	10/11/2024 13:39	WG2379870
o-Xylene	U		0.00174	0.0100	10	10/11/2024 13:39	WG2379870
m&p-Xylene	0.117		0.00430	0.0200	10	10/11/2024 13:39	WG2379870
Xylenes, Total	0.117		0.00174	0.0300	10	10/11/2024 13:39	WG2379870
(S) Toluene-d8	*91.9*			*80.0-120*		*10/11/2024 13:39*	WG2379870
(S) 4-Bromofluorobenzene	*100*			*77.0-126*		*10/11/2024 13:39*	WG2379870
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*10/11/2024 13:39*	WG2379870

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	4.03		0.0247	0.100	1	10/15/2024 12:57	WG2381335

MW-45
Collected date/time: 10/01/24 13:10
L1784264

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
(S) o-Terphenyl	*91.6*			*52.0-156*		*10/15/2024 12:57*	WG2381335

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3880		50.0	1	10/03/2024 15:55	WG2374797

Wet Chemistry by Method 4500CN E-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Cyanide	U		0.00180	0.00500	1	10/04/2024 11:11	WG2374789

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	250		5.47	10.0	10	10/03/2024 11:03	WG2374352
Fluoride	1.32		0.0761	0.150	1	10/03/2024 05:57	WG2374352
Nitrate as (N)	U		0.0884	0.100	1	10/03/2024 05:57	WG2374352
Nitrite as (N)	U		0.0794	0.100	1	10/03/2024 05:57	WG2374352
Sulfate	1960		12.7	100	20	10/09/2024 12:28	WG2374352

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.0000700	0.000200	1	10/08/2024 10:51	WG2376981

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.591		0.0200	0.200	1	10/14/2024 09:51	WG2378113

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00776		0.000180	0.00200	1	10/18/2024 12:33	WG2378138
Barium	0.0141		0.000381	0.00200	1	10/18/2024 12:33	WG2378138
Cadmium	U		0.000150	0.00100	1	10/18/2024 12:33	WG2378138
Calcium	471		0.0936	1.00	1	10/18/2024 12:33	WG2378138
Chromium	U		0.00124	0.00200	1	10/18/2024 12:33	WG2378138
Cobalt	0.000127	J	0.0000596	0.00200	1	10/18/2024 12:33	WG2378138
Iron	3.70		0.0281	0.100	1	10/18/2024 12:33	WG2378138
Lead	U		0.000849	0.00200	1	10/18/2024 12:33	WG2378138
Manganese	0.636		0.000704	0.00500	1	10/18/2024 12:33	WG2378138
Nickel	0.00575		0.000816	0.00200	1	10/18/2024 12:33	WG2378138
Potassium	3.75		0.108	2.00	1	10/18/2024 12:33	WG2378138
Selenium	0.000609	J	0.000300	0.00200	1	10/18/2024 12:33	WG2378138
Sodium	332		0.376	2.00	1	10/18/2024 12:33	WG2378138
Uranium	0.000826	J	0.0000789	0.00100	1	10/18/2024 12:33	WG2378138
Vanadium	0.000824	J	0.000664	0.00500	1	10/18/2024 12:33	WG2378138

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 05:06	WG2379284
Benzene	0.00315		0.0000941	0.00100	1	10/10/2024 05:06	WG2379284
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 05:06	WG2379284
Bromoform	U		0.000129	0.00100	1	10/10/2024 05:06	WG2379284
Bromomethane	U		0.000605	0.00500	1	10/10/2024 05:06	WG2379284

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 05:06	WG2379284
sec-Butylbenzene	U		0.000125	0.00100	1	10/10/2024 05:06	WG2379284
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 05:06	WG2379284
Carbon tetrachloride	U	J4	0.000128	0.00100	1	10/10/2024 05:06	WG2379284
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 05:06	WG2379284
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 05:06	WG2379284
Chloroethane	U		0.000192	0.00500	1	10/10/2024 05:06	WG2379284
Chloroform	U		0.000111	0.00500	1	10/10/2024 05:06	WG2379284
Chloromethane	U		0.000960	0.00250	1	10/10/2024 05:06	WG2379284
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 05:06	WG2379284
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 05:06	WG2379284
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 05:06	WG2379284
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 05:06	WG2379284
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 05:06	WG2379284
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 05:06	WG2379284
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 05:06	WG2379284
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 05:06	WG2379284
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 05:06	WG2379284
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 05:06	WG2379284
Isopropylbenzene	U		0.000105	0.00100	1	10/10/2024 05:06	WG2379284
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 05:06	WG2379284
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 05:06	WG2379284
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 05:06	WG2379284
Methylene Chloride	U	J4	0.000430	0.00500	1	10/10/2024 05:06	WG2379284
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 05:06	WG2379284
Methyl tert-butyl ether	0.00388		0.000101	0.00100	1	10/10/2024 05:06	WG2379284
Naphthalene	U		0.00100	0.00500	1	10/10/2024 05:06	WG2379284
n-Propylbenzene	U		0.0000993	0.00100	1	10/10/2024 05:06	WG2379284
Styrene	U		0.000118	0.00100	1	10/10/2024 05:06	WG2379284
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 05:06	WG2379284
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 05:06	WG2379284
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 05:06	WG2379284
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 05:06	WG2379284
Toluene	U		0.000278	0.00100	1	10/10/2024 05:06	WG2379284
1,1,1-Trichloroethane	U	J4	0.000149	0.00100	1	10/10/2024 05:06	WG2379284
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 05:06	WG2379284
Trichloroethene	U		0.000190	0.00100	1	10/10/2024 05:06	WG2379284
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 05:06	WG2379284
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 05:06	WG2379284
Vinyl chloride	U		0.000234	0.00100	1	10/10/2024 05:06	WG2379284
o-Xylene	U		0.000174	0.00100	1	10/10/2024 05:06	WG2379284
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 05:06	WG2379284
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 05:06	WG2379284
(S) Toluene-d8	*95.0*			*80.0-120*		*10/10/2024 05:06*	WG2379284
(S) 4-Bromofluorobenzene	*112*			*77.0-126*		*10/10/2024 05:06*	WG2379284
(S) 1,2-Dichloroethane-d4	*114*			*70.0-130*		*10/10/2024 05:06*	WG2379284

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.841		0.0247	0.100	1	10/15/2024 13:18	WG2381335
(S) o-Terphenyl	*113*			*52.0-156*		*10/15/2024 13:18*	WG2381335

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1440		20.0	1	10/03/2024 15:55	WG2374797

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	21.3		0.547	1.00	1	10/03/2024 06:10	WG2374352
Fluoride	1.44		0.0761	0.150	1	10/03/2024 06:10	WG2374352
Nitrate as (N)	U		0.0884	0.100	1	10/03/2024 06:10	WG2374352
Nitrite as (N)	U		0.0794	0.100	1	10/03/2024 06:10	WG2374352
Sulfate	667		6.37	50.0	10	10/09/2024 12:41	WG2374352

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0327		0.000180	0.00200	1	10/18/2024 12:20	WG2378138
Barium	0.0407		0.000381	0.00200	1	10/18/2024 12:20	WG2378138
Calcium	154		0.0936	1.00	1	10/18/2024 12:20	WG2378138
Chromium	0.113		0.00124	0.00200	1	10/18/2024 12:20	WG2378138
Iron	0.226		0.0281	0.100	1	10/18/2024 12:20	WG2378138
Lead	U		0.000849	0.00200	1	10/18/2024 12:20	WG2378138
Manganese	0.562		0.000704	0.00500	1	10/18/2024 12:20	WG2378138
Potassium	0.520	J	0.108	2.00	1	10/18/2024 12:20	WG2378138
Selenium	U		0.000300	0.00200	1	10/18/2024 12:20	WG2378138
Sodium	166		0.376	2.00	1	10/18/2024 12:20	WG2378138

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.653		0.0314	0.100	1	10/09/2024 13:52	WG2378676
(S) a,a,a-Trifluorotoluene(FID)	*103*			*78.0-120*		*10/09/2024 13:52*	WG2378676

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 05:28	WG2379284
Benzene	0.000284	J	0.0000941	0.00100	1	10/10/2024 05:28	WG2379284
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 05:28	WG2379284
Bromoform	U		0.000129	0.00100	1	10/10/2024 05:28	WG2379284
Bromomethane	U		0.000605	0.00500	1	10/10/2024 05:28	WG2379284
n-Butylbenzene	0.000670	J	0.000157	0.00100	1	10/10/2024 05:28	WG2379284
sec-Butylbenzene	0.00976		0.000125	0.00100	1	10/10/2024 05:28	WG2379284
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 05:28	WG2379284
Carbon tetrachloride	U	J4	0.000128	0.00100	1	10/10/2024 05:28	WG2379284
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 05:28	WG2379284
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 05:28	WG2379284
Chloroethane	U		0.000192	0.00500	1	10/10/2024 05:28	WG2379284
Chloroform	U		0.000111	0.00500	1	10/10/2024 05:28	WG2379284
Chloromethane	U		0.000960	0.00250	1	10/10/2024 05:28	WG2379284
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 05:28	WG2379284
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 05:28	WG2379284
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 05:28	WG2379284
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 05:28	WG2379284
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 05:28	WG2379284

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 05:28	WG2379284
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 05:28	WG2379284
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 05:28	WG2379284
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 05:28	WG2379284
Ethylbenzene	0.000980	J	0.000137	0.00100	1	10/10/2024 05:28	WG2379284
Isopropylbenzene	0.00608		0.000105	0.00100	1	10/10/2024 05:28	WG2379284
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 05:28	WG2379284
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 05:28	WG2379284
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 05:28	WG2379284
Methylene Chloride	U	J4	0.000430	0.00500	1	10/10/2024 05:28	WG2379284
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 05:28	WG2379284
Methyl tert-butyl ether	0.000110	J	0.000101	0.00100	1	10/10/2024 05:28	WG2379284
Naphthalene	0.00167	J	0.00100	0.00500	1	10/10/2024 05:28	WG2379284
n-Propylbenzene	0.00274		0.0000993	0.00100	1	10/10/2024 05:28	WG2379284
Styrene	U		0.000118	0.00100	1	10/10/2024 05:28	WG2379284
tert-Butyl alcohol	0.00799		0.00406	0.00500	1	10/10/2024 05:28	WG2379284
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 05:28	WG2379284
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 05:28	WG2379284
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 05:28	WG2379284
Toluene	U		0.000278	0.00100	1	10/10/2024 05:28	WG2379284
1,1,1-Trichloroethane	U	J4	0.000149	0.00100	1	10/10/2024 05:28	WG2379284
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 05:28	WG2379284
Trichloroethene	U		0.000190	0.00100	1	10/10/2024 05:28	WG2379284
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 05:28	WG2379284
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 05:28	WG2379284
Vinyl chloride	U		0.000234	0.00100	1	10/10/2024 05:28	WG2379284
o-Xylene	U		0.000174	0.00100	1	10/10/2024 05:28	WG2379284
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 05:28	WG2379284
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 05:28	WG2379284
(S) Toluene-d8	*90.6*			*80.0-120*		*10/10/2024 05:28*	WG2379284
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*10/10/2024 05:28*	WG2379284
(S) 1,2-Dichloroethane-d4	*116*			*70.0-130*		*10/10/2024 05:28*	WG2379284

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	2.19		0.0247	0.100	1	10/15/2024 16:12	WG2381335
(S) o-Terphenyl	*122*			*52.0-156*		*10/15/2024 16:12*	WG2381335

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	ND		10.0	1	10/03/2024 15:55	WG2374797

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	U		0.547	1.00	1	10/03/2024 06:22	WG2374352
Fluoride	0.0858	J P1	0.0761	0.150	1	10/03/2024 06:22	WG2374352
Nitrate as (N)	U		0.0884	0.100	1	10/03/2024 06:22	WG2374352
Nitrite as (N)	U		0.0794	0.100	1	10/03/2024 06:22	WG2374352
Sulfate	U		0.637	5.00	1	10/09/2024 12:55	WG2374352

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	U		0.000180	0.00200	1	10/18/2024 12:36	WG2378138
Barium	U		0.000381	0.00200	1	10/18/2024 12:36	WG2378138
Calcium	U		0.0936	1.00	1	10/18/2024 12:36	WG2378138
Chromium	U		0.00124	0.00200	1	10/18/2024 12:36	WG2378138
Iron	U		0.0281	0.100	1	10/18/2024 12:36	WG2378138
Lead	U		0.000849	0.00200	1	10/18/2024 12:36	WG2378138
Manganese	U		0.000704	0.00500	1	10/18/2024 12:36	WG2378138
Potassium	U		0.108	2.00	1	10/18/2024 12:36	WG2378138
Selenium	U		0.000300	0.00200	1	10/18/2024 12:36	WG2378138
Sodium	U		0.376	2.00	1	10/18/2024 12:36	WG2378138

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0531	J	0.0314	0.100	1	10/09/2024 13:07	WG2378676
(S) a,a,a-Trifluorotoluene(FID)	*102*			*78.0-120*		*10/09/2024 13:07*	WG2378676

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 02:34	WG2379284
Benzene	U		0.0000941	0.00100	1	10/10/2024 02:34	WG2379284
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 02:34	WG2379284
Bromoform	U		0.000129	0.00100	1	10/10/2024 02:34	WG2379284
Bromomethane	U		0.000605	0.00500	1	10/10/2024 02:34	WG2379284
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 02:34	WG2379284
sec-Butylbenzene	U		0.000125	0.00100	1	10/10/2024 02:34	WG2379284
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 02:34	WG2379284
Carbon tetrachloride	U	J4	0.000128	0.00100	1	10/10/2024 02:34	WG2379284
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 02:34	WG2379284
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 02:34	WG2379284
Chloroethane	U		0.000192	0.00500	1	10/10/2024 02:34	WG2379284
Chloroform	U		0.000111	0.00500	1	10/10/2024 02:34	WG2379284
Chloromethane	U		0.000960	0.00250	1	10/10/2024 02:34	WG2379284
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 02:34	WG2379284
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 02:34	WG2379284
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 02:34	WG2379284
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 02:34	WG2379284
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 02:34	WG2379284

EB-TEL-01
Collected date/time: 10/01/24 09:50
L1784264

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 02:34	WG2379284
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 02:34	WG2379284
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 02:34	WG2379284
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 02:34	WG2379284
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 02:34	WG2379284
Isopropylbenzene	U		0.000105	0.00100	1	10/10/2024 02:34	WG2379284
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 02:34	WG2379284
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 02:34	WG2379284
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 02:34	WG2379284
Methylene Chloride	U	J4	0.000430	0.00500	1	10/10/2024 02:34	WG2379284
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 02:34	WG2379284
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/10/2024 02:34	WG2379284
Naphthalene	U		0.00100	0.00500	1	10/10/2024 02:34	WG2379284
n-Propylbenzene	U		0.0000993	0.00100	1	10/10/2024 02:34	WG2379284
Styrene	U		0.000118	0.00100	1	10/10/2024 02:34	WG2379284
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 02:34	WG2379284
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 02:34	WG2379284
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 02:34	WG2379284
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 02:34	WG2379284
Toluene	U		0.000278	0.00100	1	10/10/2024 02:34	WG2379284
1,1,1-Trichloroethane	U	J4	0.000149	0.00100	1	10/10/2024 02:34	WG2379284
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 02:34	WG2379284
Trichloroethene	U		0.000190	0.00100	1	10/10/2024 02:34	WG2379284
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 02:34	WG2379284
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 02:34	WG2379284
Vinyl chloride	U		0.000234	0.00100	1	10/10/2024 02:34	WG2379284
o-Xylene	U		0.000174	0.00100	1	10/10/2024 02:34	WG2379284
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 02:34	WG2379284
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 02:34	WG2379284
(S) Toluene-d8	*95.4*			*80.0-120*		*10/10/2024 02:34*	WG2379284
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*10/10/2024 02:34*	WG2379284
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*10/10/2024 02:34*	WG2379284

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	10/15/2024 16:32	WG2381335
(S) o-Terphenyl	*138*			*52.0-156*		*10/15/2024 16:32*	WG2381335

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		0.0113	0.0500	1	10/10/2024 01:06	WG2379284
Benzene	U		0.0000941	0.00100	1	10/10/2024 01:06	WG2379284
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 01:06	WG2379284
Bromoform	U		0.000129	0.00100	1	10/10/2024 01:06	WG2379284
Bromomethane	U		0.000605	0.00500	1	10/10/2024 01:06	WG2379284
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 01:06	WG2379284
sec-Butylbenzene	U		0.000125	0.00100	1	10/10/2024 01:06	WG2379284
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 01:06	WG2379284
Carbon tetrachloride	U	J4	0.000128	0.00100	1	10/10/2024 01:06	WG2379284
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 01:06	WG2379284
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 01:06	WG2379284
Chloroethane	U		0.000192	0.00500	1	10/10/2024 01:06	WG2379284
Chloroform	U		0.000111	0.00500	1	10/10/2024 01:06	WG2379284
Chloromethane	U		0.000960	0.00250	1	10/10/2024 01:06	WG2379284
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 01:06	WG2379284
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 01:06	WG2379284
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 01:06	WG2379284
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 01:06	WG2379284
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 01:06	WG2379284
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 01:06	WG2379284
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 01:06	WG2379284
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 01:06	WG2379284
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 01:06	WG2379284
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 01:06	WG2379284
Isopropylbenzene	U		0.000105	0.00100	1	10/10/2024 01:06	WG2379284
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 01:06	WG2379284
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 01:06	WG2379284
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 01:06	WG2379284
Methylene Chloride	U	J4	0.000430	0.00500	1	10/10/2024 01:06	WG2379284
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 01:06	WG2379284
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/10/2024 01:06	WG2379284
Naphthalene	U		0.00100	0.00500	1	10/10/2024 01:06	WG2379284
n-Propylbenzene	U		0.0000993	0.00100	1	10/10/2024 01:06	WG2379284
Styrene	U		0.000118	0.00100	1	10/10/2024 01:06	WG2379284
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 01:06	WG2379284
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 01:06	WG2379284
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 01:06	WG2379284
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 01:06	WG2379284
Toluene	U		0.000278	0.00100	1	10/10/2024 01:06	WG2379284
1,1,1-Trichloroethane	U	J4	0.000149	0.00100	1	10/10/2024 01:06	WG2379284
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 01:06	WG2379284
Trichloroethene	U		0.000190	0.00100	1	10/10/2024 01:06	WG2379284
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 01:06	WG2379284
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 01:06	WG2379284
Vinyl chloride	U		0.000234	0.00100	1	10/10/2024 01:06	WG2379284
o-Xylene	U		0.000174	0.00100	1	10/10/2024 01:06	WG2379284
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 01:06	WG2379284
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 01:06	WG2379284
(S) Toluene-d8	*94.0*			*80.0-120*		*10/10/2024 01:06*	WG2379284
(S) 4-Bromofluorobenzene	*96.9*			*77.0-126*		*10/10/2024 01:06*	WG2379284
(S) 1,2-Dichloroethane-d4	*118*			*70.0-130*		*10/10/2024 01:06*	WG2379284

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 01:28	WG2379284
Benzene	U		0.0000941	0.00100	1	10/10/2024 01:28	WG2379284
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 01:28	WG2379284
Bromoform	U		0.000129	0.00100	1	10/10/2024 01:28	WG2379284
Bromomethane	U		0.000605	0.00500	1	10/10/2024 01:28	WG2379284
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 01:28	WG2379284
sec-Butylbenzene	U		0.000125	0.00100	1	10/10/2024 01:28	WG2379284
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 01:28	WG2379284
Carbon tetrachloride	U	J4	0.000128	0.00100	1	10/10/2024 01:28	WG2379284
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 01:28	WG2379284
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 01:28	WG2379284
Chloroethane	U		0.000192	0.00500	1	10/10/2024 01:28	WG2379284
Chloroform	U		0.000111	0.00500	1	10/10/2024 01:28	WG2379284
Chloromethane	U		0.000960	0.00250	1	10/10/2024 01:28	WG2379284
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 01:28	WG2379284
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 01:28	WG2379284
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 01:28	WG2379284
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 01:28	WG2379284
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 01:28	WG2379284
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 01:28	WG2379284
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 01:28	WG2379284
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 01:28	WG2379284
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 01:28	WG2379284
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 01:28	WG2379284
Isopropylbenzene	U		0.000105	0.00100	1	10/10/2024 01:28	WG2379284
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 01:28	WG2379284
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 01:28	WG2379284
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 01:28	WG2379284
Methylene Chloride	U	J4	0.000430	0.00500	1	10/10/2024 01:28	WG2379284
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 01:28	WG2379284
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/10/2024 01:28	WG2379284
Naphthalene	U		0.00100	0.00500	1	10/10/2024 01:28	WG2379284
n-Propylbenzene	U		0.0000993	0.00100	1	10/10/2024 01:28	WG2379284
Styrene	U		0.000118	0.00100	1	10/10/2024 01:28	WG2379284
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 01:28	WG2379284
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 01:28	WG2379284
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 01:28	WG2379284
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 01:28	WG2379284
Toluene	U		0.000278	0.00100	1	10/10/2024 01:28	WG2379284
1,1,1-Trichloroethane	U	J4	0.000149	0.00100	1	10/10/2024 01:28	WG2379284
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 01:28	WG2379284
Trichloroethene	U		0.000190	0.00100	1	10/10/2024 01:28	WG2379284
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 01:28	WG2379284
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 01:28	WG2379284
Vinyl chloride	U		0.000234	0.00100	1	10/10/2024 01:28	WG2379284
o-Xylene	U		0.000174	0.00100	1	10/10/2024 01:28	WG2379284
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 01:28	WG2379284
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 01:28	WG2379284
(S) Toluene-d8	*95.6*			*80.0-120*		*10/10/2024 01:28*	WG2379284
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*10/10/2024 01:28*	WG2379284
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*		*10/10/2024 01:28*	WG2379284

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	3170		50.0	1	10/03/2024 15:55	WG2374797

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	151		0.547	1.00	1	10/03/2024 06:35	WG2374352
Fluoride	0.623		0.0761	0.150	1	10/03/2024 06:35	WG2374352
Nitrate as (N)	U		0.0884	0.100	1	10/03/2024 06:35	WG2374352
Nitrite as (N)	U		0.0794	0.100	1	10/03/2024 06:35	WG2374352
Sulfate	1540		12.7	100	20	10/09/2024 13:48	WG2374352

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.00766		0.000180	0.00200	1	10/18/2024 12:39	WG2378138
Barium	0.0309		0.000381	0.00200	1	10/18/2024 12:39	WG2378138
Calcium	343		0.0936	1.00	1	10/18/2024 12:39	WG2378138
Chromium	U		0.00124	0.00200	1	10/18/2024 12:39	WG2378138
Iron	0.269		0.0281	0.100	1	10/18/2024 12:39	WG2378138
Lead	U		0.000849	0.00200	1	10/18/2024 12:39	WG2378138
Manganese	1.49		0.000704	0.00500	1	10/18/2024 12:39	WG2378138
Potassium	0.407	J	0.108	2.00	1	10/18/2024 12:39	WG2378138
Selenium	U		0.000300	0.00200	1	10/18/2024 12:39	WG2378138
Sodium	283		0.376	2.00	1	10/18/2024 12:39	WG2378138

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	0.314		0.0314	0.100	1	10/09/2024 14:15	WG2378676
(S) a,a,a-Trifluorotoluene(FID)	*102*			*78.0-120*		*10/09/2024 14:15*	WG2378676

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		0.0113	0.0500	1	10/10/2024 05:50	WG2379284
Benzene	U		0.0000941	0.00100	1	10/10/2024 05:50	WG2379284
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 05:50	WG2379284
Bromoform	U		0.000129	0.00100	1	10/10/2024 05:50	WG2379284
Bromomethane	U		0.000605	0.00500	1	10/10/2024 05:50	WG2379284
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 05:50	WG2379284
sec-Butylbenzene	0.000994	J	0.000125	0.00100	1	10/10/2024 05:50	WG2379284
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 05:50	WG2379284
Carbon tetrachloride	U	J4	0.000128	0.00100	1	10/10/2024 05:50	WG2379284
Chlorobenzene	0.000536	J	0.000116	0.00100	1	10/10/2024 05:50	WG2379284
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 05:50	WG2379284
Chloroethane	U		0.000192	0.00500	1	10/10/2024 05:50	WG2379284
Chloroform	U		0.000111	0.00500	1	10/10/2024 05:50	WG2379284
Chloromethane	U		0.000960	0.00250	1	10/10/2024 05:50	WG2379284
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 05:50	WG2379284
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 05:50	WG2379284
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 05:50	WG2379284
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 05:50	WG2379284
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 05:50	WG2379284

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 05:50	WG2379284
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 05:50	WG2379284
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 05:50	WG2379284
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 05:50	WG2379284
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 05:50	WG2379284
Isopropylbenzene	0.00126		0.000105	0.00100	1	10/10/2024 05:50	WG2379284
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 05:50	WG2379284
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 05:50	WG2379284
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 05:50	WG2379284
Methylene Chloride	U	J4	0.000430	0.00500	1	10/10/2024 05:50	WG2379284
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 05:50	WG2379284
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/10/2024 05:50	WG2379284
Naphthalene	U		0.00100	0.00500	1	10/10/2024 05:50	WG2379284
n-Propylbenzene	U		0.0000993	0.00100	1	10/10/2024 05:50	WG2379284
Styrene	U		0.000118	0.00100	1	10/10/2024 05:50	WG2379284
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 05:50	WG2379284
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 05:50	WG2379284
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 05:50	WG2379284
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 05:50	WG2379284
Toluene	U		0.000278	0.00100	1	10/10/2024 05:50	WG2379284
1,1,1-Trichloroethane	U	J4	0.000149	0.00100	1	10/10/2024 05:50	WG2379284
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 05:50	WG2379284
Trichloroethene	U		0.000190	0.00100	1	10/10/2024 05:50	WG2379284
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 05:50	WG2379284
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 05:50	WG2379284
Vinyl chloride	U		0.000234	0.00100	1	10/10/2024 05:50	WG2379284
o-Xylene	U		0.000174	0.00100	1	10/10/2024 05:50	WG2379284
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 05:50	WG2379284
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 05:50	WG2379284
(S) Toluene-d8	*86.8*			*80.0-120*		*10/10/2024 05:50*	WG2379284
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*10/10/2024 05:50*	WG2379284
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*10/10/2024 05:50*	WG2379284

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1.20		0.0247	0.100	1	10/15/2024 16:53	WG2381335
(S) o-Terphenyl	*137*			*52.0-156*		*10/15/2024 16:53*	WG2381335

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4740		50.0	1	10/03/2024 15:55	WG2374797

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	185		0.547	1.00	1	10/03/2024 06:48	WG2374352
Fluoride	2.30		0.0761	0.150	1	10/03/2024 06:48	WG2374352
Nitrate as (N)	0.751		0.0884	0.100	1	10/03/2024 06:48	WG2374352
Nitrite as (N)	0.257		0.0794	0.100	1	10/03/2024 06:48	WG2374352
Sulfate	2670		12.7	100	20	10/09/2024 14:02	WG2374352

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00490		0.000180	0.00200	1	10/18/2024 12:42	WG2378138
Barium	0.0158		0.000381	0.00200	1	10/18/2024 12:42	WG2378138
Calcium	433		0.0936	1.00	1	10/18/2024 12:42	WG2378138
Chromium	U		0.00124	0.00200	1	10/18/2024 12:42	WG2378138
Iron	0.135		0.0281	0.100	1	10/18/2024 12:42	WG2378138
Lead	U		0.000849	0.00200	1	10/18/2024 12:42	WG2378138
Manganese	0.426		0.000704	0.00500	1	10/18/2024 12:42	WG2378138
Potassium	2.79		0.108	2.00	1	10/18/2024 12:42	WG2378138
Selenium	0.00926		0.000300	0.00200	1	10/18/2024 12:42	WG2378138
Sodium	367		0.376	2.00	1	10/18/2024 12:42	WG2378138

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 06:12	WG2379284
Benzene	U		0.0000941	0.00100	1	10/10/2024 06:12	WG2379284
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 06:12	WG2379284
Bromoform	U		0.000129	0.00100	1	10/10/2024 06:12	WG2379284
Bromomethane	U		0.000605	0.00500	1	10/10/2024 06:12	WG2379284
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 06:12	WG2379284
sec-Butylbenzene	U		0.000125	0.00100	1	10/10/2024 06:12	WG2379284
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 06:12	WG2379284
Carbon tetrachloride	U	J4	0.000128	0.00100	1	10/10/2024 06:12	WG2379284
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 06:12	WG2379284
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 06:12	WG2379284
Chloroethane	U		0.000192	0.00500	1	10/10/2024 06:12	WG2379284
Chloroform	U		0.000111	0.00500	1	10/10/2024 06:12	WG2379284
Chloromethane	U		0.000960	0.00250	1	10/10/2024 06:12	WG2379284
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 06:12	WG2379284
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 06:12	WG2379284
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 06:12	WG2379284
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 06:12	WG2379284
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 06:12	WG2379284
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 06:12	WG2379284
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 06:12	WG2379284
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 06:12	WG2379284
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 06:12	WG2379284
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 06:12	WG2379284
Isopropylbenzene	U		0.000105	0.00100	1	10/10/2024 06:12	WG2379284
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 06:12	WG2379284

MW-30
Collected date/time: 10/01/24 12:55
L1784264

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 06:12	WG2379284
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 06:12	WG2379284
Methylene Chloride	U	J4	0.000430	0.00500	1	10/10/2024 06:12	WG2379284
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 06:12	WG2379284
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/10/2024 06:12	WG2379284
Naphthalene	U		0.00100	0.00500	1	10/10/2024 06:12	WG2379284
n-Propylbenzene	U		0.0000993	0.00100	1	10/10/2024 06:12	WG2379284
Styrene	U		0.000118	0.00100	1	10/10/2024 06:12	WG2379284
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 06:12	WG2379284
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 06:12	WG2379284
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 06:12	WG2379284
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 06:12	WG2379284
Toluene	U		0.000278	0.00100	1	10/10/2024 06:12	WG2379284
1,1,1-Trichloroethane	U	J4	0.000149	0.00100	1	10/10/2024 06:12	WG2379284
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 06:12	WG2379284
Trichloroethene	U		0.000190	0.00100	1	10/10/2024 06:12	WG2379284
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 06:12	WG2379284
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 06:12	WG2379284
Vinyl chloride	U		0.000234	0.00100	1	10/10/2024 06:12	WG2379284
o-Xylene	U		0.000174	0.00100	1	10/10/2024 06:12	WG2379284
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 06:12	WG2379284
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 06:12	WG2379284
(S) Toluene-d8	*95.4*			*80.0-120*		*10/10/2024 06:12*	WG2379284
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*10/10/2024 06:12*	WG2379284
(S) 1,2-Dichloroethane-d4	*117*			*70.0-130*		*10/10/2024 06:12*	WG2379284

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.323		0.0247	0.100	1	10/15/2024 17:13	WG2381335
(S) o-Terphenyl	*122*			*52.0-156*		*10/15/2024 17:13*	WG2381335

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3670		50.0	1	10/03/2024 15:55	WG2374797

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	303		5.47	10.0	10	10/03/2024 12:32	WG2374352
Fluoride	1.18		0.0761	0.150	1	10/03/2024 07:26	WG2374352
Nitrate as (N)	0.535		0.0884	0.100	1	10/03/2024 07:26	WG2374352
Nitrite as (N)	U		0.0794	0.100	1	10/03/2024 07:26	WG2374352
Sulfate	1700		12.7	100	20	10/09/2024 14:42	WG2374352

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00838		0.000180	0.00200	1	10/18/2024 12:52	WG2378138
Barium	0.0182		0.000381	0.00200	1	10/18/2024 12:52	WG2378138
Calcium	421		0.0936	1.00	1	10/18/2024 12:52	WG2378138
Chromium	U		0.00124	0.00200	1	10/18/2024 12:52	WG2378138
Iron	0.120		0.0281	0.100	1	10/18/2024 12:52	WG2378138
Lead	U		0.000849	0.00200	1	10/18/2024 12:52	WG2378138
Manganese	0.244		0.000704	0.00500	1	10/18/2024 12:52	WG2378138
Potassium	1.07	J	0.108	2.00	1	10/18/2024 12:52	WG2378138
Selenium	0.00158	J	0.000300	0.00200	1	10/18/2024 12:52	WG2378138
Sodium	210		0.376	2.00	1	10/18/2024 12:52	WG2378138

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.552		0.0314	0.100	1	10/09/2024 14:37	WG2378676
(S) a,a,a-Trifluorotoluene(FID)	*100*			*78.0-120*		*10/09/2024 14:37*	WG2378676

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 05:09	WG2379320
Benzene	U		0.0000941	0.00100	1	10/10/2024 05:09	WG2379320
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 05:09	WG2379320
Bromoform	U		0.000129	0.00100	1	10/10/2024 05:09	WG2379320
Bromomethane	U	C4	0.000605	0.00500	1	10/10/2024 05:09	WG2379320
Bromomethane	U	Q	0.000605	0.00500	1	10/16/2024 22:43	WG2383296
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 05:09	WG2379320
sec-Butylbenzene	0.0102		0.000125	0.00100	1	10/10/2024 05:09	WG2379320
Carbon disulfide	0.000474	J	0.0000962	0.00100	1	10/10/2024 05:09	WG2379320
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 05:09	WG2379320
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 05:09	WG2379320
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 05:09	WG2379320
Chloroethane	U	C4	0.000192	0.00500	1	10/10/2024 05:09	WG2379320
Chloroethane	U	Q	0.000192	0.00500	1	10/16/2024 22:43	WG2383296
Chloroform	U		0.000111	0.00500	1	10/10/2024 05:09	WG2379320
Chloromethane	U	C4	0.000960	0.00250	1	10/10/2024 05:09	WG2379320
Chloromethane	U	Q	0.000960	0.00250	1	10/16/2024 22:43	WG2383296
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 05:09	WG2379320
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 05:09	WG2379320

MW-30
Collected date/time: 10/01/24 12:15
L1784264

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 05:09	WG2379320
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 05:09	WG2379320
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 05:09	WG2379320
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 05:09	WG2379320
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 05:09	WG2379320
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 05:09	WG2379320
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 05:09	WG2379320
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 05:09	WG2379320
Isopropylbenzene	0.0584		0.000105	0.00100	1	10/10/2024 05:09	WG2379320
Isopropylbenzene	0.0425	Q	0.000105	0.00100	1	10/16/2024 22:43	WG2383296
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 05:09	WG2379320
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 05:09	WG2379320
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 05:09	WG2379320
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 05:09	WG2379320
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 05:09	WG2379320
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/10/2024 05:09	WG2379320
Naphthalene	U		0.00100	0.00500	1	10/10/2024 05:09	WG2379320
n-Propylbenzene	0.00412		0.0000993	0.00100	1	10/10/2024 05:09	WG2379320
Styrene	U		0.000118	0.00100	1	10/10/2024 05:09	WG2379320
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 05:09	WG2379320
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 05:09	WG2379320
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 05:09	WG2379320
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 05:09	WG2379320
Toluene	U		0.000278	0.00100	1	10/10/2024 05:09	WG2379320
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 05:09	WG2379320
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 05:09	WG2379320
Trichloroethene	U		0.000190	0.00100	1	10/10/2024 05:09	WG2379320
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 05:09	WG2379320
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 05:09	WG2379320
Vinyl chloride	U	C4	0.000234	0.00100	1	10/10/2024 05:09	WG2379320
Vinyl chloride	U	Q	0.000234	0.00100	1	10/16/2024 22:43	WG2383296
o-Xylene	U		0.000174	0.00100	1	10/10/2024 05:09	WG2379320
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 05:09	WG2379320
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 05:09	WG2379320
(S) Toluene-d8	*129*	J1		*80.0-120*		*10/10/2024 05:09*	WG2379320
(S) Toluene-d8	*107*			*80.0-120*		*10/16/2024 22:43*	WG2383296
(S) 4-Bromofluorobenzene	*112*			*77.0-126*		*10/10/2024 05:09*	WG2379320
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*10/16/2024 22:43*	WG2383296
(S) 1,2-Dichloroethane-d4	*98.9*			*70.0-130*		*10/10/2024 05:09*	WG2379320
(S) 1,2-Dichloroethane-d4	*90.2*			*70.0-130*		*10/16/2024 22:43*	WG2383296

Sample Narrative:

L1784264-68 WG2379320: Reporting Isopropylbenzene from OOH due to high surrogate recovery.

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	3.35		0.0247	0.100	1	10/15/2024 21:13	WG2381335
(S) o-Terphenyl	*202*	J1		*52.0-156*		*10/15/2024 21:13*	WG2381335

Sample Narrative:

L1784264-68 WG2381335: Surrogate failure due to matrix interference

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1810		25.0	1	10/03/2024 15:55	WG2374797

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	201		5.47	10.0	10	10/03/2024 13:10	WG2374352
Fluoride	1.03		0.0761	0.150	1	10/03/2024 07:39	WG2374352
Nitrate as (N)	U		0.0884	0.100	1	10/03/2024 07:39	WG2374352
Nitrite as (N)	U		0.0794	0.100	1	10/03/2024 07:39	WG2374352
Sulfate	467		6.37	50.0	10	10/09/2024 14:58	WG2374352

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00150	J	0.000180	0.00200	1	10/18/2024 12:58	WG2378138
Barium	0.112		0.000381	0.00200	1	10/18/2024 12:58	WG2378138
Calcium	232		0.0936	1.00	1	10/18/2024 12:58	WG2378138
Chromium	U		0.00124	0.00200	1	10/18/2024 12:58	WG2378138
Iron	0.0793	J	0.0281	0.100	1	10/18/2024 12:58	WG2378138
Lead	U		0.000849	0.00200	1	10/18/2024 12:58	WG2378138
Manganese	0.0119		0.000704	0.00500	1	10/18/2024 12:58	WG2378138
Potassium	1.12	J	0.108	2.00	1	10/18/2024 12:58	WG2378138
Selenium	U		0.000300	0.00200	1	10/18/2024 12:58	WG2378138
Sodium	203		0.376	2.00	1	10/18/2024 12:58	WG2378138

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	32.6		0.314	1.00	10	10/09/2024 19:10	WG2378676
(S) a,a,a-Trifluorotoluene(FID)	*101*			*78.0-120*		*10/09/2024 19:10*	WG2378676

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1000	10/10/2024 12:24	WG2379451
Benzene	U		0.0941	1.00	1000	10/10/2024 12:24	WG2379451
Bromodichloromethane	U		0.136	1.00	1000	10/10/2024 12:24	WG2379451
Bromoform	U		0.129	1.00	1000	10/10/2024 12:24	WG2379451
Bromomethane	U		0.605	5.00	1000	10/10/2024 12:24	WG2379451
n-Butylbenzene	U		0.157	1.00	1000	10/10/2024 12:24	WG2379451
sec-Butylbenzene	U		0.125	1.00	1000	10/10/2024 12:24	WG2379451
Carbon disulfide	U		0.0962	1.00	1000	10/10/2024 12:24	WG2379451
Carbon tetrachloride	U		0.128	1.00	1000	10/10/2024 12:24	WG2379451
Chlorobenzene	U		0.116	1.00	1000	10/10/2024 12:24	WG2379451
Chlorodibromomethane	U		0.140	1.00	1000	10/10/2024 12:24	WG2379451
Chloroethane	U		0.192	5.00	1000	10/10/2024 12:24	WG2379451
Chloroform	U		0.111	5.00	1000	10/10/2024 12:24	WG2379451
Chloromethane	U		0.960	2.50	1000	10/10/2024 12:24	WG2379451
1,2-Dibromoethane	U		0.126	1.00	1000	10/10/2024 12:24	WG2379451
1,1-Dichloroethane	U		0.100	1.00	1000	10/10/2024 12:24	WG2379451
1,2-Dichloroethane	U		0.0819	1.00	1000	10/10/2024 12:24	WG2379451
1,1-Dichloroethene	U		0.188	1.00	1000	10/10/2024 12:24	WG2379451
cis-1,2-Dichloroethene	U		0.126	1.00	1000	10/10/2024 12:24	WG2379451

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
trans-1,2-Dichloroethene	U		0.149	1.00	1000	10/10/2024 12:24	WG2379451
1,2-Dichloropropane	U		0.149	1.00	1000	10/10/2024 12:24	WG2379451
cis-1,3-Dichloropropene	U		0.111	1.00	1000	10/10/2024 12:24	WG2379451
trans-1,3-Dichloropropene	U		0.118	1.00	1000	10/10/2024 12:24	WG2379451
Ethylbenzene	U		0.137	1.00	1000	10/10/2024 12:24	WG2379451
Isopropylbenzene	U		0.105	1.00	1000	10/10/2024 12:24	WG2379451
p-Isopropyltoluene	U		0.120	1.00	1000	10/10/2024 12:24	WG2379451
2-Butanone (MEK)	U		1.19	10.0	1000	10/10/2024 12:24	WG2379451
2-Hexanone	U		0.787	10.0	1000	10/10/2024 12:24	WG2379451
Methylene Chloride	U		0.430	5.00	1000	10/10/2024 12:24	WG2379451
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1000	10/10/2024 12:24	WG2379451
Methyl tert-butyl ether	24.0		0.101	1.00	1000	10/10/2024 12:24	WG2379451
Naphthalene	U	J4	1.00	5.00	1000	10/10/2024 12:24	WG2379451
n-Propylbenzene	U		0.0993	1.00	1000	10/10/2024 12:24	WG2379451
Styrene	U	J4	0.118	1.00	1000	10/10/2024 12:24	WG2379451
tert-Butyl alcohol	U		4.06	5.00	1000	10/10/2024 12:24	WG2379451
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1000	10/10/2024 12:24	WG2379451
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1000	10/10/2024 12:24	WG2379451
Tetrachloroethene	U		0.300	1.00	1000	10/10/2024 12:24	WG2379451
Toluene	U		0.278	1.00	1000	10/10/2024 12:24	WG2379451
1,1,1-Trichloroethane	U		0.149	1.00	1000	10/10/2024 12:24	WG2379451
1,1,2-Trichloroethane	U		0.158	1.00	1000	10/10/2024 12:24	WG2379451
Trichloroethene	U		0.190	1.00	1000	10/10/2024 12:24	WG2379451
1,2,4-Trimethylbenzene	U		0.322	1.00	1000	10/10/2024 12:24	WG2379451
1,3,5-Trimethylbenzene	U		0.104	1.00	1000	10/10/2024 12:24	WG2379451
Vinyl chloride	U		0.234	1.00	1000	10/10/2024 12:24	WG2379451
o-Xylene	U		0.174	1.00	1000	10/10/2024 12:24	WG2379451
m&p-Xylene	U		0.430	2.00	1000	10/10/2024 12:24	WG2379451
Xylenes, Total	U		0.174	3.00	1000	10/10/2024 12:24	WG2379451
(S) Toluene-d8	*110*			*80.0-120*		*10/10/2024 12:24*	WG2379451
(S) 4-Bromofluorobenzene	*87.9*			*77.0-126*		*10/10/2024 12:24*	WG2379451
(S) 1,2-Dichloroethane-d4	*87.0*			*70.0-130*		*10/10/2024 12:24*	WG2379451

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	6.87		0.0247	0.100	1	10/15/2024 21:46	WG2381335
(S) o-Terphenyl	*129*			*52.0-156*		*10/15/2024 21:46*	WG2381335

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3190		50.0	1	10/03/2024 15:55	WG2374797

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	618		5.47	10.0	10	10/03/2024 13:23	WG2374352
Fluoride	2.07		0.0761	0.150	1	10/03/2024 07:52	WG2374352
Nitrate as (N)	U		0.0884	0.100	1	10/03/2024 07:52	WG2374352
Nitrite as (N)	U		0.0794	0.100	1	10/03/2024 07:52	WG2374352
Sulfate	1230		6.37	50.0	10	10/09/2024 15:12	WG2374352

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00593		0.000180	0.00200	1	10/18/2024 13:02	WG2378138
Barium	0.0193		0.000381	0.00200	1	10/18/2024 13:02	WG2378138
Calcium	524		0.0936	1.00	1	10/18/2024 13:02	WG2378138
Chromium	U		0.00124	0.00200	1	10/18/2024 13:02	WG2378138
Iron	2.56		0.0281	0.100	1	10/18/2024 13:02	WG2378138
Lead	U		0.000849	0.00200	1	10/18/2024 13:02	WG2378138
Manganese	0.146		0.000704	0.00500	1	10/18/2024 13:02	WG2378138
Potassium	4.68		0.108	2.00	1	10/18/2024 13:02	WG2378138
Selenium	0.00114	J	0.000300	0.00200	1	10/18/2024 13:02	WG2378138
Sodium	351		0.376	2.00	1	10/18/2024 13:02	WG2378138

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 05:31	WG2379320
Benzene	U		0.0000941	0.00100	1	10/10/2024 05:31	WG2379320
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 05:31	WG2379320
Bromoform	U		0.000129	0.00100	1	10/10/2024 05:31	WG2379320
Bromomethane	U	C4	0.000605	0.00500	1	10/10/2024 05:31	WG2379320
Bromomethane	U	Q	0.000605	0.00500	1	10/16/2024 23:03	WG2383296
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 05:31	WG2379320
sec-Butylbenzene	U		0.000125	0.00100	1	10/10/2024 05:31	WG2379320
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 05:31	WG2379320
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 05:31	WG2379320
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 05:31	WG2379320
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 05:31	WG2379320
Chloroethane	U	C4	0.000192	0.00500	1	10/10/2024 05:31	WG2379320
Chloroethane	U	Q	0.000192	0.00500	1	10/16/2024 23:03	WG2383296
Chloroform	U		0.000111	0.00500	1	10/10/2024 05:31	WG2379320
Chloromethane	U	C4	0.000960	0.00250	1	10/10/2024 05:31	WG2379320
Chloromethane	U	Q	0.000960	0.00250	1	10/16/2024 23:03	WG2383296
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 05:31	WG2379320
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 05:31	WG2379320
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 05:31	WG2379320
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 05:31	WG2379320
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 05:31	WG2379320
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 05:31	WG2379320
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 05:31	WG2379320
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 05:31	WG2379320
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 05:31	WG2379320

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 05:31	WG2379320
Isopropylbenzene	0.000147	J	0.000105	0.00100	1	10/10/2024 05:31	WG2379320
Isopropylbenzene	U	Q	0.000105	0.00100	1	10/16/2024 23:03	WG2383296
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 05:31	WG2379320
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 05:31	WG2379320
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 05:31	WG2379320
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 05:31	WG2379320
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 05:31	WG2379320
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/10/2024 05:31	WG2379320
Naphthalene	U		0.00100	0.00500	1	10/10/2024 05:31	WG2379320
n-Propylbenzene	U		0.0000993	0.00100	1	10/10/2024 05:31	WG2379320
Styrene	U		0.000118	0.00100	1	10/10/2024 05:31	WG2379320
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 05:31	WG2379320
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 05:31	WG2379320
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 05:31	WG2379320
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 05:31	WG2379320
Toluene	U		0.000278	0.00100	1	10/10/2024 05:31	WG2379320
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 05:31	WG2379320
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 05:31	WG2379320
Trichloroethene	U		0.000190	0.00100	1	10/10/2024 05:31	WG2379320
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 05:31	WG2379320
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 05:31	WG2379320
Vinyl chloride	U	C4	0.000234	0.00100	1	10/10/2024 05:31	WG2379320
Vinyl chloride	U	Q	0.000234	0.00100	1	10/16/2024 23:03	WG2383296
o-Xylene	U		0.000174	0.00100	1	10/10/2024 05:31	WG2379320
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 05:31	WG2379320
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 05:31	WG2379320
(S) Toluene-d8	*118*			*80.0-120*		*10/10/2024 05:31*	WG2379320
(S) Toluene-d8	*107*			*80.0-120*		*10/16/2024 23:03*	WG2383296
(S) 4-Bromofluorobenzene	*108*			*77.0-126*		*10/10/2024 05:31*	WG2379320
(S) 4-Bromofluorobenzene	*97.8*			*77.0-126*		*10/16/2024 23:03*	WG2383296
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*10/10/2024 05:31*	WG2379320
(S) 1,2-Dichloroethane-d4	*96.3*			*70.0-130*		*10/16/2024 23:03*	WG2383296

Sample Narrative:

L1784264-70 WG2379320: Reporting Isopropylbenzene from OOH due to high surrogate recovery.

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	11.8		0.123	0.500	5	10/16/2024 15:47	WG2381335
(S) o-Terphenyl	*87.9*			*52.0-156*		*10/16/2024 15:47*	WG2381335

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1470		20.0	1	10/03/2024 15:55	WG2374797

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	30.8		0.547	1.00	1	10/03/2024 08:04	WG2374352
Fluoride	1.26		0.0761	0.150	1	10/03/2024 08:04	WG2374352
Nitrate as (N)	U		0.0884	0.100	1	10/03/2024 08:04	WG2374352
Nitrite as (N)	U		0.0794	0.100	1	10/03/2024 08:04	WG2374352
Sulfate	569		6.37	50.0	10	10/09/2024 15:25	WG2374352

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.000456	J	0.000180	0.00200	1	10/18/2024 13:05	WG2378138
Barium	0.0386		0.000381	0.00200	1	10/18/2024 13:05	WG2378138
Calcium	200		0.0936	1.00	1	10/18/2024 13:05	WG2378138
Chromium	0.00177	J	0.00124	0.00200	1	10/18/2024 13:05	WG2378138
Iron	0.590		0.0281	0.100	1	10/18/2024 13:05	WG2378138
Lead	U		0.000849	0.00200	1	10/18/2024 13:05	WG2378138
Manganese	0.0458		0.000704	0.00500	1	10/18/2024 13:05	WG2378138
Potassium	0.290	J	0.108	2.00	1	10/18/2024 13:05	WG2378138
Selenium	U		0.000300	0.00200	1	10/18/2024 13:05	WG2378138
Sodium	37.6		0.376	2.00	1	10/18/2024 13:05	WG2378138

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 05:52	WG2379320
Benzene	0.00327		0.0000941	0.00100	1	10/10/2024 05:52	WG2379320
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 05:52	WG2379320
Bromoform	U		0.000129	0.00100	1	10/10/2024 05:52	WG2379320
Bromomethane	U	C4	0.000605	0.00500	1	10/10/2024 05:52	WG2379320
Bromomethane	U	Q	0.000605	0.00500	1	10/16/2024 23:23	WG2383296
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 05:52	WG2379320
sec-Butylbenzene	0.00207		0.000125	0.00100	1	10/10/2024 05:52	WG2379320
Carbon disulfide	0.000364	J	0.0000962	0.00100	1	10/10/2024 05:52	WG2379320
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 05:52	WG2379320
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 05:52	WG2379320
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 05:52	WG2379320
Chloroethane	U	C4	0.000192	0.00500	1	10/10/2024 05:52	WG2379320
Chloroethane	U	Q	0.000192	0.00500	1	10/16/2024 23:23	WG2383296
Chloroform	U		0.000111	0.00500	1	10/10/2024 05:52	WG2379320
Chloromethane	U	C4	0.000960	0.00250	1	10/10/2024 05:52	WG2379320
Chloromethane	U	Q	0.000960	0.00250	1	10/16/2024 23:23	WG2383296
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 05:52	WG2379320
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 05:52	WG2379320
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 05:52	WG2379320
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 05:52	WG2379320
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 05:52	WG2379320
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 05:52	WG2379320
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 05:52	WG2379320
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 05:52	WG2379320
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 05:52	WG2379320

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 05:52	WG2379320
Isopropylbenzene	0.0157		0.000105	0.00100	1	10/10/2024 05:52	WG2379320
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 05:52	WG2379320
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 05:52	WG2379320
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 05:52	WG2379320
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 05:52	WG2379320
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 05:52	WG2379320
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/10/2024 05:52	WG2379320
Naphthalene	U		0.00100	0.00500	1	10/10/2024 05:52	WG2379320
n-Propylbenzene	0.00384		0.0000993	0.00100	1	10/10/2024 05:52	WG2379320
Styrene	U		0.000118	0.00100	1	10/10/2024 05:52	WG2379320
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 05:52	WG2379320
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 05:52	WG2379320
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 05:52	WG2379320
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 05:52	WG2379320
Toluene	U		0.000278	0.00100	1	10/10/2024 05:52	WG2379320
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 05:52	WG2379320
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 05:52	WG2379320
Trichloroethene	U		0.000190	0.00100	1	10/10/2024 05:52	WG2379320
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 05:52	WG2379320
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 05:52	WG2379320
Vinyl chloride	U	C4	0.000234	0.00100	1	10/10/2024 05:52	WG2379320
Vinyl chloride	U	Q	0.000234	0.00100	1	10/16/2024 23:23	WG2383296
o-Xylene	U		0.000174	0.00100	1	10/10/2024 05:52	WG2379320
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 05:52	WG2379320
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 05:52	WG2379320
(S) Toluene-d8	*116*			*80.0-120*		*10/10/2024 05:52*	WG2379320
(S) Toluene-d8	*99.1*			*80.0-120*		*10/16/2024 23:23*	WG2383296
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*10/10/2024 05:52*	WG2379320
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*10/16/2024 23:23*	WG2383296
(S) 1,2-Dichloroethane-d4	*97.3*			*70.0-130*		*10/10/2024 05:52*	WG2379320
(S) 1,2-Dichloroethane-d4	*88.4*			*70.0-130*		*10/16/2024 23:23*	WG2383296

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	2.48		0.0247	0.100	1	10/15/2024 22:27	WG2381335
(S) o-Terphenyl	*144*			*52.0-156*		*10/15/2024 22:27*	WG2381335

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1330		20.0	1	10/04/2024 10:00	WG2374798

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	59.9		0.547	1.00	1	10/03/2024 08:17	WG2374352
Fluoride	1.43		0.0761	0.150	1	10/03/2024 08:17	WG2374352
Nitrate as (N)	U		0.0884	0.100	1	10/03/2024 08:17	WG2374352
Nitrite as (N)	U		0.0794	0.100	1	10/03/2024 08:17	WG2374352
Sulfate	640		6.37	50.0	10	10/09/2024 15:39	WG2374352

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0119		0.000180	0.00200	1	10/18/2024 13:08	WG2378138
Barium	0.0174		0.000381	0.00200	1	10/18/2024 13:08	WG2378138
Calcium	191		0.0936	1.00	1	10/18/2024 13:08	WG2378138
Chromium	U		0.00124	0.00200	1	10/18/2024 13:08	WG2378138
Iron	0.563		0.0281	0.100	1	10/18/2024 13:08	WG2378138
Lead	U		0.000849	0.00200	1	10/18/2024 13:08	WG2378138
Manganese	1.56		0.000704	0.00500	1	10/18/2024 13:08	WG2378138
Potassium	0.232	J	0.108	2.00	1	10/18/2024 13:08	WG2378138
Selenium	U		0.000300	0.00200	1	10/18/2024 13:08	WG2378138
Sodium	29.5		0.376	2.00	1	10/18/2024 13:08	WG2378138

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 06:14	WG2379320
Benzene	U		0.0000941	0.00100	1	10/10/2024 06:14	WG2379320
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 06:14	WG2379320
Bromoform	U		0.000129	0.00100	1	10/10/2024 06:14	WG2379320
Bromomethane	U	C4	0.000605	0.00500	1	10/10/2024 06:14	WG2379320
Bromomethane	U	Q	0.000605	0.00500	1	10/16/2024 23:43	WG2383296
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 06:14	WG2379320
sec-Butylbenzene	U		0.000125	0.00100	1	10/10/2024 06:14	WG2379320
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 06:14	WG2379320
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 06:14	WG2379320
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 06:14	WG2379320
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 06:14	WG2379320
Chloroethane	U	C4	0.000192	0.00500	1	10/10/2024 06:14	WG2379320
Chloroethane	U	Q	0.000192	0.00500	1	10/16/2024 23:43	WG2383296
Chloroform	U		0.000111	0.00500	1	10/10/2024 06:14	WG2379320
Chloromethane	U	C4	0.000960	0.00250	1	10/10/2024 06:14	WG2379320
Chloromethane	U	Q	0.000960	0.00250	1	10/16/2024 23:43	WG2383296
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 06:14	WG2379320
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 06:14	WG2379320
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 06:14	WG2379320
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 06:14	WG2379320
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 06:14	WG2379320
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 06:14	WG2379320
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 06:14	WG2379320
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 06:14	WG2379320
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 06:14	WG2379320

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 06:14	WG2379320
Isopropylbenzene	U		0.000105	0.00100	1	10/10/2024 06:14	WG2379320
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 06:14	WG2379320
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 06:14	WG2379320
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 06:14	WG2379320
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 06:14	WG2379320
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 06:14	WG2379320
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/10/2024 06:14	WG2379320
Naphthalene	U		0.00100	0.00500	1	10/10/2024 06:14	WG2379320
n-Propylbenzene	U		0.0000993	0.00100	1	10/10/2024 06:14	WG2379320
Styrene	U		0.000118	0.00100	1	10/10/2024 06:14	WG2379320
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 06:14	WG2379320
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 06:14	WG2379320
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 06:14	WG2379320
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 06:14	WG2379320
Toluene	U		0.000278	0.00100	1	10/10/2024 06:14	WG2379320
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 06:14	WG2379320
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 06:14	WG2379320
Trichloroethene	U		0.000190	0.00100	1	10/10/2024 06:14	WG2379320
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 06:14	WG2379320
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 06:14	WG2379320
Vinyl chloride	U	C4	0.000234	0.00100	1	10/10/2024 06:14	WG2379320
Vinyl chloride	U	Q	0.000234	0.00100	1	10/16/2024 23:43	WG2383296
o-Xylene	U		0.000174	0.00100	1	10/10/2024 06:14	WG2379320
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 06:14	WG2379320
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 06:14	WG2379320
(S) Toluene-d8	*121*	J1		*80.0-120*		*10/10/2024 06:14*	WG2379320
(S) Toluene-d8	*103*			*80.0-120*		*10/16/2024 23:43*	WG2383296
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*10/10/2024 06:14*	WG2379320
(S) 4-Bromofluorobenzene	*95.8*			*77.0-126*		*10/16/2024 23:43*	WG2383296
(S) 1,2-Dichloroethane-d4	*100*			*70.0-130*		*10/10/2024 06:14*	WG2379320
(S) 1,2-Dichloroethane-d4	*93.9*			*70.0-130*		*10/16/2024 23:43*	WG2383296

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.540		0.0247	0.100	1	10/15/2024 15:03	WG2381337
(S) o-Terphenyl	*112*			*52.0-156*		*10/15/2024 15:03*	WG2381337

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	1980		50.0	1	10/04/2024 10:00	WG2374798

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Cyanide	U		0.00180	0.00500	1	10/04/2024 11:13	WG2374789

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	256		5.47	10.0	10	10/03/2024 14:01	WG2374352
Fluoride	1.22		0.0761	0.150	1	10/03/2024 08:30	WG2374352
Nitrate as (N)	0.242		0.0884	0.100	1	10/03/2024 08:30	WG2374352
Nitrite as (N)	U		0.0794	0.100	1	10/03/2024 08:30	WG2374352
Sulfate	663		6.37	50.0	10	10/09/2024 15:52	WG2374352

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.0000700	0.000200	1	10/08/2024 10:53	WG2376981

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron	0.545		0.0200	0.200	1	10/14/2024 09:53	WG2378113
Boron,Dissolved	0.543		0.0200	0.200	1	10/15/2024 11:03	WG2374921

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.00585		0.000180	0.00200	1	10/18/2024 13:11	WG2378138
Arsenic,Dissolved	0.00523		0.000180	0.00200	1	10/15/2024 21:03	WG2378104
Barium	0.0160		0.000381	0.00200	1	10/18/2024 13:11	WG2378138
Cadmium	U		0.000150	0.00100	1	10/18/2024 13:11	WG2378138
Calcium	216		0.0936	1.00	1	10/18/2024 13:11	WG2378138
Chromium	U		0.00124	0.00200	1	10/18/2024 13:11	WG2378138
Cobalt	0.00154	J	0.0000596	0.00200	1	10/18/2024 13:11	WG2378138
Iron	U		0.0281	0.100	1	10/18/2024 13:11	WG2378138
Iron,Dissolved	U		0.0281	0.100	1	10/15/2024 21:03	WG2378104
Lead	U		0.000849	0.00200	1	10/18/2024 13:11	WG2378138
Manganese	0.506		0.000704	0.00500	1	10/18/2024 13:11	WG2378138
Manganese,Dissolved	0.249		0.000704	0.00500	1	10/15/2024 21:03	WG2378104
Nickel	0.0109		0.000816	0.00200	1	10/18/2024 13:11	WG2378138
Potassium	0.560	J	0.108	2.00	1	10/18/2024 13:11	WG2378138
Selenium	0.00151	J	0.000300	0.00200	1	10/18/2024 13:11	WG2378138
Sodium	253		0.376	2.00	1	10/18/2024 13:11	WG2378138
Uranium	0.0202		0.0000789	0.00100	1	10/18/2024 13:11	WG2378138
Uranium,Dissolved	0.0187		0.0000789	0.00100	1	10/15/2024 21:03	WG2378104
Vanadium	0.0186		0.000664	0.00500	1	10/18/2024 13:11	WG2378138

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.237		0.0314	0.100	1	10/09/2024 15:00	WG2378676
(S) a,a,a-Trifluorotoluene(FID)	*104*			*78.0-120*		*10/09/2024 15:00*	WG2378676

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.113	0.500	10	10/10/2024 12:44	WG2379451
Benzene	U		0.000941	0.0100	10	10/10/2024 12:44	WG2379451
Bromodichloromethane	U		0.00136	0.0100	10	10/10/2024 12:44	WG2379451
Bromoform	U		0.00129	0.0100	10	10/10/2024 12:44	WG2379451
Bromomethane	U		0.00605	0.0500	10	10/10/2024 12:44	WG2379451
n-Butylbenzene	U		0.00157	0.0100	10	10/10/2024 12:44	WG2379451
sec-Butylbenzene	U		0.00125	0.0100	10	10/10/2024 12:44	WG2379451
Carbon disulfide	U		0.000962	0.0100	10	10/10/2024 12:44	WG2379451
Carbon tetrachloride	U		0.00128	0.0100	10	10/10/2024 12:44	WG2379451
Chlorobenzene	U		0.00116	0.0100	10	10/10/2024 12:44	WG2379451
Chlorodibromomethane	U		0.00140	0.0100	10	10/10/2024 12:44	WG2379451
Chloroethane	U		0.00192	0.0500	10	10/10/2024 12:44	WG2379451
Chloroform	U		0.00111	0.0500	10	10/10/2024 12:44	WG2379451
Chloromethane	U		0.00960	0.0250	10	10/10/2024 12:44	WG2379451
1,2-Dibromoethane	U		0.00126	0.0100	10	10/10/2024 12:44	WG2379451
1,1-Dichloroethane	U		0.00100	0.0100	10	10/10/2024 12:44	WG2379451
1,2-Dichloroethane	U		0.000819	0.0100	10	10/10/2024 12:44	WG2379451
1,1-Dichloroethene	U		0.00188	0.0100	10	10/10/2024 12:44	WG2379451
cis-1,2-Dichloroethene	U		0.00126	0.0100	10	10/10/2024 12:44	WG2379451
trans-1,2-Dichloroethene	U		0.00149	0.0100	10	10/10/2024 12:44	WG2379451
1,2-Dichloropropane	U		0.00149	0.0100	10	10/10/2024 12:44	WG2379451
cis-1,3-Dichloropropene	U		0.00111	0.0100	10	10/10/2024 12:44	WG2379451
trans-1,3-Dichloropropene	U		0.00118	0.0100	10	10/10/2024 12:44	WG2379451
Ethylbenzene	U		0.00137	0.0100	10	10/10/2024 12:44	WG2379451
Isopropylbenzene	U		0.00105	0.0100	10	10/10/2024 12:44	WG2379451
p-Isopropyltoluene	U		0.00120	0.0100	10	10/10/2024 12:44	WG2379451
2-Butanone (MEK)	U		0.0119	0.100	10	10/10/2024 12:44	WG2379451
2-Hexanone	U		0.00787	0.100	10	10/10/2024 12:44	WG2379451
Methylene Chloride	U		0.00430	0.0500	10	10/10/2024 12:44	WG2379451
4-Methyl-2-pentanone (MIBK)	U		0.00478	0.100	10	10/10/2024 12:44	WG2379451
Methyl tert-butyl ether	0.103		0.00101	0.0100	10	10/10/2024 12:44	WG2379451
Naphthalene	U	J4	0.0100	0.0500	10	10/10/2024 12:44	WG2379451
n-Propylbenzene	U		0.000993	0.0100	10	10/10/2024 12:44	WG2379451
Styrene	U	J4	0.00118	0.0100	10	10/10/2024 12:44	WG2379451
tert-Butyl alcohol	U		0.0406	0.0500	10	10/10/2024 12:44	WG2379451
1,1,1,2-Tetrachloroethane	U		0.00147	0.0100	10	10/10/2024 12:44	WG2379451
1,1,2,2-Tetrachloroethane	U		0.00133	0.0100	10	10/10/2024 12:44	WG2379451
Tetrachloroethene	U		0.00300	0.0100	10	10/10/2024 12:44	WG2379451
Toluene	U		0.00278	0.0100	10	10/10/2024 12:44	WG2379451
1,1,1-Trichloroethane	U		0.00149	0.0100	10	10/10/2024 12:44	WG2379451
1,1,2-Trichloroethane	U		0.00158	0.0100	10	10/10/2024 12:44	WG2379451
Trichloroethene	U		0.00190	0.0100	10	10/10/2024 12:44	WG2379451
1,2,4-Trimethylbenzene	U		0.00322	0.0100	10	10/10/2024 12:44	WG2379451
1,3,5-Trimethylbenzene	U		0.00104	0.0100	10	10/10/2024 12:44	WG2379451
Vinyl chloride	U		0.00234	0.0100	10	10/10/2024 12:44	WG2379451
o-Xylene	U		0.00174	0.0100	10	10/10/2024 12:44	WG2379451
m&p-Xylene	U		0.00430	0.0200	10	10/10/2024 12:44	WG2379451
Xylenes, Total	U		0.00174	0.0300	10	10/10/2024 12:44	WG2379451
(S) Toluene-d8	*105*			*80.0-120*		*10/10/2024 12:44*	WG2379451

MW-33
Collected date/time: 10/01/24 11:25
L1784264

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
(S) 4-Bromofluorobenzene	*91.7*			*77.0-126*		*10/10/2024 12:44*	WG2379451
(S) 1,2-Dichloroethane-d4	*88.3*			*70.0-130*		*10/10/2024 12:44*	WG2379451

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1.29		0.0247	0.100	1	10/15/2024 15:23	WG2381337
(S) o-Terphenyl	*122*			*52.0-156*		*10/15/2024 15:23*	WG2381337

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2550		50.0	1	10/04/2024 10:00	WG2374798

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	217		5.47	10.0	10	10/03/2024 14:14	WG2374352
Fluoride	0.790		0.0761	0.150	1	10/03/2024 08:43	WG2374352
Nitrate as (N)	U		0.0884	0.100	1	10/03/2024 08:43	WG2374352
Nitrite as (N)	U		0.0794	0.100	1	10/03/2024 08:43	WG2374352
Sulfate	1180		6.37	50.0	10	10/09/2024 16:06	WG2374352

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00343		0.000180	0.00200	1	10/18/2024 13:14	WG2378138
Barium	0.0167		0.000381	0.00200	1	10/18/2024 13:14	WG2378138
Calcium	481		0.0936	1.00	1	10/18/2024 13:14	WG2378138
Chromium	U		0.00124	0.00200	1	10/18/2024 13:14	WG2378138
Iron	0.0721	J	0.0281	0.100	1	10/18/2024 13:14	WG2378138
Lead	U		0.000849	0.00200	1	10/18/2024 13:14	WG2378138
Manganese	1.19		0.000704	0.00500	1	10/18/2024 13:14	WG2378138
Potassium	0.318	J	0.108	2.00	1	10/18/2024 13:14	WG2378138
Selenium	0.000444	J	0.000300	0.00200	1	10/18/2024 13:14	WG2378138
Sodium	80.1		0.376	2.00	1	10/18/2024 13:14	WG2378138

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 06:36	WG2379320
Benzene	U		0.0000941	0.00100	1	10/10/2024 06:36	WG2379320
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 06:36	WG2379320
Bromoform	U		0.000129	0.00100	1	10/10/2024 06:36	WG2379320
Bromomethane	U	C4	0.000605	0.00500	1	10/10/2024 06:36	WG2379320
Bromomethane	U	Q	0.000605	0.00500	1	10/17/2024 00:03	WG2383296
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 06:36	WG2379320
sec-Butylbenzene	U		0.000125	0.00100	1	10/10/2024 06:36	WG2379320
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 06:36	WG2379320
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 06:36	WG2379320
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 06:36	WG2379320
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 06:36	WG2379320
Chloroethane	U	C4	0.000192	0.00500	1	10/10/2024 06:36	WG2379320
Chloroethane	U	Q	0.000192	0.00500	1	10/17/2024 00:03	WG2383296
Chloroform	U		0.000111	0.00500	1	10/10/2024 06:36	WG2379320
Chloromethane	U	C4	0.000960	0.00250	1	10/10/2024 06:36	WG2379320
Chloromethane	U	Q	0.000960	0.00250	1	10/17/2024 00:03	WG2383296
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 06:36	WG2379320
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 06:36	WG2379320
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 06:36	WG2379320
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 06:36	WG2379320
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 06:36	WG2379320
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 06:36	WG2379320
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 06:36	WG2379320
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 06:36	WG2379320
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 06:36	WG2379320

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 06:36	WG2379320
Isopropylbenzene	U		0.000105	0.00100	1	10/10/2024 06:36	WG2379320
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 06:36	WG2379320
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 06:36	WG2379320
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 06:36	WG2379320
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 06:36	WG2379320
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 06:36	WG2379320
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/10/2024 06:36	WG2379320
Naphthalene	U		0.00100	0.00500	1	10/10/2024 06:36	WG2379320
n-Propylbenzene	U		0.0000993	0.00100	1	10/10/2024 06:36	WG2379320
Styrene	U		0.000118	0.00100	1	10/10/2024 06:36	WG2379320
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 06:36	WG2379320
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 06:36	WG2379320
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 06:36	WG2379320
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 06:36	WG2379320
Toluene	U		0.000278	0.00100	1	10/10/2024 06:36	WG2379320
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 06:36	WG2379320
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 06:36	WG2379320
Trichloroethene	U		0.000190	0.00100	1	10/10/2024 06:36	WG2379320
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 06:36	WG2379320
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 06:36	WG2379320
Vinyl chloride	U	C4	0.000234	0.00100	1	10/10/2024 06:36	WG2379320
Vinyl chloride	U	Q	0.000234	0.00100	1	10/17/2024 00:03	WG2383296
o-Xylene	U		0.000174	0.00100	1	10/10/2024 06:36	WG2379320
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 06:36	WG2379320
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 06:36	WG2379320
(S) Toluene-d8	*124*	J1		*80.0-120*		*10/10/2024 06:36*	WG2379320
(S) Toluene-d8	*104*			*80.0-120*		*10/17/2024 00:03*	WG2383296
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*10/10/2024 06:36*	WG2379320
(S) 4-Bromofluorobenzene	*94.7*			*77.0-126*		*10/17/2024 00:03*	WG2383296
(S) 1,2-Dichloroethane-d4	*98.8*			*70.0-130*		*10/10/2024 06:36*	WG2379320
(S) 1,2-Dichloroethane-d4	*91.0*			*70.0-130*		*10/17/2024 00:03*	WG2383296

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	4.58		0.0247	0.100	1	10/17/2024 13:04	WG2381337
(S) o-Terphenyl	*128*			*52.0-156*		*10/17/2024 13:04*	WG2381337

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3510		50.0	1	10/04/2024 10:00	WG2374798

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	149		0.547	1.00	1	10/03/2024 08:55	WG2374352
Fluoride	0.584		0.0761	0.150	1	10/03/2024 08:55	WG2374352
Nitrate as (N)	15.8		0.0884	0.100	1	10/03/2024 08:55	WG2374352
Nitrite as (N)	U		0.0794	0.100	1	10/03/2024 08:55	WG2374352
Sulfate	2000		12.7	100	20	10/09/2024 16:19	WG2374352

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00154	J	0.000180	0.00200	1	10/18/2024 13:17	WG2378138
Barium	0.0143		0.000381	0.00200	1	10/18/2024 13:17	WG2378138
Calcium	542		0.0936	1.00	1	10/18/2024 13:17	WG2378138
Chromium	U		0.00124	0.00200	1	10/18/2024 13:17	WG2378138
Iron	U		0.0281	0.100	1	10/18/2024 13:17	WG2378138
Lead	U		0.000849	0.00200	1	10/18/2024 13:17	WG2378138
Manganese	U		0.000704	0.00500	1	10/18/2024 13:17	WG2378138
Potassium	0.683	J	0.108	2.00	1	10/18/2024 13:17	WG2378138
Selenium	0.0104		0.000300	0.00200	1	10/18/2024 13:17	WG2378138
Sodium	171		0.376	2.00	1	10/18/2024 13:17	WG2378138

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 06:58	WG2379320
Benzene	U		0.0000941	0.00100	1	10/10/2024 06:58	WG2379320
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 06:58	WG2379320
Bromoform	U		0.000129	0.00100	1	10/10/2024 06:58	WG2379320
Bromomethane	U	C4	0.000605	0.00500	1	10/10/2024 06:58	WG2379320
Bromomethane	U	Q	0.000605	0.00500	1	10/17/2024 00:23	WG2383296
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 06:58	WG2379320
sec-Butylbenzene	U		0.000125	0.00100	1	10/10/2024 06:58	WG2379320
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 06:58	WG2379320
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 06:58	WG2379320
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 06:58	WG2379320
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 06:58	WG2379320
Chloroethane	U	C4	0.000192	0.00500	1	10/10/2024 06:58	WG2379320
Chloroethane	U	Q	0.000192	0.00500	1	10/17/2024 00:23	WG2383296
Chloroform	U		0.000111	0.00500	1	10/10/2024 06:58	WG2379320
Chloromethane	U	C4	0.000960	0.00250	1	10/10/2024 06:58	WG2379320
Chloromethane	U	Q	0.000960	0.00250	1	10/17/2024 00:23	WG2383296
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 06:58	WG2379320
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 06:58	WG2379320
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 06:58	WG2379320
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 06:58	WG2379320
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 06:58	WG2379320
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 06:58	WG2379320
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 06:58	WG2379320
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 06:58	WG2379320
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 06:58	WG2379320

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 06:58	WG2379320
Isopropylbenzene	U		0.000105	0.00100	1	10/10/2024 06:58	WG2379320
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 06:58	WG2379320
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 06:58	WG2379320
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 06:58	WG2379320
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 06:58	WG2379320
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 06:58	WG2379320
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/10/2024 06:58	WG2379320
Naphthalene	U		0.00100	0.00500	1	10/10/2024 06:58	WG2379320
n-Propylbenzene	U		0.0000993	0.00100	1	10/10/2024 06:58	WG2379320
Styrene	U		0.000118	0.00100	1	10/10/2024 06:58	WG2379320
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 06:58	WG2379320
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 06:58	WG2379320
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 06:58	WG2379320
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 06:58	WG2379320
Toluene	U		0.000278	0.00100	1	10/10/2024 06:58	WG2379320
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 06:58	WG2379320
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 06:58	WG2379320
Trichloroethene	U		0.000190	0.00100	1	10/10/2024 06:58	WG2379320
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 06:58	WG2379320
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 06:58	WG2379320
Vinyl chloride	U	C4	0.000234	0.00100	1	10/10/2024 06:58	WG2379320
Vinyl chloride	U	Q	0.000234	0.00100	1	10/17/2024 00:23	WG2383296
o-Xylene	U		0.000174	0.00100	1	10/10/2024 06:58	WG2379320
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 06:58	WG2379320
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 06:58	WG2379320
(S) Toluene-d8	*122*	J1		*80.0-120*		*10/10/2024 06:58*	WG2379320
(S) Toluene-d8	*111*			*80.0-120*		*10/17/2024 00:23*	WG2383296
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*10/10/2024 06:58*	WG2379320
(S) 4-Bromofluorobenzene	*93.8*			*77.0-126*		*10/17/2024 00:23*	WG2383296
(S) 1,2-Dichloroethane-d4	*97.8*			*70.0-130*		*10/10/2024 06:58*	WG2379320
(S) 1,2-Dichloroethane-d4	*95.4*			*70.0-130*		*10/17/2024 00:23*	WG2383296

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0841	J	0.0247	0.100	1	10/15/2024 15:43	WG2381337
(S) o-Terphenyl	*104*			*52.0-156*		*10/15/2024 15:43*	WG2381337

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3490		50.0	1	10/04/2024 10:00	WG2374798

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	149		0.547	1.00	1	10/03/2024 09:08	WG2374352
Fluoride	0.587		0.0761	0.150	1	10/03/2024 09:08	WG2374352
Nitrate as (N)	16.0		0.0884	0.100	1	10/03/2024 09:08	WG2374352
Nitrite as (N)	U		0.0794	0.100	1	10/03/2024 09:08	WG2374352
Sulfate	1870		12.7	100	20	10/09/2024 16:33	WG2374352

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00150	J	0.000180	0.00200	1	10/18/2024 13:21	WG2378138
Barium	0.0140		0.000381	0.00200	1	10/18/2024 13:21	WG2378138
Calcium	559		0.0936	1.00	1	10/18/2024 13:21	WG2378138
Chromium	U		0.00124	0.00200	1	10/18/2024 13:21	WG2378138
Iron	U		0.0281	0.100	1	10/18/2024 13:21	WG2378138
Lead	U		0.000849	0.00200	1	10/18/2024 13:21	WG2378138
Manganese	U		0.000704	0.00500	1	10/18/2024 13:21	WG2378138
Potassium	0.675	J	0.108	2.00	1	10/18/2024 13:21	WG2378138
Selenium	0.0112		0.000300	0.00200	1	10/18/2024 13:21	WG2378138
Sodium	172		0.376	2.00	1	10/18/2024 13:21	WG2378138

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 07:19	WG2379320
Benzene	U		0.0000941	0.00100	1	10/10/2024 07:19	WG2379320
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 07:19	WG2379320
Bromoform	U		0.000129	0.00100	1	10/10/2024 07:19	WG2379320
Bromomethane	U	C4	0.000605	0.00500	1	10/10/2024 07:19	WG2379320
Bromomethane	U	Q	0.000605	0.00500	1	10/17/2024 00:43	WG2383296
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 07:19	WG2379320
sec-Butylbenzene	U		0.000125	0.00100	1	10/10/2024 07:19	WG2379320
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 07:19	WG2379320
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 07:19	WG2379320
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 07:19	WG2379320
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 07:19	WG2379320
Chloroethane	U	C4	0.000192	0.00500	1	10/10/2024 07:19	WG2379320
Chloroethane	U	Q	0.000192	0.00500	1	10/17/2024 00:43	WG2383296
Chloroform	U		0.000111	0.00500	1	10/10/2024 07:19	WG2379320
Chloromethane	U	C4	0.000960	0.00250	1	10/10/2024 07:19	WG2379320
Chloromethane	U	Q	0.000960	0.00250	1	10/17/2024 00:43	WG2383296
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 07:19	WG2379320
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 07:19	WG2379320
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 07:19	WG2379320
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 07:19	WG2379320
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 07:19	WG2379320
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 07:19	WG2379320
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 07:19	WG2379320
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 07:19	WG2379320
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 07:19	WG2379320

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 07:19	WG2379320
Isopropylbenzene	U		0.000105	0.00100	1	10/10/2024 07:19	WG2379320
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 07:19	WG2379320
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 07:19	WG2379320
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 07:19	WG2379320
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 07:19	WG2379320
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 07:19	WG2379320
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/10/2024 07:19	WG2379320
Naphthalene	U		0.00100	0.00500	1	10/10/2024 07:19	WG2379320
n-Propylbenzene	U		0.0000993	0.00100	1	10/10/2024 07:19	WG2379320
Styrene	U		0.000118	0.00100	1	10/10/2024 07:19	WG2379320
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 07:19	WG2379320
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 07:19	WG2379320
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 07:19	WG2379320
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 07:19	WG2379320
Toluene	U		0.000278	0.00100	1	10/10/2024 07:19	WG2379320
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 07:19	WG2379320
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 07:19	WG2379320
Trichloroethene	U		0.000190	0.00100	1	10/10/2024 07:19	WG2379320
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 07:19	WG2379320
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 07:19	WG2379320
Vinyl chloride	U	C4	0.000234	0.00100	1	10/10/2024 07:19	WG2379320
Vinyl chloride	U	Q	0.000234	0.00100	1	10/17/2024 00:43	WG2383296
o-Xylene	U		0.000174	0.00100	1	10/10/2024 07:19	WG2379320
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 07:19	WG2379320
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 07:19	WG2379320
(S) Toluene-d8	*122*	J1		*80.0-120*		*10/10/2024 07:19*	WG2379320
(S) Toluene-d8	*106*			*80.0-120*		*10/17/2024 00:43*	WG2383296
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*10/10/2024 07:19*	WG2379320
(S) 4-Bromofluorobenzene	*93.6*			*77.0-126*		*10/17/2024 00:43*	WG2383296
(S) 1,2-Dichloroethane-d4	*100*			*70.0-130*		*10/10/2024 07:19*	WG2379320
(S) 1,2-Dichloroethane-d4	*91.4*			*70.0-130*		*10/17/2024 00:43*	WG2383296

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0671	J	0.0247	0.100	1	10/15/2024 16:03	WG2381337
(S) o-Terphenyl	*99.5*			*52.0-156*		*10/15/2024 16:03*	WG2381337

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	ND		10.0	1	10/04/2024 10:00	WG2374798

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	U		0.547	1.00	1	10/03/2024 09:21	WG2374352
Fluoride	U		0.0761	0.150	1	10/03/2024 09:21	WG2374352
Nitrate as (N)	0.156		0.0884	0.100	1	10/03/2024 09:21	WG2374352
Nitrite as (N)	U		0.0794	0.100	1	10/03/2024 09:21	WG2374352
Sulfate	U		0.637	5.00	1	10/09/2024 16:46	WG2374352

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	U		0.000180	0.00200	1	10/18/2024 13:32	WG2378138
Barium	U		0.000381	0.00200	1	10/18/2024 13:32	WG2378138
Calcium	U		0.0936	1.00	1	10/18/2024 13:32	WG2378138
Chromium	U		0.00124	0.00200	1	10/18/2024 13:32	WG2378138
Iron	U		0.0281	0.100	1	10/18/2024 13:32	WG2378138
Lead	U		0.000849	0.00200	1	10/18/2024 13:32	WG2378138
Manganese	U		0.000704	0.00500	1	10/18/2024 13:32	WG2378138
Potassium	U		0.108	2.00	1	10/18/2024 13:32	WG2378138
Selenium	U		0.000300	0.00200	1	10/18/2024 13:32	WG2378138
Sodium	U		0.376	2.00	1	10/18/2024 13:32	WG2378138

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 04:47	WG2379320
Benzene	U		0.0000941	0.00100	1	10/10/2024 04:47	WG2379320
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 04:47	WG2379320
Bromoform	U		0.000129	0.00100	1	10/10/2024 04:47	WG2379320
Bromomethane	U	C4	0.000605	0.00500	1	10/10/2024 04:47	WG2379320
Bromomethane	U	Q	0.000605	0.00500	1	10/17/2024 01:03	WG2383296
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 04:47	WG2379320
sec-Butylbenzene	U		0.000125	0.00100	1	10/10/2024 04:47	WG2379320
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 04:47	WG2379320
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 04:47	WG2379320
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 04:47	WG2379320
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 04:47	WG2379320
Chloroethane	U	C4	0.000192	0.00500	1	10/10/2024 04:47	WG2379320
Chloroethane	U	Q	0.000192	0.00500	1	10/17/2024 01:03	WG2383296
Chloroform	U		0.000111	0.00500	1	10/10/2024 04:47	WG2379320
Chloromethane	U	C4	0.000960	0.00250	1	10/10/2024 04:47	WG2379320
Chloromethane	U	Q	0.000960	0.00250	1	10/17/2024 01:03	WG2383296
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 04:47	WG2379320
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 04:47	WG2379320
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 04:47	WG2379320
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 04:47	WG2379320
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 04:47	WG2379320
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 04:47	WG2379320
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 04:47	WG2379320
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 04:47	WG2379320
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 04:47	WG2379320

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 04:47	WG2379320
Isopropylbenzene	U		0.000105	0.00100	1	10/10/2024 04:47	WG2379320
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 04:47	WG2379320
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 04:47	WG2379320
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 04:47	WG2379320
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 04:47	WG2379320
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 04:47	WG2379320
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/10/2024 04:47	WG2379320
Naphthalene	U		0.00100	0.00500	1	10/10/2024 04:47	WG2379320
n-Propylbenzene	U		0.0000993	0.00100	1	10/10/2024 04:47	WG2379320
Styrene	U		0.000118	0.00100	1	10/10/2024 04:47	WG2379320
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 04:47	WG2379320
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 04:47	WG2379320
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 04:47	WG2379320
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 04:47	WG2379320
Toluene	U		0.000278	0.00100	1	10/10/2024 04:47	WG2379320
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 04:47	WG2379320
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 04:47	WG2379320
Trichloroethene	U		0.000190	0.00100	1	10/10/2024 04:47	WG2379320
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 04:47	WG2379320
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 04:47	WG2379320
Vinyl chloride	U	C4	0.000234	0.00100	1	10/10/2024 04:47	WG2379320
Vinyl chloride	U	Q	0.000234	0.00100	1	10/17/2024 01:03	WG2383296
o-Xylene	U		0.000174	0.00100	1	10/10/2024 04:47	WG2379320
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 04:47	WG2379320
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 04:47	WG2379320
(S) Toluene-d8	*123*	J1		*80.0-120*		*10/10/2024 04:47*	WG2379320
(S) Toluene-d8	*109*			*80.0-120*		*10/17/2024 01:03*	WG2383296
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*10/10/2024 04:47*	WG2379320
(S) 4-Bromofluorobenzene	*89.8*			*77.0-126*		*10/17/2024 01:03*	WG2383296
(S) 1,2-Dichloroethane-d4	*98.4*			*70.0-130*		*10/10/2024 04:47*	WG2379320
(S) 1,2-Dichloroethane-d4	*93.9*			*70.0-130*		*10/17/2024 01:03*	WG2383296

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0392	J	0.0247	0.100	1	10/15/2024 16:23	WG2381337
(S) o-Terphenyl	*113*			*52.0-156*		*10/15/2024 16:23*	WG2381337

Received by OCD: 6/12/2025 1:19:15 PM

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 04:03	WG2379320
Benzene	U		0.0000941	0.00100	1	10/10/2024 04:03	WG2379320
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 04:03	WG2379320
Bromoform	U		0.000129	0.00100	1	10/10/2024 04:03	WG2379320
Bromomethane	U	C4	0.000605	0.00500	1	10/10/2024 04:03	WG2379320
Bromomethane	U	Q	0.000605	0.00500	1	10/16/2024 21:42	WG2383296
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 04:03	WG2379320
sec-Butylbenzene	U		0.000125	0.00100	1	10/10/2024 04:03	WG2379320
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 04:03	WG2379320
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 04:03	WG2379320
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 04:03	WG2379320
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 04:03	WG2379320
Chloroethane	U	C4	0.000192	0.00500	1	10/10/2024 04:03	WG2379320
Chloroethane	U	Q	0.000192	0.00500	1	10/16/2024 21:42	WG2383296
Chloroform	U		0.000111	0.00500	1	10/10/2024 04:03	WG2379320
Chloromethane	U	C4	0.000960	0.00250	1	10/10/2024 04:03	WG2379320
Chloromethane	U	Q	0.000960	0.00250	1	10/16/2024 21:42	WG2383296
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 04:03	WG2379320
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 04:03	WG2379320
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 04:03	WG2379320
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 04:03	WG2379320
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 04:03	WG2379320
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 04:03	WG2379320
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 04:03	WG2379320
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 04:03	WG2379320
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 04:03	WG2379320
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 04:03	WG2379320
Isopropylbenzene	U		0.000105	0.00100	1	10/10/2024 04:03	WG2379320
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 04:03	WG2379320
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 04:03	WG2379320
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 04:03	WG2379320
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 04:03	WG2379320
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 04:03	WG2379320
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/10/2024 04:03	WG2379320
Naphthalene	U		0.00100	0.00500	1	10/10/2024 04:03	WG2379320
n-Propylbenzene	U		0.0000993	0.00100	1	10/10/2024 04:03	WG2379320
Styrene	U		0.000118	0.00100	1	10/10/2024 04:03	WG2379320
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 04:03	WG2379320
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 04:03	WG2379320
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 04:03	WG2379320
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 04:03	WG2379320
Toluene	U		0.000278	0.00100	1	10/10/2024 04:03	WG2379320
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 04:03	WG2379320
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 04:03	WG2379320
Trichloroethene	U		0.000190	0.00100	1	10/10/2024 04:03	WG2379320
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 04:03	WG2379320
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 04:03	WG2379320
Vinyl chloride	U	C4	0.000234	0.00100	1	10/10/2024 04:03	WG2379320
Vinyl chloride	U	Q	0.000234	0.00100	1	10/16/2024 21:42	WG2383296
o-Xylene	U		0.000174	0.00100	1	10/10/2024 04:03	WG2379320
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 04:03	WG2379320
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 04:03	WG2379320
(S) Toluene-d8	*124*	J1		*80.0-120*		*10/10/2024 04:03*	WG2379320
(S) Toluene-d8	*107*			*80.0-120*		*10/16/2024 21:42*	WG2383296
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*10/10/2024 04:03*	WG2379320
(S) 4-Bromofluorobenzene	*94.0*			*77.0-126*		*10/16/2024 21:42*	WG2383296

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Released to Imaging: 6/17/2025 4:41:11 PM

Received by OCD: 6/12/2025 1:19:15 PM

TRIP BLANK-NCL-01
Collected date/time: 10/01/24 00:00
L1784264

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
(S) 1,2-Dichloroethane-d4	*97.9*			*70.0-130*		*10/10/2024 04:03*	WG2379320
(S) 1,2-Dichloroethane-d4	*89.4*			*70.0-130*		*10/16/2024 21:42*	WG2383296

Released to Imaging: 6/17/2025 4:41:11 PM

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	5890		100	1	10/04/2024 10:00	WG2374798

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1280		5.47	10.0	10	10/03/2024 21:22	WG2374336
Fluoride	3.22		0.761	1.50	10	10/03/2024 21:22	WG2374336
Nitrate as (N)	U	Q	0.884	1.00	10	10/03/2024 21:22	WG2374336
Nitrite as (N)	U	Q	0.794	1.00	10	10/03/2024 21:22	WG2374336
Sulfate	2940		63.7	500	100	10/03/2024 21:39	WG2374336

Sample Narrative:

L1784264-79 WG2374336: Dilution due to matrix impact on instrumentation at lower dilution

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00916		0.000180	0.00200	1	10/18/2024 13:35	WG2378138
Barium	0.0184		0.000381	0.00200	1	10/18/2024 13:35	WG2378138
Calcium	558		0.0936	1.00	1	10/18/2024 13:35	WG2378138
Chromium	U		0.00124	0.00200	1	10/18/2024 13:35	WG2378138
Iron	50.6		0.0281	0.100	1	10/18/2024 13:35	WG2378138
Lead	U		0.000849	0.00200	1	10/18/2024 13:35	WG2378138
Manganese	1.18		0.000704	0.00500	1	10/18/2024 13:35	WG2378138
Potassium	3.00		0.108	2.00	1	10/18/2024 13:35	WG2378138
Selenium	0.00413		0.000300	0.00200	1	10/18/2024 13:35	WG2378138
Sodium	1130		1.88	10.0	5	10/18/2024 13:59	WG2378138

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0474	J	0.0314	0.100	1	10/09/2024 15:23	WG2378676
(S) a,a,a-Trifluorotoluene(FID)	*104*			*78.0-120*		*10/09/2024 15:23*	WG2378676

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 07:41	WG2379320
Benzene	U		0.0000941	0.00100	1	10/10/2024 07:41	WG2379320
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 07:41	WG2379320
Bromoform	U		0.000129	0.00100	1	10/10/2024 07:41	WG2379320
Bromomethane	U	C4	0.000605	0.00500	1	10/10/2024 07:41	WG2379320
Bromomethane	U	Q	0.000605	0.00500	1	10/17/2024 01:23	WG2383296
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 07:41	WG2379320
sec-Butylbenzene	U		0.000125	0.00100	1	10/10/2024 07:41	WG2379320
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 07:41	WG2379320
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 07:41	WG2379320
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 07:41	WG2379320
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 07:41	WG2379320
Chloroethane	U	C4	0.000192	0.00500	1	10/10/2024 07:41	WG2379320
Chloroethane	U	Q	0.000192	0.00500	1	10/17/2024 01:23	WG2383296
Chloroform	U		0.000111	0.00500	1	10/10/2024 07:41	WG2379320
Chloromethane	U	C4	0.000960	0.00250	1	10/10/2024 07:41	WG2379320

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloromethane	U	Q	0.000960	0.00250	1	10/17/2024 01:23	WG2383296
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 07:41	WG2379320
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 07:41	WG2379320
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 07:41	WG2379320
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 07:41	WG2379320
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 07:41	WG2379320
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 07:41	WG2379320
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 07:41	WG2379320
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 07:41	WG2379320
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 07:41	WG2379320
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 07:41	WG2379320
Isopropylbenzene	U		0.000105	0.00100	1	10/10/2024 07:41	WG2379320
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 07:41	WG2379320
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 07:41	WG2379320
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 07:41	WG2379320
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 07:41	WG2379320
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 07:41	WG2379320
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/10/2024 07:41	WG2379320
Naphthalene	U		0.00100	0.00500	1	10/10/2024 07:41	WG2379320
n-Propylbenzene	U		0.0000993	0.00100	1	10/10/2024 07:41	WG2379320
Styrene	U		0.000118	0.00100	1	10/10/2024 07:41	WG2379320
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 07:41	WG2379320
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 07:41	WG2379320
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 07:41	WG2379320
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 07:41	WG2379320
Toluene	U		0.000278	0.00100	1	10/10/2024 07:41	WG2379320
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 07:41	WG2379320
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 07:41	WG2379320
Trichloroethene	U		0.000190	0.00100	1	10/10/2024 07:41	WG2379320
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 07:41	WG2379320
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 07:41	WG2379320
Vinyl chloride	U	C4	0.000234	0.00100	1	10/10/2024 07:41	WG2379320
Vinyl chloride	U	Q	0.000234	0.00100	1	10/17/2024 01:23	WG2383296
o-Xylene	U		0.000174	0.00100	1	10/10/2024 07:41	WG2379320
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 07:41	WG2379320
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 07:41	WG2379320
(S) Toluene-d8	*122*	J1		*80.0-120*		*10/10/2024 07:41*	WG2379320
(S) Toluene-d8	*105*			*80.0-120*		*10/17/2024 01:23*	WG2383296
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*10/10/2024 07:41*	WG2379320
(S) 4-Bromofluorobenzene	*92.4*			*77.0-126*		*10/17/2024 01:23*	WG2383296
(S) 1,2-Dichloroethane-d4	*99.7*			*70.0-130*		*10/10/2024 07:41*	WG2379320
(S) 1,2-Dichloroethane-d4	*93.6*			*70.0-130*		*10/17/2024 01:23*	WG2383296

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.264		0.0247	0.100	1	10/15/2024 16:43	WG2381337
(S) o-Terphenyl	*107*			*52.0-156*		*10/15/2024 16:43*	WG2381337

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4740		100	1	10/04/2024 10:00	WG2374798

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	798		5.47	10.0	10	10/03/2024 21:56	WG2374336
Fluoride	5.60		0.761	1.50	10	10/03/2024 21:56	WG2374336
Nitrate as (N)	U	Q	0.884	1.00	10	10/03/2024 21:56	WG2374336
Nitrite as (N)	U	Q	0.794	1.00	10	10/03/2024 21:56	WG2374336
Sulfate	2630		63.7	500	100	10/03/2024 22:13	WG2374336

Sample Narrative:

L1784264-80 WG2374336: Dilution due to matrix impact on instrumentation at lower dilution

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.205		0.000180	0.00200	1	10/18/2024 13:39	WG2378138
Barium	0.0172		0.000381	0.00200	1	10/18/2024 13:39	WG2378138
Calcium	667		0.0936	1.00	1	10/18/2024 13:39	WG2378138
Chromium	U		0.00124	0.00200	1	10/18/2024 13:39	WG2378138
Iron	5.33		0.0281	0.100	1	10/18/2024 13:39	WG2378138
Lead	U		0.000849	0.00200	1	10/18/2024 13:39	WG2378138
Manganese	2.20		0.000704	0.00500	1	10/18/2024 13:39	WG2378138
Potassium	3.47		0.108	2.00	1	10/18/2024 13:39	WG2378138
Selenium	0.00276		0.000300	0.00200	1	10/18/2024 13:39	WG2378138
Sodium	572		0.376	2.00	1	10/18/2024 13:39	WG2378138

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/09/2024 15:45	WG2378676
(S) a,a,a-Trifluorotoluene(FID)	*102*			*78.0-120*		*10/09/2024 15:45*	WG2378676

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.178		0.0247	0.100	1	10/16/2024 15:25	WG2381337
(S) o-Terphenyl	*100*			*52.0-156*		*10/16/2024 15:25*	WG2381337

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	9500		200	1	10/04/2024 10:00	WG2374798

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1220		5.47	10.0	10	10/03/2024 23:04	WG2374336
Fluoride	5.60		0.761	1.50	10	10/03/2024 23:04	WG2374336
Nitrate as (N)	U	Q	0.884	1.00	10	10/03/2024 23:04	WG2374336
Nitrite as (N)	U	Q	0.794	1.00	10	10/03/2024 23:04	WG2374336
Sulfate	4790		63.7	500	100	10/03/2024 23:21	WG2374336

Sample Narrative:

L1784264-81 WG2374336: Dilution due to matrix impact on instrumentation at lower dilution

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.164		0.000180	0.00200	1	10/18/2024 14:09	WG2378138
Barium	0.0125		0.000381	0.00200	1	10/18/2024 14:09	WG2378138
Calcium	583		0.0936	1.00	1	10/18/2024 14:09	WG2378138
Chromium	0.00358		0.00124	0.00200	1	10/18/2024 14:09	WG2378138
Iron	9.68		0.0281	0.100	1	10/18/2024 14:09	WG2378138
Lead	U		0.000849	0.00200	1	10/18/2024 14:09	WG2378138
Manganese	2.65		0.000704	0.00500	1	10/18/2024 14:09	WG2378138
Potassium	5.81		0.108	2.00	1	10/18/2024 14:09	WG2378138
Selenium	0.00555		0.000300	0.00200	1	10/18/2024 14:09	WG2378138
Sodium	1630		1.88	10.0	5	10/18/2024 13:42	WG2378138

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.997		0.0314	0.100	1	10/09/2024 16:08	WG2378676
(S) a,a,a-Trifluorotoluene(FID)	*102*			*78.0-120*		*10/09/2024 16:08*	WG2378676

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	78.0		0.494	2.00	20	10/16/2024 02:12	WG2381337
(S) o-Terphenyl	*0.000*	J7		*52.0-156*		*10/16/2024 02:12*	WG2381337

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4610		100	1	10/04/2024 10:00	WG2374798

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1110		5.47	10.0	10	10/03/2024 12:37	WG2374336
Fluoride	1.94		0.761	1.50	10	10/03/2024 12:37	WG2374336
Nitrate as (N)	U	Q	0.884	1.00	10	10/03/2024 12:37	WG2374336
Nitrite as (N)	U	Q	0.794	1.00	10	10/03/2024 12:37	WG2374336
Sulfate	1770		6.37	50.0	10	10/03/2024 12:37	WG2374336

Sample Narrative:

L1784264-82 WG2374336: Dilution due to matrix impact on instrumentation at lower dilution

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00299		0.000180	0.00200	1	10/18/2024 13:45	WG2378138
Barium	0.0260		0.000381	0.00200	1	10/18/2024 13:45	WG2378138
Calcium	460		0.0936	1.00	1	10/18/2024 13:45	WG2378138
Chromium	U		0.00124	0.00200	1	10/18/2024 13:45	WG2378138
Iron	5.80		0.0281	0.100	1	10/18/2024 13:45	WG2378138
Lead	U		0.000849	0.00200	1	10/18/2024 13:45	WG2378138
Manganese	1.30		0.000704	0.00500	1	10/18/2024 13:45	WG2378138
Potassium	4.11		0.108	2.00	1	10/18/2024 13:45	WG2378138
Selenium	U		0.000300	0.00200	1	10/18/2024 13:45	WG2378138
Sodium	744		0.376	2.00	1	10/18/2024 13:45	WG2378138

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0662	J	0.0314	0.100	1	10/09/2024 16:31	WG2378676
(S) a,a,a-Trifluorotoluene(FID)	*103*			*78.0-120*		*10/09/2024 16:31*	WG2378676

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.107		0.0247	0.100	1	10/15/2024 23:11	WG2381337
(S) o-Terphenyl	*102*			*52.0-156*		*10/15/2024 23:11*	WG2381337

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	5600		100	1	10/04/2024 10:00	WG2374798

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1460		5.47	10.0	10	10/03/2024 11:46	WG2374336
Fluoride	5.92		0.761	1.50	10	10/03/2024 11:46	WG2374336
Nitrate as (N)	0.907	J Q	0.884	1.00	10	10/03/2024 11:46	WG2374336
Nitrite as (N)	U	Q	0.794	1.00	10	10/03/2024 11:46	WG2374336
Sulfate	2040		63.7	500	100	10/03/2024 12:03	WG2374336

Sample Narrative:

L1784264-83 WG2374336: Dilution due to matrix impact on instrumentation at lower dilution

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00455		0.000180	0.00200	1	10/18/2024 13:48	WG2378138
Barium	0.0159		0.000381	0.00200	1	10/18/2024 13:48	WG2378138
Calcium	669		0.0936	1.00	1	10/18/2024 13:48	WG2378138
Chromium	U		0.00124	0.00200	1	10/18/2024 13:48	WG2378138
Iron	0.0538	J	0.0281	0.100	1	10/18/2024 13:48	WG2378138
Lead	U		0.000849	0.00200	1	10/18/2024 13:48	WG2378138
Manganese	0.488		0.000704	0.00500	1	10/18/2024 13:48	WG2378138
Potassium	7.18		0.108	2.00	1	10/18/2024 13:48	WG2378138
Selenium	0.0188		0.000300	0.00200	1	10/18/2024 13:48	WG2378138
Sodium	991		0.376	2.00	1	10/18/2024 13:48	WG2378138

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0436	J	0.0314	0.100	1	10/09/2024 16:54	WG2378676
(S) a,a,a-Trifluorotoluene(FID)	*101*			*78.0-120*		*10/09/2024 16:54*	WG2378676

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.427		0.0247	0.100	1	10/15/2024 17:24	WG2381337
(S) o-Terphenyl	*113*			*52.0-156*		*10/15/2024 17:24*	WG2381337

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	8240		200	1	10/04/2024 10:00	WG2374798

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	2100		54.7	100	100	10/03/2024 18:33	WG2374336
Fluoride	8.04		0.761	1.50	10	10/03/2024 18:16	WG2374336
Nitrate as (N)	U	Q	0.884	1.00	10	10/03/2024 18:16	WG2374336
Nitrite as (N)	U	Q	0.794	1.00	10	10/03/2024 18:16	WG2374336
Sulfate	3930		63.7	500	100	10/03/2024 18:33	WG2374336

Sample Narrative:

L1784264-84 WG2374336: Dilution due to matrix impact on instrumentation at lower dilution

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.117		0.000180	0.00200	1	10/18/2024 01:36	WG2378140
Barium	0.0464		0.000381	0.00200	1	10/18/2024 01:36	WG2378140
Calcium	553	V	0.0936	1.00	1	10/18/2024 01:36	WG2378140
Chromium	0.00216		0.00124	0.00200	1	10/18/2024 01:36	WG2378140
Iron	12.7	V	0.0281	0.100	1	10/18/2024 01:36	WG2378140
Lead	0.00144	J	0.000849	0.00200	1	10/18/2024 01:36	WG2378140
Manganese	2.33	V	0.000704	0.00500	1	10/18/2024 01:36	WG2378140
Potassium	24.6		0.108	2.00	1	10/18/2024 01:36	WG2378140
Selenium	0.00595		0.000300	0.00200	1	10/18/2024 01:36	WG2378140
Sodium	1970		1.88	10.0	5	10/18/2024 13:22	WG2378140

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	2.05		0.314	1.00	10	10/09/2024 19:33	WG2378676
(S) a,a,a-Trifluorotoluene(FID)	*103*			*78.0-120*		*10/09/2024 19:33*	WG2378676

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	10.6		0.123	0.500	5	10/16/2024 18:10	WG2381337
(S) o-Terphenyl	*674*	J1		*52.0-156*		*10/16/2024 18:10*	WG2381337

Sample Narrative:

L1784264-84 WG2381337: Surrogate failure due to matrix interference

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	10400		200	1	10/04/2024 10:00	WG2374798

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	2710		54.7	100	100	10/03/2024 14:02	WG2374336
Fluoride	2.45		0.761	1.50	10	10/03/2024 13:45	WG2374336
Nitrate as (N)	U	Q	0.884	1.00	10	10/03/2024 13:45	WG2374336
Nitrite as (N)	U	Q	0.794	1.00	10	10/03/2024 13:45	WG2374336
Sulfate	4070		63.7	500	100	10/03/2024 14:02	WG2374336

Sample Narrative:

L1784264-85 WG2374336: Dilution due to matrix impact on instrumentation at lower dilution

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00800		0.000180	0.00200	1	10/18/2024 01:52	WG2378140
Barium	0.0292		0.000381	0.00200	1	10/18/2024 01:52	WG2378140
Calcium	567		0.0936	1.00	1	10/18/2024 01:52	WG2378140
Chromium	U		0.00124	0.00200	1	10/18/2024 01:52	WG2378140
Iron	0.372		0.0281	0.100	1	10/18/2024 01:52	WG2378140
Lead	U		0.000849	0.00200	1	10/18/2024 01:52	WG2378140
Manganese	0.354		0.000704	0.00500	1	10/18/2024 01:52	WG2378140
Potassium	4.15		0.108	2.00	1	10/18/2024 01:52	WG2378140
Selenium	0.00382		0.000300	0.00200	1	10/18/2024 01:52	WG2378140
Sodium	2330		1.88	10.0	5	10/18/2024 13:26	WG2378140

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/09/2024 17:16	WG2378676
(S) a,a,a-Trifluorotoluene(FID)	*100*			*78.0-120*		*10/09/2024 17:16*	WG2378676

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.127		0.0247	0.100	1	10/16/2024 15:05	WG2381337
(S) o-Terphenyl	*91.1*			*52.0-156*		*10/16/2024 15:05*	WG2381337

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	12400		200	1	10/04/2024 10:00	WG2374798

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	4810		54.7	100	100	10/03/2024 15:43	WG2374336
Fluoride	2.75		0.761	1.50	10	10/03/2024 15:26	WG2374336
Nitrate as (N)	U	Q	0.884	1.00	10	10/03/2024 15:26	WG2374336
Nitrite as (N)	U	Q	0.794	1.00	10	10/03/2024 15:26	WG2374336
Sulfate	3220		63.7	500	100	10/03/2024 15:43	WG2374336

Sample Narrative:

L1784264-86 WG2374336: Dilution due to matrix impact on instrumentation at lower dilution

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00994		0.000180	0.00200	1	10/18/2024 01:56	WG2378140
Barium	0.0267		0.000381	0.00200	1	10/18/2024 01:56	WG2378140
Calcium	960		0.0936	1.00	1	10/18/2024 01:56	WG2378140
Chromium	U		0.00124	0.00200	1	10/18/2024 01:56	WG2378140
Iron	8.29		0.0281	0.100	1	10/18/2024 01:56	WG2378140
Lead	U		0.000849	0.00200	1	10/18/2024 01:56	WG2378140
Manganese	2.35		0.000704	0.00500	1	10/18/2024 01:56	WG2378140
Potassium	14.1		0.108	2.00	1	10/18/2024 01:56	WG2378140
Selenium	0.000522	J	0.000300	0.00200	1	10/18/2024 01:56	WG2378140
Sodium	2960		1.88	10.0	5	10/18/2024 13:29	WG2378140

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.240		0.0314	0.100	1	10/09/2024 17:39	WG2378676
(S) a,a,a-Trifluorotoluene(FID)	*101*			*78.0-120*		*10/09/2024 17:39*	WG2378676

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.839		0.0247	0.100	1	10/16/2024 00:12	WG2381337
(S) o-Terphenyl	*108*			*52.0-156*		*10/16/2024 00:12*	WG2381337

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	11000		200	1	10/04/2024 10:00	WG2374798

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	2810		54.7	100	100	10/03/2024 16:51	WG2374336
Fluoride	3.18		0.761	1.50	10	10/03/2024 16:34	WG2374336
Nitrate as (N)	U	Q	0.884	1.00	10	10/03/2024 16:34	WG2374336
Nitrite as (N)	U	Q	0.794	1.00	10	10/03/2024 16:34	WG2374336
Sulfate	4120		63.7	500	100	10/03/2024 16:51	WG2374336

Sample Narrative:

L1784264-87 WG2374336: Dilution due to matrix impact on instrumentation at lower dilution

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0764		0.000180	0.00200	1	10/18/2024 02:02	WG2378140
Barium	0.0162		0.000381	0.00200	1	10/18/2024 02:02	WG2378140
Calcium	667		0.0936	1.00	1	10/18/2024 02:02	WG2378140
Chromium	U		0.00124	0.00200	1	10/18/2024 02:02	WG2378140
Iron	11.0		0.0281	0.100	1	10/18/2024 02:02	WG2378140
Lead	U		0.000849	0.00200	1	10/18/2024 02:02	WG2378140
Manganese	3.33		0.000704	0.00500	1	10/18/2024 02:02	WG2378140
Potassium	6.30		0.108	2.00	1	10/18/2024 02:02	WG2378140
Selenium	0.00128	J	0.000300	0.00200	1	10/18/2024 02:02	WG2378140
Sodium	2470		1.88	10.0	5	10/18/2024 13:32	WG2378140

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.741		0.0314	0.100	1	10/11/2024 21:16	WG2380369
(S) a,a,a-Trifluorotoluene(FID)	*86.8*			*78.0-120*		*10/11/2024 21:16*	WG2380369

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	3.68		0.0247	0.100	1	10/16/2024 00:32	WG2381337
(S) o-Terphenyl	*128*			*52.0-156*		*10/16/2024 00:32*	WG2381337

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	ND		10.0	1	10/04/2024 10:00	WG2374798

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	U		0.547	1.00	1	10/03/2024 18:50	WG2374336
Fluoride	U		0.0761	0.150	1	10/03/2024 18:50	WG2374336
Nitrate as (N)	U	Q	0.0884	0.100	1	10/03/2024 18:50	WG2374336
Nitrite as (N)	U	Q	0.0794	0.100	1	10/03/2024 18:50	WG2374336
Sulfate	U		0.637	5.00	1	10/03/2024 18:50	WG2374336

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	U		0.000180	0.00200	1	10/18/2024 02:05	WG2378140
Barium	0.000896	J	0.000381	0.00200	1	10/18/2024 02:05	WG2378140
Calcium	0.103	J	0.0936	1.00	1	10/18/2024 02:05	WG2378140
Chromium	U		0.00124	0.00200	1	10/18/2024 02:05	WG2378140
Iron	U		0.0281	0.100	1	10/18/2024 02:05	WG2378140
Lead	U		0.000849	0.00200	1	10/18/2024 02:05	WG2378140
Manganese	U		0.000704	0.00500	1	10/18/2024 02:05	WG2378140
Potassium	U		0.108	2.00	1	10/18/2024 02:05	WG2378140
Selenium	U		0.000300	0.00200	1	10/18/2024 02:05	WG2378140
Sodium	0.834	J	0.376	2.00	1	10/18/2024 02:05	WG2378140

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0605	J	0.0314	0.100	1	10/09/2024 13:29	WG2378676
(S) a,a,a-Trifluorotoluene(FID)	*102*			*78.0-120*		*10/09/2024 13:29*	WG2378676

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0512	J	0.0247	0.100	1	10/16/2024 00:52	WG2381337
(S) o-Terphenyl	*109*			*52.0-156*		*10/16/2024 00:52*	WG2381337

LB-LT-04
Collected date/time: 10/01/24 11:05
L1784264

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	ND		10.0	1	10/04/2024 10:00	WG2374798

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	0.675	J	0.547	1.00	1	10/03/2024 12:20	WG2374336
Fluoride	U		0.0761	0.150	1	10/03/2024 12:20	WG2374336
Nitrate as (N)	U	Q	0.0884	0.100	1	10/03/2024 12:20	WG2374336
Nitrite as (N)	U	Q	0.0794	0.100	1	10/03/2024 12:20	WG2374336
Sulfate	U		0.637	5.00	1	10/03/2024 12:20	WG2374336

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	U		0.000180	0.00200	1	10/18/2024 02:51	WG2378140
Barium	U		0.000381	0.00200	1	10/18/2024 02:51	WG2378140
Calcium	0.145	J	0.0936	1.00	1	10/18/2024 02:51	WG2378140
Chromium	U		0.00124	0.00200	1	10/18/2024 02:51	WG2378140
Iron	U		0.0281	0.100	1	10/18/2024 02:51	WG2378140
Lead	U		0.000849	0.00200	1	10/18/2024 02:51	WG2378140
Manganese	U		0.000704	0.00500	1	10/18/2024 02:51	WG2378140
Potassium	U		0.108	2.00	1	10/18/2024 02:51	WG2378140
Selenium	U		0.000300	0.00200	1	10/18/2024 02:51	WG2378140
Sodium	U		0.376	2.00	1	10/18/2024 02:51	WG2378140

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0786	B J	0.0314	0.100	1	10/09/2024 12:17	WG2378685
(S) a,a,a-Trifluorotoluene(FID)	*99.1*			*78.0-120*		*10/09/2024 12:17*	WG2378685

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0342	J	0.0247	0.100	1	10/15/2024 17:44	WG2381337
(S) o-Terphenyl	*115*			*52.0-156*		*10/15/2024 17:44*	WG2381337

TRIP BLANK-LT-01
Collected date/time: 10/01/24 00:00
L1784264

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 04:25	WG2379320
Benzene	U		0.0000941	0.00100	1	10/10/2024 04:25	WG2379320
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 04:25	WG2379320
Bromoform	U		0.000129	0.00100	1	10/10/2024 04:25	WG2379320
Bromomethane	U	C4	0.000605	0.00500	1	10/10/2024 04:25	WG2379320
Bromomethane	U	Q	0.000605	0.00500	1	10/16/2024 22:02	WG2383296
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 04:25	WG2379320
sec-Butylbenzene	U		0.000125	0.00100	1	10/10/2024 04:25	WG2379320
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 04:25	WG2379320
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 04:25	WG2379320
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 04:25	WG2379320
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 04:25	WG2379320
Chloroethane	U	C4	0.000192	0.00500	1	10/10/2024 04:25	WG2379320
Chloroethane	U	Q	0.000192	0.00500	1	10/16/2024 22:02	WG2383296
Chloroform	U		0.000111	0.00500	1	10/10/2024 04:25	WG2379320
Chloromethane	U	C4	0.000960	0.00250	1	10/10/2024 04:25	WG2379320
Chloromethane	U	Q	0.000960	0.00250	1	10/16/2024 22:02	WG2383296
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 04:25	WG2379320
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 04:25	WG2379320
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 04:25	WG2379320
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 04:25	WG2379320
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 04:25	WG2379320
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 04:25	WG2379320
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 04:25	WG2379320
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 04:25	WG2379320
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 04:25	WG2379320
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 04:25	WG2379320
Isopropylbenzene	U		0.000105	0.00100	1	10/10/2024 04:25	WG2379320
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 04:25	WG2379320
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 04:25	WG2379320
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 04:25	WG2379320
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 04:25	WG2379320
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 04:25	WG2379320
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/10/2024 04:25	WG2379320
Naphthalene	U		0.00100	0.00500	1	10/10/2024 04:25	WG2379320
n-Propylbenzene	U		0.0000993	0.00100	1	10/10/2024 04:25	WG2379320
Styrene	U		0.000118	0.00100	1	10/10/2024 04:25	WG2379320
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 04:25	WG2379320
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 04:25	WG2379320
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 04:25	WG2379320
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 04:25	WG2379320
Toluene	U		0.000278	0.00100	1	10/10/2024 04:25	WG2379320
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 04:25	WG2379320
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 04:25	WG2379320
Trichloroethene	U		0.000190	0.00100	1	10/10/2024 04:25	WG2379320
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 04:25	WG2379320
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 04:25	WG2379320
Vinyl chloride	U	C4	0.000234	0.00100	1	10/10/2024 04:25	WG2379320
Vinyl chloride	U	Q	0.000234	0.00100	1	10/16/2024 22:02	WG2383296
o-Xylene	U		0.000174	0.00100	1	10/10/2024 04:25	WG2379320
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 04:25	WG2379320
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 04:25	WG2379320
(S) Toluene-d8	*123*	J1		*80.0-120*		*10/10/2024 04:25*	WG2379320
(S) Toluene-d8	*103*			*80.0-120*		*10/16/2024 22:02*	WG2383296
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*10/10/2024 04:25*	WG2379320
(S) 4-Bromofluorobenzene	*92.2*			*77.0-126*		*10/16/2024 22:02*	WG2383296

Received by OCD: 6/12/2025 1:19:15 PM

TRIP BLANK-LT-01
Collected date/time: 10/01/24 00:00
L1784264

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
(S) 1,2-Dichloroethane-d4	*98.9*			*70.0-130*		*10/10/2024 04:25*	WG2379320
(S) 1,2-Dichloroethane-d4	*94.7*			*70.0-130*		*10/16/2024 22:02*	WG2383296

Released to Imaging: 6/17/2025 4:41:11 PM

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1570		50.0	1	10/05/2024 10:47	WG2375956

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	270		5.47	10.0	10	10/09/2024 16:54	WG2378628
Fluoride	0.650		0.0761	0.150	1	10/09/2024 16:43	WG2378628
Nitrate as (N)	U		0.0884	0.100	1	10/04/2024 01:44	WG2375326
Nitrite as (N)	U		0.0794	0.100	1	10/04/2024 01:44	WG2375326
Sulfate	16.1		0.637	5.00	1	10/09/2024 16:43	WG2378628

Sample Narrative:

L1784264-91 WG2375326: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.000837	J	0.000180	0.00200	1	10/18/2024 19:50	WG2378670
Barium	0.300		0.000381	0.00200	1	10/18/2024 19:50	WG2378670
Calcium	175	V	0.0936	1.00	1	10/18/2024 19:50	WG2378670
Chromium	U		0.00124	0.00200	1	10/18/2024 19:50	WG2378670
Iron	0.0660	J	0.0281	0.100	1	10/18/2024 19:50	WG2378670
Lead	0.00191	J	0.000849	0.00200	1	10/18/2024 19:50	WG2378670
Manganese	0.206		0.000704	0.00500	1	10/18/2024 19:50	WG2378670
Potassium	0.303	J	0.108	2.00	1	10/18/2024 19:50	WG2378670
Selenium	U		0.000300	0.00200	1	10/18/2024 19:50	WG2378670
Sodium	228	V	0.376	2.00	1	10/18/2024 19:50	WG2378670

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	11.3		0.628	2.00	20	10/10/2024 03:11	WG2379216
(S) a,a,a-Trifluorotoluene(FID)	*103*			*78.0-120*		*10/10/2024 03:11*	WG2379216

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		1.13	5.00	100	10/15/2024 16:38	WG2382529
Benzene	5.77		0.00941	0.100	100	10/15/2024 16:38	WG2382529
Bromodichloromethane	U		0.0136	0.100	100	10/15/2024 16:38	WG2382529
Bromoform	U		0.0129	0.100	100	10/15/2024 16:38	WG2382529
Bromomethane	U		0.0605	0.500	100	10/15/2024 16:38	WG2382529
n-Butylbenzene	U		0.0157	0.100	100	10/15/2024 16:38	WG2382529
sec-Butylbenzene	0.0183	J	0.0125	0.100	100	10/15/2024 16:38	WG2382529
Carbon disulfide	U		0.00962	0.100	100	10/15/2024 16:38	WG2382529
Carbon tetrachloride	U		0.0128	0.100	100	10/15/2024 16:38	WG2382529
Chlorobenzene	U		0.0116	0.100	100	10/15/2024 16:38	WG2382529
Chlorodibromomethane	U		0.0140	0.100	100	10/15/2024 16:38	WG2382529
Chloroethane	U		0.0192	0.500	100	10/15/2024 16:38	WG2382529
Chloroform	U		0.0111	0.500	100	10/15/2024 16:38	WG2382529
Chloromethane	U		0.0960	0.250	100	10/15/2024 16:38	WG2382529
1,2-Dibromoethane	U		0.0126	0.100	100	10/15/2024 16:38	WG2382529
1,1-Dichloroethane	U		0.0100	0.100	100	10/15/2024 16:38	WG2382529

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.00819	0.100	100	10/15/2024 16:38	WG2382529
1,1-Dichloroethene	U		0.0188	0.100	100	10/15/2024 16:38	WG2382529
cis-1,2-Dichloroethene	U		0.0126	0.100	100	10/15/2024 16:38	WG2382529
trans-1,2-Dichloroethene	U		0.0149	0.100	100	10/15/2024 16:38	WG2382529
1,2-Dichloropropane	U		0.0149	0.100	100	10/15/2024 16:38	WG2382529
cis-1,3-Dichloropropene	U		0.0111	0.100	100	10/15/2024 16:38	WG2382529
trans-1,3-Dichloropropene	U		0.0118	0.100	100	10/15/2024 16:38	WG2382529
Ethylbenzene	1.91		0.0137	0.100	100	10/15/2024 16:38	WG2382529
Isopropylbenzene	0.110		0.0105	0.100	100	10/15/2024 16:38	WG2382529
p-Isopropyltoluene	U		0.0120	0.100	100	10/15/2024 16:38	WG2382529
2-Butanone (MEK)	U		0.119	1.00	100	10/15/2024 16:38	WG2382529
2-Hexanone	U		0.0787	1.00	100	10/15/2024 16:38	WG2382529
Methylene Chloride	U		0.0430	0.500	100	10/15/2024 16:38	WG2382529
4-Methyl-2-pentanone (MIBK)	U		0.0478	1.00	100	10/15/2024 16:38	WG2382529
Methyl tert-butyl ether	0.165		0.0101	0.100	100	10/15/2024 16:38	WG2382529
Naphthalene	U	J4	0.100	0.500	100	10/15/2024 16:38	WG2382529
n-Propylbenzene	0.205		0.00993	0.100	100	10/15/2024 16:38	WG2382529
Styrene	U		0.0118	0.100	100	10/15/2024 16:38	WG2382529
tert-Butyl alcohol	U		0.406	0.500	100	10/15/2024 16:38	WG2382529
1,1,1,2-Tetrachloroethane	U		0.0147	0.100	100	10/15/2024 16:38	WG2382529
1,1,2,2-Tetrachloroethane	U		0.0133	0.100	100	10/15/2024 16:38	WG2382529
Tetrachloroethene	U		0.0300	0.100	100	10/15/2024 16:38	WG2382529
Toluene	0.0624	J	0.0278	0.100	100	10/15/2024 16:38	WG2382529
1,1,1-Trichloroethane	U		0.0149	0.100	100	10/15/2024 16:38	WG2382529
1,1,2-Trichloroethane	U		0.0158	0.100	100	10/15/2024 16:38	WG2382529
Trichloroethene	U		0.0190	0.100	100	10/15/2024 16:38	WG2382529
1,2,4-Trimethylbenzene	0.542		0.0322	0.100	100	10/15/2024 16:38	WG2382529
1,3,5-Trimethylbenzene	0.0109	J	0.0104	0.100	100	10/15/2024 16:38	WG2382529
Vinyl chloride	U		0.0234	0.100	100	10/15/2024 16:38	WG2382529
o-Xylene	U		0.0174	0.100	100	10/15/2024 16:38	WG2382529
m&p-Xylene	0.680		0.0430	0.200	100	10/15/2024 16:38	WG2382529
Xylenes, Total	0.680		0.0174	0.300	100	10/15/2024 16:38	WG2382529
(S) Toluene-d8	*105*			*80.0-120*		*10/15/2024 16:38*	WG2382529
(S) 4-Bromofluorobenzene	*95.4*			*77.0-126*		*10/15/2024 16:38*	WG2382529
(S) 1,2-Dichloroethane-d4	*119*			*70.0-130*		*10/15/2024 16:38*	WG2382529

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	2.01		0.0247	0.100	1	10/17/2024 00:02	WG2381934
(S) o-Terphenyl	*75.0*			*52.0-156*		*10/17/2024 00:02*	WG2381934

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4430		50.0	1	10/05/2024 10:47	WG2375956

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	284		5.47	10.0	10	10/09/2024 17:27	WG2378628
Fluoride	1.54		0.761	1.50	10	10/09/2024 17:27	WG2378628
Sulfate	2750		63.7	500	100	10/09/2024 17:37	WG2378628

Sample Narrative:

L1784264-92 WG2378628: Dilution due to matrix impact on instrumentation at lower dilution

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.0000700	0.000200	1	10/07/2024 13:24	WG2375347

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.692		0.0200	0.200	1	10/14/2024 12:24	WG2378120

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0102		0.000180	0.00200	1	10/18/2024 20:09	WG2378670
Barium	0.00983		0.000381	0.00200	1	10/18/2024 20:09	WG2378670
Cadmium	U		0.000150	0.00100	1	10/18/2024 20:09	WG2378670
Calcium	496		0.0936	1.00	1	10/18/2024 20:09	WG2378670
Chromium	0.00159	B J	0.00124	0.00200	1	10/18/2024 20:09	WG2378670
Cobalt	0.000126	J	0.0000596	0.00200	1	10/18/2024 20:09	WG2378670
Iron	0.546		0.0281	0.100	1	10/18/2024 20:09	WG2378670
Lead	U		0.000849	0.00200	1	10/18/2024 20:09	WG2378670
Manganese	0.0143		0.000704	0.00500	1	10/18/2024 20:09	WG2378670
Nickel	0.00248		0.000816	0.00200	1	10/18/2024 20:09	WG2378670
Potassium	1.65	J	0.108	2.00	1	10/18/2024 20:09	WG2378670
Selenium	0.00440		0.000300	0.00200	1	10/18/2024 20:09	WG2378670
Sodium	239		0.376	2.00	1	10/18/2024 20:09	WG2378670
Uranium	0.0428		0.0000789	0.00100	1	10/18/2024 20:09	WG2378670
Vanadium	0.0242		0.000664	0.00500	1	10/18/2024 20:09	WG2378670

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/10/2024 00:56	WG2379216
(S) a,a,a-Trifluorotoluene(FID)	*103*			*78.0-120*		*10/10/2024 00:56*	WG2379216

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		0.0113	0.0500	1	10/10/2024 20:53	WG2379836
Benzene	U		0.0000941	0.00100	1	10/10/2024 20:53	WG2379836
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 20:53	WG2379836
Bromoform	U		0.000129	0.00100	1	10/10/2024 20:53	WG2379836
Bromomethane	U		0.000605	0.00500	1	10/10/2024 20:53	WG2379836
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 20:53	WG2379836
sec-Butylbenzene	U		0.000125	0.00100	1	10/10/2024 20:53	WG2379836
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 20:53	WG2379836
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 20:53	WG2379836
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 20:53	WG2379836
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 20:53	WG2379836
Chloroethane	U		0.000192	0.00500	1	10/10/2024 20:53	WG2379836
Chloroform	U		0.000111	0.00500	1	10/10/2024 20:53	WG2379836
Chloromethane	U		0.000960	0.00250	1	10/10/2024 20:53	WG2379836
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 20:53	WG2379836
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 20:53	WG2379836
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 20:53	WG2379836
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 20:53	WG2379836
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 20:53	WG2379836
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 20:53	WG2379836
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 20:53	WG2379836
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 20:53	WG2379836
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 20:53	WG2379836
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 20:53	WG2379836
Isopropylbenzene	U		0.000105	0.00100	1	10/10/2024 20:53	WG2379836
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 20:53	WG2379836
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 20:53	WG2379836
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 20:53	WG2379836
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 20:53	WG2379836
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 20:53	WG2379836
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/15/2024 00:13	WG2382022
Naphthalene	U		0.00100	0.00500	1	10/10/2024 20:53	WG2379836
n-Propylbenzene	U		0.0000993	0.00100	1	10/10/2024 20:53	WG2379836
Styrene	U		0.000118	0.00100	1	10/10/2024 20:53	WG2379836
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 20:53	WG2379836
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 20:53	WG2379836
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 20:53	WG2379836
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 20:53	WG2379836
Toluene	U		0.000278	0.00100	1	10/10/2024 20:53	WG2379836
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 20:53	WG2379836
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 20:53	WG2379836
Trichloroethene	U		0.000190	0.00100	1	10/10/2024 20:53	WG2379836
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 20:53	WG2379836
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 20:53	WG2379836
Vinyl chloride	U		0.000234	0.00100	1	10/10/2024 20:53	WG2379836
o-Xylene	U		0.000174	0.00100	1	10/10/2024 20:53	WG2379836
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 20:53	WG2379836
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 20:53	WG2379836
(S) Toluene-d8	*105*			*80.0-120*		*10/10/2024 20:53*	WG2379836
(S) Toluene-d8	*101*			*80.0-120*		*10/15/2024 00:13*	WG2382022
(S) 4-Bromofluorobenzene	*84.1*			*77.0-126*		*10/10/2024 20:53*	WG2379836
(S) 4-Bromofluorobenzene	*93.1*			*77.0-126*		*10/15/2024 00:13*	WG2382022
(S) 1,2-Dichloroethane-d4	*91.8*			*70.0-130*		*10/10/2024 20:53*	WG2379836
(S) 1,2-Dichloroethane-d4	*100*			*70.0-130*		*10/15/2024 00:13*	WG2382022

MW-134
Collected date/time: 10/02/24 08:55
L1784264

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) High Fraction	0.109		0.0247	0.100	1	10/17/2024 06:41	WG2382578
(S) o-Terphenyl	*125*			*52.0-156*		*10/17/2024 06:41*	WG2382578

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.226	1.00	20	10/10/2024 22:14	WG2379836
Benzene	0.00280	J	0.00188	0.0200	20	10/10/2024 22:14	WG2379836
Bromodichloromethane	U		0.00272	0.0200	20	10/10/2024 22:14	WG2379836
Bromoform	U		0.00258	0.0200	20	10/10/2024 22:14	WG2379836
Bromomethane	U		0.0121	0.100	20	10/10/2024 22:14	WG2379836
n-Butylbenzene	U		0.00314	0.0200	20	10/10/2024 22:14	WG2379836
sec-Butylbenzene	U		0.00250	0.0200	20	10/10/2024 22:14	WG2379836
Carbon disulfide	U		0.00192	0.0200	20	10/10/2024 22:14	WG2379836
Carbon tetrachloride	U		0.00256	0.0200	20	10/10/2024 22:14	WG2379836
Chlorobenzene	U		0.00232	0.0200	20	10/10/2024 22:14	WG2379836
Chlorodibromomethane	U		0.00280	0.0200	20	10/10/2024 22:14	WG2379836
Chloroethane	U		0.00384	0.100	20	10/10/2024 22:14	WG2379836
Chloroform	U		0.00222	0.100	20	10/10/2024 22:14	WG2379836
Chloromethane	U		0.0192	0.0500	20	10/10/2024 22:14	WG2379836
1,2-Dibromoethane	U		0.00252	0.0200	20	10/10/2024 22:14	WG2379836
1,1-Dichloroethane	U		0.00200	0.0200	20	10/10/2024 22:14	WG2379836
1,2-Dichloroethane	U		0.00164	0.0200	20	10/10/2024 22:14	WG2379836
1,1-Dichloroethene	U		0.00376	0.0200	20	10/10/2024 22:14	WG2379836
cis-1,2-Dichloroethene	U		0.00252	0.0200	20	10/10/2024 22:14	WG2379836
trans-1,2-Dichloroethene	U		0.00298	0.0200	20	10/10/2024 22:14	WG2379836
1,2-Dichloropropane	U		0.00298	0.0200	20	10/10/2024 22:14	WG2379836
cis-1,3-Dichloropropene	U		0.00222	0.0200	20	10/10/2024 22:14	WG2379836
trans-1,3-Dichloropropene	U		0.00236	0.0200	20	10/10/2024 22:14	WG2379836
Ethylbenzene	U		0.00274	0.0200	20	10/10/2024 22:14	WG2379836
Isopropylbenzene	U		0.00210	0.0200	20	10/10/2024 22:14	WG2379836
p-Isopropyltoluene	U		0.00240	0.0200	20	10/10/2024 22:14	WG2379836
2-Butanone (MEK)	U		0.0238	0.200	20	10/10/2024 22:14	WG2379836
2-Hexanone	U		0.0157	0.200	20	10/10/2024 22:14	WG2379836
Methylene Chloride	U		0.00860	0.100	20	10/10/2024 22:14	WG2379836
4-Methyl-2-pentanone (MIBK)	U		0.00956	0.200	20	10/10/2024 22:14	WG2379836
Methyl tert-butyl ether	0.773		0.00202	0.0200	20	10/10/2024 22:14	WG2379836
Naphthalene	U		0.0200	0.100	20	10/10/2024 22:14	WG2379836
n-Propylbenzene	U		0.00199	0.0200	20	10/10/2024 22:14	WG2379836
Styrene	U		0.00236	0.0200	20	10/10/2024 22:14	WG2379836
tert-Butyl alcohol	U		0.0812	0.100	20	10/10/2024 22:14	WG2379836
1,1,1,2-Tetrachloroethane	U		0.00294	0.0200	20	10/10/2024 22:14	WG2379836
1,1,2,2-Tetrachloroethane	U		0.00266	0.0200	20	10/10/2024 22:14	WG2379836
Tetrachloroethene	U		0.00600	0.0200	20	10/10/2024 22:14	WG2379836
Toluene	U		0.00556	0.0200	20	10/10/2024 22:14	WG2379836
1,1,1-Trichloroethane	U		0.00298	0.0200	20	10/10/2024 22:14	WG2379836
1,1,2-Trichloroethane	U		0.00316	0.0200	20	10/10/2024 22:14	WG2379836
Trichloroethene	U		0.00380	0.0200	20	10/10/2024 22:14	WG2379836
1,2,4-Trimethylbenzene	U		0.00644	0.0200	20	10/10/2024 22:14	WG2379836
1,3,5-Trimethylbenzene	U		0.00208	0.0200	20	10/10/2024 22:14	WG2379836
Vinyl chloride	U		0.00468	0.0200	20	10/10/2024 22:14	WG2379836
o-Xylene	U		0.00348	0.0200	20	10/10/2024 22:14	WG2379836
m&p-Xylene	U		0.00860	0.0400	20	10/10/2024 22:14	WG2379836
Xylenes, Total	U		0.00348	0.0600	20	10/10/2024 22:14	WG2379836
(S) Toluene-d8	*111*			*80.0-120*		*10/10/2024 22:14*	WG2379836
(S) 4-Bromofluorobenzene	*89.5*			*77.0-126*		*10/10/2024 22:14*	WG2379836
(S) 1,2-Dichloroethane-d4	*96.6*			*70.0-130*		*10/10/2024 22:14*	WG2379836

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1570		50.0	1	10/05/2024 10:47	WG2375956

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	267		5.47	10.0	10	10/09/2024 17:59	WG2378628
Fluoride	0.633		0.0761	0.150	1	10/09/2024 17:48	WG2378628
Nitrate as (N)	U		0.0884	0.100	1	10/04/2024 02:50	WG2375326
Nitrite as (N)	U		0.0794	0.100	1	10/04/2024 02:50	WG2375326
Sulfate	11.7		0.637	5.00	1	10/09/2024 17:48	WG2378628

Sample Narrative:

L1784264-94 WG2375326: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.000969	J	0.000180	0.00200	1	10/18/2024 20:12	WG2378670
Barium	0.301		0.000381	0.00200	1	10/18/2024 20:12	WG2378670
Calcium	174		0.0936	1.00	1	10/18/2024 20:12	WG2378670
Chromium	U		0.00124	0.00200	1	10/18/2024 20:12	WG2378670
Iron	0.0366	J	0.0281	0.100	1	10/18/2024 20:12	WG2378670
Lead	0.00189	J	0.000849	0.00200	1	10/18/2024 20:12	WG2378670
Manganese	0.201		0.000704	0.00500	1	10/18/2024 20:12	WG2378670
Potassium	0.289	J	0.108	2.00	1	10/18/2024 20:12	WG2378670
Selenium	U		0.000300	0.00200	1	10/18/2024 20:12	WG2378670
Sodium	231		0.376	2.00	1	10/18/2024 20:12	WG2378670

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	11.7		0.628	2.00	20	10/10/2024 03:34	WG2379216
(S) a,a,a-Trifluorotoluene(FID)	*104*			*78.0-120*		*10/10/2024 03:34*	WG2379216

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.226	1.00	20	10/10/2024 22:34	WG2379836
Benzene	6.19		0.0235	0.250	250	10/15/2024 00:54	WG2382022
Bromodichloromethane	U		0.00272	0.0200	20	10/10/2024 22:34	WG2379836
Bromoform	U		0.00258	0.0200	20	10/10/2024 22:34	WG2379836
Bromomethane	U		0.0121	0.100	20	10/10/2024 22:34	WG2379836
n-Butylbenzene	0.00833	J	0.00314	0.0200	20	10/10/2024 22:34	WG2379836
sec-Butylbenzene	0.0167	J	0.00250	0.0200	20	10/10/2024 22:34	WG2379836
Carbon disulfide	U		0.00192	0.0200	20	10/10/2024 22:34	WG2379836
Carbon tetrachloride	U		0.00256	0.0200	20	10/10/2024 22:34	WG2379836
Chlorobenzene	U		0.00232	0.0200	20	10/10/2024 22:34	WG2379836
Chlorodibromomethane	U		0.00280	0.0200	20	10/10/2024 22:34	WG2379836
Chloroethane	U		0.00384	0.100	20	10/10/2024 22:34	WG2379836
Chloroform	U		0.00222	0.100	20	10/10/2024 22:34	WG2379836
Chloromethane	U		0.0192	0.0500	20	10/10/2024 22:34	WG2379836
1,2-Dibromoethane	U		0.00252	0.0200	20	10/10/2024 22:34	WG2379836
1,1-Dichloroethane	U		0.00200	0.0200	20	10/10/2024 22:34	WG2379836

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.00164	0.0200	20	10/10/2024 22:34	WG2379836
1,1-Dichloroethene	U		0.00376	0.0200	20	10/10/2024 22:34	WG2379836
cis-1,2-Dichloroethene	U		0.00252	0.0200	20	10/10/2024 22:34	WG2379836
trans-1,2-Dichloroethene	U		0.00298	0.0200	20	10/10/2024 22:34	WG2379836
1,2-Dichloropropane	U		0.00298	0.0200	20	10/10/2024 22:34	WG2379836
cis-1,3-Dichloropropene	U		0.00222	0.0200	20	10/10/2024 22:34	WG2379836
trans-1,3-Dichloropropene	U		0.00236	0.0200	20	10/10/2024 22:34	WG2379836
Ethylbenzene	1.76		0.00274	0.0200	20	10/10/2024 22:34	WG2379836
Isopropylbenzene	0.0854		0.00210	0.0200	20	10/10/2024 22:34	WG2379836
p-Isopropyltoluene	0.0133	J	0.00240	0.0200	20	10/10/2024 22:34	WG2379836
2-Butanone (MEK)	U		0.0238	0.200	20	10/10/2024 22:34	WG2379836
2-Hexanone	U		0.0157	0.200	20	10/10/2024 22:34	WG2379836
Methylene Chloride	U		0.00860	0.100	20	10/10/2024 22:34	WG2379836
4-Methyl-2-pentanone (MIBK)	U		0.00956	0.200	20	10/10/2024 22:34	WG2379836
Methyl tert-butyl ether	0.144		0.00202	0.0200	20	10/10/2024 22:34	WG2379836
Naphthalene	0.148		0.0200	0.100	20	10/10/2024 22:34	WG2379836
n-Propylbenzene	0.157		0.00199	0.0200	20	10/10/2024 22:34	WG2379836
Styrene	U		0.00236	0.0200	20	10/10/2024 22:34	WG2379836
tert-Butyl alcohol	U		0.0812	0.100	20	10/10/2024 22:34	WG2379836
1,1,1,2-Tetrachloroethane	U		0.00294	0.0200	20	10/10/2024 22:34	WG2379836
1,1,2,2-Tetrachloroethane	U		0.00266	0.0200	20	10/10/2024 22:34	WG2379836
Tetrachloroethene	U		0.00600	0.0200	20	10/10/2024 22:34	WG2379836
Toluene	0.0534		0.00556	0.0200	20	10/10/2024 22:34	WG2379836
1,1,1-Trichloroethane	U		0.00298	0.0200	20	10/10/2024 22:34	WG2379836
1,1,2-Trichloroethane	U		0.00316	0.0200	20	10/10/2024 22:34	WG2379836
Trichloroethene	U		0.00380	0.0200	20	10/10/2024 22:34	WG2379836
1,2,4-Trimethylbenzene	0.485		0.00644	0.0200	20	10/10/2024 22:34	WG2379836
1,3,5-Trimethylbenzene	U		0.00208	0.0200	20	10/10/2024 22:34	WG2379836
Vinyl chloride	U		0.00468	0.0200	20	10/10/2024 22:34	WG2379836
o-Xylene	U		0.00348	0.0200	20	10/10/2024 22:34	WG2379836
m&p-Xylene	0.640		0.00860	0.0400	20	10/10/2024 22:34	WG2379836
Xylenes, Total	0.640		0.00348	0.0600	20	10/10/2024 22:34	WG2379836
(S) Toluene-d8	*88.8*			*80.0-120*		*10/10/2024 22:34*	WG2379836
(S) Toluene-d8	*99.9*			*80.0-120*		*10/15/2024 00:54*	WG2382022
(S) 4-Bromofluorobenzene	*81.5*			*77.0-126*		*10/10/2024 22:34*	WG2379836
(S) 4-Bromofluorobenzene	*93.3*			*77.0-126*		*10/15/2024 00:54*	WG2382022
(S) 1,2-Dichloroethane-d4	*88.8*			*70.0-130*		*10/10/2024 22:34*	WG2379836
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*10/15/2024 00:54*	WG2382022

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	3.24		0.0247	0.100	1	10/17/2024 07:01	WG2382578
(S) o-Terphenyl	*117*			*52.0-156*		*10/17/2024 07:01*	WG2382578

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	ND		10.0	1	10/05/2024 08:00	WG2375968

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	U		0.547	1.00	1	10/09/2024 18:10	WG2378628
Fluoride	0.0848	J	0.0761	0.150	1	10/09/2024 18:10	WG2378628
Nitrate as (N)	0.0964	J	0.0884	0.100	1	10/04/2024 03:12	WG2375326
Nitrite as (N)	U		0.0794	0.100	1	10/04/2024 03:12	WG2375326
Sulfate	U		0.637	5.00	1	10/09/2024 18:10	WG2378628

Sample Narrative:

L1784264-95 WG2375326: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	U		0.000180	0.00200	1	10/18/2024 20:52	WG2378670
Barium	U		0.000381	0.00200	1	10/18/2024 20:52	WG2378670
Calcium	U		0.0936	1.00	1	10/18/2024 20:52	WG2378670
Chromium	U		0.00124	0.00200	1	10/18/2024 20:52	WG2378670
Iron	U		0.0281	0.100	1	10/18/2024 20:52	WG2378670
Lead	U		0.000849	0.00200	1	10/18/2024 20:52	WG2378670
Manganese	U		0.000704	0.00500	1	10/18/2024 20:52	WG2378670
Potassium	U		0.108	2.00	1	10/18/2024 20:52	WG2378670
Selenium	U		0.000300	0.00200	1	10/18/2024 20:52	WG2378670
Sodium	U		0.376	2.00	1	10/18/2024 20:52	WG2378670

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/09/2024 23:24	WG2379216
(S) a,a,a-Trifluorotoluene(FID)	*105*			*78.0-120*		*10/09/2024 23:24*	WG2379216

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 18:50	WG2379836
Benzene	U		0.0000941	0.00100	1	10/10/2024 18:50	WG2379836
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 18:50	WG2379836
Bromoform	U		0.000129	0.00100	1	10/10/2024 18:50	WG2379836
Bromomethane	U		0.000605	0.00500	1	10/10/2024 18:50	WG2379836
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 18:50	WG2379836
sec-Butylbenzene	U		0.000125	0.00100	1	10/10/2024 18:50	WG2379836
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 18:50	WG2379836
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 18:50	WG2379836
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 18:50	WG2379836
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 18:50	WG2379836
Chloroethane	U		0.000192	0.00500	1	10/10/2024 18:50	WG2379836
Chloroform	U		0.000111	0.00500	1	10/10/2024 18:50	WG2379836
Chloromethane	U		0.000960	0.00250	1	10/10/2024 18:50	WG2379836
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 18:50	WG2379836
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 18:50	WG2379836

LB-REST-01
Collected date/time: 10/02/24 11:25
L1784264

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 18:50	WG2379836
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 18:50	WG2379836
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 18:50	WG2379836
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 18:50	WG2379836
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 18:50	WG2379836
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 18:50	WG2379836
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 18:50	WG2379836
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 18:50	WG2379836
Isopropylbenzene	U		0.000105	0.00100	1	10/10/2024 18:50	WG2379836
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 18:50	WG2379836
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 18:50	WG2379836
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 18:50	WG2379836
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 18:50	WG2379836
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 18:50	WG2379836
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/10/2024 18:50	WG2379836
Naphthalene	U		0.00100	0.00500	1	10/10/2024 18:50	WG2379836
n-Propylbenzene	U		0.0000993	0.00100	1	10/10/2024 18:50	WG2379836
Styrene	U		0.000118	0.00100	1	10/10/2024 18:50	WG2379836
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 18:50	WG2379836
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 18:50	WG2379836
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 18:50	WG2379836
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 18:50	WG2379836
Toluene	U		0.000278	0.00100	1	10/10/2024 18:50	WG2379836
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 18:50	WG2379836
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 18:50	WG2379836
Trichloroethene	U		0.000190	0.00100	1	10/10/2024 18:50	WG2379836
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 18:50	WG2379836
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 18:50	WG2379836
Vinyl chloride	U		0.000234	0.00100	1	10/10/2024 18:50	WG2379836
o-Xylene	U		0.000174	0.00100	1	10/10/2024 18:50	WG2379836
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 18:50	WG2379836
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 18:50	WG2379836
(S) Toluene-d8	*107*			*80.0-120*		*10/10/2024 18:50*	WG2379836
(S) 4-Bromofluorobenzene	*86.4*			*77.0-126*		*10/10/2024 18:50*	WG2379836
(S) 1,2-Dichloroethane-d4	*92.9*			*70.0-130*		*10/10/2024 18:50*	WG2379836

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	10/17/2024 07:22	WG2382578
(S) o-Terphenyl	*115*			*52.0-156*		*10/17/2024 07:22*	WG2382578

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	ND		10.0	1	10/05/2024 08:00	WG2375968

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	U		0.547	1.00	1	10/09/2024 18:21	WG2378628
Fluoride	0.0857	J	0.0761	0.150	1	10/09/2024 18:21	WG2378628
Nitrate as (N)	U		0.0884	0.100	1	10/04/2024 03:44	WG2375326
Nitrite as (N)	U		0.0794	0.100	1	10/04/2024 03:44	WG2375326
Sulfate	U		0.637	5.00	1	10/09/2024 18:21	WG2378628

Sample Narrative:

L1784264-96 WG2375326: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.0000700	0.000200	1	10/07/2024 13:27	WG2375347

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.0231	J	0.0200	0.200	1	10/14/2024 11:59	WG2378120

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	U		0.000180	0.00200	1	10/18/2024 20:55	WG2378670
Barium	0.000437	J	0.000381	0.00200	1	10/18/2024 20:55	WG2378670
Cadmium	U		0.000150	0.00100	1	10/18/2024 20:55	WG2378670
Calcium	0.167	J	0.0936	1.00	1	10/18/2024 20:55	WG2378670
Chromium	U		0.00124	0.00200	1	10/18/2024 20:55	WG2378670
Cobalt	U		0.0000596	0.00200	1	10/18/2024 20:55	WG2378670
Iron	U		0.0281	0.100	1	10/18/2024 20:55	WG2378670
Lead	U		0.000849	0.00200	1	10/18/2024 20:55	WG2378670
Manganese	U		0.000704	0.00500	1	10/18/2024 20:55	WG2378670
Nickel	U		0.000816	0.00200	1	10/18/2024 20:55	WG2378670
Potassium	0.120	J	0.108	2.00	1	10/18/2024 20:55	WG2378670
Selenium	U		0.000300	0.00200	1	10/18/2024 20:55	WG2378670
Sodium	0.996	J	0.376	2.00	1	10/18/2024 20:55	WG2378670
Uranium	U		0.0000789	0.00100	1	10/18/2024 20:55	WG2378670
Vanadium	U		0.000664	0.00500	1	10/18/2024 20:55	WG2378670

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/09/2024 23:47	WG2379216
(S) a,a,a-Trifluorotoluene(FID)	*105*			*78.0-120*		*10/09/2024 23:47*	WG2379216

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 19:10	WG2379836
Benzene	U		0.0000941	0.00100	1	10/10/2024 19:10	WG2379836
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 19:10	WG2379836
Bromoform	U		0.000129	0.00100	1	10/10/2024 19:10	WG2379836
Bromomethane	U		0.000605	0.00500	1	10/10/2024 19:10	WG2379836
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 19:10	WG2379836
sec-Butylbenzene	U		0.000125	0.00100	1	10/10/2024 19:10	WG2379836
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 19:10	WG2379836
Carbon tetrachloride	0.000351	J	0.000128	0.00100	1	10/10/2024 19:10	WG2379836
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 19:10	WG2379836
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 19:10	WG2379836
Chloroethane	U		0.000192	0.00500	1	10/10/2024 19:10	WG2379836
Chloroform	0.00173	J	0.000111	0.00500	1	10/10/2024 19:10	WG2379836
Chloromethane	U		0.000960	0.00250	1	10/10/2024 19:10	WG2379836
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 19:10	WG2379836
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 19:10	WG2379836
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 19:10	WG2379836
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 19:10	WG2379836
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 19:10	WG2379836
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 19:10	WG2379836
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 19:10	WG2379836
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 19:10	WG2379836
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 19:10	WG2379836
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 19:10	WG2379836
Isopropylbenzene	U		0.000105	0.00100	1	10/10/2024 19:10	WG2379836
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 19:10	WG2379836
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 19:10	WG2379836
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 19:10	WG2379836
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 19:10	WG2379836
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 19:10	WG2379836
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/10/2024 19:10	WG2379836
Naphthalene	U		0.00100	0.00500	1	10/10/2024 19:10	WG2379836
n-Propylbenzene	U		0.0000993	0.00100	1	10/10/2024 19:10	WG2379836
Styrene	U		0.000118	0.00100	1	10/10/2024 19:10	WG2379836
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 19:10	WG2379836
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 19:10	WG2379836
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 19:10	WG2379836
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 19:10	WG2379836
Toluene	U		0.000278	0.00100	1	10/10/2024 19:10	WG2379836
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 19:10	WG2379836
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 19:10	WG2379836
Trichloroethene	U		0.000190	0.00100	1	10/10/2024 19:10	WG2379836
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 19:10	WG2379836
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 19:10	WG2379836
Vinyl chloride	U		0.000234	0.00100	1	10/10/2024 19:10	WG2379836
o-Xylene	U		0.000174	0.00100	1	10/10/2024 19:10	WG2379836
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 19:10	WG2379836
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 19:10	WG2379836
(S) Toluene-d8	*108*			*80.0-120*		*10/10/2024 19:10*	WG2379836
(S) 4-Bromofluorobenzene	*87.8*			*77.0-126*		*10/10/2024 19:10*	WG2379836
(S) 1,2-Dichloroethane-d4	*94.9*			*70.0-130*		*10/10/2024 19:10*	WG2379836

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	10/17/2024 07:43	WG2382578

Received by OCD: 6/12/2025 1:19:15 PM

LB-RESI-03
Collected date/time: 10/02/24 09:15
L1784264

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
(S) o-Terphenyl	*130*			*52.0-156*		*10/17/2024 07:43*	WG2382578

Released to Imaging: 6/17/2025 4:41:11 PM

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1410		20.0	1	10/05/2024 10:47	WG2375956

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	92.8		0.547	1.00	1	10/09/2024 18:32	WG2378628
Fluoride	1.82		0.0761	0.150	1	10/09/2024 18:32	WG2378628
Nitrate as (N)	U		0.442	0.500	5	10/04/2024 03:55	WG2375326
Nitrite as (N)	U		0.397	0.500	5	10/04/2024 03:55	WG2375326
Sulfate	781		3.18	25.0	5	10/09/2024 18:43	WG2378628

Sample Narrative:

L1784264-97 WG2375326: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00597		0.000180	0.00200	1	10/18/2024 20:58	WG2378670
Barium	0.0314		0.000381	0.00200	1	10/18/2024 20:58	WG2378670
Calcium	200		0.0936	1.00	1	10/18/2024 20:58	WG2378670
Chromium	U		0.00124	0.00200	1	10/18/2024 20:58	WG2378670
Iron	U		0.0281	0.100	1	10/18/2024 20:58	WG2378670
Lead	U		0.000849	0.00200	1	10/18/2024 20:58	WG2378670
Manganese	0.0153		0.000704	0.00500	1	10/18/2024 20:58	WG2378670
Potassium	4.93		0.108	2.00	1	10/18/2024 20:58	WG2378670
Selenium	0.000378	J	0.000300	0.00200	1	10/18/2024 20:58	WG2378670
Sodium	130		0.376	2.00	1	10/18/2024 20:58	WG2378670

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	1.21		0.0314	0.100	1	10/10/2024 01:18	WG2379216
(S) a,a,a-Trifluorotoluene(FID)	*101*			*78.0-120*		*10/10/2024 01:18*	WG2379216

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 21:13	WG2379836
Benzene	0.0341		0.0000941	0.00100	1	10/10/2024 21:13	WG2379836
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 21:13	WG2379836
Bromoform	U		0.000129	0.00100	1	10/10/2024 21:13	WG2379836
Bromomethane	U		0.000605	0.00500	1	10/10/2024 21:13	WG2379836
n-Butylbenzene	0.000747	J	0.000157	0.00100	1	10/10/2024 21:13	WG2379836
sec-Butylbenzene	0.0358		0.000125	0.00100	1	10/10/2024 21:13	WG2379836
Carbon disulfide	0.000862	J	0.0000962	0.00100	1	10/10/2024 21:13	WG2379836
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 21:13	WG2379836
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 21:13	WG2379836
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 21:13	WG2379836
Chloroethane	U		0.000192	0.00500	1	10/10/2024 21:13	WG2379836
Chloroform	U		0.000111	0.00500	1	10/10/2024 21:13	WG2379836
Chloromethane	U		0.000960	0.00250	1	10/10/2024 21:13	WG2379836
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 21:13	WG2379836
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 21:13	WG2379836

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 21:13	WG2379836
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 21:13	WG2379836
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 21:13	WG2379836
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 21:13	WG2379836
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 21:13	WG2379836
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 21:13	WG2379836
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 21:13	WG2379836
Ethylbenzene	0.00330		0.000137	0.00100	1	10/10/2024 21:13	WG2379836
Isopropylbenzene	0.0858		0.000105	0.00100	1	10/10/2024 21:13	WG2379836
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 21:13	WG2379836
2-Butanone (MEK)	0.0148		0.00119	0.0100	1	10/10/2024 21:13	WG2379836
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 21:13	WG2379836
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 21:13	WG2379836
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 21:13	WG2379836
Methyl tert-butyl ether	0.000679	J	0.000101	0.00100	1	10/10/2024 21:13	WG2379836
Naphthalene	U		0.00100	0.00500	1	10/10/2024 21:13	WG2379836
n-Propylbenzene	0.0333		0.0000993	0.00100	1	10/10/2024 21:13	WG2379836
Styrene	U		0.000118	0.00100	1	10/10/2024 21:13	WG2379836
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 21:13	WG2379836
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 21:13	WG2379836
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 21:13	WG2379836
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 21:13	WG2379836
Toluene	0.000817	J	0.000278	0.00100	1	10/10/2024 21:13	WG2379836
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 21:13	WG2379836
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 21:13	WG2379836
Trichloroethene	U		0.000190	0.00100	1	10/10/2024 21:13	WG2379836
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 21:13	WG2379836
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 21:13	WG2379836
Vinyl chloride	U		0.000234	0.00100	1	10/10/2024 21:13	WG2379836
o-Xylene	U		0.000174	0.00100	1	10/10/2024 21:13	WG2379836
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 21:13	WG2379836
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 21:13	WG2379836
(S) Toluene-d8	*108*			*80.0-120*		*10/10/2024 21:13*	WG2379836
(S) 4-Bromofluorobenzene	*96.3*			*77.0-126*		*10/10/2024 21:13*	WG2379836
(S) 1,2-Dichloroethane-d4	*89.7*			*70.0-130*		*10/10/2024 21:13*	WG2379836

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1.09		0.0247	0.100	1	10/17/2024 08:03	WG2382578
(S) o-Terphenyl	*124*			*52.0-156*		*10/17/2024 08:03*	WG2382578

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1540		50.0	1	10/05/2024 10:47	WG2375956

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	274		5.47	10.0	10	10/09/2024 19:05	WG2378628
Fluoride	0.756		0.0761	0.150	1	10/09/2024 18:54	WG2378628
Nitrate as (N)	U		0.0884	0.100	1	10/04/2024 04:17	WG2375326
Nitrite as (N)	U		0.0794	0.100	1	10/04/2024 04:17	WG2375326
Sulfate	6.30		0.637	5.00	1	10/09/2024 18:54	WG2378628

Sample Narrative:

L1784264-98 WG2375326: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0265		0.000180	0.00200	1	10/18/2024 21:05	WG2378670
Barium	1.97		0.000381	0.00200	1	10/18/2024 21:05	WG2378670
Calcium	88.8		0.0936	1.00	1	10/18/2024 21:05	WG2378670
Chromium	U		0.00124	0.00200	1	10/18/2024 21:05	WG2378670
Iron	U		0.0281	0.100	1	10/18/2024 21:05	WG2378670
Lead	U		0.000849	0.00200	1	10/18/2024 21:05	WG2378670
Manganese	0.0609		0.000704	0.00500	1	10/18/2024 21:05	WG2378670
Potassium	0.549	J	0.108	2.00	1	10/18/2024 21:05	WG2378670
Selenium	U		0.000300	0.00200	1	10/18/2024 21:05	WG2378670
Sodium	346		0.376	2.00	1	10/18/2024 21:05	WG2378670

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	45.9		0.785	2.50	25	10/10/2024 03:57	WG2379216
(S) a,a,a-Trifluorotoluene(FID)	*103*			*78.0-120*		*10/10/2024 03:57*	WG2379216

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		5.65	25.0	500	10/10/2024 22:54	WG2379836
Benzene	24.6		0.0471	0.500	500	10/10/2024 22:54	WG2379836
Bromodichloromethane	U		0.0680	0.500	500	10/10/2024 22:54	WG2379836
Bromoform	U		0.0645	0.500	500	10/10/2024 22:54	WG2379836
Bromomethane	U		0.303	2.50	500	10/10/2024 22:54	WG2379836
n-Butylbenzene	U		0.0785	0.500	500	10/10/2024 22:54	WG2379836
sec-Butylbenzene	U		0.0625	0.500	500	10/10/2024 22:54	WG2379836
Carbon disulfide	U		0.0481	0.500	500	10/10/2024 22:54	WG2379836
Carbon tetrachloride	U		0.0640	0.500	500	10/10/2024 22:54	WG2379836
Chlorobenzene	U		0.0580	0.500	500	10/10/2024 22:54	WG2379836
Chlorodibromomethane	U		0.0700	0.500	500	10/10/2024 22:54	WG2379836
Chloroethane	U		0.0960	2.50	500	10/10/2024 22:54	WG2379836
Chloroform	U		0.0555	2.50	500	10/10/2024 22:54	WG2379836
Chloromethane	U		0.480	1.25	500	10/10/2024 22:54	WG2379836
1,2-Dibromoethane	U		0.0630	0.500	500	10/10/2024 22:54	WG2379836
1,1-Dichloroethane	U		0.0500	0.500	500	10/10/2024 22:54	WG2379836

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0409	0.500	500	10/10/2024 22:54	WG2379836
1,1-Dichloroethene	U		0.0940	0.500	500	10/10/2024 22:54	WG2379836
cis-1,2-Dichloroethene	U		0.0630	0.500	500	10/10/2024 22:54	WG2379836
trans-1,2-Dichloroethene	U		0.0745	0.500	500	10/10/2024 22:54	WG2379836
1,2-Dichloropropane	U		0.0745	0.500	500	10/10/2024 22:54	WG2379836
cis-1,3-Dichloropropene	U		0.0555	0.500	500	10/10/2024 22:54	WG2379836
trans-1,3-Dichloropropene	U		0.0590	0.500	500	10/10/2024 22:54	WG2379836
Ethylbenzene	1.84		0.0685	0.500	500	10/10/2024 22:54	WG2379836
Isopropylbenzene	U		0.0525	0.500	500	10/10/2024 22:54	WG2379836
p-Isopropyltoluene	U		0.0600	0.500	500	10/10/2024 22:54	WG2379836
2-Butanone (MEK)	U		0.595	5.00	500	10/10/2024 22:54	WG2379836
2-Hexanone	U		0.394	5.00	500	10/10/2024 22:54	WG2379836
Methylene Chloride	U		0.215	2.50	500	10/10/2024 22:54	WG2379836
4-Methyl-2-pentanone (MIBK)	U		0.239	5.00	500	10/10/2024 22:54	WG2379836
Methyl tert-butyl ether	0.389	J	0.0505	0.500	500	10/10/2024 22:54	WG2379836
Naphthalene	U		0.500	2.50	500	10/10/2024 22:54	WG2379836
n-Propylbenzene	0.0764	J	0.0497	0.500	500	10/10/2024 22:54	WG2379836
Styrene	U		0.0590	0.500	500	10/10/2024 22:54	WG2379836
tert-Butyl alcohol	U		2.03	2.50	500	10/10/2024 22:54	WG2379836
1,1,1,2-Tetrachloroethane	U		0.0735	0.500	500	10/10/2024 22:54	WG2379836
1,1,2,2-Tetrachloroethane	U		0.0665	0.500	500	10/10/2024 22:54	WG2379836
Tetrachloroethene	U		0.150	0.500	500	10/10/2024 22:54	WG2379836
Toluene	7.40		0.139	0.500	500	10/10/2024 22:54	WG2379836
1,1,1-Trichloroethane	U		0.0745	0.500	500	10/10/2024 22:54	WG2379836
1,1,2-Trichloroethane	U		0.0790	0.500	500	10/10/2024 22:54	WG2379836
Trichloroethene	U		0.0950	0.500	500	10/10/2024 22:54	WG2379836
1,2,4-Trimethylbenzene	0.494	J	0.161	0.500	500	10/10/2024 22:54	WG2379836
1,3,5-Trimethylbenzene	U		0.0520	0.500	500	10/10/2024 22:54	WG2379836
Vinyl chloride	U		0.117	0.500	500	10/10/2024 22:54	WG2379836
o-Xylene	0.946		0.0870	0.500	500	10/10/2024 22:54	WG2379836
m&p-Xylene	3.44		0.215	1.00	500	10/10/2024 22:54	WG2379836
Xylenes, Total	4.39		0.0870	1.50	500	10/10/2024 22:54	WG2379836
(S) Toluene-d8	*101*			*80.0-120*		*10/10/2024 22:54*	WG2379836
(S) 4-Bromofluorobenzene	*89.4*			*77.0-126*		*10/10/2024 22:54*	WG2379836
(S) 1,2-Dichloroethane-d4	*87.7*			*70.0-130*		*10/10/2024 22:54*	WG2379836

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	4.45		0.0247	0.100	1	10/17/2024 08:24	WG2382578
(S) o-Terphenyl	*121*			*52.0-156*		*10/17/2024 08:24*	WG2382578

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1490		25.0	1	10/05/2024 10:47	WG2375956

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	161		0.547	1.00	1	10/09/2024 19:37	WG2378628
Fluoride	0.480		0.0761	0.150	1	10/09/2024 19:37	WG2378628
Nitrate as (N)	U		0.0884	0.100	1	10/04/2024 04:39	WG2375326
Nitrite as (N)	U		0.0794	0.100	1	10/04/2024 04:39	WG2375326
Sulfate	2.21	J	0.637	5.00	1	10/09/2024 19:37	WG2378628

Sample Narrative:

L1784264-99 WG2375326: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0100		0.000180	0.00200	1	10/18/2024 21:08	WG2378670
Barium	5.01		0.000381	0.00200	1	10/18/2024 21:08	WG2378670
Calcium	97.6		0.0936	1.00	1	10/18/2024 21:08	WG2378670
Chromium	U		0.00124	0.00200	1	10/18/2024 21:08	WG2378670
Iron	0.0804	J	0.0281	0.100	1	10/18/2024 21:08	WG2378670
Lead	0.00476		0.000849	0.00200	1	10/18/2024 21:08	WG2378670
Manganese	0.0275		0.000704	0.00500	1	10/18/2024 21:08	WG2378670
Potassium	0.358	J	0.108	2.00	1	10/18/2024 21:08	WG2378670
Selenium	0.000341	J	0.000300	0.00200	1	10/18/2024 21:08	WG2378670
Sodium	358		0.376	2.00	1	10/18/2024 21:08	WG2378670

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	19.4		0.314	1.00	10	10/10/2024 04:20	WG2379216
(S) a,a,a-Trifluorotoluene(FID)	*102*			*78.0-120*		*10/10/2024 04:20*	WG2379216

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		2.82	12.5	250	10/10/2024 23:14	WG2379836
Benzene	12.8		0.0235	0.250	250	10/10/2024 23:14	WG2379836
Bromodichloromethane	U		0.0340	0.250	250	10/10/2024 23:14	WG2379836
Bromoform	U		0.0323	0.250	250	10/10/2024 23:14	WG2379836
Bromomethane	U		0.151	1.25	250	10/10/2024 23:14	WG2379836
n-Butylbenzene	U		0.0393	0.250	250	10/10/2024 23:14	WG2379836
sec-Butylbenzene	U		0.0313	0.250	250	10/10/2024 23:14	WG2379836
Carbon disulfide	U		0.0241	0.250	250	10/10/2024 23:14	WG2379836
Carbon tetrachloride	U		0.0320	0.250	250	10/10/2024 23:14	WG2379836
Chlorobenzene	U		0.0290	0.250	250	10/10/2024 23:14	WG2379836
Chlorodibromomethane	U		0.0350	0.250	250	10/10/2024 23:14	WG2379836
Chloroethane	U		0.0480	1.25	250	10/10/2024 23:14	WG2379836
Chloroform	U		0.0278	1.25	250	10/10/2024 23:14	WG2379836
Chloromethane	U		0.240	0.625	250	10/10/2024 23:14	WG2379836
1,2-Dibromoethane	U		0.0315	0.250	250	10/10/2024 23:14	WG2379836
1,1-Dichloroethane	U		0.0250	0.250	250	10/10/2024 23:14	WG2379836

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0205	0.250	250	10/10/2024 23:14	WG2379836
1,1-Dichloroethene	U		0.0470	0.250	250	10/10/2024 23:14	WG2379836
cis-1,2-Dichloroethene	U		0.0315	0.250	250	10/10/2024 23:14	WG2379836
trans-1,2-Dichloroethene	U		0.0373	0.250	250	10/10/2024 23:14	WG2379836
1,2-Dichloropropane	U		0.0373	0.250	250	10/10/2024 23:14	WG2379836
cis-1,3-Dichloropropene	U		0.0278	0.250	250	10/10/2024 23:14	WG2379836
trans-1,3-Dichloropropene	U		0.0295	0.250	250	10/10/2024 23:14	WG2379836
Ethylbenzene	0.564		0.0343	0.250	250	10/10/2024 23:14	WG2379836
Isopropylbenzene	U		0.0263	0.250	250	10/10/2024 23:14	WG2379836
p-Isopropyltoluene	U		0.0300	0.250	250	10/10/2024 23:14	WG2379836
2-Butanone (MEK)	U		0.298	2.50	250	10/10/2024 23:14	WG2379836
2-Hexanone	U		0.197	2.50	250	10/10/2024 23:14	WG2379836
Methylene Chloride	U		0.108	1.25	250	10/10/2024 23:14	WG2379836
4-Methyl-2-pentanone (MIBK)	U		0.120	2.50	250	10/10/2024 23:14	WG2379836
Methyl tert-butyl ether	0.286		0.0253	0.250	250	10/10/2024 23:14	WG2379836
Naphthalene	U		0.250	1.25	250	10/10/2024 23:14	WG2379836
n-Propylbenzene	U		0.0248	0.250	250	10/10/2024 23:14	WG2379836
Styrene	U		0.0295	0.250	250	10/10/2024 23:14	WG2379836
tert-Butyl alcohol	U		1.02	1.25	250	10/10/2024 23:14	WG2379836
1,1,1,2-Tetrachloroethane	U		0.0368	0.250	250	10/10/2024 23:14	WG2379836
1,1,2,2-Tetrachloroethane	U		0.0333	0.250	250	10/10/2024 23:14	WG2379836
Tetrachloroethene	U		0.0750	0.250	250	10/10/2024 23:14	WG2379836
Toluene	0.507		0.0695	0.250	250	10/10/2024 23:14	WG2379836
1,1,1-Trichloroethane	U		0.0373	0.250	250	10/10/2024 23:14	WG2379836
1,1,2-Trichloroethane	U		0.0395	0.250	250	10/10/2024 23:14	WG2379836
Trichloroethene	U		0.0475	0.250	250	10/10/2024 23:14	WG2379836
1,2,4-Trimethylbenzene	0.113	J	0.0805	0.250	250	10/10/2024 23:14	WG2379836
1,3,5-Trimethylbenzene	U		0.0260	0.250	250	10/10/2024 23:14	WG2379836
Vinyl chloride	U		0.0585	0.250	250	10/10/2024 23:14	WG2379836
o-Xylene	U		0.0435	0.250	250	10/10/2024 23:14	WG2379836
m&p-Xylene	0.539		0.108	0.500	250	10/10/2024 23:14	WG2379836
Xylenes, Total	0.539	J	0.0435	0.750	250	10/10/2024 23:14	WG2379836
(S) Toluene-d8	*103*			*80.0-120*		*10/10/2024 23:14*	WG2379836
(S) 4-Bromofluorobenzene	*87.1*			*77.0-126*		*10/10/2024 23:14*	WG2379836
(S) 1,2-Dichloroethane-d4	*87.3*			*70.0-130*		*10/10/2024 23:14*	WG2379836

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	3.64		0.0247	0.100	1	10/17/2024 08:44	WG2382578
(S) o-Terphenyl	*104*			*52.0-156*		*10/17/2024 08:44*	WG2382578

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3930		50.0	1	10/05/2024 10:47	WG2375956

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	287		5.47	10.0	10	10/09/2024 12:10	WG2378628
Fluoride	1.86		0.761	1.50	10	10/09/2024 12:10	WG2378628
Nitrate as (N)	U		0.884	1.00	10	10/03/2024 23:55	WG2375326
Nitrite as (N)	U		0.794	1.00	10	10/03/2024 23:55	WG2375326
Sulfate	2380		63.7	500	100	10/09/2024 12:21	WG2378628

Sample Narrative:

L1784264-100 WG2378628, WG2375326: Dilution due to matrix impact on instrumentation at lower dilution

L1784264-100 WG2378628, WG2375326: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U	J6 O1	0.0000700	0.000200	1	10/07/2024 12:31	WG2375347

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.247		0.0200	0.200	1	10/14/2024 12:22	WG2378120
Boron,Dissolved	0.250		0.0200	0.200	1	10/20/2024 08:09	WG2378038

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00388		0.000180	0.00200	1	10/18/2024 17:03	WG2378667
Barium	0.00923		0.000381	0.00200	1	10/18/2024 17:03	WG2378667
Cadmium	U		0.000150	0.00100	1	10/18/2024 17:03	WG2378667
Calcium	594		0.0936	1.00	1	10/18/2024 17:03	WG2378667
Chromium	U		0.00124	0.00200	1	10/18/2024 17:03	WG2378667
Cobalt	0.00254		0.0000596	0.00200	1	10/18/2024 17:03	WG2378667
Iron	0.136	B	0.0281	0.100	1	10/18/2024 17:03	WG2378667
Lead	U		0.000849	0.00200	1	10/18/2024 21:35	WG2378667
Manganese	0.0410		0.000704	0.00500	1	10/18/2024 17:03	WG2378667
Nickel	0.00228		0.000816	0.00200	1	10/18/2024 17:03	WG2378667
Potassium	1.35	B J J4	0.108	2.00	1	10/18/2024 17:03	WG2378667
Selenium	0.00394		0.000300	0.00200	1	10/18/2024 17:03	WG2378667
Sodium	177		0.376	2.00	1	10/18/2024 17:03	WG2378667
Uranium	0.0364		0.0000789	0.00100	1	10/18/2024 21:35	WG2378667
Vanadium	0.0159		0.000664	0.00500	1	10/18/2024 17:03	WG2378667

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic,Dissolved	0.00305		0.000120	0.00200	1	10/20/2024 18:50	WG2378105
Iron,Dissolved	0.0579	J	0.0226	0.100	1	10/20/2024 18:50	WG2378105
Manganese,Dissolved	0.0369		0.000700	0.00500	1	10/20/2024 18:50	WG2378105
Uranium,Dissolved	0.0322		0.000130	0.00100	1	10/20/2024 18:50	WG2378105

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/10/2024 00:33	WG2379216
(S) a,a,a-Trifluorotoluene(FID)	*104*			*78.0-120*		*10/10/2024 00:33*	WG2379216

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 19:31	WG2379836
Benzene	U		0.0000941	0.00100	1	10/10/2024 19:31	WG2379836
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 19:31	WG2379836
Bromoform	U		0.000129	0.00100	1	10/10/2024 19:31	WG2379836
Bromomethane	U		0.000605	0.00500	1	10/10/2024 19:31	WG2379836
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 19:31	WG2379836
sec-Butylbenzene	U		0.000125	0.00100	1	10/10/2024 19:31	WG2379836
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 19:31	WG2379836
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 19:31	WG2379836
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 19:31	WG2379836
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 19:31	WG2379836
Chloroethane	U		0.000192	0.00500	1	10/10/2024 19:31	WG2379836
Chloroform	U		0.000111	0.00500	1	10/10/2024 19:31	WG2379836
Chloromethane	U		0.000960	0.00250	1	10/10/2024 19:31	WG2379836
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 19:31	WG2379836
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 19:31	WG2379836
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 19:31	WG2379836
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 19:31	WG2379836
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 19:31	WG2379836
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 19:31	WG2379836
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 19:31	WG2379836
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 19:31	WG2379836
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 19:31	WG2379836
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 19:31	WG2379836
Isopropylbenzene	U		0.000105	0.00100	1	10/10/2024 19:31	WG2379836
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 19:31	WG2379836
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 19:31	WG2379836
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 19:31	WG2379836
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 19:31	WG2379836
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 19:31	WG2379836
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/10/2024 19:31	WG2379836
Naphthalene	U		0.00100	0.00500	1	10/10/2024 19:31	WG2379836
n-Propylbenzene	U		0.0000993	0.00100	1	10/10/2024 19:31	WG2379836
Styrene	U		0.000118	0.00100	1	10/10/2024 19:31	WG2379836
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 19:31	WG2379836
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 19:31	WG2379836
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 19:31	WG2379836
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 19:31	WG2379836
Toluene	U		0.000278	0.00100	1	10/10/2024 19:31	WG2379836
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 19:31	WG2379836
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 19:31	WG2379836
Trichloroethene	U		0.000190	0.00100	1	10/10/2024 19:31	WG2379836
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 19:31	WG2379836
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 19:31	WG2379836
Vinyl chloride	U		0.000234	0.00100	1	10/10/2024 19:31	WG2379836
o-Xylene	U		0.000174	0.00100	1	10/10/2024 19:31	WG2379836
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 19:31	WG2379836
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 19:31	WG2379836
(S) Toluene-d8	*108*			*80.0-120*		*10/10/2024 19:31*	WG2379836

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
(S) 4-Bromofluorobenzene	*91.8*			*77.0-126*		*10/10/2024 19:31*	WG2379836
(S) 1,2-Dichloroethane-d4	*92.3*			*70.0-130*		*10/10/2024 19:31*	WG2379836

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1.72		0.247	1.00	10	10/14/2024 23:27	WG2381340
(S) o-Terphenyl	*103*			*52.0-156*		*10/14/2024 23:27*	WG2381340

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2280		50.0	1	10/05/2024 08:38	WG2375394

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	46.8		0.547	1.00	1	10/09/2024 12:32	WG2378628
Fluoride	1.83		0.0761	0.150	1	10/09/2024 12:32	WG2378628
Nitrate as (N)	U		0.884	1.00	10	10/04/2024 00:17	WG2375326
Nitrite as (N)	U		0.794	1.00	10	10/04/2024 00:17	WG2375326
Sulfate	1600		6.37	50.0	10	10/09/2024 12:43	WG2378628

Sample Narrative:

L1784264-101 WG2375326: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00250		0.000180	0.00200	1	10/18/2024 16:51	WG2378667
Barium	0.0168		0.000381	0.00200	1	10/18/2024 16:51	WG2378667
Calcium	352	V	0.0936	1.00	1	10/18/2024 16:51	WG2378667
Chromium	U		0.00124	0.00200	1	10/18/2024 16:51	WG2378667
Iron	0.157	B	0.0281	0.100	1	10/18/2024 16:51	WG2378667
Lead	U		0.000849	0.00200	1	10/18/2024 21:22	WG2378667
Manganese	0.0236		0.000704	0.00500	1	10/18/2024 16:51	WG2378667
Potassium	0.457	B J J4	0.108	2.00	1	10/18/2024 16:51	WG2378667
Selenium	0.00439		0.000300	0.00200	1	10/18/2024 16:51	WG2378667
Sodium	103	V	0.376	2.00	1	10/18/2024 16:51	WG2378667

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 19:51	WG2379836
Benzene	U		0.0000941	0.00100	1	10/10/2024 19:51	WG2379836
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 19:51	WG2379836
Bromoform	U		0.000129	0.00100	1	10/10/2024 19:51	WG2379836
Bromomethane	U		0.000605	0.00500	1	10/10/2024 19:51	WG2379836
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 19:51	WG2379836
sec-Butylbenzene	U		0.000125	0.00100	1	10/10/2024 19:51	WG2379836
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 19:51	WG2379836
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 19:51	WG2379836
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 19:51	WG2379836
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 19:51	WG2379836
Chloroethane	U		0.000192	0.00500	1	10/10/2024 19:51	WG2379836
Chloroform	U		0.000111	0.00500	1	10/10/2024 19:51	WG2379836
Chloromethane	U		0.000960	0.00250	1	10/10/2024 19:51	WG2379836
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 19:51	WG2379836
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 19:51	WG2379836
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 19:51	WG2379836
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 19:51	WG2379836
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 19:51	WG2379836
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 19:51	WG2379836
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 19:51	WG2379836
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 19:51	WG2379836
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 19:51	WG2379836

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 19:51	WG2379836
Isopropylbenzene	U		0.000105	0.00100	1	10/10/2024 19:51	WG2379836
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 19:51	WG2379836
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 19:51	WG2379836
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 19:51	WG2379836
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 19:51	WG2379836
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 19:51	WG2379836
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/10/2024 19:51	WG2379836
Naphthalene	U		0.00100	0.00500	1	10/10/2024 19:51	WG2379836
n-Propylbenzene	U		0.0000993	0.00100	1	10/10/2024 19:51	WG2379836
Styrene	U		0.000118	0.00100	1	10/10/2024 19:51	WG2379836
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 19:51	WG2379836
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 19:51	WG2379836
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 19:51	WG2379836
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 19:51	WG2379836
Toluene	U		0.000278	0.00100	1	10/10/2024 19:51	WG2379836
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 19:51	WG2379836
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 19:51	WG2379836
Trichloroethene	U		0.000190	0.00100	1	10/10/2024 19:51	WG2379836
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 19:51	WG2379836
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 19:51	WG2379836
Vinyl chloride	U		0.000234	0.00100	1	10/10/2024 19:51	WG2379836
o-Xylene	U		0.000174	0.00100	1	10/10/2024 19:51	WG2379836
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 19:51	WG2379836
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 19:51	WG2379836
(S) Toluene-d8	*110*			*80.0-120*		*10/10/2024 19:51*	WG2379836
(S) 4-Bromofluorobenzene	*87.6*			*77.0-126*		*10/10/2024 19:51*	WG2379836
(S) 1,2-Dichloroethane-d4	*98.3*			*70.0-130*		*10/10/2024 19:51*	WG2379836

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) High Fraction	0.0853	J	0.0247	0.100	1	10/14/2024 23:46	WG2381340
(S) o-Terphenyl	*91.0*			*52.0-156*		*10/14/2024 23:46*	WG2381340

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1500		25.0	1	10/05/2024 10:47	WG2375956

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	163	V	0.547	1.00	1	10/09/2024 12:54	WG2378628
Fluoride	0.522		0.0761	0.150	1	10/09/2024 12:54	WG2378628
Nitrate as (N)	U		0.0884	0.100	1	10/04/2024 00:39	WG2375326
Nitrite as (N)	U		0.0794	0.100	1	10/04/2024 00:39	WG2375326
Sulfate	2.86	J P1	0.637	5.00	1	10/09/2024 12:54	WG2378628

Sample Narrative:

L1784264-102 WG2375326: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00990		0.000180	0.00200	1	10/18/2024 20:02	WG2378670
Barium	6.21		0.000381	0.00200	1	10/18/2024 20:02	WG2378670
Calcium	98.3		0.0936	1.00	1	10/18/2024 20:02	WG2378670
Chromium	0.00168	B J	0.00124	0.00200	1	10/18/2024 20:02	WG2378670
Iron	0.110		0.0281	0.100	1	10/18/2024 20:02	WG2378670
Lead	0.00417		0.000849	0.00200	1	10/18/2024 20:02	WG2378670
Manganese	0.0263		0.000704	0.00500	1	10/18/2024 20:02	WG2378670
Potassium	0.370	J	0.108	2.00	1	10/18/2024 20:02	WG2378670
Selenium	U		0.000300	0.00200	1	10/18/2024 20:02	WG2378670
Sodium	358		0.376	2.00	1	10/18/2024 20:02	WG2378670

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	22.0		1.57	5.00	50	10/10/2024 02:49	WG2379216
(S) a,a,a-Trifluorotoluene(FID)	*104*			*78.0-120*		*10/10/2024 02:49*	WG2379216

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		2.82	12.5	250	10/10/2024 21:33	WG2379836
Benzene	17.8		0.0235	0.250	250	10/10/2024 21:33	WG2379836
Bromodichloromethane	U		0.0340	0.250	250	10/10/2024 21:33	WG2379836
Bromoform	U		0.0323	0.250	250	10/10/2024 21:33	WG2379836
Bromomethane	U		0.151	1.25	250	10/10/2024 21:33	WG2379836
n-Butylbenzene	U		0.0393	0.250	250	10/10/2024 21:33	WG2379836
sec-Butylbenzene	0.0593	J	0.0313	0.250	250	10/10/2024 21:33	WG2379836
Carbon disulfide	U		0.0241	0.250	250	10/10/2024 21:33	WG2379836
Carbon tetrachloride	U		0.0320	0.250	250	10/10/2024 21:33	WG2379836
Chlorobenzene	U		0.0290	0.250	250	10/10/2024 21:33	WG2379836
Chlorodibromomethane	U		0.0350	0.250	250	10/10/2024 21:33	WG2379836
Chloroethane	U		0.0480	1.25	250	10/10/2024 21:33	WG2379836
Chloroform	U		0.0278	1.25	250	10/10/2024 21:33	WG2379836
Chloromethane	U		0.240	0.625	250	10/10/2024 21:33	WG2379836
1,2-Dibromoethane	U		0.0315	0.250	250	10/10/2024 21:33	WG2379836
1,1-Dichloroethane	U		0.0250	0.250	250	10/10/2024 21:33	WG2379836

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0205	0.250	250	10/10/2024 21:33	WG2379836
1,1-Dichloroethene	U		0.0470	0.250	250	10/10/2024 21:33	WG2379836
cis-1,2-Dichloroethene	U		0.0315	0.250	250	10/10/2024 21:33	WG2379836
trans-1,2-Dichloroethene	U		0.0373	0.250	250	10/10/2024 21:33	WG2379836
1,2-Dichloropropane	U		0.0373	0.250	250	10/10/2024 21:33	WG2379836
cis-1,3-Dichloropropene	U		0.0278	0.250	250	10/10/2024 21:33	WG2379836
trans-1,3-Dichloropropene	U		0.0295	0.250	250	10/10/2024 21:33	WG2379836
Ethylbenzene	0.741		0.0343	0.250	250	10/10/2024 21:33	WG2379836
Isopropylbenzene	0.0796	J	0.0263	0.250	250	10/10/2024 21:33	WG2379836
p-Isopropyltoluene	U		0.0300	0.250	250	10/10/2024 21:33	WG2379836
2-Butanone (MEK)	U		0.298	2.50	250	10/10/2024 21:33	WG2379836
2-Hexanone	U		0.197	2.50	250	10/10/2024 21:33	WG2379836
Methylene Chloride	U		0.108	1.25	250	10/10/2024 21:33	WG2379836
4-Methyl-2-pentanone (MIBK)	U		0.120	2.50	250	10/10/2024 21:33	WG2379836
Methyl tert-butyl ether	0.448		0.0253	0.250	250	10/10/2024 21:33	WG2379836
Naphthalene	U		0.250	1.25	250	10/10/2024 21:33	WG2379836
n-Propylbenzene	0.0636	J	0.0248	0.250	250	10/10/2024 21:33	WG2379836
Styrene	U		0.0295	0.250	250	10/10/2024 21:33	WG2379836
tert-Butyl alcohol	U		1.02	1.25	250	10/10/2024 21:33	WG2379836
1,1,1,2-Tetrachloroethane	U		0.0368	0.250	250	10/10/2024 21:33	WG2379836
1,1,2,2-Tetrachloroethane	U		0.0333	0.250	250	10/10/2024 21:33	WG2379836
Tetrachloroethene	U		0.0750	0.250	250	10/10/2024 21:33	WG2379836
Toluene	0.632		0.0695	0.250	250	10/10/2024 21:33	WG2379836
1,1,1-Trichloroethane	U		0.0373	0.250	250	10/10/2024 21:33	WG2379836
1,1,2-Trichloroethane	U		0.0395	0.250	250	10/10/2024 21:33	WG2379836
Trichloroethene	U		0.0475	0.250	250	10/10/2024 21:33	WG2379836
1,2,4-Trimethylbenzene	0.152	J	0.0805	0.250	250	10/10/2024 21:33	WG2379836
1,3,5-Trimethylbenzene	U		0.0260	0.250	250	10/10/2024 21:33	WG2379836
Vinyl chloride	U		0.0585	0.250	250	10/10/2024 21:33	WG2379836
o-Xylene	U		0.0435	0.250	250	10/10/2024 21:33	WG2379836
m&p-Xylene	0.569		0.108	0.500	250	10/10/2024 21:33	WG2379836
Xylenes, Total	0.569	J	0.0435	0.750	250	10/10/2024 21:33	WG2379836
(S) Toluene-d8	*102*			*80.0-120*		*10/10/2024 21:33*	WG2379836
(S) 4-Bromofluorobenzene	*86.9*			*77.0-126*		*10/10/2024 21:33*	WG2379836
(S) 1,2-Dichloroethane-d4	*88.4*			*70.0-130*		*10/10/2024 21:33*	WG2379836

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	5.55		0.0247	0.100	1	10/15/2024 01:05	WG2381340
(S) o-Terphenyl	*107*			*52.0-156*		*10/15/2024 01:05*	WG2381340

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	ND		10.0	1	10/05/2024 10:47	WG2375956

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	U		0.547	1.00	1	10/09/2024 13:37	WG2378628
Fluoride	0.120	J	0.0761	0.150	1	10/09/2024 13:37	WG2378628
Nitrate as (N)	0.101	P1	0.0884	0.100	1	10/04/2024 01:01	WG2375326
Nitrate as (N)	U	Q	0.0884	0.100	1	10/09/2024 13:37	WG2378628
Nitrite as (N)	U		0.0794	0.100	1	10/04/2024 01:01	WG2375326
Nitrite as (N)	U	Q	0.0794	0.100	1	10/09/2024 13:37	WG2378628
Sulfate	U		0.637	5.00	1	10/09/2024 13:37	WG2378628

Sample Narrative:

L1784264-103 WG2375326: Duplicate Analysis performed due to QC failure. Results do not confirm; reporting both analyses.

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	U		0.000120	0.00200	1	10/18/2024 20:06	WG2378670
Barium	U		0.000500	0.00200	1	10/18/2024 20:06	WG2378670
Calcium	0.105	J	0.0925	1.00	1	10/18/2024 20:06	WG2378670
Chromium	U		0.000900	0.00200	1	10/18/2024 20:06	WG2378670
Iron	U		0.0226	0.100	1	10/18/2024 20:06	WG2378670
Lead	U		0.000500	0.00200	1	10/18/2024 20:06	WG2378670
Manganese	U		0.000700	0.00500	1	10/18/2024 20:06	WG2378670
Potassium	U		0.0965	2.00	1	10/18/2024 20:06	WG2378670
Selenium	U		0.000250	0.00200	1	10/18/2024 20:06	WG2378670
Sodium	U		0.142	2.00	1	10/18/2024 20:06	WG2378670

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/09/2024 23:01	WG2379216
(S) a,a,a-Trifluorotoluene(FID)	*104*			*78.0-120*		*10/09/2024 23:01*	WG2379216
(S) a,a,a-Trifluorotoluene(FID)	*86.8*			*78.0-120*		*10/30/2024 07:02*	WG2391882

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 18:29	WG2379836
Benzene	U		0.0000941	0.00100	1	10/10/2024 18:29	WG2379836
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 18:29	WG2379836
Bromoform	U		0.000129	0.00100	1	10/10/2024 18:29	WG2379836
Bromomethane	U		0.000605	0.00500	1	10/10/2024 18:29	WG2379836
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 18:29	WG2379836
sec-Butylbenzene	U		0.000125	0.00100	1	10/10/2024 18:29	WG2379836
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 18:29	WG2379836
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 18:29	WG2379836
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 18:29	WG2379836
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 18:29	WG2379836
Chloroethane	U		0.000192	0.00500	1	10/10/2024 18:29	WG2379836
Chloroform	U		0.000111	0.00500	1	10/10/2024 18:29	WG2379836

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloromethane	U		0.000960	0.00250	1	10/10/2024 18:29	WG2379836
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 18:29	WG2379836
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 18:29	WG2379836
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 18:29	WG2379836
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 18:29	WG2379836
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 18:29	WG2379836
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 18:29	WG2379836
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 18:29	WG2379836
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 18:29	WG2379836
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 18:29	WG2379836
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 18:29	WG2379836
Isopropylbenzene	U		0.000105	0.00100	1	10/10/2024 18:29	WG2379836
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 18:29	WG2379836
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 18:29	WG2379836
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 18:29	WG2379836
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 18:29	WG2379836
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 18:29	WG2379836
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/10/2024 18:29	WG2379836
Naphthalene	U		0.00100	0.00500	1	10/10/2024 18:29	WG2379836
n-Propylbenzene	U		0.0000993	0.00100	1	10/10/2024 18:29	WG2379836
Styrene	U		0.000118	0.00100	1	10/10/2024 18:29	WG2379836
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 18:29	WG2379836
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 18:29	WG2379836
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 18:29	WG2379836
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 18:29	WG2379836
Toluene	U		0.000278	0.00100	1	10/10/2024 18:29	WG2379836
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 18:29	WG2379836
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 18:29	WG2379836
Trichloroethene	U		0.000190	0.00100	1	10/10/2024 18:29	WG2379836
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 18:29	WG2379836
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 18:29	WG2379836
Vinyl chloride	U		0.000234	0.00100	1	10/10/2024 18:29	WG2379836
o-Xylene	U		0.000174	0.00100	1	10/10/2024 18:29	WG2379836
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 18:29	WG2379836
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 18:29	WG2379836
(S) Toluene-d8	*103*			*80.0-120*		*10/10/2024 18:29*	WG2379836
(S) 4-Bromofluorobenzene	*91.1*			*77.0-126*		*10/10/2024 18:29*	WG2379836
(S) 1,2-Dichloroethane-d4	*93.6*			*70.0-130*		*10/10/2024 18:29*	WG2379836

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	10/15/2024 01:24	WG2381340
(S) o-Terphenyl	*94.0*			*52.0-156*		*10/15/2024 01:24*	WG2381340

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 17:49	WG2379836
Benzene	U		0.0000941	0.00100	1	10/10/2024 17:49	WG2379836
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 17:49	WG2379836
Bromoform	U		0.000129	0.00100	1	10/10/2024 17:49	WG2379836
Bromomethane	U		0.000605	0.00500	1	10/10/2024 17:49	WG2379836
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 17:49	WG2379836
sec-Butylbenzene	U		0.000125	0.00100	1	10/10/2024 17:49	WG2379836
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 17:49	WG2379836
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 17:49	WG2379836
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 17:49	WG2379836
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 17:49	WG2379836
Chloroethane	U		0.000192	0.00500	1	10/10/2024 17:49	WG2379836
Chloroform	U		0.000111	0.00500	1	10/10/2024 17:49	WG2379836
Chloromethane	U		0.000960	0.00250	1	10/10/2024 17:49	WG2379836
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 17:49	WG2379836
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 17:49	WG2379836
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 17:49	WG2379836
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 17:49	WG2379836
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 17:49	WG2379836
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 17:49	WG2379836
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 17:49	WG2379836
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 17:49	WG2379836
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 17:49	WG2379836
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 17:49	WG2379836
Isopropylbenzene	U		0.000105	0.00100	1	10/10/2024 17:49	WG2379836
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 17:49	WG2379836
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 17:49	WG2379836
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 17:49	WG2379836
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 17:49	WG2379836
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 17:49	WG2379836
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/10/2024 17:49	WG2379836
Naphthalene	U		0.00100	0.00500	1	10/10/2024 17:49	WG2379836
n-Propylbenzene	U		0.0000993	0.00100	1	10/10/2024 17:49	WG2379836
Styrene	U		0.000118	0.00100	1	10/10/2024 17:49	WG2379836
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 17:49	WG2379836
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 17:49	WG2379836
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 17:49	WG2379836
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 17:49	WG2379836
Toluene	U		0.000278	0.00100	1	10/10/2024 17:49	WG2379836
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 17:49	WG2379836
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 17:49	WG2379836
Trichloroethene	U		0.000190	0.00100	1	10/10/2024 17:49	WG2379836
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 17:49	WG2379836
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 17:49	WG2379836
Vinyl chloride	U		0.000234	0.00100	1	10/10/2024 17:49	WG2379836
o-Xylene	U		0.000174	0.00100	1	10/10/2024 17:49	WG2379836
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 17:49	WG2379836
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 17:49	WG2379836
(S) Toluene-d8	*111*			*80.0-120*		*10/10/2024 17:49*	WG2379836
(S) 4-Bromofluorobenzene	*86.6*			*77.0-126*		*10/10/2024 17:49*	WG2379836
(S) 1,2-Dichloroethane-d4	*94.1*			*70.0-130*		*10/10/2024 17:49*	WG2379836

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 18:09	WG2379836
Benzene	U		0.0000941	0.00100	1	10/10/2024 18:09	WG2379836
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 18:09	WG2379836
Bromoform	U		0.000129	0.00100	1	10/10/2024 18:09	WG2379836
Bromomethane	U		0.000605	0.00500	1	10/10/2024 18:09	WG2379836
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 18:09	WG2379836
sec-Butylbenzene	U		0.000125	0.00100	1	10/10/2024 18:09	WG2379836
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 18:09	WG2379836
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 18:09	WG2379836
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 18:09	WG2379836
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 18:09	WG2379836
Chloroethane	U		0.000192	0.00500	1	10/10/2024 18:09	WG2379836
Chloroform	U		0.000111	0.00500	1	10/10/2024 18:09	WG2379836
Chloromethane	U		0.000960	0.00250	1	10/10/2024 18:09	WG2379836
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 18:09	WG2379836
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 18:09	WG2379836
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 18:09	WG2379836
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 18:09	WG2379836
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 18:09	WG2379836
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 18:09	WG2379836
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 18:09	WG2379836
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 18:09	WG2379836
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 18:09	WG2379836
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 18:09	WG2379836
Isopropylbenzene	U		0.000105	0.00100	1	10/10/2024 18:09	WG2379836
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 18:09	WG2379836
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 18:09	WG2379836
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 18:09	WG2379836
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 18:09	WG2379836
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 18:09	WG2379836
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/10/2024 18:09	WG2379836
Naphthalene	U		0.00100	0.00500	1	10/10/2024 18:09	WG2379836
n-Propylbenzene	U		0.0000993	0.00100	1	10/10/2024 18:09	WG2379836
Styrene	U		0.000118	0.00100	1	10/10/2024 18:09	WG2379836
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 18:09	WG2379836
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 18:09	WG2379836
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 18:09	WG2379836
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 18:09	WG2379836
Toluene	U		0.000278	0.00100	1	10/10/2024 18:09	WG2379836
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 18:09	WG2379836
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 18:09	WG2379836
Trichloroethene	U		0.000190	0.00100	1	10/10/2024 18:09	WG2379836
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 18:09	WG2379836
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 18:09	WG2379836
Vinyl chloride	U		0.000234	0.00100	1	10/10/2024 18:09	WG2379836
o-Xylene	U		0.000174	0.00100	1	10/10/2024 18:09	WG2379836
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 18:09	WG2379836
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 18:09	WG2379836
(S) Toluene-d8	*110*			*80.0-120*		*10/10/2024 18:09*	WG2379836
(S) 4-Bromofluorobenzene	*93.7*			*77.0-126*		*10/10/2024 18:09*	WG2379836
(S) 1,2-Dichloroethane-d4	*94.4*			*70.0-130*		*10/10/2024 18:09*	WG2379836

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	5460		100	1	10/07/2024 09:26	WG2376599

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1600		5.47	10.0	10	10/05/2024 04:56	WG2376117
Fluoride	0.871	J	0.761	1.50	10	10/05/2024 04:56	WG2376117
Nitrate as (N)	U	Q	0.884	1.00	10	10/05/2024 04:56	WG2376117
Nitrite as (N)	U	Q	0.794	1.00	10	10/05/2024 04:56	WG2376117
Sulfate	1960		63.7	500	100	10/05/2024 05:07	WG2376117

Sample Narrative:

L1784264-106 WG2376117: Dilution due to matrix impact on instrumentation at lower dilution

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0368		0.000180	0.00200	1	10/17/2024 11:39	WG2378675
Barium	0.0169		0.000381	0.00200	1	10/17/2024 11:39	WG2378675
Calcium	361		0.0936	1.00	1	10/17/2024 11:39	WG2378675
Chromium	0.00489		0.00124	0.00200	1	10/17/2024 11:39	WG2378675
Iron	4.27		0.0281	0.100	1	10/17/2024 11:39	WG2378675
Lead	U		0.000849	0.00200	1	10/17/2024 11:39	WG2378675
Manganese	4.50		0.000704	0.00500	1	10/17/2024 11:39	WG2378675
Potassium	6.71		0.108	2.00	1	10/17/2024 11:39	WG2378675
Selenium	0.000893	J	0.000300	0.00200	1	10/17/2024 11:39	WG2378675
Sodium	1250		1.88	10.0	5	10/17/2024 12:36	WG2378675

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	1.69		0.0314	0.100	1	10/10/2024 08:42	WG2379330
(S) a,a,a-Trifluorotoluene(FID)	*102*			*78.0-120*		*10/10/2024 08:42*	WG2379330

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	4.15		0.0247	0.100	1	10/15/2024 01:44	WG2381340
(S) o-Terphenyl	*106*			*52.0-156*		*10/15/2024 01:44*	WG2381340

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	4750		100	1	10/07/2024 09:26	WG2376599

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1310		5.47	10.0	10	10/05/2024 05:18	WG2376117
Fluoride	0.947	J	0.761	1.50	10	10/05/2024 05:18	WG2376117
Nitrate as (N)	U	Q	0.884	1.00	10	10/05/2024 05:18	WG2376117
Nitrite as (N)	U	Q	0.794	1.00	10	10/05/2024 05:18	WG2376117
Sulfate	1910		6.37	50.0	10	10/05/2024 05:18	WG2376117

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0137		0.000180	0.00200	1	10/17/2024 11:42	WG2378675
Barium	0.0129		0.000381	0.00200	1	10/17/2024 11:42	WG2378675
Calcium	412		0.0936	1.00	1	10/17/2024 11:42	WG2378675
Chromium	U		0.00124	0.00200	1	10/17/2024 11:42	WG2378675
Iron	0.428	B	0.0281	0.100	1	10/17/2024 11:42	WG2378675
Lead	U		0.000849	0.00200	1	10/17/2024 11:42	WG2378675
Manganese	2.93		0.000704	0.00500	1	10/17/2024 11:42	WG2378675
Potassium	3.32		0.108	2.00	1	10/17/2024 11:42	WG2378675
Selenium	U		0.000300	0.00200	1	10/17/2024 11:42	WG2378675
Sodium	995		0.376	2.00	1	10/17/2024 11:42	WG2378675

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.670	J	0.628	2.00	20	10/10/2024 15:19	WG2379330
(S) a,a,a-Trifluorotoluene(FID)	*99.3*			*78.0-120*		*10/10/2024 15:19*	WG2379330

Sample Narrative:

L1784264-107 WG2379330: Lowest possible dilution due to sample foaming.

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1.39		0.0247	0.100	1	10/15/2024 15:22	WG2381340
(S) o-Terphenyl	*108*			*52.0-156*		*10/15/2024 15:22*	WG2381340

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	5180		100	1	10/07/2024 09:26	WG2376599

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1350		5.47	10.0	10	10/05/2024 05:40	WG2376117
Fluoride	1.03	J	0.761	1.50	10	10/05/2024 05:40	WG2376117
Nitrate as (N)	U	Q	0.884	1.00	10	10/05/2024 05:40	WG2376117
Nitrite as (N)	U	Q	0.794	1.00	10	10/05/2024 05:40	WG2376117
Sulfate	2090		63.7	500	100	10/05/2024 05:51	WG2376117

Sample Narrative:

L1784264-108 WG2376117: Dilution due to matrix impact on instrumentation at lower dilution

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0157		0.000180	0.00200	1	10/17/2024 11:30	WG2378675
Barium	0.0293	O1	0.000381	0.00200	1	10/17/2024 11:30	WG2378675
Calcium	507	V	0.0936	1.00	1	10/17/2024 11:30	WG2378675
Chromium	U		0.00124	0.00200	1	10/17/2024 11:30	WG2378675
Iron	0.0624	B J	0.0281	0.100	1	10/17/2024 11:30	WG2378675
Lead	U		0.000849	0.00200	1	10/17/2024 11:30	WG2378675
Manganese	3.99	O1	0.000704	0.00500	1	10/17/2024 11:30	WG2378675
Potassium	3.42		0.108	2.00	1	10/17/2024 11:30	WG2378675
Selenium	U		0.000300	0.00200	1	10/17/2024 11:30	WG2378675
Sodium	1030		1.88	10.0	5	10/17/2024 12:39	WG2378675

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.350		0.0314	0.100	1	10/10/2024 09:04	WG2379330
(S) a,a,a-Trifluorotoluene(FID)	*99.0*			*78.0-120*		*10/10/2024 09:04*	WG2379330

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1.69		0.0247	0.100	1	10/15/2024 02:23	WG2381340
(S) o-Terphenyl	*103*			*52.0-156*		*10/15/2024 02:23*	WG2381340

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	5470		100	1	10/07/2024 09:26	WG2376599

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	1600		5.47	10.0	10	10/05/2024 06:02	WG2376117
Fluoride	0.860	J	0.761	1.50	10	10/05/2024 06:02	WG2376117
Nitrate as (N)	U	Q	0.884	1.00	10	10/05/2024 06:02	WG2376117
Nitrite as (N)	U	Q	0.794	1.00	10	10/05/2024 06:02	WG2376117
Sulfate	1980		63.7	500	100	10/05/2024 06:12	WG2376117

Sample Narrative:

L1784264-109 WG2376117: Dilution due to matrix impact on instrumentation at lower dilution

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0368		0.000180	0.00200	1	10/17/2024 11:49	WG2378675
Barium	0.0167		0.000381	0.00200	1	10/17/2024 11:49	WG2378675
Calcium	361		0.0936	1.00	1	10/17/2024 11:49	WG2378675
Chromium	U		0.00124	0.00200	1	10/17/2024 11:49	WG2378675
Iron	4.23		0.0281	0.100	1	10/17/2024 11:49	WG2378675
Lead	U		0.000849	0.00200	1	10/17/2024 11:49	WG2378675
Manganese	4.49		0.000704	0.00500	1	10/17/2024 11:49	WG2378675
Potassium	3.14		0.108	2.00	1	10/17/2024 11:49	WG2378675
Selenium	0.00106	J	0.000300	0.00200	1	10/17/2024 11:49	WG2378675
Sodium	1270		1.88	10.0	5	10/17/2024 12:42	WG2378675

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	1.77		0.0314	0.100	1	10/10/2024 09:26	WG2379330
(S) a,a,a-Trifluorotoluene(FID)	*101*			*78.0-120*		*10/10/2024 09:26*	WG2379330

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	4.14		0.0247	0.100	1	10/15/2024 02:43	WG2381340
(S) o-Terphenyl	*100*			*52.0-156*		*10/15/2024 02:43*	WG2381340

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2870		50.0	1	10/07/2024 09:26	WG2376599

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	167		5.47	10.0	10	10/05/2024 06:23	WG2376117
Fluoride	0.979	J	0.761	1.50	10	10/05/2024 06:23	WG2376117
Nitrate as (N)	3.56	B Q	0.884	1.00	10	10/05/2024 06:23	WG2376117
Nitrite as (N)	U	Q	0.794	1.00	10	10/05/2024 06:23	WG2376117
Sulfate	1790		6.37	50.0	10	10/05/2024 06:23	WG2376117

Sample Narrative:

L1784264-110 WG2376117: Dilution due to matrix impact on instrumentation at lower dilution

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.0000700	0.000200	1	10/09/2024 14:35	WG2376097

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.207		0.0200	0.200	1	10/15/2024 19:41	WG2378641
Boron,Dissolved	0.210		0.0200	0.200	1	10/17/2024 09:24	WG2378062

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00205		0.000180	0.00200	1	10/17/2024 11:52	WG2378675
Arsenic,Dissolved	0.00182	J	0.000180	0.00200	1	10/17/2024 18:20	WG2378107
Barium	0.00996		0.000381	0.00200	1	10/17/2024 11:52	WG2378675
Cadmium	U		0.000150	0.00100	1	10/17/2024 11:52	WG2378675
Calcium	530		0.0936	1.00	1	10/17/2024 11:52	WG2378675
Chromium	U		0.00124	0.00200	1	10/17/2024 11:52	WG2378675
Cobalt	0.000321	J	0.0000596	0.00200	1	10/17/2024 11:52	WG2378675
Iron	U		0.0281	0.100	1	10/17/2024 11:52	WG2378675
Iron,Dissolved	U		0.0281	0.100	1	10/17/2024 18:20	WG2378107
Lead	U		0.000849	0.00200	1	10/17/2024 11:52	WG2378675
Manganese	0.00938	B	0.000704	0.00500	1	10/17/2024 11:52	WG2378675
Manganese,Dissolved	0.00654		0.000704	0.00500	1	10/17/2024 18:20	WG2378107
Nickel	0.000983	B J	0.000816	0.00200	1	10/17/2024 11:52	WG2378675
Potassium	1.43	J	0.108	2.00	1	10/17/2024 11:52	WG2378675
Selenium	0.00671		0.000300	0.00200	1	10/17/2024 11:52	WG2378675
Sodium	58.3		0.376	2.00	1	10/17/2024 11:52	WG2378675
Uranium	0.0227		0.0000789	0.00100	1	10/17/2024 11:52	WG2378675
Uranium,Dissolved	0.0227		0.0000789	0.00100	1	10/17/2024 22:53	WG2378107
Vanadium	0.0121		0.000664	0.00500	1	10/17/2024 11:52	WG2378675

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	5250		100	1	10/07/2024 09:26	WG2376599

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	678		5.47	10.0	10	10/05/2024 07:07	WG2376117
Fluoride	1.27	J	0.761	1.50	10	10/05/2024 07:07	WG2376117
Nitrate as (N)	3.94	B Q	0.884	1.00	10	10/05/2024 07:07	WG2376117
Nitrite as (N)	U	Q	0.794	1.00	10	10/05/2024 07:07	WG2376117
Sulfate	2770		63.7	500	100	10/05/2024 07:18	WG2376117

Sample Narrative:

L1784264-111 WG2376117: Dilution due to matrix impact on instrumentation at lower dilution

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00528		0.000180	0.00200	1	10/17/2024 12:14	WG2378675
Barium	0.00853		0.000381	0.00200	1	10/17/2024 12:14	WG2378675
Calcium	551		0.0936	1.00	1	10/17/2024 12:14	WG2378675
Chromium	U		0.00124	0.00200	1	10/17/2024 12:14	WG2378675
Iron	U		0.0281	0.100	1	10/17/2024 12:14	WG2378675
Lead	U		0.000849	0.00200	1	10/17/2024 12:14	WG2378675
Manganese	0.419		0.000704	0.00500	1	10/17/2024 12:14	WG2378675
Potassium	2.51		0.108	2.00	1	10/17/2024 12:14	WG2378675
Selenium	0.0382		0.000300	0.00200	1	10/17/2024 12:14	WG2378675
Sodium	437		0.376	2.00	1	10/17/2024 12:14	WG2378675

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.183		0.0314	0.100	1	10/10/2024 09:48	WG2379330
(S) a,a,a-Trifluorotoluene(FID)	*98.6*			*78.0-120*		*10/10/2024 09:48*	WG2379330

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 20:12	WG2379836
Benzene	U		0.0000941	0.00100	1	10/10/2024 20:12	WG2379836
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 20:12	WG2379836
Bromoform	U		0.000129	0.00100	1	10/10/2024 20:12	WG2379836
Bromomethane	U		0.000605	0.00500	1	10/10/2024 20:12	WG2379836
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 20:12	WG2379836
sec-Butylbenzene	U		0.000125	0.00100	1	10/10/2024 20:12	WG2379836
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 20:12	WG2379836
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 20:12	WG2379836
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 20:12	WG2379836
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 20:12	WG2379836
Chloroethane	U		0.000192	0.00500	1	10/10/2024 20:12	WG2379836
Chloroform	U		0.000111	0.00500	1	10/10/2024 20:12	WG2379836
Chloromethane	U		0.000960	0.00250	1	10/10/2024 20:12	WG2379836
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 20:12	WG2379836
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 20:12	WG2379836

MW-21
Collected date/time: 10/02/24 12:00
L1784264

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 20:12	WG2379836
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 20:12	WG2379836
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 20:12	WG2379836
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 20:12	WG2379836
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 20:12	WG2379836
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 20:12	WG2379836
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 20:12	WG2379836
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 20:12	WG2379836
Isopropylbenzene	U		0.000105	0.00100	1	10/10/2024 20:12	WG2379836
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 20:12	WG2379836
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 20:12	WG2379836
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 20:12	WG2379836
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 20:12	WG2379836
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 20:12	WG2379836
Methyl tert-butyl ether	0.155		0.000101	0.00100	1	10/10/2024 20:12	WG2379836
Naphthalene	U		0.00100	0.00500	1	10/10/2024 20:12	WG2379836
n-Propylbenzene	U		0.0000993	0.00100	1	10/10/2024 20:12	WG2379836
Styrene	U		0.000118	0.00100	1	10/10/2024 20:12	WG2379836
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 20:12	WG2379836
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 20:12	WG2379836
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 20:12	WG2379836
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 20:12	WG2379836
Toluene	U		0.000278	0.00100	1	10/10/2024 20:12	WG2379836
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 20:12	WG2379836
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 20:12	WG2379836
Trichloroethene	U		0.000190	0.00100	1	10/10/2024 20:12	WG2379836
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 20:12	WG2379836
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 20:12	WG2379836
Vinyl chloride	U		0.000234	0.00100	1	10/10/2024 20:12	WG2379836
o-Xylene	U		0.000174	0.00100	1	10/10/2024 20:12	WG2379836
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 20:12	WG2379836
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 20:12	WG2379836
(S) Toluene-d8	*106*			*80.0-120*		*10/10/2024 20:12*	WG2379836
(S) 4-Bromofluorobenzene	*88.9*			*77.0-126*		*10/10/2024 20:12*	WG2379836
(S) 1,2-Dichloroethane-d4	*91.9*			*70.0-130*		*10/10/2024 20:12*	WG2379836

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0964	J	0.0247	0.100	1	10/15/2024 14:03	WG2381340
(S) o-Terphenyl	*88.5*			*52.0-156*		*10/15/2024 14:03*	WG2381340

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.413		0.0314	0.100	1	10/10/2024 10:10	WG2379330
(S) a,a,a-Trifluorotoluene(FID)	*99.7*			*78.0-120*		*10/10/2024 10:10*	WG2379330

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 20:32	WG2379836
Benzene	U		0.0000941	0.00100	1	10/10/2024 20:32	WG2379836
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 20:32	WG2379836
Bromoform	U		0.000129	0.00100	1	10/10/2024 20:32	WG2379836
Bromomethane	U		0.000605	0.00500	1	10/10/2024 20:32	WG2379836
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 20:32	WG2379836
sec-Butylbenzene	U		0.000125	0.00100	1	10/10/2024 20:32	WG2379836
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 20:32	WG2379836
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 20:32	WG2379836
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 20:32	WG2379836
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 20:32	WG2379836
Chloroethane	U		0.000192	0.00500	1	10/10/2024 20:32	WG2379836
Chloroform	U		0.000111	0.00500	1	10/10/2024 20:32	WG2379836
Chloromethane	U		0.000960	0.00250	1	10/10/2024 20:32	WG2379836
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 20:32	WG2379836
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 20:32	WG2379836
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 20:32	WG2379836
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 20:32	WG2379836
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 20:32	WG2379836
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 20:32	WG2379836
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 20:32	WG2379836
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 20:32	WG2379836
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 20:32	WG2379836
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 20:32	WG2379836
Isopropylbenzene	U		0.000105	0.00100	1	10/10/2024 20:32	WG2379836
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 20:32	WG2379836
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 20:32	WG2379836
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 20:32	WG2379836
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 20:32	WG2379836
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 20:32	WG2379836
Methyl tert-butyl ether	0.505		0.00202	0.0200	20	10/15/2024 00:33	WG2382022
Naphthalene	U		0.00100	0.00500	1	10/10/2024 20:32	WG2379836
n-Propylbenzene	U		0.0000993	0.00100	1	10/10/2024 20:32	WG2379836
Styrene	U		0.000118	0.00100	1	10/10/2024 20:32	WG2379836
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 20:32	WG2379836
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 20:32	WG2379836
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 20:32	WG2379836
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 20:32	WG2379836
Toluene	U		0.000278	0.00100	1	10/10/2024 20:32	WG2379836
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 20:32	WG2379836
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 20:32	WG2379836
Trichloroethene	U		0.000190	0.00100	1	10/10/2024 20:32	WG2379836
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 20:32	WG2379836
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 20:32	WG2379836
Vinyl chloride	U		0.000234	0.00100	1	10/10/2024 20:32	WG2379836
o-Xylene	U		0.000174	0.00100	1	10/10/2024 20:32	WG2379836
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 20:32	WG2379836
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 20:32	WG2379836
(S) Toluene-d8	*109*			*80.0-120*		*10/10/2024 20:32*	WG2379836

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
(S) Toluene-d8	*105*			*80.0-120*		*10/15/2024 00:33*	WG2382022
(S) 4-Bromofluorobenzene	*85.2*			*77.0-126*		*10/10/2024 20:32*	WG2379836
(S) 4-Bromofluorobenzene	*96.2*			*77.0-126*		*10/15/2024 00:33*	WG2382022
(S) 1,2-Dichloroethane-d4	*94.0*			*70.0-130*		*10/10/2024 20:32*	WG2379836
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*10/15/2024 00:33*	WG2382022

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.676		0.0247	0.100	1	10/15/2024 03:22	WG2381340
(S) o-Terphenyl	*100*			*52.0-156*		*10/15/2024 03:22*	WG2381340

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.207		0.0314	0.100	1	10/10/2024 10:32	WG2379330
(S) a,a,a-Trifluorotoluene(FID)	*98.8*			*78.0-120*		*10/10/2024 10:32*	WG2379330

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 17:42	WG2379879
Benzene	U		0.0000941	0.00100	1	10/10/2024 17:42	WG2379879
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 17:42	WG2379879
Bromoform	U		0.000129	0.00100	1	10/10/2024 17:42	WG2379879
Bromomethane	U		0.000605	0.00500	1	10/10/2024 17:42	WG2379879
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 17:42	WG2379879
sec-Butylbenzene	U		0.000125	0.00100	1	10/10/2024 17:42	WG2379879
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 17:42	WG2379879
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 17:42	WG2379879
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 17:42	WG2379879
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 17:42	WG2379879
Chloroethane	U	J3	0.000192	0.00500	1	10/10/2024 17:42	WG2379879
Chloroform	U		0.000111	0.00500	1	10/10/2024 17:42	WG2379879
Chloromethane	U	J3	0.000960	0.00250	1	10/10/2024 17:42	WG2379879
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 17:42	WG2379879
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 17:42	WG2379879
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 17:42	WG2379879
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 17:42	WG2379879
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 17:42	WG2379879
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 17:42	WG2379879
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 17:42	WG2379879
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 17:42	WG2379879
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 17:42	WG2379879
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 17:42	WG2379879
Isopropylbenzene	U		0.000105	0.00100	1	10/10/2024 17:42	WG2379879
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 17:42	WG2379879
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 17:42	WG2379879
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 17:42	WG2379879
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 17:42	WG2379879
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 17:42	WG2379879
Methyl tert-butyl ether	0.221	Q	0.00101	0.0100	10	10/18/2024 01:53	WG2383333
Naphthalene	U		0.00100	0.00500	1	10/10/2024 17:42	WG2379879
n-Propylbenzene	U		0.0000993	0.00100	1	10/10/2024 17:42	WG2379879
Styrene	U		0.000118	0.00100	1	10/10/2024 17:42	WG2379879
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 17:42	WG2379879
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 17:42	WG2379879
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 17:42	WG2379879
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 17:42	WG2379879
Toluene	U		0.000278	0.00100	1	10/10/2024 17:42	WG2379879
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 17:42	WG2379879
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 17:42	WG2379879
Trichloroethene	U	J3	0.000190	0.00100	1	10/10/2024 17:42	WG2379879
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 17:42	WG2379879
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 17:42	WG2379879
Vinyl chloride	U	J3	0.000234	0.00100	1	10/10/2024 17:42	WG2379879
o-Xylene	U		0.000174	0.00100	1	10/10/2024 17:42	WG2379879
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 17:42	WG2379879
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 17:42	WG2379879
(S) Toluene-d8	*124*	J1		*80.0-120*		*10/10/2024 17:42*	WG2379879

MW-152
Collected date/time: 10/02/24 12:40
L1784264

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
(S) Toluene-d8	*110*			*80.0-120*		*10/18/2024 01:53*	WG2383333
(S) 4-Bromofluorobenzene	*107*			*77.0-126*		*10/10/2024 17:42*	WG2379879
(S) 4-Bromofluorobenzene	*89.8*			*77.0-126*		*10/18/2024 01:53*	WG2383333
(S) 1,2-Dichloroethane-d4	*100*			*70.0-130*		*10/10/2024 17:42*	WG2379879
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*10/18/2024 01:53*	WG2383333

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) High Fraction	0.212		0.0247	0.100	1	10/15/2024 03:42	WG2381340
(S) o-Terphenyl	*88.5*			*52.0-156*		*10/15/2024 03:42*	WG2381340

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.216		0.0314	0.100	1	10/10/2024 22:41	WG2380072
(S) a,a,a-Trifluorotoluene(FID)	*103*			*78.0-120*		*10/10/2024 22:41*	WG2380072

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 18:04	WG2379879
Benzene	U		0.0000941	0.00100	1	10/10/2024 18:04	WG2379879
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 18:04	WG2379879
Bromoform	U		0.000129	0.00100	1	10/10/2024 18:04	WG2379879
Bromomethane	U		0.000605	0.00500	1	10/10/2024 18:04	WG2379879
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 18:04	WG2379879
sec-Butylbenzene	U		0.000125	0.00100	1	10/10/2024 18:04	WG2379879
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 18:04	WG2379879
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 18:04	WG2379879
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 18:04	WG2379879
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 18:04	WG2379879
Chloroethane	U	J3	0.000192	0.00500	1	10/10/2024 18:04	WG2379879
Chloroform	U		0.000111	0.00500	1	10/10/2024 18:04	WG2379879
Chloromethane	U	J3	0.000960	0.00250	1	10/10/2024 18:04	WG2379879
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 18:04	WG2379879
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 18:04	WG2379879
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 18:04	WG2379879
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 18:04	WG2379879
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 18:04	WG2379879
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 18:04	WG2379879
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 18:04	WG2379879
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 18:04	WG2379879
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 18:04	WG2379879
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 18:04	WG2379879
Isopropylbenzene	U		0.000105	0.00100	1	10/10/2024 18:04	WG2379879
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 18:04	WG2379879
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 18:04	WG2379879
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 18:04	WG2379879
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 18:04	WG2379879
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 18:04	WG2379879
Methyl tert-butyl ether	0.191		0.000101	0.00100	1	10/10/2024 18:04	WG2379879
Naphthalene	U		0.00100	0.00500	1	10/10/2024 18:04	WG2379879
n-Propylbenzene	U		0.0000993	0.00100	1	10/10/2024 18:04	WG2379879
Styrene	U		0.000118	0.00100	1	10/10/2024 18:04	WG2379879
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 18:04	WG2379879
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 18:04	WG2379879
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 18:04	WG2379879
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 18:04	WG2379879
Toluene	U		0.000278	0.00100	1	10/10/2024 18:04	WG2379879
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 18:04	WG2379879
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 18:04	WG2379879
Trichloroethene	U	J3	0.000190	0.00100	1	10/10/2024 18:04	WG2379879
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 18:04	WG2379879
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 18:04	WG2379879
Vinyl chloride	U	J3	0.000234	0.00100	1	10/10/2024 18:04	WG2379879
o-Xylene	U		0.000174	0.00100	1	10/10/2024 18:04	WG2379879
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 18:04	WG2379879
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 18:04	WG2379879
(S) Toluene-d8	*122*	J1		*80.0-120*		*10/10/2024 18:04*	WG2379879

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*10/10/2024 18:04*	WG2379879
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*10/10/2024 18:04*	WG2379879

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) High Fraction	0.189		0.0247	0.100	1	10/15/2024 04:02	WG2381340
(S) o-Terphenyl	*77.5*			*52.0-156*		*10/15/2024 04:02*	WG2381340

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0547	J	0.0314	0.100	1	10/10/2024 23:04	WG2380072
(S) a,a,a-Trifluorotoluene(FID)	*103*			*78.0-120*		*10/10/2024 23:04*	WG2380072

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 18:26	WG2379879
Benzene	U		0.0000941	0.00100	1	10/10/2024 18:26	WG2379879
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 18:26	WG2379879
Bromoform	U		0.000129	0.00100	1	10/10/2024 18:26	WG2379879
Bromomethane	U		0.000605	0.00500	1	10/10/2024 18:26	WG2379879
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 18:26	WG2379879
sec-Butylbenzene	U		0.000125	0.00100	1	10/10/2024 18:26	WG2379879
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 18:26	WG2379879
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 18:26	WG2379879
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 18:26	WG2379879
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 18:26	WG2379879
Chloroethane	U	J3	0.000192	0.00500	1	10/10/2024 18:26	WG2379879
Chloroform	U		0.000111	0.00500	1	10/10/2024 18:26	WG2379879
Chloromethane	U	J3	0.000960	0.00250	1	10/10/2024 18:26	WG2379879
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 18:26	WG2379879
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 18:26	WG2379879
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 18:26	WG2379879
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 18:26	WG2379879
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 18:26	WG2379879
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 18:26	WG2379879
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 18:26	WG2379879
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 18:26	WG2379879
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 18:26	WG2379879
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 18:26	WG2379879
Isopropylbenzene	U		0.000105	0.00100	1	10/10/2024 18:26	WG2379879
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 18:26	WG2379879
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 18:26	WG2379879
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 18:26	WG2379879
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 18:26	WG2379879
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 18:26	WG2379879
Methyl tert-butyl ether	0.0735		0.000101	0.00100	1	10/10/2024 18:26	WG2379879
Naphthalene	U		0.00100	0.00500	1	10/10/2024 18:26	WG2379879
n-Propylbenzene	U		0.0000993	0.00100	1	10/10/2024 18:26	WG2379879
Styrene	U		0.000118	0.00100	1	10/10/2024 18:26	WG2379879
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 18:26	WG2379879
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 18:26	WG2379879
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 18:26	WG2379879
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 18:26	WG2379879
Toluene	U		0.000278	0.00100	1	10/10/2024 18:26	WG2379879
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 18:26	WG2379879
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 18:26	WG2379879
Trichloroethene	U	J3	0.000190	0.00100	1	10/10/2024 18:26	WG2379879
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 18:26	WG2379879
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 18:26	WG2379879
Vinyl chloride	U	J3	0.000234	0.00100	1	10/10/2024 18:26	WG2379879
o-Xylene	U		0.000174	0.00100	1	10/10/2024 18:26	WG2379879
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 18:26	WG2379879
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 18:26	WG2379879
(S) Toluene-d8	*122*	J1		*80.0-120*		*10/10/2024 18:26*	WG2379879

MW-154
Collected date/time: 10/02/24 09:45

L1784264

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*10/10/2024 18:26*	WG2379879
(S) 1,2-Dichloroethane-d4	*100*			*70.0-130*		*10/10/2024 18:26*	WG2379879

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) High Fraction	0.182		0.0247	0.100	1	10/15/2024 04:21	WG2381340
(S) o-Terphenyl	*94.0*			*52.0-156*		*10/15/2024 04:21*	WG2381340

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/10/2024 23:26	WG2380072
(S) a,a,a-Trifluorotoluene(FID)	*103*			*78.0-120*		*10/10/2024 23:26*	WG2380072

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 18:48	WG2379879
Benzene	U		0.0000941	0.00100	1	10/10/2024 18:48	WG2379879
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 18:48	WG2379879
Bromoform	U		0.000129	0.00100	1	10/10/2024 18:48	WG2379879
Bromomethane	U		0.000605	0.00500	1	10/10/2024 18:48	WG2379879
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 18:48	WG2379879
sec-Butylbenzene	U		0.000125	0.00100	1	10/10/2024 18:48	WG2379879
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 18:48	WG2379879
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 18:48	WG2379879
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 18:48	WG2379879
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 18:48	WG2379879
Chloroethane	U	J3	0.000192	0.00500	1	10/10/2024 18:48	WG2379879
Chloroform	U		0.000111	0.00500	1	10/10/2024 18:48	WG2379879
Chloromethane	U	J3	0.000960	0.00250	1	10/10/2024 18:48	WG2379879
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 18:48	WG2379879
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 18:48	WG2379879
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 18:48	WG2379879
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 18:48	WG2379879
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 18:48	WG2379879
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 18:48	WG2379879
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 18:48	WG2379879
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 18:48	WG2379879
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 18:48	WG2379879
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 18:48	WG2379879
Isopropylbenzene	U		0.000105	0.00100	1	10/10/2024 18:48	WG2379879
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 18:48	WG2379879
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 18:48	WG2379879
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 18:48	WG2379879
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 18:48	WG2379879
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 18:48	WG2379879
Methyl tert-butyl ether	0.000995	J Q	0.000101	0.00100	1	10/18/2024 00:29	WG2383333
Naphthalene	U		0.00100	0.00500	1	10/10/2024 18:48	WG2379879
n-Propylbenzene	U		0.0000993	0.00100	1	10/10/2024 18:48	WG2379879
Styrene	U		0.000118	0.00100	1	10/10/2024 18:48	WG2379879
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 18:48	WG2379879
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 18:48	WG2379879
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 18:48	WG2379879
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 18:48	WG2379879
Toluene	U		0.000278	0.00100	1	10/10/2024 18:48	WG2379879
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 18:48	WG2379879
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 18:48	WG2379879
Trichloroethene	U	J3	0.000190	0.00100	1	10/10/2024 18:48	WG2379879
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 18:48	WG2379879
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 18:48	WG2379879
Vinyl chloride	U	J3	0.000234	0.00100	1	10/10/2024 18:48	WG2379879
o-Xylene	U		0.000174	0.00100	1	10/10/2024 18:48	WG2379879
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 18:48	WG2379879
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 18:48	WG2379879
(S) Toluene-d8	*122*	J1		*80.0-120*		*10/10/2024 18:48*	WG2379879

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
(S) Toluene-d8	*112*			*80.0-120*		*10/18/2024 00:29*	WG2383333
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*10/10/2024 18:48*	WG2379879
(S) 4-Bromofluorobenzene	*99.2*			*77.0-126*		*10/18/2024 00:29*	WG2383333
(S) 1,2-Dichloroethane-d4	*100*			*70.0-130*		*10/10/2024 18:48*	WG2379879
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*10/18/2024 00:29*	WG2383333

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) High Fraction	0.0523	J	0.0247	0.100	1	10/16/2024 17:55	WG2381934
(S) o-Terphenyl	*94.5*			*52.0-156*		*10/16/2024 17:55*	WG2381934

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/10/2024 23:49	WG2380072
(S) a,a,a-Trifluorotoluene(FID)	*104*			*78.0-120*		*10/10/2024 23:49*	WG2380072

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 19:11	WG2379879
Benzene	U		0.0000941	0.00100	1	10/10/2024 19:11	WG2379879
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 19:11	WG2379879
Bromoform	U		0.000129	0.00100	1	10/10/2024 19:11	WG2379879
Bromomethane	U		0.000605	0.00500	1	10/10/2024 19:11	WG2379879
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 19:11	WG2379879
sec-Butylbenzene	U		0.000125	0.00100	1	10/10/2024 19:11	WG2379879
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 19:11	WG2379879
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 19:11	WG2379879
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 19:11	WG2379879
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 19:11	WG2379879
Chloroethane	U	J3	0.000192	0.00500	1	10/10/2024 19:11	WG2379879
Chloroform	U		0.000111	0.00500	1	10/10/2024 19:11	WG2379879
Chloromethane	U	J3	0.000960	0.00250	1	10/10/2024 19:11	WG2379879
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 19:11	WG2379879
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 19:11	WG2379879
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 19:11	WG2379879
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 19:11	WG2379879
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 19:11	WG2379879
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 19:11	WG2379879
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 19:11	WG2379879
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 19:11	WG2379879
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 19:11	WG2379879
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 19:11	WG2379879
Isopropylbenzene	U		0.000105	0.00100	1	10/10/2024 19:11	WG2379879
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 19:11	WG2379879
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 19:11	WG2379879
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 19:11	WG2379879
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 19:11	WG2379879
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 19:11	WG2379879
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/10/2024 19:11	WG2379879
Naphthalene	U		0.00100	0.00500	1	10/10/2024 19:11	WG2379879
n-Propylbenzene	U		0.0000993	0.00100	1	10/10/2024 19:11	WG2379879
Styrene	U		0.000118	0.00100	1	10/10/2024 19:11	WG2379879
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 19:11	WG2379879
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 19:11	WG2379879
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 19:11	WG2379879
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 19:11	WG2379879
Toluene	U		0.000278	0.00100	1	10/10/2024 19:11	WG2379879
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 19:11	WG2379879
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 19:11	WG2379879
Trichloroethene	U	J3	0.000190	0.00100	1	10/10/2024 19:11	WG2379879
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 19:11	WG2379879
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 19:11	WG2379879
Vinyl chloride	U	J3	0.000234	0.00100	1	10/10/2024 19:11	WG2379879
o-Xylene	U		0.000174	0.00100	1	10/10/2024 19:11	WG2379879
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 19:11	WG2379879
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 19:11	WG2379879
(S) Toluene-d8	*124*	J1		*80.0-120*		*10/10/2024 19:11*	WG2379879

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
(S) 4-Bromofluorobenzene	*107*			*77.0-126*		*10/10/2024 19:11*	WG2379879
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*10/10/2024 19:11*	WG2379879

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0306	J	0.0247	0.100	1	10/16/2024 18:15	WG2381934
(S) o-Terphenyl	*115*			*52.0-156*		*10/16/2024 18:15*	WG2381934

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	4460		50.0	1	10/07/2024 09:26	WG2376599

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	289		5.47	10.0	10	10/05/2024 07:29	WG2376117
Fluoride	0.887	J	0.761	1.50	10	10/05/2024 07:29	WG2376117
Nitrate as (N)	U	Q	0.884	1.00	10	10/05/2024 07:29	WG2376117
Nitrite as (N)	U	Q	0.794	1.00	10	10/05/2024 07:29	WG2376117
Sulfate	2850		63.7	500	100	10/05/2024 07:40	WG2376117

Sample Narrative:

L1784264-118 WG2376117: Dilution due to matrix impact on instrumentation at lower dilution

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.0000700	0.000200	1	10/09/2024 14:38	WG2376097

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron	0.724		0.0200	0.200	1	10/15/2024 19:43	WG2378641

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.00873		0.000180	0.00200	1	10/17/2024 12:17	WG2378675
Barium	0.00928		0.000381	0.00200	1	10/17/2024 12:17	WG2378675
Cadmium	0.000155	J	0.000150	0.00100	1	10/17/2024 12:17	WG2378675
Calcium	486		0.0936	1.00	1	10/17/2024 12:17	WG2378675
Chromium	U		0.00124	0.00200	1	10/17/2024 12:17	WG2378675
Cobalt	0.000259	J	0.0000596	0.00200	1	10/17/2024 12:17	WG2378675
Iron	0.424	B	0.0281	0.100	1	10/17/2024 12:17	WG2378675
Lead	U		0.000849	0.00200	1	10/17/2024 12:17	WG2378675
Manganese	0.0134	B	0.000704	0.00500	1	10/17/2024 12:17	WG2378675
Nickel	0.00235	B	0.000816	0.00200	1	10/17/2024 12:17	WG2378675
Potassium	1.84	J	0.108	2.00	1	10/17/2024 12:17	WG2378675
Selenium	0.00444		0.000300	0.00200	1	10/17/2024 12:17	WG2378675
Sodium	239		0.376	2.00	1	10/17/2024 12:17	WG2378675
Uranium	0.0415		0.0000789	0.00100	1	10/17/2024 12:17	WG2378675
Vanadium	0.0227		0.000664	0.00500	1	10/17/2024 12:17	WG2378675

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/11/2024 00:12	WG2380072
(S) a,a,a-Trifluorotoluene(FID)	*104*			*78.0-120*		*10/11/2024 00:12*	WG2380072

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 19:33	WG2379879
Benzene	U		0.0000941	0.00100	1	10/10/2024 19:33	WG2379879
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 19:33	WG2379879
Bromoform	U		0.000129	0.00100	1	10/10/2024 19:33	WG2379879
Bromomethane	U		0.000605	0.00500	1	10/10/2024 19:33	WG2379879
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 19:33	WG2379879
sec-Butylbenzene	U		0.000125	0.00100	1	10/10/2024 19:33	WG2379879
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 19:33	WG2379879
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 19:33	WG2379879
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 19:33	WG2379879
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 19:33	WG2379879
Chloroethane	U	J3	0.000192	0.00500	1	10/10/2024 19:33	WG2379879
Chloroform	U		0.000111	0.00500	1	10/10/2024 19:33	WG2379879
Chloromethane	U	J3	0.000960	0.00250	1	10/10/2024 19:33	WG2379879
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 19:33	WG2379879
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 19:33	WG2379879
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 19:33	WG2379879
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 19:33	WG2379879
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 19:33	WG2379879
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 19:33	WG2379879
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 19:33	WG2379879
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 19:33	WG2379879
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 19:33	WG2379879
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 19:33	WG2379879
Isopropylbenzene	U		0.000105	0.00100	1	10/10/2024 19:33	WG2379879
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 19:33	WG2379879
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 19:33	WG2379879
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 19:33	WG2379879
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 19:33	WG2379879
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 19:33	WG2379879
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/10/2024 19:33	WG2379879
Naphthalene	U		0.00100	0.00500	1	10/10/2024 19:33	WG2379879
n-Propylbenzene	U		0.0000993	0.00100	1	10/10/2024 19:33	WG2379879
Styrene	U		0.000118	0.00100	1	10/10/2024 19:33	WG2379879
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 19:33	WG2379879
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 19:33	WG2379879
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 19:33	WG2379879
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 19:33	WG2379879
Toluene	U		0.000278	0.00100	1	10/10/2024 19:33	WG2379879
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 19:33	WG2379879
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 19:33	WG2379879
Trichloroethene	U	J3	0.000190	0.00100	1	10/10/2024 19:33	WG2379879
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 19:33	WG2379879
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 19:33	WG2379879
Vinyl chloride	U	J3	0.000234	0.00100	1	10/10/2024 19:33	WG2379879
o-Xylene	U		0.000174	0.00100	1	10/10/2024 19:33	WG2379879
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 19:33	WG2379879
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 19:33	WG2379879
(S) Toluene-d8	*123*	J1		*80.0-120*		*10/10/2024 19:33*	WG2379879
(S) 4-Bromofluorobenzene	*107*			*77.0-126*		*10/10/2024 19:33*	WG2379879
(S) 1,2-Dichloroethane-d4	*99.2*			*70.0-130*		*10/10/2024 19:33*	WG2379879

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0555	J	0.0247	0.100	1	10/16/2024 18:36	WG2381934

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
(S) o-Terphenyl	*87.0*			*52.0-156*		*10/16/2024 18:36*	WG2381934

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/16/2024 22:22	WG2383329
Benzene	U		0.0000941	0.00100	1	10/16/2024 22:22	WG2383329
Bromodichloromethane	U		0.000136	0.00100	1	10/16/2024 22:22	WG2383329
Bromoform	U		0.000129	0.00100	1	10/16/2024 22:22	WG2383329
Bromomethane	U		0.000605	0.00500	1	10/16/2024 22:22	WG2383329
n-Butylbenzene	U		0.000157	0.00100	1	10/16/2024 22:22	WG2383329
sec-Butylbenzene	U		0.000125	0.00100	1	10/16/2024 22:22	WG2383329
Carbon disulfide	U		0.0000962	0.00100	1	10/16/2024 22:22	WG2383329
Carbon tetrachloride	U		0.000128	0.00100	1	10/16/2024 22:22	WG2383329
Chlorobenzene	U		0.000116	0.00100	1	10/16/2024 22:22	WG2383329
Chlorodibromomethane	U		0.000140	0.00100	1	10/16/2024 22:22	WG2383329
Chloroethane	U		0.000192	0.00500	1	10/16/2024 22:22	WG2383329
Chloroform	U		0.000111	0.00500	1	10/16/2024 22:22	WG2383329
Chloromethane	U		0.000960	0.00250	1	10/16/2024 22:22	WG2383329
1,2-Dibromoethane	U		0.000126	0.00100	1	10/16/2024 22:22	WG2383329
1,1-Dichloroethane	U		0.000100	0.00100	1	10/16/2024 22:22	WG2383329
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/16/2024 22:22	WG2383329
1,1-Dichloroethene	U		0.000188	0.00100	1	10/16/2024 22:22	WG2383329
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/16/2024 22:22	WG2383329
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/16/2024 22:22	WG2383329
1,2-Dichloropropane	U		0.000149	0.00100	1	10/16/2024 22:22	WG2383329
cis-1,3-Dichloropropene	U	J4	0.000111	0.00100	1	10/16/2024 22:22	WG2383329
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/16/2024 22:22	WG2383329
Ethylbenzene	U		0.000137	0.00100	1	10/16/2024 22:22	WG2383329
Isopropylbenzene	U		0.000105	0.00100	1	10/16/2024 22:22	WG2383329
p-Isopropyltoluene	U		0.000120	0.00100	1	10/16/2024 22:22	WG2383329
2-Butanone (MEK)	U		0.00119	0.0100	1	10/16/2024 22:22	WG2383329
2-Hexanone	U		0.000787	0.0100	1	10/16/2024 22:22	WG2383329
Methylene Chloride	0.000747	J	0.000430	0.00500	1	10/16/2024 22:22	WG2383329
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/16/2024 22:22	WG2383329
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/16/2024 22:22	WG2383329
Naphthalene	U		0.00100	0.00500	1	10/16/2024 22:22	WG2383329
n-Propylbenzene	U		0.0000993	0.00100	1	10/16/2024 22:22	WG2383329
Styrene	U	J4	0.000118	0.00100	1	10/16/2024 22:22	WG2383329
tert-Butyl alcohol	U		0.00406	0.00500	1	10/16/2024 22:22	WG2383329
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/16/2024 22:22	WG2383329
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/16/2024 22:22	WG2383329
Tetrachloroethene	U		0.000300	0.00100	1	10/16/2024 22:22	WG2383329
Toluene	U		0.000278	0.00100	1	10/16/2024 22:22	WG2383329
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/16/2024 22:22	WG2383329
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/16/2024 22:22	WG2383329
Trichloroethene	U		0.000190	0.00100	1	10/16/2024 22:22	WG2383329
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/16/2024 22:22	WG2383329
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/16/2024 22:22	WG2383329
Vinyl chloride	U		0.000234	0.00100	1	10/16/2024 22:22	WG2383329
o-Xylene	U		0.000174	0.00100	1	10/16/2024 22:22	WG2383329
m&p-Xylene	U		0.000430	0.00200	1	10/16/2024 22:22	WG2383329
Xylenes, Total	U		0.000174	0.00300	1	10/16/2024 22:22	WG2383329
(S) Toluene-d8	*104*			*80.0-120*		*10/16/2024 22:22*	WG2383329
(S) 4-Bromofluorobenzene	*93.0*			*77.0-126*		*10/16/2024 22:22*	WG2383329
(S) 1,2-Dichloroethane-d4	*93.9*			*70.0-130*		*10/16/2024 22:22*	WG2383329

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.601		0.0314	0.100	1	10/11/2024 00:35	WG2380072
(S) a,a,a-Trifluorotoluene(FID)	*103*			*78.0-120*		*10/11/2024 00:35*	WG2380072

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 19:55	WG2379879
Benzene	U		0.0000941	0.00100	1	10/10/2024 19:55	WG2379879
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 19:55	WG2379879
Bromoform	U		0.000129	0.00100	1	10/10/2024 19:55	WG2379879
Bromomethane	U		0.000605	0.00500	1	10/10/2024 19:55	WG2379879
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 19:55	WG2379879
sec-Butylbenzene	U		0.000125	0.00100	1	10/10/2024 19:55	WG2379879
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 19:55	WG2379879
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 19:55	WG2379879
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 19:55	WG2379879
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 19:55	WG2379879
Chloroethane	U	J3	0.000192	0.00500	1	10/10/2024 19:55	WG2379879
Chloroform	U		0.000111	0.00500	1	10/10/2024 19:55	WG2379879
Chloromethane	U	J3	0.000960	0.00250	1	10/10/2024 19:55	WG2379879
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 19:55	WG2379879
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 19:55	WG2379879
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 19:55	WG2379879
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 19:55	WG2379879
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 19:55	WG2379879
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 19:55	WG2379879
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 19:55	WG2379879
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 19:55	WG2379879
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 19:55	WG2379879
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 19:55	WG2379879
Isopropylbenzene	U		0.000105	0.00100	1	10/10/2024 19:55	WG2379879
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 19:55	WG2379879
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 19:55	WG2379879
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 19:55	WG2379879
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 19:55	WG2379879
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 19:55	WG2379879
Methyl tert-butyl ether	0.659	Q	0.00505	0.0500	50	10/18/2024 02:14	WG2383333
Naphthalene	U		0.00100	0.00500	1	10/10/2024 19:55	WG2379879
n-Propylbenzene	U		0.0000993	0.00100	1	10/10/2024 19:55	WG2379879
Styrene	U		0.000118	0.00100	1	10/10/2024 19:55	WG2379879
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 19:55	WG2379879
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 19:55	WG2379879
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 19:55	WG2379879
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 19:55	WG2379879
Toluene	U		0.000278	0.00100	1	10/10/2024 19:55	WG2379879
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 19:55	WG2379879
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 19:55	WG2379879
Trichloroethene	U	J3	0.000190	0.00100	1	10/10/2024 19:55	WG2379879
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 19:55	WG2379879
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 19:55	WG2379879
Vinyl chloride	U	J3	0.000234	0.00100	1	10/10/2024 19:55	WG2379879
o-Xylene	U		0.000174	0.00100	1	10/10/2024 19:55	WG2379879
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 19:55	WG2379879
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 19:55	WG2379879
(S) Toluene-d8	*123*	J1		*80.0-120*		*10/10/2024 19:55*	WG2379879

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
(S) Toluene-d8	*111*			*80.0-120*		*10/18/2024 02:14*	WG2383333
(S) 4-Bromofluorobenzene	*107*			*77.0-126*		*10/10/2024 19:55*	WG2379879
(S) 4-Bromofluorobenzene	*93.3*			*77.0-126*		*10/18/2024 02:14*	WG2383333
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*10/10/2024 19:55*	WG2379879
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*10/18/2024 02:14*	WG2383333

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.253		0.0247	0.100	1	10/16/2024 18:56	WG2381934
(S) o-Terphenyl	*130*			*52.0-156*		*10/16/2024 18:56*	WG2381934

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3350		50.0	1	10/07/2024 09:26	WG2376599

Wet Chemistry by Method 4500CN E-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Cyanide	U		0.00180	0.00500	1	10/07/2024 16:26	WG2376830

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	212		5.47	10.0	10	10/05/2024 07:51	WG2376117
Fluoride	1.00	J	0.761	1.50	10	10/05/2024 07:51	WG2376117
Nitrate as (N)	U	Q	0.884	1.00	10	10/05/2024 07:51	WG2376117
Nitrite as (N)	U	Q	0.794	1.00	10	10/05/2024 07:51	WG2376117
Sulfate	2010		63.7	500	100	10/05/2024 08:02	WG2376117

Sample Narrative:

L1784264-121 WG2376117: Dilution due to matrix impact on instrumentation at lower dilution

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.0000700	0.000200	1	10/09/2024 14:40	WG2376097

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.681		0.0200	0.200	1	10/15/2024 19:44	WG2378641

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00359		0.000180	0.00200	1	10/18/2024 23:14	WG2378677
Barium	0.00969		0.000381	0.00200	1	10/18/2024 23:14	WG2378677
Cadmium	U		0.000150	0.00100	1	10/18/2024 23:14	WG2378677
Calcium	381		0.0936	1.00	1	10/18/2024 23:14	WG2378677
Chromium	U		0.00124	0.00200	1	10/18/2024 23:14	WG2378677
Cobalt	0.00564		0.0000596	0.00200	1	10/18/2024 23:14	WG2378677
Iron	0.0615	J	0.0281	0.100	1	10/18/2024 23:14	WG2378677
Lead	0.00142	J	0.000849	0.00200	1	10/18/2024 23:14	WG2378677
Manganese	0.314		0.000704	0.00500	1	10/18/2024 23:14	WG2378677
Nickel	0.00700		0.000816	0.00200	1	10/18/2024 23:14	WG2378677
Potassium	0.822	J	0.108	2.00	1	10/18/2024 23:14	WG2378677
Selenium	U		0.000300	0.00200	1	10/18/2024 23:14	WG2378677
Sodium	217		0.376	2.00	1	10/18/2024 23:14	WG2378677
Uranium	0.00793		0.0000789	0.00100	1	10/18/2024 23:14	WG2378677
Vanadium	0.0201		0.000664	0.00500	1	10/18/2024 23:14	WG2378677

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 20:18	WG2379879
Benzene	U		0.0000941	0.00100	1	10/10/2024 20:18	WG2379879
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 20:18	WG2379879
Bromoform	U		0.000129	0.00100	1	10/10/2024 20:18	WG2379879
Bromomethane	U		0.000605	0.00500	1	10/10/2024 20:18	WG2379879
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 20:18	WG2379879
sec-Butylbenzene	0.00115		0.000125	0.00100	1	10/10/2024 20:18	WG2379879
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 20:18	WG2379879
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 20:18	WG2379879
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 20:18	WG2379879
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 20:18	WG2379879
Chloroethane	U	J3	0.000192	0.00500	1	10/10/2024 20:18	WG2379879
Chloroform	U		0.000111	0.00500	1	10/10/2024 20:18	WG2379879
Chloromethane	U	J3	0.000960	0.00250	1	10/10/2024 20:18	WG2379879
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 20:18	WG2379879
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 20:18	WG2379879
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 20:18	WG2379879
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 20:18	WG2379879
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 20:18	WG2379879
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 20:18	WG2379879
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 20:18	WG2379879
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 20:18	WG2379879
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 20:18	WG2379879
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 20:18	WG2379879
Isopropylbenzene	0.000714	J	0.000105	0.00100	1	10/10/2024 20:18	WG2379879
p-Isopropyltoluene	0.00241		0.000120	0.00100	1	10/10/2024 20:18	WG2379879
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 20:18	WG2379879
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 20:18	WG2379879
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 20:18	WG2379879
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 20:18	WG2379879
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/10/2024 20:18	WG2379879
Naphthalene	0.00479	J	0.00100	0.00500	1	10/10/2024 20:18	WG2379879
n-Propylbenzene	0.000452	J	0.0000993	0.00100	1	10/10/2024 20:18	WG2379879
Styrene	U		0.000118	0.00100	1	10/10/2024 20:18	WG2379879
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 20:18	WG2379879
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 20:18	WG2379879
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 20:18	WG2379879
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 20:18	WG2379879
Toluene	U		0.000278	0.00100	1	10/10/2024 20:18	WG2379879
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 20:18	WG2379879
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 20:18	WG2379879
Trichloroethene	U	J3	0.000190	0.00100	1	10/10/2024 20:18	WG2379879
1,2,4-Trimethylbenzene	0.0343		0.000322	0.00100	1	10/10/2024 20:18	WG2379879
1,3,5-Trimethylbenzene	0.00659		0.000104	0.00100	1	10/10/2024 20:18	WG2379879
Vinyl chloride	U	J3	0.000234	0.00100	1	10/10/2024 20:18	WG2379879
o-Xylene	U		0.000174	0.00100	1	10/10/2024 20:18	WG2379879
m&p-Xylene	0.0130		0.000430	0.00200	1	10/10/2024 20:18	WG2379879
Xylenes, Total	0.0130		0.000174	0.00300	1	10/10/2024 20:18	WG2379879
(S) Toluene-d8	*115*			*80.0-120*		*10/10/2024 20:18*	WG2379879
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*10/10/2024 20:18*	WG2379879
(S) 1,2-Dichloroethane-d4	*99.3*			*70.0-130*		*10/10/2024 20:18*	WG2379879

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.355		0.0247	0.100	1	10/16/2024 19:17	WG2381934

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
(S) o-Terphenyl	*103*			*52.0-156*		*10/16/2024 19:17*	WG2381934

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3790		50.0	1	10/07/2024 09:26	WG2376599

Wet Chemistry by Method 4500CN E-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Cyanide	0.500		0.00900	0.0250	5	10/07/2024 16:27	WG2376830

Sample Narrative:

L1784264-122 WG2376830: Dilution due to matrix

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	132		5.47	10.0	10	10/05/2024 08:12	WG2376117
Fluoride	U		0.761	1.50	10	10/05/2024 08:12	WG2376117
Nitrate as (N)	1.87	B Q	0.884	1.00	10	10/05/2024 08:12	WG2376117
Nitrite as (N)	U	Q	0.794	1.00	10	10/05/2024 08:12	WG2376117
Sulfate	2490		63.7	500	100	10/05/2024 08:23	WG2376117

Sample Narrative:

L1784264-122 WG2376117: Dilution due to matrix impact on instrumentation at lower dilution

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.0000700	0.000200	1	10/09/2024 14:43	WG2376097

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.646		0.0200	0.200	1	10/15/2024 19:50	WG2378641

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00170	J	0.000180	0.00200	1	10/18/2024 23:17	WG2378677
Barium	0.00902		0.000381	0.00200	1	10/18/2024 23:17	WG2378677
Cadmium	U		0.000150	0.00100	1	10/18/2024 23:17	WG2378677
Calcium	546		0.0936	1.00	1	10/18/2024 23:17	WG2378677
Chromium	0.00154	B J	0.00124	0.00200	1	10/18/2024 23:17	WG2378677
Cobalt	U		0.0000596	0.00200	1	10/18/2024 23:17	WG2378677
Iron	U		0.0281	0.100	1	10/18/2024 23:17	WG2378677
Lead	U		0.000849	0.00200	1	10/18/2024 23:17	WG2378677
Manganese	U		0.000704	0.00500	1	10/18/2024 23:17	WG2378677
Nickel	U		0.000816	0.00200	1	10/18/2024 23:17	WG2378677
Potassium	0.659	J	0.108	2.00	1	10/18/2024 23:17	WG2378677
Selenium	0.00176	J	0.000300	0.00200	1	10/18/2024 23:17	WG2378677
Sodium	154		0.376	2.00	1	10/18/2024 23:17	WG2378677
Uranium	0.0322		0.0000789	0.00100	1	10/18/2024 23:17	WG2378677
Vanadium	0.0135		0.000664	0.00500	1	10/18/2024 23:17	WG2378677

Received by OCD: 6/12/2025 1:19:15 PM

KWD-12B
Collected date/time: 10/02/24 12:15
L1784264

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/11/2024 00:57	WG2380072
(S) a,a,a-Trifluorotoluene(FID)	*102*			*78.0-120*		*10/11/2024 00:57*	WG2380072

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 20:40	WG2379879
Benzene	U		0.0000941	0.00100	1	10/10/2024 20:40	WG2379879
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 20:40	WG2379879
Bromoform	U		0.000129	0.00100	1	10/10/2024 20:40	WG2379879
Bromomethane	U		0.000605	0.00500	1	10/10/2024 20:40	WG2379879
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 20:40	WG2379879
sec-Butylbenzene	U		0.000125	0.00100	1	10/10/2024 20:40	WG2379879
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 20:40	WG2379879
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 20:40	WG2379879
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 20:40	WG2379879
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 20:40	WG2379879
Chloroethane	U	J3	0.000192	0.00500	1	10/10/2024 20:40	WG2379879
Chloroform	U		0.000111	0.00500	1	10/10/2024 20:40	WG2379879
Chloromethane	U	J3	0.000960	0.00250	1	10/10/2024 20:40	WG2379879
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 20:40	WG2379879
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 20:40	WG2379879
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 20:40	WG2379879
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 20:40	WG2379879
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 20:40	WG2379879
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 20:40	WG2379879
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 20:40	WG2379879
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 20:40	WG2379879
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 20:40	WG2379879
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 20:40	WG2379879
Isopropylbenzene	U		0.000105	0.00100	1	10/10/2024 20:40	WG2379879
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 20:40	WG2379879
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 20:40	WG2379879
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 20:40	WG2379879
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 20:40	WG2379879
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 20:40	WG2379879
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/10/2024 20:40	WG2379879
Naphthalene	U		0.00100	0.00500	1	10/10/2024 20:40	WG2379879
n-Propylbenzene	U		0.0000993	0.00100	1	10/10/2024 20:40	WG2379879
Styrene	U		0.000118	0.00100	1	10/10/2024 20:40	WG2379879
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 20:40	WG2379879
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 20:40	WG2379879
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 20:40	WG2379879
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 20:40	WG2379879
Toluene	U		0.000278	0.00100	1	10/10/2024 20:40	WG2379879
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 20:40	WG2379879
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 20:40	WG2379879
Trichloroethene	U	J3	0.000190	0.00100	1	10/10/2024 20:40	WG2379879
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 20:40	WG2379879
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 20:40	WG2379879
Vinyl chloride	U	J3	0.000234	0.00100	1	10/10/2024 20:40	WG2379879
o-Xylene	U		0.000174	0.00100	1	10/10/2024 20:40	WG2379879
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 20:40	WG2379879
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 20:40	WG2379879
(S) Toluene-d8	*123*	J1		*80.0-120*		*10/10/2024 20:40*	WG2379879

Released to Imaging: 6/17/2025 4:41:11 PM

KWD-12B
Collected date/time: 10/02/24 12:15
L1784264

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*10/10/2024 20:40*	WG2379879
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*10/10/2024 20:40*	WG2379879

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	10/16/2024 19:37	WG2381934
(S) o-Terphenyl	*91.5*			*52.0-156*		*10/16/2024 19:37*	WG2381934

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3790		50.0	1	10/07/2024 09:26	WG2376599

Wet Chemistry by Method 4500CN E-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Cyanide	0.535		0.00900	0.0250	5	10/07/2024 16:29	WG2376830

Sample Narrative:

L1784264-123 WG2376830: Dilution due to matrix

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	132		5.47	10.0	10	10/05/2024 08:34	WG2376117
Fluoride	U		0.761	1.50	10	10/05/2024 08:34	WG2376117
Nitrate as (N)	1.85	B Q	0.884	1.00	10	10/05/2024 08:34	WG2376117
Nitrite as (N)	U	Q	0.794	1.00	10	10/05/2024 08:34	WG2376117
Sulfate	2490		63.7	500	100	10/05/2024 08:45	WG2376117

Sample Narrative:

L1784264-123 WG2376117: Dilution due to matrix impact on instrumentation at lower dilution

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.0000700	0.000200	1	10/09/2024 14:45	WG2376097

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.652		0.0200	0.200	1	10/15/2024 19:51	WG2378641

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00175	J	0.000180	0.00200	1	10/18/2024 23:21	WG2378677
Barium	0.00858		0.000381	0.00200	1	10/18/2024 23:21	WG2378677
Cadmium	U		0.000150	0.00100	1	10/18/2024 23:21	WG2378677
Calcium	552		0.0936	1.00	1	10/18/2024 23:21	WG2378677
Chromium	0.00186	B J	0.00124	0.00200	1	10/18/2024 23:21	WG2378677
Cobalt	0.0000689	J	0.0000596	0.00200	1	10/18/2024 23:21	WG2378677
Iron	U		0.0281	0.100	1	10/18/2024 23:21	WG2378677
Lead	U		0.000849	0.00200	1	10/18/2024 23:21	WG2378677
Manganese	0.00100	J	0.000704	0.00500	1	10/18/2024 23:21	WG2378677
Nickel	0.000828	J	0.000816	0.00200	1	10/18/2024 23:21	WG2378677
Potassium	0.682	J	0.108	2.00	1	10/18/2024 23:21	WG2378677
Selenium	0.00184	J	0.000300	0.00200	1	10/18/2024 23:21	WG2378677
Sodium	153		0.376	2.00	1	10/18/2024 23:21	WG2378677
Uranium	0.0324		0.0000789	0.00100	1	10/18/2024 23:21	WG2378677
Vanadium	0.0139		0.000664	0.00500	1	10/18/2024 23:21	WG2378677

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/11/2024 01:20	WG2380072
(S) a,a,a-Trifluorotoluene(FID)	*99.2*			*78.0-120*		*10/11/2024 01:20*	WG2380072

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 21:02	WG2379879
Benzene	U		0.0000941	0.00100	1	10/10/2024 21:02	WG2379879
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 21:02	WG2379879
Bromoform	U		0.000129	0.00100	1	10/10/2024 21:02	WG2379879
Bromomethane	U		0.000605	0.00500	1	10/10/2024 21:02	WG2379879
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 21:02	WG2379879
sec-Butylbenzene	U		0.000125	0.00100	1	10/10/2024 21:02	WG2379879
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 21:02	WG2379879
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 21:02	WG2379879
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 21:02	WG2379879
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 21:02	WG2379879
Chloroethane	U	J3	0.000192	0.00500	1	10/10/2024 21:02	WG2379879
Chloroform	U		0.000111	0.00500	1	10/10/2024 21:02	WG2379879
Chloromethane	U	J3	0.000960	0.00250	1	10/10/2024 21:02	WG2379879
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 21:02	WG2379879
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 21:02	WG2379879
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 21:02	WG2379879
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 21:02	WG2379879
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 21:02	WG2379879
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 21:02	WG2379879
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 21:02	WG2379879
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 21:02	WG2379879
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 21:02	WG2379879
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 21:02	WG2379879
Isopropylbenzene	U		0.000105	0.00100	1	10/10/2024 21:02	WG2379879
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 21:02	WG2379879
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 21:02	WG2379879
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 21:02	WG2379879
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 21:02	WG2379879
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 21:02	WG2379879
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/10/2024 21:02	WG2379879
Naphthalene	U		0.00100	0.00500	1	10/10/2024 21:02	WG2379879
n-Propylbenzene	U		0.0000993	0.00100	1	10/10/2024 21:02	WG2379879
Styrene	U		0.000118	0.00100	1	10/10/2024 21:02	WG2379879
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 21:02	WG2379879
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 21:02	WG2379879
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 21:02	WG2379879
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 21:02	WG2379879
Toluene	U		0.000278	0.00100	1	10/10/2024 21:02	WG2379879
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 21:02	WG2379879
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 21:02	WG2379879
Trichloroethene	U	J3	0.000190	0.00100	1	10/10/2024 21:02	WG2379879
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 21:02	WG2379879
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 21:02	WG2379879
Vinyl chloride	U	J3	0.000234	0.00100	1	10/10/2024 21:02	WG2379879
o-Xylene	U		0.000174	0.00100	1	10/10/2024 21:02	WG2379879
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 21:02	WG2379879
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 21:02	WG2379879
(S) Toluene-d8	*124*	J1		*80.0-120*		*10/10/2024 21:02*	WG2379879

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*10/10/2024 21:02*	WG2379879
(S) 1,2-Dichloroethane-d4	*97.1*			*70.0-130*		*10/10/2024 21:02*	WG2379879

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	10/16/2024 19:57	WG2381934
(S) o-Terphenyl	*104*			*52.0-156*		*10/16/2024 19:57*	WG2381934

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	ND		10.0	1	10/07/2024 09:26	WG2376599

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Cyanide	0.00373	J	0.00180	0.00500	1	10/07/2024 16:30	WG2376830

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	U		0.547	1.00	1	10/05/2024 09:18	WG2376117
Fluoride	U	P1	0.0761	0.150	1	10/05/2024 09:18	WG2376117
Nitrate as (N)	0.116	B Q	0.0884	0.100	1	10/05/2024 09:18	WG2376117
Nitrite as (N)	U	Q	0.0794	0.100	1	10/05/2024 09:18	WG2376117
Sulfate	U		0.637	5.00	1	10/05/2024 09:18	WG2376117

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.0000700	0.000200	1	10/09/2024 15:20	WG2376097

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron	U		0.0200	0.200	1	10/15/2024 19:53	WG2378641

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	U		0.000180	0.00200	1	10/18/2024 23:24	WG2378677
Barium	U		0.000381	0.00200	1	10/18/2024 23:24	WG2378677
Cadmium	U		0.000150	0.00100	1	10/18/2024 23:24	WG2378677
Calcium	U		0.0936	1.00	1	10/18/2024 23:24	WG2378677
Chromium	0.00126	B J	0.00124	0.00200	1	10/18/2024 23:24	WG2378677
Cobalt	U		0.0000596	0.00200	1	10/18/2024 23:24	WG2378677
Iron	U		0.0281	0.100	1	10/18/2024 23:24	WG2378677
Lead	U		0.000849	0.00200	1	10/18/2024 23:24	WG2378677
Manganese	U		0.000704	0.00500	1	10/18/2024 23:24	WG2378677
Nickel	U		0.000816	0.00200	1	10/18/2024 23:24	WG2378677
Potassium	U		0.108	2.00	1	10/18/2024 23:24	WG2378677
Selenium	U		0.000300	0.00200	1	10/18/2024 23:24	WG2378677
Sodium	0.422	J	0.376	2.00	1	10/18/2024 23:24	WG2378677
Uranium	U		0.0000789	0.00100	1	10/18/2024 23:24	WG2378677
Vanadium	U		0.000664	0.00500	1	10/18/2024 23:24	WG2378677

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/10/2024 22:18	WG2380072
(S) a,a,a-Trifluorotoluene(FID)	*103*			*78.0-120*		*10/10/2024 22:18*	WG2380072

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 17:20	WG2379879
Benzene	U		0.0000941	0.00100	1	10/10/2024 17:20	WG2379879
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 17:20	WG2379879
Bromoform	U		0.000129	0.00100	1	10/10/2024 17:20	WG2379879
Bromomethane	U		0.000605	0.00500	1	10/10/2024 17:20	WG2379879
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 17:20	WG2379879
sec-Butylbenzene	U		0.000125	0.00100	1	10/10/2024 17:20	WG2379879
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 17:20	WG2379879
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 17:20	WG2379879
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 17:20	WG2379879
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 17:20	WG2379879
Chloroethane	U	J3	0.000192	0.00500	1	10/10/2024 17:20	WG2379879
Chloroform	U		0.000111	0.00500	1	10/10/2024 17:20	WG2379879
Chloromethane	U	J3	0.000960	0.00250	1	10/10/2024 17:20	WG2379879
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 17:20	WG2379879
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 17:20	WG2379879
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 17:20	WG2379879
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 17:20	WG2379879
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 17:20	WG2379879
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 17:20	WG2379879
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 17:20	WG2379879
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 17:20	WG2379879
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 17:20	WG2379879
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 17:20	WG2379879
Isopropylbenzene	U		0.000105	0.00100	1	10/10/2024 17:20	WG2379879
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 17:20	WG2379879
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 17:20	WG2379879
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 17:20	WG2379879
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 17:20	WG2379879
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 17:20	WG2379879
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/10/2024 17:20	WG2379879
Naphthalene	U		0.00100	0.00500	1	10/10/2024 17:20	WG2379879
n-Propylbenzene	U		0.0000993	0.00100	1	10/10/2024 17:20	WG2379879
Styrene	U		0.000118	0.00100	1	10/10/2024 17:20	WG2379879
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 17:20	WG2379879
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 17:20	WG2379879
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 17:20	WG2379879
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 17:20	WG2379879
Toluene	U		0.000278	0.00100	1	10/10/2024 17:20	WG2379879
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 17:20	WG2379879
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 17:20	WG2379879
Trichloroethene	U	J3	0.000190	0.00100	1	10/10/2024 17:20	WG2379879
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 17:20	WG2379879
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 17:20	WG2379879
Vinyl chloride	U	J3	0.000234	0.00100	1	10/10/2024 17:20	WG2379879
o-Xylene	U		0.000174	0.00100	1	10/10/2024 17:20	WG2379879
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 17:20	WG2379879
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 17:20	WG2379879
(S) Toluene-d8	*125*	J1		*80.0-120*		*10/10/2024 17:20*	WG2379879
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*10/10/2024 17:20*	WG2379879
(S) 1,2-Dichloroethane-d4	*99.6*			*70.0-130*		*10/10/2024 17:20*	WG2379879

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0247	0.100	1	10/16/2024 20:18	WG2381934

Received by OCD: 6/12/2025 1:19:15 PM

LB-RESI-05
Collected date/time: 10/02/24 12:35
L1784264

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
(S) o-Terphenyl	*118*			*52.0-156*		*10/16/2024 20:18*	WG2381934

Released to Imaging: 6/17/2025 4:41:11 PM

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 16:35	WG2379879
Benzene	U		0.0000941	0.00100	1	10/10/2024 16:35	WG2379879
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 16:35	WG2379879
Bromoform	U		0.000129	0.00100	1	10/10/2024 16:35	WG2379879
Bromomethane	U		0.000605	0.00500	1	10/10/2024 16:35	WG2379879
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 16:35	WG2379879
sec-Butylbenzene	U		0.000125	0.00100	1	10/10/2024 16:35	WG2379879
Carbon disulfide	0.000289	J	0.0000962	0.00100	1	10/10/2024 16:35	WG2379879
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 16:35	WG2379879
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 16:35	WG2379879
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 16:35	WG2379879
Chloroethane	U	J3	0.000192	0.00500	1	10/10/2024 16:35	WG2379879
Chloroform	U		0.000111	0.00500	1	10/10/2024 16:35	WG2379879
Chloromethane	U	J3	0.000960	0.00250	1	10/10/2024 16:35	WG2379879
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 16:35	WG2379879
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 16:35	WG2379879
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 16:35	WG2379879
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 16:35	WG2379879
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 16:35	WG2379879
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 16:35	WG2379879
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 16:35	WG2379879
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 16:35	WG2379879
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 16:35	WG2379879
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 16:35	WG2379879
Isopropylbenzene	U		0.000105	0.00100	1	10/10/2024 16:35	WG2379879
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 16:35	WG2379879
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 16:35	WG2379879
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 16:35	WG2379879
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 16:35	WG2379879
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 16:35	WG2379879
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/10/2024 16:35	WG2379879
Naphthalene	U		0.00100	0.00500	1	10/10/2024 16:35	WG2379879
n-Propylbenzene	U		0.0000993	0.00100	1	10/10/2024 16:35	WG2379879
Styrene	U		0.000118	0.00100	1	10/10/2024 16:35	WG2379879
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 16:35	WG2379879
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 16:35	WG2379879
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 16:35	WG2379879
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 16:35	WG2379879
Toluene	U		0.000278	0.00100	1	10/10/2024 16:35	WG2379879
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 16:35	WG2379879
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 16:35	WG2379879
Trichloroethene	U	J3	0.000190	0.00100	1	10/10/2024 16:35	WG2379879
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 16:35	WG2379879
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 16:35	WG2379879
Vinyl chloride	U	J3	0.000234	0.00100	1	10/10/2024 16:35	WG2379879
o-Xylene	U		0.000174	0.00100	1	10/10/2024 16:35	WG2379879
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 16:35	WG2379879
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 16:35	WG2379879
(S) Toluene-d8	*125*	J1		*80.0-120*		*10/10/2024 16:35*	WG2379879
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*10/10/2024 16:35*	WG2379879
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*10/10/2024 16:35*	WG2379879

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1890		25.0	1	10/07/2024 09:26	WG2376599

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	145	J6	0.547	1.00	1	10/05/2024 10:02	WG2376117
Fluoride	0.835		0.0761	0.150	1	10/05/2024 10:02	WG2376117
Nitrate as (N)	U	Q	0.0884	0.100	1	10/05/2024 10:02	WG2376117
Nitrite as (N)	U	Q	0.0794	0.100	1	10/05/2024 10:02	WG2376117
Sulfate	717		6.37	50.0	10	10/05/2024 10:34	WG2376117

Sample Narrative:

L1784264-126 WG2376117: Dilution due to matrix impact on instrumentation at lower dilution

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00687		0.000180	0.00200	1	10/18/2024 23:39	WG2378677
Barium	0.0794		0.000381	0.00200	1	10/18/2024 23:39	WG2378677
Calcium	225		0.0936	1.00	1	10/18/2024 23:39	WG2378677
Chromium	0.00267	B	0.00124	0.00200	1	10/18/2024 23:39	WG2378677
Iron	0.217		0.0281	0.100	1	10/18/2024 23:39	WG2378677
Lead	0.00424		0.000849	0.00200	1	10/18/2024 23:39	WG2378677
Manganese	0.00816		0.000704	0.00500	1	10/18/2024 23:39	WG2378677
Potassium	1.64	J	0.108	2.00	1	10/18/2024 23:39	WG2378677
Selenium	U		0.000300	0.00200	1	10/18/2024 23:39	WG2378677
Sodium	173		0.376	2.00	1	10/18/2024 23:39	WG2378677

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	11.4		0.785	2.50	25	10/11/2024 05:07	WG2380072
(S) a,a,a-Trifluorotoluene(FID)	*100*			*78.0-120*		*10/11/2024 05:07*	WG2380072

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		5.65	25.0	500	10/10/2024 23:15	WG2379879
Benzene	7.17		0.0471	0.500	500	10/10/2024 23:15	WG2379879
Bromodichloromethane	U		0.0680	0.500	500	10/10/2024 23:15	WG2379879
Bromoform	U		0.0645	0.500	500	10/10/2024 23:15	WG2379879
Bromomethane	U		0.303	2.50	500	10/10/2024 23:15	WG2379879
n-Butylbenzene	U		0.0785	0.500	500	10/10/2024 23:15	WG2379879
sec-Butylbenzene	U		0.0625	0.500	500	10/10/2024 23:15	WG2379879
Carbon disulfide	U		0.0481	0.500	500	10/10/2024 23:15	WG2379879
Carbon tetrachloride	U		0.0640	0.500	500	10/10/2024 23:15	WG2379879
Chlorobenzene	U		0.0580	0.500	500	10/10/2024 23:15	WG2379879
Chlorodibromomethane	U		0.0700	0.500	500	10/10/2024 23:15	WG2379879
Chloroethane	U	J3	0.0960	2.50	500	10/10/2024 23:15	WG2379879
Chloroform	U		0.0555	2.50	500	10/10/2024 23:15	WG2379879
Chloromethane	U	J3	0.480	1.25	500	10/10/2024 23:15	WG2379879
1,2-Dibromoethane	U		0.0630	0.500	500	10/10/2024 23:15	WG2379879
1,1-Dichloroethane	U		0.0500	0.500	500	10/10/2024 23:15	WG2379879

MW-106
Collected date/time: 10/02/24 12:55
L1784264

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0409	0.500	500	10/10/2024 23:15	WG2379879
1,1-Dichloroethene	U		0.0940	0.500	500	10/10/2024 23:15	WG2379879
cis-1,2-Dichloroethene	U		0.0630	0.500	500	10/10/2024 23:15	WG2379879
trans-1,2-Dichloroethene	U		0.0745	0.500	500	10/10/2024 23:15	WG2379879
1,2-Dichloropropane	U		0.0745	0.500	500	10/10/2024 23:15	WG2379879
cis-1,3-Dichloropropene	U		0.0555	0.500	500	10/10/2024 23:15	WG2379879
trans-1,3-Dichloropropene	U		0.0590	0.500	500	10/10/2024 23:15	WG2379879
Ethylbenzene	U		0.0685	0.500	500	10/10/2024 23:15	WG2379879
Isopropylbenzene	U		0.0525	0.500	500	10/10/2024 23:15	WG2379879
p-Isopropyltoluene	U		0.0600	0.500	500	10/10/2024 23:15	WG2379879
2-Butanone (MEK)	U		0.595	5.00	500	10/10/2024 23:15	WG2379879
2-Hexanone	U		0.394	5.00	500	10/10/2024 23:15	WG2379879
Methylene Chloride	U		0.215	2.50	500	10/10/2024 23:15	WG2379879
4-Methyl-2-pentanone (MIBK)	U		0.239	5.00	500	10/10/2024 23:15	WG2379879
Methyl tert-butyl ether	U		0.0505	0.500	500	10/10/2024 23:15	WG2379879
Naphthalene	U		0.500	2.50	500	10/10/2024 23:15	WG2379879
n-Propylbenzene	U		0.0497	0.500	500	10/10/2024 23:15	WG2379879
Styrene	U		0.0590	0.500	500	10/10/2024 23:15	WG2379879
tert-Butyl alcohol	U		2.03	2.50	500	10/10/2024 23:15	WG2379879
1,1,1,2-Tetrachloroethane	U		0.0735	0.500	500	10/10/2024 23:15	WG2379879
1,1,2,2-Tetrachloroethane	U		0.0665	0.500	500	10/10/2024 23:15	WG2379879
Tetrachloroethene	U		0.150	0.500	500	10/10/2024 23:15	WG2379879
Toluene	0.763		0.139	0.500	500	10/10/2024 23:15	WG2379879
1,1,1-Trichloroethane	U		0.0745	0.500	500	10/10/2024 23:15	WG2379879
1,1,2-Trichloroethane	U		0.0790	0.500	500	10/10/2024 23:15	WG2379879
Trichloroethene	U	J3	0.0950	0.500	500	10/10/2024 23:15	WG2379879
1,2,4-Trimethylbenzene	U		0.161	0.500	500	10/10/2024 23:15	WG2379879
1,3,5-Trimethylbenzene	U		0.0520	0.500	500	10/10/2024 23:15	WG2379879
Vinyl chloride	U	J3	0.117	0.500	500	10/10/2024 23:15	WG2379879
o-Xylene	U		0.0870	0.500	500	10/10/2024 23:15	WG2379879
m&p-Xylene	U		0.215	1.00	500	10/10/2024 23:15	WG2379879
Xylenes, Total	U		0.0870	1.50	500	10/10/2024 23:15	WG2379879
(S) Toluene-d8	*122*	J1		*80.0-120*		*10/10/2024 23:15*	WG2379879
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*10/10/2024 23:15*	WG2379879
(S) 1,2-Dichloroethane-d4	*97.1*			*70.0-130*		*10/10/2024 23:15*	WG2379879

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	3.78		0.0247	0.100	1	10/16/2024 20:38	WG2381934
(S) o-Terphenyl	*55.5*			*52.0-156*		*10/16/2024 20:38*	WG2381934

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	9.17		0.314	1.00	10	10/11/2024 22:20	WG2380326
(S) a,a,a-Trifluorotoluene(FID)	*83.9*			*78.0-120*		*10/11/2024 22:20*	WG2380326

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 21:25	WG2379879
Benzene	U		0.0000941	0.00100	1	10/10/2024 21:25	WG2379879
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 21:25	WG2379879
Bromoform	U		0.000129	0.00100	1	10/10/2024 21:25	WG2379879
Bromomethane	U		0.000605	0.00500	1	10/10/2024 21:25	WG2379879
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 21:25	WG2379879
sec-Butylbenzene	U		0.000125	0.00100	1	10/10/2024 21:25	WG2379879
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 21:25	WG2379879
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 21:25	WG2379879
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 21:25	WG2379879
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 21:25	WG2379879
Chloroethane	U	J3	0.000192	0.00500	1	10/10/2024 21:25	WG2379879
Chloroform	U		0.000111	0.00500	1	10/10/2024 21:25	WG2379879
Chloromethane	U	J3	0.000960	0.00250	1	10/10/2024 21:25	WG2379879
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 21:25	WG2379879
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 21:25	WG2379879
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 21:25	WG2379879
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 21:25	WG2379879
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 21:25	WG2379879
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 21:25	WG2379879
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 21:25	WG2379879
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 21:25	WG2379879
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 21:25	WG2379879
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 21:25	WG2379879
Isopropylbenzene	U		0.000105	0.00100	1	10/10/2024 21:25	WG2379879
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 21:25	WG2379879
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 21:25	WG2379879
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 21:25	WG2379879
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 21:25	WG2379879
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 21:25	WG2379879
Methyl tert-butyl ether	11.4	Q	0.0202	0.200	200	10/18/2024 02:34	WG2383333
Naphthalene	U		0.00100	0.00500	1	10/10/2024 21:25	WG2379879
n-Propylbenzene	U		0.0000993	0.00100	1	10/10/2024 21:25	WG2379879
Styrene	U		0.000118	0.00100	1	10/10/2024 21:25	WG2379879
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 21:25	WG2379879
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 21:25	WG2379879
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 21:25	WG2379879
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 21:25	WG2379879
Toluene	U		0.000278	0.00100	1	10/10/2024 21:25	WG2379879
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 21:25	WG2379879
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 21:25	WG2379879
Trichloroethene	U	J3	0.000190	0.00100	1	10/10/2024 21:25	WG2379879
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 21:25	WG2379879
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 21:25	WG2379879
Vinyl chloride	U	J3	0.000234	0.00100	1	10/10/2024 21:25	WG2379879
o-Xylene	U		0.000174	0.00100	1	10/10/2024 21:25	WG2379879
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 21:25	WG2379879
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 21:25	WG2379879
(S) Toluene-d8	*122*	J1		*80.0-120*		*10/10/2024 21:25*	WG2379879

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
(S) Toluene-d8	*111*			*80.0-120*		*10/18/2024 02:34*	WG2383333
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*10/10/2024 21:25*	WG2379879
(S) 4-Bromofluorobenzene	*89.5*			*77.0-126*		*10/18/2024 02:34*	WG2383333
(S) 1,2-Dichloroethane-d4	*96.6*			*70.0-130*		*10/10/2024 21:25*	WG2379879
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*10/18/2024 02:34*	WG2383333

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.123		0.0247	0.100	1	10/17/2024 13:11	WG2381934
TPH (GC/FID) High Fraction	0.335	Q	0.0247	0.100	1	10/18/2024 23:16	WG2384695
(S) o-Terphenyl	*48.2*	J2		*52.0-156*		*10/17/2024 13:11*	WG2381934
(S) o-Terphenyl	*109*			*52.0-156*		*10/18/2024 23:16*	WG2384695

Sample Narrative:

L1784264-127 WG2381934: Duplicate Analysis performed due to surrogate failure. Results don't confirm; both analyses reported

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0640	B J	0.0314	0.100	1	10/11/2024 21:37	WG2380326
(S) a,a,a-Trifluorotoluene(FID)	*86.1*			*78.0-120*		*10/11/2024 21:37*	WG2380326

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 21:47	WG2379879
Benzene	U		0.0000941	0.00100	1	10/10/2024 21:47	WG2379879
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 21:47	WG2379879
Bromoform	U		0.000129	0.00100	1	10/10/2024 21:47	WG2379879
Bromomethane	U		0.000605	0.00500	1	10/10/2024 21:47	WG2379879
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 21:47	WG2379879
sec-Butylbenzene	U		0.000125	0.00100	1	10/10/2024 21:47	WG2379879
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 21:47	WG2379879
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 21:47	WG2379879
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 21:47	WG2379879
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 21:47	WG2379879
Chloroethane	U	J3	0.000192	0.00500	1	10/10/2024 21:47	WG2379879
Chloroform	U		0.000111	0.00500	1	10/10/2024 21:47	WG2379879
Chloromethane	U	J3	0.000960	0.00250	1	10/10/2024 21:47	WG2379879
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 21:47	WG2379879
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 21:47	WG2379879
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 21:47	WG2379879
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 21:47	WG2379879
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 21:47	WG2379879
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 21:47	WG2379879
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 21:47	WG2379879
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 21:47	WG2379879
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 21:47	WG2379879
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 21:47	WG2379879
Isopropylbenzene	U		0.000105	0.00100	1	10/10/2024 21:47	WG2379879
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 21:47	WG2379879
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 21:47	WG2379879
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 21:47	WG2379879
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 21:47	WG2379879
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 21:47	WG2379879
Methyl tert-butyl ether	U	Q	0.000101	0.00100	1	10/18/2024 00:50	WG2383333
Naphthalene	U		0.00100	0.00500	1	10/10/2024 21:47	WG2379879
n-Propylbenzene	U		0.0000993	0.00100	1	10/10/2024 21:47	WG2379879
Styrene	U		0.000118	0.00100	1	10/10/2024 21:47	WG2379879
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 21:47	WG2379879
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 21:47	WG2379879
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 21:47	WG2379879
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 21:47	WG2379879
Toluene	U		0.000278	0.00100	1	10/10/2024 21:47	WG2379879
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 21:47	WG2379879
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 21:47	WG2379879
Trichloroethene	U	J3	0.000190	0.00100	1	10/10/2024 21:47	WG2379879
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 21:47	WG2379879
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 21:47	WG2379879
Vinyl chloride	U	J3	0.000234	0.00100	1	10/10/2024 21:47	WG2379879
o-Xylene	U		0.000174	0.00100	1	10/10/2024 21:47	WG2379879
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 21:47	WG2379879
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 21:47	WG2379879
(S) Toluene-d8	*124*	J1		*80.0-120*		*10/10/2024 21:47*	WG2379879

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
(S) Toluene-d8	*113*			*80.0-120*		*10/18/2024 00:50*	WG2383333
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*10/10/2024 21:47*	WG2379879
(S) 4-Bromofluorobenzene	*96.5*			*77.0-126*		*10/18/2024 00:50*	WG2383333
(S) 1,2-Dichloroethane-d4	*100*			*70.0-130*		*10/10/2024 21:47*	WG2379879
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*10/18/2024 00:50*	WG2383333

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) High Fraction	0.0413	J	0.0247	0.100	1	10/16/2024 21:19	WG2381934
(S) o-Terphenyl	*59.5*			*52.0-156*		*10/16/2024 21:19*	WG2381934

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.393		0.0314	0.100	1	10/11/2024 02:28	WG2380072
(S) a,a,a-Trifluorotoluene(FID)	*103*			*78.0-120*		*10/11/2024 02:28*	WG2380072

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 22:09	WG2379879
Benzene	0.000299	J	0.0000941	0.00100	1	10/10/2024 22:09	WG2379879
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 22:09	WG2379879
Bromoform	U		0.000129	0.00100	1	10/10/2024 22:09	WG2379879
Bromomethane	U		0.000605	0.00500	1	10/10/2024 22:09	WG2379879
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 22:09	WG2379879
sec-Butylbenzene	0.000477	J	0.000125	0.00100	1	10/10/2024 22:09	WG2379879
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 22:09	WG2379879
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 22:09	WG2379879
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 22:09	WG2379879
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 22:09	WG2379879
Chloroethane	U	J3	0.000192	0.00500	1	10/10/2024 22:09	WG2379879
Chloroform	U		0.000111	0.00500	1	10/10/2024 22:09	WG2379879
Chloromethane	U	J3	0.000960	0.00250	1	10/10/2024 22:09	WG2379879
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 22:09	WG2379879
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 22:09	WG2379879
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 22:09	WG2379879
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 22:09	WG2379879
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 22:09	WG2379879
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 22:09	WG2379879
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 22:09	WG2379879
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 22:09	WG2379879
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 22:09	WG2379879
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 22:09	WG2379879
Isopropylbenzene	U		0.000105	0.00100	1	10/10/2024 22:09	WG2379879
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 22:09	WG2379879
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 22:09	WG2379879
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 22:09	WG2379879
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 22:09	WG2379879
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 22:09	WG2379879
Methyl tert-butyl ether	0.423	Q	0.00253	0.0250	25	10/18/2024 02:56	WG2383333
Naphthalene	U		0.00100	0.00500	1	10/10/2024 22:09	WG2379879
n-Propylbenzene	0.000862	J	0.0000993	0.00100	1	10/10/2024 22:09	WG2379879
Styrene	U		0.000118	0.00100	1	10/10/2024 22:09	WG2379879
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 22:09	WG2379879
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 22:09	WG2379879
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 22:09	WG2379879
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 22:09	WG2379879
Toluene	U		0.000278	0.00100	1	10/10/2024 22:09	WG2379879
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 22:09	WG2379879
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 22:09	WG2379879
Trichloroethene	U	J3	0.000190	0.00100	1	10/10/2024 22:09	WG2379879
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 22:09	WG2379879
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 22:09	WG2379879
Vinyl chloride	U	J3	0.000234	0.00100	1	10/10/2024 22:09	WG2379879
o-Xylene	U		0.000174	0.00100	1	10/10/2024 22:09	WG2379879
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 22:09	WG2379879
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 22:09	WG2379879
(S) Toluene-d8	*122*	J1		*80.0-120*		*10/10/2024 22:09*	WG2379879

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
(S) Toluene-d8	*112*			*80.0-120*		*10/18/2024 02:56*	WG2383333
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*10/10/2024 22:09*	WG2379879
(S) 4-Bromofluorobenzene	*92.5*			*77.0-126*		*10/18/2024 02:56*	WG2383333
(S) 1,2-Dichloroethane-d4	*98.7*			*70.0-130*		*10/10/2024 22:09*	WG2379879
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*10/18/2024 02:56*	WG2383333

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) High Fraction	0.177		0.0247	0.100	1	10/16/2024 21:39	WG2381934
(S) o-Terphenyl	*55.5*			*52.0-156*		*10/16/2024 21:39*	WG2381934

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1870		50.0	1	10/07/2024 09:26	WG2376599

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	156		0.547	1.00	1	10/05/2024 10:56	WG2376117
Fluoride	0.759		0.0761	0.150	1	10/05/2024 10:56	WG2376117
Nitrate as (N)	0.159	B Q	0.0884	0.100	1	10/05/2024 10:56	WG2376117
Nitrite as (N)	U	Q	0.0794	0.100	1	10/05/2024 10:56	WG2376117
Sulfate	781		6.37	50.0	10	10/05/2024 11:07	WG2376117

Sample Narrative:

L1784264-130 WG2376117: Dilution due to matrix impact on instrumentation at lower dilution

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00367		0.000180	0.00200	1	10/18/2024 23:42	WG2378677
Barium	0.0172		0.000381	0.00200	1	10/18/2024 23:42	WG2378677
Calcium	206		0.0936	1.00	1	10/18/2024 23:42	WG2378677
Chromium	0.00230	B	0.00124	0.00200	1	10/18/2024 23:42	WG2378677
Iron	0.434		0.0281	0.100	1	10/18/2024 23:42	WG2378677
Lead	0.00235		0.000849	0.00200	1	10/18/2024 23:42	WG2378677
Manganese	0.0962		0.000704	0.00500	1	10/18/2024 23:42	WG2378677
Potassium	0.681	J	0.108	2.00	1	10/18/2024 23:42	WG2378677
Selenium	0.00179	J	0.000300	0.00200	1	10/18/2024 23:42	WG2378677
Sodium	262		0.376	2.00	1	10/18/2024 23:42	WG2378677

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/11/2024 02:51	WG2380072
(S) a,a,a-Trifluorotoluene(FID)	*101*			*78.0-120*		*10/11/2024 02:51*	WG2380072

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/10/2024 22:31	WG2379879
Benzene	U		0.0000941	0.00100	1	10/10/2024 22:31	WG2379879
Bromodichloromethane	U		0.000136	0.00100	1	10/10/2024 22:31	WG2379879
Bromoform	U		0.000129	0.00100	1	10/10/2024 22:31	WG2379879
Bromomethane	U		0.000605	0.00500	1	10/10/2024 22:31	WG2379879
n-Butylbenzene	U		0.000157	0.00100	1	10/10/2024 22:31	WG2379879
sec-Butylbenzene	U		0.000125	0.00100	1	10/10/2024 22:31	WG2379879
Carbon disulfide	U		0.0000962	0.00100	1	10/10/2024 22:31	WG2379879
Carbon tetrachloride	U		0.000128	0.00100	1	10/10/2024 22:31	WG2379879
Chlorobenzene	U		0.000116	0.00100	1	10/10/2024 22:31	WG2379879
Chlorodibromomethane	U		0.000140	0.00100	1	10/10/2024 22:31	WG2379879
Chloroethane	U	J3	0.000192	0.00500	1	10/10/2024 22:31	WG2379879
Chloroform	U		0.000111	0.00500	1	10/10/2024 22:31	WG2379879
Chloromethane	U	J3	0.000960	0.00250	1	10/10/2024 22:31	WG2379879
1,2-Dibromoethane	U		0.000126	0.00100	1	10/10/2024 22:31	WG2379879
1,1-Dichloroethane	U		0.000100	0.00100	1	10/10/2024 22:31	WG2379879

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/10/2024 22:31	WG2379879
1,1-Dichloroethene	U		0.000188	0.00100	1	10/10/2024 22:31	WG2379879
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/10/2024 22:31	WG2379879
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/10/2024 22:31	WG2379879
1,2-Dichloropropane	U		0.000149	0.00100	1	10/10/2024 22:31	WG2379879
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/10/2024 22:31	WG2379879
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/10/2024 22:31	WG2379879
Ethylbenzene	U		0.000137	0.00100	1	10/10/2024 22:31	WG2379879
Isopropylbenzene	U		0.000105	0.00100	1	10/10/2024 22:31	WG2379879
p-Isopropyltoluene	U		0.000120	0.00100	1	10/10/2024 22:31	WG2379879
2-Butanone (MEK)	U		0.00119	0.0100	1	10/10/2024 22:31	WG2379879
2-Hexanone	U		0.000787	0.0100	1	10/10/2024 22:31	WG2379879
Methylene Chloride	U		0.000430	0.00500	1	10/10/2024 22:31	WG2379879
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/10/2024 22:31	WG2379879
Methyl tert-butyl ether	0.00243	Q	0.000101	0.00100	1	10/18/2024 01:11	WG2383333
Naphthalene	U		0.00100	0.00500	1	10/10/2024 22:31	WG2379879
n-Propylbenzene	U		0.0000993	0.00100	1	10/10/2024 22:31	WG2379879
Styrene	U		0.000118	0.00100	1	10/10/2024 22:31	WG2379879
tert-Butyl alcohol	U		0.00406	0.00500	1	10/10/2024 22:31	WG2379879
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/10/2024 22:31	WG2379879
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/10/2024 22:31	WG2379879
Tetrachloroethene	U		0.000300	0.00100	1	10/10/2024 22:31	WG2379879
Toluene	U		0.000278	0.00100	1	10/10/2024 22:31	WG2379879
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/10/2024 22:31	WG2379879
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/10/2024 22:31	WG2379879
Trichloroethene	U	J3	0.000190	0.00100	1	10/10/2024 22:31	WG2379879
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/10/2024 22:31	WG2379879
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/10/2024 22:31	WG2379879
Vinyl chloride	U	J3	0.000234	0.00100	1	10/10/2024 22:31	WG2379879
o-Xylene	U		0.000174	0.00100	1	10/10/2024 22:31	WG2379879
m&p-Xylene	U		0.000430	0.00200	1	10/10/2024 22:31	WG2379879
Xylenes, Total	U		0.000174	0.00300	1	10/10/2024 22:31	WG2379879
(S) Toluene-d8	*125*	J1		*80.0-120*		*10/10/2024 22:31*	WG2379879
(S) Toluene-d8	*111*			*80.0-120*		*10/18/2024 01:11*	WG2383333
(S) 4-Bromofluorobenzene	*108*			*77.0-126*		*10/10/2024 22:31*	WG2379879
(S) 4-Bromofluorobenzene	*97.2*			*77.0-126*		*10/18/2024 01:11*	WG2383333
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*10/10/2024 22:31*	WG2379879
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*10/18/2024 01:11*	WG2383333

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.311		0.0247	0.100	1	10/16/2024 22:00	WG2381934
(S) o-Terphenyl	*62.0*			*52.0-156*		*10/16/2024 22:00*	WG2381934

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1880		50.0	1	10/09/2024 13:44	WG2378547

Wet Chemistry by Method 4500CN E-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Cyanide	0.00285	J	0.00180	0.00500	1	10/09/2024 18:55	WG2378536

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	177		0.547	1.00	1	10/09/2024 14:10	WG2378628
Fluoride	1.69		0.0761	0.150	1	10/09/2024 14:10	WG2378628
Nitrate as (N)	1.21	Q	0.0884	0.100	1	10/09/2024 14:10	WG2378628
Nitrite as (N)	U	Q	0.0794	0.100	1	10/09/2024 14:10	WG2378628
Sulfate	820		3.18	25.0	5	10/09/2024 14:21	WG2378628

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.0000700	0.000200	1	10/09/2024 19:40	WG2378745

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.729		0.0200	0.200	1	10/16/2024 17:24	WG2378640

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00354		0.000180	0.00200	1	10/18/2024 17:06	WG2378667
Barium	0.0121		0.000381	0.00200	1	10/18/2024 17:06	WG2378667
Cadmium	U		0.000150	0.00100	1	10/18/2024 17:06	WG2378667
Calcium	156		0.0936	1.00	1	10/18/2024 17:06	WG2378667
Chromium	U		0.00124	0.00200	1	10/18/2024 17:06	WG2378667
Cobalt	0.000839	J	0.0000596	0.00200	1	10/18/2024 17:06	WG2378667
Iron	U		0.0281	0.100	1	10/18/2024 17:06	WG2378667
Lead	U		0.000849	0.00200	1	10/18/2024 21:39	WG2378667
Manganese	0.0643		0.000704	0.00500	1	10/18/2024 17:06	WG2378667
Nickel	0.0223		0.000816	0.00200	1	10/18/2024 17:06	WG2378667
Potassium	0.224	B J J4	0.108	2.00	1	10/18/2024 17:06	WG2378667
Selenium	0.00174	J	0.000300	0.00200	1	10/18/2024 17:06	WG2378667
Sodium	316		0.376	2.00	1	10/18/2024 17:06	WG2378667
Uranium	0.0101		0.0000789	0.00100	1	10/18/2024 21:39	WG2378667
Vanadium	0.0256		0.000664	0.00500	1	10/18/2024 17:06	WG2378667

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	10/09/2024 18:02	WG2378676
(S) a,a,a-Trifluorotoluene(FID)	*103*			*78.0-120*		*10/09/2024 18:02*	WG2378676

MW-32
Collected date/time: 10/02/24 11:15
L1784264

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/12/2024 11:46	WG2380750
Benzene	U		0.0000941	0.00100	1	10/12/2024 11:46	WG2380750
Bromodichloromethane	U		0.000136	0.00100	1	10/12/2024 11:46	WG2380750
Bromoform	U		0.000129	0.00100	1	10/12/2024 11:46	WG2380750
Bromomethane	U		0.000605	0.00500	1	10/12/2024 11:46	WG2380750
n-Butylbenzene	U		0.000157	0.00100	1	10/12/2024 11:46	WG2380750
sec-Butylbenzene	U		0.000125	0.00100	1	10/12/2024 11:46	WG2380750
Carbon disulfide	U		0.0000962	0.00100	1	10/12/2024 11:46	WG2380750
Carbon tetrachloride	U		0.000128	0.00100	1	10/12/2024 11:46	WG2380750
Chlorobenzene	U		0.000116	0.00100	1	10/12/2024 11:46	WG2380750
Chlorodibromomethane	U		0.000140	0.00100	1	10/12/2024 11:46	WG2380750
Chloroethane	U		0.000192	0.00500	1	10/12/2024 11:46	WG2380750
Chloroform	U		0.000111	0.00500	1	10/12/2024 11:46	WG2380750
Chloromethane	U	J3	0.000960	0.00250	1	10/12/2024 11:46	WG2380750
1,2-Dibromoethane	U		0.000126	0.00100	1	10/12/2024 11:46	WG2380750
1,1-Dichloroethane	U		0.000100	0.00100	1	10/12/2024 11:46	WG2380750
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/12/2024 11:46	WG2380750
1,1-Dichloroethene	U		0.000188	0.00100	1	10/12/2024 11:46	WG2380750
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/12/2024 11:46	WG2380750
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/12/2024 11:46	WG2380750
1,2-Dichloropropane	U		0.000149	0.00100	1	10/12/2024 11:46	WG2380750
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/12/2024 11:46	WG2380750
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/12/2024 11:46	WG2380750
Ethylbenzene	U		0.000137	0.00100	1	10/12/2024 11:46	WG2380750
Isopropylbenzene	U		0.000105	0.00100	1	10/12/2024 11:46	WG2380750
p-Isopropyltoluene	U		0.000120	0.00100	1	10/12/2024 11:46	WG2380750
2-Butanone (MEK)	U	J3	0.00119	0.0100	1	10/12/2024 11:46	WG2380750
2-Hexanone	U		0.000787	0.0100	1	10/12/2024 11:46	WG2380750
Methylene Chloride	U		0.000430	0.00500	1	10/12/2024 11:46	WG2380750
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/12/2024 11:46	WG2380750
Methyl tert-butyl ether	0.000411	J	0.000101	0.00100	1	10/12/2024 11:46	WG2380750
Naphthalene	U		0.00100	0.00500	1	10/12/2024 11:46	WG2380750
n-Propylbenzene	U		0.0000993	0.00100	1	10/12/2024 11:46	WG2380750
Styrene	U		0.000118	0.00100	1	10/12/2024 11:46	WG2380750
tert-Butyl alcohol	U		0.00406	0.00500	1	10/12/2024 11:46	WG2380750
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/12/2024 11:46	WG2380750
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/12/2024 11:46	WG2380750
Tetrachloroethene	U		0.000300	0.00100	1	10/12/2024 11:46	WG2380750
Toluene	U		0.000278	0.00100	1	10/12/2024 11:46	WG2380750
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/12/2024 11:46	WG2380750
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/12/2024 11:46	WG2380750
Trichloroethene	U		0.000190	0.00100	1	10/12/2024 11:46	WG2380750
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/12/2024 11:46	WG2380750
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/12/2024 11:46	WG2380750
Vinyl chloride	U		0.000234	0.00100	1	10/12/2024 11:46	WG2380750
o-Xylene	U		0.000174	0.00100	1	10/12/2024 11:46	WG2380750
m&p-Xylene	U		0.000430	0.00200	1	10/12/2024 11:46	WG2380750
Xylenes, Total	U		0.000174	0.00300	1	10/12/2024 11:46	WG2380750
(S) Toluene-d8	*111*			*80.0-120*		*10/12/2024 11:46*	WG2380750
(S) 4-Bromofluorobenzene	*111*			*77.0-126*		*10/12/2024 11:46*	WG2380750
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*10/12/2024 11:46*	WG2380750

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.273		0.0247	0.100	1	10/16/2024 22:20	WG2381934

MW-32
Collected date/time: 10/02/24 11:15
L1784264

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
(S) o-Terphenyl	*72.5*			*52.0-156*		*10/16/2024 22:20*	WG2381934

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1790		50.0	1	10/09/2024 13:44	WG2378547

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	196		2.74	5.00	5	10/09/2024 14:43	WG2378628
Fluoride	1.67		0.0761	0.150	1	10/09/2024 14:32	WG2378628
Nitrate as (N)	0.130	Q	0.0884	0.100	1	10/09/2024 14:32	WG2378628
Nitrite as (N)	U	Q	0.0794	0.100	1	10/09/2024 14:32	WG2378628
Sulfate	260		3.18	25.0	5	10/09/2024 14:43	WG2378628

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00195	J	0.000180	0.00200	1	10/18/2024 17:10	WG2378667
Barium	0.116		0.000381	0.00200	1	10/18/2024 17:10	WG2378667
Calcium	64.8		0.0936	1.00	1	10/18/2024 17:10	WG2378667
Chromium	U		0.00124	0.00200	1	10/18/2024 17:10	WG2378667
Iron	0.0319	B J	0.0281	0.100	1	10/18/2024 17:10	WG2378667
Lead	U		0.000849	0.00200	1	10/18/2024 21:42	WG2378667
Manganese	0.0979		0.000704	0.00500	1	10/18/2024 17:10	WG2378667
Potassium	0.627	B J J4	0.108	2.00	1	10/18/2024 17:10	WG2378667
Selenium	U		0.000300	0.00200	1	10/18/2024 17:10	WG2378667
Sodium	449		0.376	2.00	1	10/18/2024 17:10	WG2378667

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	4.54		0.314	1.00	10	10/09/2024 20:19	WG2378676
(S) a,a,a-Trifluorotoluene(FID)	*101*			*78.0-120*		*10/09/2024 20:19*	WG2378676

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/12/2024 12:07	WG2380750
Benzene	1.24	Q	0.00471	0.0500	50	10/17/2024 01:37	WG2383676
Bromodichloromethane	U		0.000136	0.00100	1	10/12/2024 12:07	WG2380750
Bromoform	U		0.000129	0.00100	1	10/12/2024 12:07	WG2380750
Bromomethane	U		0.000605	0.00500	1	10/12/2024 12:07	WG2380750
n-Butylbenzene	0.00215		0.000157	0.00100	1	10/12/2024 12:07	WG2380750
sec-Butylbenzene	0.00689		0.000125	0.00100	1	10/12/2024 12:07	WG2380750
Carbon disulfide	0.000567	J	0.0000962	0.00100	1	10/12/2024 12:07	WG2380750
Carbon tetrachloride	U		0.000128	0.00100	1	10/12/2024 12:07	WG2380750
Chlorobenzene	U		0.000116	0.00100	1	10/12/2024 12:07	WG2380750
Chlorodibromomethane	U		0.000140	0.00100	1	10/12/2024 12:07	WG2380750
Chloroethane	U		0.000192	0.00500	1	10/12/2024 12:07	WG2380750
Chloroform	U		0.000111	0.00500	1	10/12/2024 12:07	WG2380750
Chloromethane	U	J3	0.000960	0.00250	1	10/12/2024 12:07	WG2380750
1,2-Dibromoethane	U		0.000126	0.00100	1	10/12/2024 12:07	WG2380750
1,1-Dichloroethane	U		0.000100	0.00100	1	10/12/2024 12:07	WG2380750
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/12/2024 12:07	WG2380750
1,1-Dichloroethene	U		0.000188	0.00100	1	10/12/2024 12:07	WG2380750
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/12/2024 12:07	WG2380750

MW-109
Collected date/time: 10/02/24 10:35
L1784264

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/12/2024 12:07	WG2380750
1,2-Dichloropropane	U		0.000149	0.00100	1	10/12/2024 12:07	WG2380750
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/12/2024 12:07	WG2380750
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/12/2024 12:07	WG2380750
Ethylbenzene	0.00530		0.000137	0.00100	1	10/12/2024 12:07	WG2380750
Isopropylbenzene	0.0572		0.000105	0.00100	1	10/12/2024 12:07	WG2380750
p-Isopropyltoluene	0.000619	J	0.000120	0.00100	1	10/12/2024 12:07	WG2380750
2-Butanone (MEK)	U	J3	0.00119	0.0100	1	10/12/2024 12:07	WG2380750
2-Hexanone	U		0.000787	0.0100	1	10/12/2024 12:07	WG2380750
Methylene Chloride	U		0.000430	0.00500	1	10/12/2024 12:07	WG2380750
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/12/2024 12:07	WG2380750
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/12/2024 12:07	WG2380750
Naphthalene	U		0.00100	0.00500	1	10/12/2024 12:07	WG2380750
n-Propylbenzene	0.0596		0.0000993	0.00100	1	10/12/2024 12:07	WG2380750
Styrene	U		0.000118	0.00100	1	10/12/2024 12:07	WG2380750
tert-Butyl alcohol	0.0590		0.00406	0.00500	1	10/12/2024 12:07	WG2380750
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/12/2024 12:07	WG2380750
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/12/2024 12:07	WG2380750
Tetrachloroethene	U		0.000300	0.00100	1	10/12/2024 12:07	WG2380750
Toluene	0.0114		0.000278	0.00100	1	10/12/2024 12:07	WG2380750
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/12/2024 12:07	WG2380750
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/12/2024 12:07	WG2380750
Trichloroethene	U		0.000190	0.00100	1	10/12/2024 12:07	WG2380750
1,2,4-Trimethylbenzene	0.00132		0.000322	0.00100	1	10/12/2024 12:07	WG2380750
1,3,5-Trimethylbenzene	0.000911	J	0.000104	0.00100	1	10/12/2024 12:07	WG2380750
Vinyl chloride	U		0.000234	0.00100	1	10/12/2024 12:07	WG2380750
o-Xylene	U		0.000174	0.00100	1	10/12/2024 12:07	WG2380750
m&p-Xylene	0.00767		0.000430	0.00200	1	10/12/2024 12:07	WG2380750
Xylenes, Total	0.00767		0.000174	0.00300	1	10/12/2024 12:07	WG2380750
(S) Toluene-d8	*106*			*80.0-120*		*10/12/2024 12:07*	WG2380750
(S) Toluene-d8	*103*			*80.0-120*		*10/17/2024 01:37*	WG2383676
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*10/12/2024 12:07*	WG2380750
(S) 4-Bromofluorobenzene	*96.8*			*77.0-126*		*10/17/2024 01:37*	WG2383676
(S) 1,2-Dichloroethane-d4	*98.8*			*70.0-130*		*10/12/2024 12:07*	WG2380750
(S) 1,2-Dichloroethane-d4	*100*			*70.0-130*		*10/17/2024 01:37*	WG2383676

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.851		0.0247	0.100	1	10/16/2024 22:40	WG2381934
(S) o-Terphenyl	*69.5*			*52.0-156*		*10/16/2024 22:40*	WG2381934

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1370		20.0	1	10/09/2024 13:44	WG2378547

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	50.9		0.547	1.00	1	10/09/2024 15:16	WG2378628
Fluoride	1.38		0.0761	0.150	1	10/09/2024 15:16	WG2378628
Nitrate as (N)	U	Q	0.0884	0.100	1	10/09/2024 15:16	WG2378628
Nitrite as (N)	U	Q	0.0794	0.100	1	10/09/2024 15:16	WG2378628
Sulfate	631		3.18	25.0	5	10/09/2024 15:27	WG2378628

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0255		0.000180	0.00200	1	10/18/2024 17:13	WG2378667
Barium	0.0708		0.000381	0.00200	1	10/18/2024 17:13	WG2378667
Calcium	123		0.0936	1.00	1	10/18/2024 17:13	WG2378667
Chromium	U		0.00124	0.00200	1	10/18/2024 17:13	WG2378667
Iron	0.984		0.0281	0.100	1	10/18/2024 17:13	WG2378667
Lead	U		0.000849	0.00200	1	10/18/2024 21:45	WG2378667
Manganese	2.27		0.000704	0.00500	1	10/18/2024 17:13	WG2378667
Potassium	0.121	B J J4	0.108	2.00	1	10/18/2024 17:13	WG2378667
Selenium	U		0.000300	0.00200	1	10/18/2024 17:13	WG2378667
Sodium	224		0.376	2.00	1	10/18/2024 17:13	WG2378667

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.491		0.0314	0.100	1	10/09/2024 18:24	WG2378676
(S) a,a,a-Trifluorotoluene(FID)	*99.8*			*78.0-120*		*10/09/2024 18:24*	WG2378676

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/12/2024 12:29	WG2380750
Benzene	0.000222	J Q	0.0000941	0.00100	1	10/17/2024 00:36	WG2383676
Bromodichloromethane	U		0.000136	0.00100	1	10/12/2024 12:29	WG2380750
Bromoform	U		0.000129	0.00100	1	10/12/2024 12:29	WG2380750
Bromomethane	U		0.000605	0.00500	1	10/12/2024 12:29	WG2380750
n-Butylbenzene	U		0.000157	0.00100	1	10/12/2024 12:29	WG2380750
sec-Butylbenzene	0.00211		0.000125	0.00100	1	10/12/2024 12:29	WG2380750
Carbon disulfide	U		0.0000962	0.00100	1	10/12/2024 12:29	WG2380750
Carbon tetrachloride	U		0.000128	0.00100	1	10/12/2024 12:29	WG2380750
Chlorobenzene	U		0.000116	0.00100	1	10/12/2024 12:29	WG2380750
Chlorodibromomethane	U		0.000140	0.00100	1	10/12/2024 12:29	WG2380750
Chloroethane	U		0.000192	0.00500	1	10/12/2024 12:29	WG2380750
Chloroform	U		0.000111	0.00500	1	10/12/2024 12:29	WG2380750
Chloromethane	U	J3	0.000960	0.00250	1	10/12/2024 12:29	WG2380750
1,2-Dibromoethane	U		0.000126	0.00100	1	10/12/2024 12:29	WG2380750
1,1-Dichloroethane	U		0.000100	0.00100	1	10/12/2024 12:29	WG2380750
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/12/2024 12:29	WG2380750
1,1-Dichloroethene	U		0.000188	0.00100	1	10/12/2024 12:29	WG2380750
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/12/2024 12:29	WG2380750

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/12/2024 12:29	WG2380750
1,2-Dichloropropane	U		0.000149	0.00100	1	10/12/2024 12:29	WG2380750
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/12/2024 12:29	WG2380750
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/12/2024 12:29	WG2380750
Ethylbenzene	0.000349	J	0.000137	0.00100	1	10/12/2024 12:29	WG2380750
Isopropylbenzene	0.00266		0.000105	0.00100	1	10/12/2024 12:29	WG2380750
p-Isopropyltoluene	U		0.000120	0.00100	1	10/12/2024 12:29	WG2380750
2-Butanone (MEK)	U	J3	0.00119	0.0100	1	10/12/2024 12:29	WG2380750
2-Hexanone	U		0.000787	0.0100	1	10/12/2024 12:29	WG2380750
Methylene Chloride	U		0.000430	0.00500	1	10/12/2024 12:29	WG2380750
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/12/2024 12:29	WG2380750
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/12/2024 12:29	WG2380750
Naphthalene	0.00116	J	0.00100	0.00500	1	10/12/2024 12:29	WG2380750
n-Propylbenzene	0.00116		0.0000993	0.00100	1	10/12/2024 12:29	WG2380750
Styrene	U		0.000118	0.00100	1	10/12/2024 12:29	WG2380750
tert-Butyl alcohol	0.00827		0.00406	0.00500	1	10/12/2024 12:29	WG2380750
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/12/2024 12:29	WG2380750
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/12/2024 12:29	WG2380750
Tetrachloroethene	U		0.000300	0.00100	1	10/12/2024 12:29	WG2380750
Toluene	U		0.000278	0.00100	1	10/12/2024 12:29	WG2380750
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/12/2024 12:29	WG2380750
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/12/2024 12:29	WG2380750
Trichloroethene	U		0.000190	0.00100	1	10/12/2024 12:29	WG2380750
1,2,4-Trimethylbenzene	0.000365	J	0.000322	0.00100	1	10/12/2024 12:29	WG2380750
1,3,5-Trimethylbenzene	0.000222	J	0.000104	0.00100	1	10/12/2024 12:29	WG2380750
Vinyl chloride	U		0.000234	0.00100	1	10/12/2024 12:29	WG2380750
o-Xylene	U		0.000174	0.00100	1	10/12/2024 12:29	WG2380750
m&p-Xylene	0.000908	J	0.000430	0.00200	1	10/12/2024 12:29	WG2380750
Xylenes, Total	0.000908	J	0.000174	0.00300	1	10/12/2024 12:29	WG2380750
(S) Toluene-d8	*101*			*80.0-120*		*10/12/2024 12:29*	WG2380750
(S) Toluene-d8	*107*			*80.0-120*		*10/17/2024 00:36*	WG2383676
(S) 4-Bromofluorobenzene	*95.1*			*77.0-126*		*10/12/2024 12:29*	WG2380750
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*10/17/2024 00:36*	WG2383676
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*10/12/2024 12:29*	WG2380750
(S) 1,2-Dichloroethane-d4	*99.2*			*70.0-130*		*10/17/2024 00:36*	WG2383676

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.369		0.0247	0.100	1	10/16/2024 23:01	WG2381934
(S) o-Terphenyl	*67.0*			*52.0-156*		*10/16/2024 23:01*	WG2381934

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	3140		50.0	1	10/09/2024 13:44	WG2378547

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	218		2.74	5.00	5	10/11/2024 13:18	WG2378628
Fluoride	0.794		0.380	0.750	5	10/11/2024 13:18	WG2378628
Nitrate as (N)	21.4	Q	0.442	0.500	5	10/11/2024 13:18	WG2378628
Nitrite as (N)	U	Q	0.397	0.500	5	10/11/2024 13:18	WG2378628
Sulfate	1420		12.7	100	20	10/11/2024 13:31	WG2378628

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.0000700	0.000200	1	10/09/2024 19:43	WG2378745

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron	0.618		0.0200	0.200	1	10/16/2024 17:30	WG2378640
Boron,Dissolved	0.588		0.0200	0.200	1	10/14/2024 13:03	WG2378636

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00315		0.000180	0.00200	1	10/18/2024 17:46	WG2378667
Arsenic,Dissolved	0.00270		0.000180	0.00200	1	10/16/2024 14:29	WG2378637
Barium	0.0130		0.000381	0.00200	1	10/18/2024 17:46	WG2378667
Cadmium	U		0.000150	0.00100	1	10/18/2024 17:46	WG2378667
Calcium	493		0.0936	1.00	1	10/18/2024 17:46	WG2378667
Chromium	U		0.00124	0.00200	1	10/18/2024 17:46	WG2378667
Cobalt	0.000279	J	0.0000596	0.00200	1	10/18/2024 17:46	WG2378667
Iron	0.0780	B J	0.0281	0.100	1	10/18/2024 17:46	WG2378667
Iron,Dissolved	U		0.0281	0.100	1	10/16/2024 14:29	WG2378637
Lead	U		0.000849	0.00200	1	10/18/2024 21:57	WG2378667
Manganese	0.0676		0.000704	0.00500	1	10/18/2024 17:46	WG2378667
Manganese,Dissolved	0.0476		0.000704	0.00500	1	10/16/2024 14:29	WG2378637
Nickel	0.00212		0.000816	0.00200	1	10/18/2024 17:46	WG2378667
Selenium	0.00654		0.000300	0.00200	1	10/18/2024 17:46	WG2378667
Sodium	203		0.376	2.00	1	10/18/2024 17:46	WG2378667
Uranium	0.0393		0.0000789	0.00100	1	10/18/2024 21:57	WG2378667
Uranium,Dissolved	0.0345		0.0000789	0.00100	1	10/16/2024 14:29	WG2378637
Vanadium	0.0136		0.000664	0.00500	1	10/18/2024 17:46	WG2378667

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Potassium	3.39		0.0965	2.00	1	10/20/2024 14:04	WG2385614

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2390		50.0	1	10/09/2024 13:44	WG2378547

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	64.8		0.547	1.00	1	10/09/2024 15:59	WG2378628
Fluoride	1.52		0.0761	0.150	1	10/09/2024 15:59	WG2378628
Nitrate as (N)	U	Q	0.0884	0.100	1	10/09/2024 15:59	WG2378628
Nitrite as (N)	U	Q	0.0794	0.100	1	10/09/2024 15:59	WG2378628
Sulfate	1190		6.37	50.0	10	10/11/2024 13:58	WG2378628

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00973		0.000180	0.00200	1	10/18/2024 17:49	WG2378667
Barium	0.0167		0.000381	0.00200	1	10/18/2024 17:49	WG2378667
Calcium	332		0.0936	1.00	1	10/18/2024 17:49	WG2378667
Chromium	U		0.00124	0.00200	1	10/18/2024 17:49	WG2378667
Iron	0.537		0.0281	0.100	1	10/18/2024 17:49	WG2378667
Lead	U		0.000849	0.00200	1	10/18/2024 22:00	WG2378667
Manganese	0.677		0.000704	0.00500	1	10/18/2024 17:49	WG2378667
Potassium	1.86	J J4	0.108	2.00	1	10/18/2024 17:49	WG2378667
Selenium	U		0.000300	0.00200	1	10/18/2024 17:49	WG2378667
Sodium	158		0.376	2.00	1	10/18/2024 17:49	WG2378667

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/12/2024 12:50	WG2380750
Benzene	U		0.0000941	0.00100	1	10/12/2024 12:50	WG2380750
Bromodichloromethane	U		0.000136	0.00100	1	10/12/2024 12:50	WG2380750
Bromoform	U		0.000129	0.00100	1	10/12/2024 12:50	WG2380750
Bromomethane	U		0.000605	0.00500	1	10/12/2024 12:50	WG2380750
n-Butylbenzene	U		0.000157	0.00100	1	10/12/2024 12:50	WG2380750
sec-Butylbenzene	U		0.000125	0.00100	1	10/12/2024 12:50	WG2380750
Carbon disulfide	U		0.0000962	0.00100	1	10/12/2024 12:50	WG2380750
Carbon tetrachloride	U		0.000128	0.00100	1	10/12/2024 12:50	WG2380750
Chlorobenzene	U		0.000116	0.00100	1	10/12/2024 12:50	WG2380750
Chlorodibromomethane	U		0.000140	0.00100	1	10/12/2024 12:50	WG2380750
Chloroethane	U		0.000192	0.00500	1	10/12/2024 12:50	WG2380750
Chloroform	U		0.000111	0.00500	1	10/12/2024 12:50	WG2380750
Chloromethane	U	J3	0.000960	0.00250	1	10/12/2024 12:50	WG2380750
1,2-Dibromoethane	U		0.000126	0.00100	1	10/12/2024 12:50	WG2380750
1,1-Dichloroethane	U		0.000100	0.00100	1	10/12/2024 12:50	WG2380750
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/12/2024 12:50	WG2380750
1,1-Dichloroethene	U		0.000188	0.00100	1	10/12/2024 12:50	WG2380750
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/12/2024 12:50	WG2380750
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/12/2024 12:50	WG2380750
1,2-Dichloropropane	U		0.000149	0.00100	1	10/12/2024 12:50	WG2380750
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/12/2024 12:50	WG2380750
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/12/2024 12:50	WG2380750
Ethylbenzene	U		0.000137	0.00100	1	10/12/2024 12:50	WG2380750
Isopropylbenzene	0.000703	J	0.000105	0.00100	1	10/12/2024 12:50	WG2380750
p-Isopropyltoluene	U		0.000120	0.00100	1	10/12/2024 12:50	WG2380750

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
2-Butanone (MEK)	U	J3	0.00119	0.0100	1	10/12/2024 12:50	WG2380750
2-Hexanone	U		0.000787	0.0100	1	10/12/2024 12:50	WG2380750
Methylene Chloride	U		0.000430	0.00500	1	10/12/2024 12:50	WG2380750
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/12/2024 12:50	WG2380750
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/12/2024 12:50	WG2380750
Naphthalene	U		0.00100	0.00500	1	10/12/2024 12:50	WG2380750
n-Propylbenzene	U		0.0000993	0.00100	1	10/12/2024 12:50	WG2380750
Styrene	U		0.000118	0.00100	1	10/12/2024 12:50	WG2380750
tert-Butyl alcohol	U		0.00406	0.00500	1	10/12/2024 12:50	WG2380750
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/12/2024 12:50	WG2380750
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/12/2024 12:50	WG2380750
Tetrachloroethene	U		0.000300	0.00100	1	10/12/2024 12:50	WG2380750
Toluene	U		0.000278	0.00100	1	10/12/2024 12:50	WG2380750
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/12/2024 12:50	WG2380750
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/12/2024 12:50	WG2380750
Trichloroethene	U		0.000190	0.00100	1	10/12/2024 12:50	WG2380750
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/12/2024 12:50	WG2380750
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/12/2024 12:50	WG2380750
Vinyl chloride	U		0.000234	0.00100	1	10/12/2024 12:50	WG2380750
o-Xylene	U		0.000174	0.00100	1	10/12/2024 12:50	WG2380750
m&p-Xylene	U		0.000430	0.00200	1	10/12/2024 12:50	WG2380750
Xylenes, Total	U		0.000174	0.00300	1	10/12/2024 12:50	WG2380750
(S) Toluene-d8	*108*			*80.0-120*		*10/12/2024 12:50*	WG2380750
(S) 4-Bromofluorobenzene	*108*			*77.0-126*		*10/12/2024 12:50*	WG2380750
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*10/12/2024 12:50*	WG2380750

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	2.18		0.0247	0.100	1	10/16/2024 23:21	WG2381934
(S) o-Terphenyl	*68.5*			*52.0-156*		*10/16/2024 23:21*	WG2381934

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2900	Q	50.0	1	10/14/2024 18:00	WG2381787

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	112		2.74	5.00	5	10/09/2024 16:21	WG2378628
Fluoride	1.40		0.380	0.750	5	10/09/2024 16:21	WG2378628
Nitrate as (N)	1.97	Q	0.442	0.500	5	10/09/2024 16:21	WG2378628
Nitrite as (N)	U	Q	0.397	0.500	5	10/09/2024 16:21	WG2378628
Sulfate	1900		12.7	100	20	10/09/2024 16:32	WG2378628

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.00228		0.000180	0.00200	1	10/18/2024 17:53	WG2378667
Barium	0.0160		0.000381	0.00200	1	10/18/2024 17:53	WG2378667
Calcium	507		0.0936	1.00	1	10/18/2024 17:53	WG2378667
Chromium	U		0.00124	0.00200	1	10/18/2024 17:53	WG2378667
Iron	U		0.0281	0.100	1	10/18/2024 17:53	WG2378667
Lead	U		0.000849	0.00200	1	10/18/2024 22:04	WG2378667
Manganese	1.96		0.000704	0.00500	1	10/18/2024 17:53	WG2378667
Selenium	0.00204		0.000300	0.00200	1	10/18/2024 17:53	WG2378667
Sodium	119		0.376	2.00	1	10/18/2024 17:53	WG2378667

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Potassium	3.20		0.0965	2.00	1	10/20/2024 13:51	WG2385614

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/12/2024 13:11	WG2380750
Benzene	U		0.0000941	0.00100	1	10/12/2024 13:11	WG2380750
Bromodichloromethane	U		0.000136	0.00100	1	10/12/2024 13:11	WG2380750
Bromoform	U		0.000129	0.00100	1	10/12/2024 13:11	WG2380750
Bromomethane	U		0.000605	0.00500	1	10/12/2024 13:11	WG2380750
n-Butylbenzene	U		0.000157	0.00100	1	10/12/2024 13:11	WG2380750
sec-Butylbenzene	U		0.000125	0.00100	1	10/12/2024 13:11	WG2380750
Carbon disulfide	U		0.0000962	0.00100	1	10/12/2024 13:11	WG2380750
Carbon tetrachloride	U		0.000128	0.00100	1	10/12/2024 13:11	WG2380750
Chlorobenzene	U		0.000116	0.00100	1	10/12/2024 13:11	WG2380750
Chlorodibromomethane	U		0.000140	0.00100	1	10/12/2024 13:11	WG2380750
Chloroethane	U		0.000192	0.00500	1	10/12/2024 13:11	WG2380750
Chloroform	U		0.000111	0.00500	1	10/12/2024 13:11	WG2380750
Chloromethane	U	J3	0.000960	0.00250	1	10/12/2024 13:11	WG2380750
1,2-Dibromoethane	U		0.000126	0.00100	1	10/12/2024 13:11	WG2380750
1,1-Dichloroethane	U		0.000100	0.00100	1	10/12/2024 13:11	WG2380750
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/12/2024 13:11	WG2380750
1,1-Dichloroethene	U		0.000188	0.00100	1	10/12/2024 13:11	WG2380750
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	10/12/2024 13:11	WG2380750
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	10/12/2024 13:11	WG2380750
1,2-Dichloropropane	U		0.000149	0.00100	1	10/12/2024 13:11	WG2380750
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/12/2024 13:11	WG2380750

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/12/2024 13:11	WG2380750
Ethylbenzene	U		0.000137	0.00100	1	10/12/2024 13:11	WG2380750
Isopropylbenzene	U		0.000105	0.00100	1	10/12/2024 13:11	WG2380750
p-Isopropyltoluene	U		0.000120	0.00100	1	10/12/2024 13:11	WG2380750
2-Butanone (MEK)	U	J3	0.00119	0.0100	1	10/12/2024 13:11	WG2380750
2-Hexanone	U		0.000787	0.0100	1	10/12/2024 13:11	WG2380750
Methylene Chloride	U		0.000430	0.00500	1	10/12/2024 13:11	WG2380750
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/12/2024 13:11	WG2380750
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/12/2024 13:11	WG2380750
Naphthalene	0.00179	J	0.00100	0.00500	1	10/12/2024 13:11	WG2380750
n-Propylbenzene	U		0.0000993	0.00100	1	10/12/2024 13:11	WG2380750
Styrene	U		0.000118	0.00100	1	10/12/2024 13:11	WG2380750
tert-Butyl alcohol	U		0.00406	0.00500	1	10/12/2024 13:11	WG2380750
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/12/2024 13:11	WG2380750
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/12/2024 13:11	WG2380750
Tetrachloroethene	U		0.000300	0.00100	1	10/12/2024 13:11	WG2380750
Toluene	U		0.000278	0.00100	1	10/12/2024 13:11	WG2380750
1,1,1-Trichloroethane	U		0.000149	0.00100	1	10/12/2024 13:11	WG2380750
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/12/2024 13:11	WG2380750
Trichloroethene	U		0.000190	0.00100	1	10/12/2024 13:11	WG2380750
1,2,4-Trimethylbenzene	0.000773	J	0.000322	0.00100	1	10/12/2024 13:11	WG2380750
1,3,5-Trimethylbenzene	0.000158	J	0.000104	0.00100	1	10/12/2024 13:11	WG2380750
Vinyl chloride	U		0.000234	0.00100	1	10/12/2024 13:11	WG2380750
o-Xylene	0.000291	J	0.000174	0.00100	1	10/12/2024 13:11	WG2380750
m&p-Xylene	0.000516	J	0.000430	0.00200	1	10/12/2024 13:11	WG2380750
Xylenes, Total	0.000807	J	0.000174	0.00300	1	10/12/2024 13:11	WG2380750
(S) Toluene-d8	*111*			*80.0-120*		*10/12/2024 13:11*	WG2380750
(S) 4-Bromofluorobenzene	*108*			*77.0-126*		*10/12/2024 13:11*	WG2380750
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*10/12/2024 13:11*	WG2380750

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	1.69		0.0247	0.100	1	10/16/2024 23:41	WG2381934
(S) o-Terphenyl	*71.5*			*52.0-156*		*10/16/2024 23:41*	WG2381934

Received by OCD: 6/12/2025 1:19:15 PM

Method Blank (MB)

(MB) R4129123-1 10/04/24 11:42

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		10.0	10.0

L1784264-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1784264-01 10/04/24 11:42 • (DUP) R4129123-3 10/04/24 11:42

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	4770	4820	1	1.04		10

L1784264-28 Original Sample (OS) • Duplicate (DUP)

(OS) L1784264-28 10/04/24 11:42 • (DUP) R4129123-4 10/04/24 11:42

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	2810	2880	1	2.46		10

Laboratory Control Sample (LCS)

(LCS) R4129123-2 10/04/24 11:42

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8660	98.4	85.0-115	

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Received by OCD: 6/12/2025 1:19:15 PM

Method Blank (MB)

(MB) R4128926-1 10/03/24 14:22

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		10.0	10.0

L1784264-29 Original Sample (OS) • Duplicate (DUP)

(OS) L1784264-29 10/03/24 14:22 • (DUP) R4128926-3 10/03/24 14:22

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	2640	2730	1	3.17		10

L1784264-49 Original Sample (OS) • Duplicate (DUP)

(OS) L1784264-49 10/03/24 14:22 • (DUP) R4128926-4 10/03/24 14:22

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	4740	4760	1	0.421		10

Laboratory Control Sample (LCS)

(LCS) R4128926-2 10/03/24 14:22

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8230	93.5	85.0-115	

Released to Imaging: 6/17/2025 4:41:11 PM

Received by OCD: 6/12/2025 1:19:15 PM

Method Blank (MB)

(MB) R4129142-1 10/03/24 15:55

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		10.0	10.0

L1784264-50 Original Sample (OS) • Duplicate (DUP)

(OS) L1784264-50 10/03/24 15:55 • (DUP) R4129142-3 10/03/24 15:55

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	3950	4160	1	5.31		10

L1784264-71 Original Sample (OS) • Duplicate (DUP)

(OS) L1784264-71 10/03/24 15:55 • (DUP) R4129142-4 10/03/24 15:55

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	1470	1540	1	4.77		10

Laboratory Control Sample (LCS)

(LCS) R4129142-2 10/03/24 15:55

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8790	99.9	85.0-115	

Released to Imaging: 6/17/2025 4:41:11 PM

Received by OCD: 6/12/2025 1:19:15 PM

Method Blank (MB)

(MB) R4129124-1 10/04/24 10:00

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U	J	10.0	10.0

L1784264-72 Original Sample (OS) • Duplicate (DUP)

(OS) L1784264-72 10/04/24 10:00 • (DUP) R4129124-3 10/04/24 10:00

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	1330	1360	1	2.23		10

L1784331-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1784331-08 10/04/24 10:00 • (DUP) R4129124-4 10/04/24 10:00

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	1450	1430	1	1.11		10

Laboratory Control Sample (LCS)

(LCS) R4129124-2 10/04/24 10:00

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8790	99.9	85.0-115	

Released to Imaging: 6/17/2025 4:41:11 PM

Method Blank (MB)

(MB) R4129608-1 10/05/24 08:38

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		10.0	10.0

L1784207-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1784207-01 10/05/24 08:38 • (DUP) R4129608-3 10/05/24 08:38

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	299	293	1	2.03		10

L1785209-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1785209-01 10/05/24 08:38 • (DUP) R4129608-4 10/05/24 08:38

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	244	242	1	0.823		10

Laboratory Control Sample (LCS)

(LCS) R4129608-2 10/05/24 08:38

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8570	97.4	85.0-115	

Method Blank (MB)

(MB) R4129613-1 10/05/24 10:47

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		10.0	10.0

L1784231-27 Original Sample (OS) • Duplicate (DUP)

(OS) L1784231-27 10/05/24 10:47 • (DUP) R4129613-3 10/05/24 10:47

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	836	840	1	0.477		10

L1784896-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1784896-06 10/05/24 10:47 • (DUP) R4129613-4 10/05/24 10:47

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	608	608	1	0.000		10

Laboratory Control Sample (LCS)

(LCS) R4129613-2 10/05/24 10:47

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8630	98.1	85.0-115	

Method Blank (MB)

(MB) R4129607-1 10/05/24 08:00

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		10.0	10.0

L1782990-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1782990-01 10/05/24 08:00 • (DUP) R4129607-3 10/05/24 08:00

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	1070	1080	1	0.934		10

L1785114-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1785114-04 10/05/24 08:00 • (DUP) R4129607-4 10/05/24 08:00

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	1260	1260	1	0.318		10

Laboratory Control Sample (LCS)

(LCS) R4129607-2 10/05/24 08:00

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8650	98.3	85.0-115	

Method Blank (MB)

(MB) R4130385-1 10/07/24 09:26

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		10.0	10.0

L1784231-35 Original Sample (OS) • Duplicate (DUP)

(OS) L1784231-35 10/07/24 09:26 • (DUP) R4130385-3 10/07/24 09:26

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	263	270	1	2.63		10

L1785334-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1785334-09 10/07/24 09:26 • (DUP) R4130385-4 10/07/24 09:26

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	1230	1220	1	1.31		10

Laboratory Control Sample (LCS)

(LCS) R4130385-2 10/07/24 09:26

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8720	99.1	85.0-115	

Method Blank (MB)

(MB) R4130648-1 10/07/24 12:23

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		10.0	10.0

L1782637-14 Original Sample (OS) • Duplicate (DUP)

(OS) L1782637-14 10/07/24 12:23 • (DUP) R4130648-3 10/07/24 12:23

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	3740	3840	1	2.64		10

Sample Narrative:

OS: Duplicate Analysis performed due to QC failure. Results don't confirm; both analyses reported

L1785933-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1785933-02 10/07/24 12:23 • (DUP) R4130648-4 10/07/24 12:23

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	381	381	1	0.000		10

Laboratory Control Sample (LCS)

(LCS) R4130648-2 10/07/24 12:23

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8750	99.4	85.0-115	

Received by OCD: 6/12/2025 1:19:15 PM

QUALITY CONTROL SUMMARY

L1784264-131,132,133,134,135

Method Blank (MB)

(MB) R4131671-1 10/09/24 13:44

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		10.0	10.0

L1786277-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1786277-01 10/09/24 13:44 • (DUP) R4131671-3 10/09/24 13:44

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	14000	14300	1	2.55		10

L1786549-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1786549-05 10/09/24 13:44 • (DUP) R4131671-4 10/09/24 13:44

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	234	235	1	0.426		10

Laboratory Control Sample (LCS)

(LCS) R4131671-2 10/09/24 13:44

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8720	99.1	85.0-115	

Released to Imaging: 6/17/2025 4:41:11 PM

Method Blank (MB)

(MB) R4133632-1 10/14/24 18:00

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		10.0	10.0

L1786723-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1786723-01 10/14/24 18:00 • (DUP) R4133632-3 10/14/24 18:00

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	194	201	1	3.54		10

L1786723-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1786723-02 10/14/24 18:00 • (DUP) R4133632-4 10/14/24 18:00

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	211	227	1	7.31		10

Laboratory Control Sample (LCS)

(LCS) R4133632-2 10/14/24 18:00

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8380	95.2	85.0-115	

Method Blank (MB)

(MB) R4128387-1 10/04/24 10:30

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Cyanide	U		0.00180	0.00500

L1784264-21 Original Sample (OS) • Duplicate (DUP)

(OS) L1784264-21 10/04/24 10:56 • (DUP) R4128387-7 10/04/24 10:57

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	U	U	1	0.000		20

L1784264-27 Original Sample (OS) • Duplicate (DUP)

(OS) L1784264-27 10/04/24 10:58 • (DUP) R4128387-8 10/04/24 11:00

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	U	U	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4128387-2 10/04/24 10:31

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Cyanide	0.100	0.0956	95.6	87.1-120	

L1784236-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1784236-02 10/04/24 10:47 • (MS) R4128387-3 10/04/24 10:48 • (MSD) R4128387-4 10/04/24 10:50

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cyanide	0.100	0.0113	0.0838	0.0857	72.5	74.4	1	90.0-110	J6	J6	2.24	20

L1784264-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1784264-09 10/04/24 10:51 • (MS) R4128387-5 10/04/24 10:53 • (MSD) R4128387-6 10/04/24 10:54

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cyanide	0.100	U	0.0772	0.0664	77.2	66.4	1	90.0-110	J6	J6	15.0	20

Method Blank (MB)

(MB) R4129554-1 10/07/24 16:20

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Cyanide	U		0.00180	0.00500

L1785162-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1785162-02 10/07/24 16:39 • (DUP) R4129554-3 10/07/24 16:40

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	0.00236	U	1	200	P1	20

Laboratory Control Sample (LCS)

(LCS) R4129554-2 10/07/24 16:22

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Cyanide	0.100	0.111	111	87.1-120	

Method Blank (MB)

(MB) R4130699-1 10/09/24 18:48

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Cyanide	U		0.00180	0.00500

L1786485-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1786485-02 10/09/24 18:59 • (DUP) R4130699-3 10/09/24 19:01

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	0.0208	0.0131	1	45.4	P1	20

L1786559-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1786559-02 10/09/24 19:17 • (DUP) R4130699-6 10/09/24 19:18

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	U	U	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4130699-2 10/09/24 18:49

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Cyanide	0.100	0.106	106	87.1-120	

L1786559-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1786559-01 10/09/24 19:12 • (MS) R4130699-4 10/09/24 19:14 • (MSD) R4130699-5 10/09/24 19:15

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cyanide	0.100	0.00659	0.0738	0.0747	67.2	68.1	1	90.0-110	J6	J6	1.21	20

L1786559-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1786559-03 10/09/24 19:22 • (MS) R4130699-7 10/09/24 19:24 • (MSD) R4130699-8 10/09/24 19:25

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cyanide	0.100	0.00485	0.0897	0.0884	84.9	83.6	1	90.0-110	J6	J6	1.46	20

Method Blank (MB)

(MB) R4129697-1 10/03/24 11:13

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.547	1.00
Fluoride	U		0.0761	0.150
Nitrate as (N)	U		0.0884	0.100
Nitrite as (N)	U		0.0794	0.100
Sulfate	U		0.637	5.00

L1784264-88 Original Sample (OS) • Duplicate (DUP)

(OS) L1784264-88 10/03/24 18:50 • (DUP) R4129697-3 10/03/24 19:07

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	U	U	1	0.000		15
Fluoride	U	U	1	0.000		15
Nitrate as (N)	U	U	1	0.000		15
Nitrite as (N)	U	U	1	0.000		15
Sulfate	U	U	1	0.000		15

L1784264-53 Original Sample (OS) • Duplicate (DUP)

(OS) L1784264-53 10/03/24 20:15 • (DUP) R4129697-5 10/03/24 20:32

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	1.49	1.46	1	2.63		15
Fluoride	U	U	1	0.000		15
Nitrate as (N)	0.178	0.176	1	0.904		15
Nitrite as (N)	U	U	1	0.000		15
Sulfate	0.778	U	1	200	P1	15

Laboratory Control Sample (LCS)

(LCS) R4129697-2 10/03/24 11:29

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	38.6	96.6	80.0-120	
Fluoride	8.00	7.53	94.2	80.0-120	
Nitrate as (N)	8.00	7.89	98.6	80.0-120	
Nitrite as (N)	8.00	8.04	100	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R4129697-2 10/03/24 11:29

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Sulfate	40.0	39.5	98.9	80.0-120	

L1784264-88 Original Sample (OS) • Matrix Spike (MS)

(OS) L1784264-88 10/03/24 18:50 • (MS) R4129697-4 10/03/24 19:24

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	U	38.8	96.9	1	80.0-120	
Fluoride	8.00	U	7.59	94.9	1	80.0-120	
Nitrate as (N)	8.00	U	8.05	101	1	80.0-120	
Nitrite as (N)	8.00	U	8.02	100	1	80.0-120	
Sulfate	40.0	U	40.3	101	1	80.0-120	

L1784264-53 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1784264-53 10/03/24 20:15 • (MS) R4129697-6 10/03/24 20:48 • (MSD) R4129697-7 10/03/24 21:05

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	40.0	1.49	41.1	40.2	99.0	96.8	1	80.0-120			2.17	15
Fluoride	8.00	U	7.67	7.51	95.9	93.8	1	80.0-120			2.18	15
Nitrate as (N)	8.00	0.178	8.45	8.28	103	101	1	80.0-120			2.14	15
Nitrite as (N)	8.00	U	8.28	8.08	103	101	1	80.0-120			2.35	15
Sulfate	40.0	0.778	42.0	40.9	103	100	1	80.0-120			2.74	15

Method Blank (MB)

(MB) R4130268-1 10/03/24 02:35

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.547	1.00
Fluoride	U		0.0761	0.150
Nitrate as (N)	U		0.0884	0.100
Nitrite as (N)	U		0.0794	0.100
Sulfate	U		0.637	5.00

L1784264-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1784264-12 10/03/24 04:23 • (DUP) R4130268-3 10/03/24 04:36

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	0.854	0.642	1	28.3	J P1	15
Fluoride	U	U	1	0.000		15
Nitrate as (N)	U	U	1	0.000		15
Nitrite as (N)	U	U	1	0.000		15
Sulfate	1.25	1.05	1	17.4	J P1	15

L1784264-24 Original Sample (OS) • Duplicate (DUP)

(OS) L1784264-24 10/03/24 06:51 • (DUP) R4130268-6 10/03/24 07:04

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	0.866	0.719	1	18.6	J P1	15
Fluoride	U	U	1	0.000		15
Nitrate as (N)	U	U	1	0.000		15
Nitrite as (N)	U	U	1	0.000		15
Sulfate	0.958	1.01	1	5.78	J	15

Laboratory Control Sample (LCS)

(LCS) R4130268-2 10/03/24 02:49

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	40.1	100	80.0-120	
Fluoride	8.00	8.27	103	80.0-120	
Nitrate as (N)	8.00	7.97	99.6	80.0-120	
Nitrite as (N)	8.00	8.16	102	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R4130268-2 10/03/24 02:49

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Sulfate	40.0	40.8	102	80.0-120	

L1784264-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1784264-12 10/03/24 04:23 • (MS) R4130268-4 10/03/24 04:50 • (MSD) R4130268-5 10/03/24 05:03

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	40.0	0.854	41.2	40.2	101	98.4	1	80.0-120			2.36	15
Fluoride	8.00	U	8.41	8.21	105	103	1	80.0-120			2.38	15
Nitrate as (N)	8.00	U	8.09	7.93	101	99.2	1	80.0-120			1.95	15
Nitrite as (N)	8.00	U	8.28	8.10	103	101	1	80.0-120			2.19	15
Sulfate	40.0	1.25	41.9	40.8	102	98.9	1	80.0-120			2.55	15

L1784264-24 Original Sample (OS) • Matrix Spike (MS)

(OS) L1784264-24 10/03/24 06:51 • (MS) R4130268-7 10/03/24 07:17

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	0.866	41.4	101	1	80.0-120	
Fluoride	8.00	U	8.46	106	1	80.0-120	
Nitrate as (N)	8.00	U	8.12	102	1	80.0-120	
Nitrite as (N)	8.00	U	8.31	104	1	80.0-120	
Sulfate	40.0	0.958	42.1	103	1	80.0-120	

Method Blank (MB)

(MB) R4130372-1 10/04/24 00:36

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.547	1.00
Fluoride	U		0.0761	0.150
Nitrate as (N)	U		0.0884	0.100
Nitrite as (N)	U		0.0794	0.100
Sulfate	U		0.637	5.00

L1784264-54 Original Sample (OS) • Duplicate (DUP)

(OS) L1784264-54 10/04/24 04:40 • (DUP) R4130372-3 10/04/24 04:54

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	29.3	29.3	1	0.163		15
Nitrate as (N)	U	U	1	0.000		15
Nitrite as (N)	U	U	1	0.000		15

L1784264-56 Original Sample (OS) • Duplicate (DUP)

(OS) L1784264-56 10/04/24 05:48 • (DUP) R4130372-6 10/04/24 06:01

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate as (N)	U	U	1	0.000		15
Nitrite as (N)	U	U	1	0.000		15

L1784264-54 Original Sample (OS) • Duplicate (DUP)

(OS) L1784264-54 10/04/24 11:11 • (DUP) R4130372-8 10/04/24 11:25

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	683	647	10	5.32		15

L1784264-56 Original Sample (OS) • Duplicate (DUP)

(OS) L1784264-56 10/04/24 11:52 • (DUP) R4130372-9 10/04/24 12:13

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	573	593	10	3.42		15
Sulfate	488	510	10	4.52		15

Laboratory Control Sample (LCS)

(LCS) R4130372-2 10/04/24 00:50

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	38.7	96.7	80.0-120	
Fluoride	8.00	8.44	106	80.0-120	
Nitrate as (N)	8.00	7.86	98.3	80.0-120	
Nitrite as (N)	8.00	7.93	99.2	80.0-120	
Sulfate	40.0	38.9	97.3	80.0-120	

L1784264-54 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1784264-54 10/04/24 04:40 • (MS) R4130372-4 10/04/24 05:07 • (MSD) R4130372-5 10/04/24 05:21

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	40.0	29.3	63.1	63.1	84.5	84.5	1	80.0-120			0.0407	15
Nitrate as (N)	8.00	U	10.1	10.1	126	126	1	80.0-120	J5	J5	0.504	15
Nitrite as (N)	8.00	U	7.80	7.80	97.5	97.5	1	80.0-120			0.0667	15

L1784264-56 Original Sample (OS) • Matrix Spike (MS)

(OS) L1784264-56 10/04/24 05:48 • (MS) R4130372-7 10/04/24 06:14

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Nitrate as (N)	8.00	U	9.81	123	1	80.0-120	J5
Nitrite as (N)	8.00	U	9.26	116	1	80.0-120	

Method Blank (MB)

(MB) R4129799-1 10/03/24 04:28

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.547	1.00
Fluoride	U		0.0761	0.150
Nitrate as (N)	U		0.0884	0.100
Nitrite as (N)	U		0.0794	0.100
Sulfate	U		0.637	5.00

Method Blank (MB)

(MB) R4130649-1 10/09/24 10:54

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Sulfate	U		0.637	5.00

L1784264-63 Original Sample (OS) • Duplicate (DUP)

(OS) L1784264-63 10/03/24 06:22 • (DUP) R4129799-3 10/03/24 11:28

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	U	U	1	0.000		15
Fluoride	0.0858	U	1	200	P1	15
Nitrate as (N)	U	U	1	0.000		15
Nitrite as (N)	U	U	1	0.000		15

L1784264-77 Original Sample (OS) • Duplicate (DUP)

(OS) L1784264-77 10/03/24 09:21 • (DUP) R4129799-6 10/03/24 14:52

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	U	U	1	0.000		15
Fluoride	U	U	1	0.000		15
Nitrate as (N)	0.156	0.136	1	13.4		15
Nitrite as (N)	U	U	1	0.000		15

L1784264-63 Original Sample (OS) • Duplicate (DUP)

(OS) L1784264-63 10/09/24 12:55 • (DUP) R4130649-3 10/09/24 13:08

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Sulfate	U	U	1	0.000		15

L1784264-77 Original Sample (OS) • Duplicate (DUP)

(OS) L1784264-77 10/09/24 16:46 • (DUP) R4130649-6 10/09/24 17:00

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Sulfate	U	U	1	0.000		15

Laboratory Control Sample (LCS)

(LCS) R4129799-2 10/03/24 04:40

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Chloride	40.0	40.0	99.9	80.0-120	
Fluoride	8.00	8.14	102	80.0-120	
Nitrate as (N)	8.00	8.37	105	80.0-120	
Nitrite as (N)	8.00	8.71	109	80.0-120	
Sulfate	40.0	43.0	108	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R4130649-2 10/09/24 11:07

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Sulfate	40.0	38.5	96.2	80.0-120	

L1784264-63 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1784264-63 10/03/24 06:22 • (MS) R4129799-4 10/03/24 11:41 • (MSD) R4129799-5 10/03/24 11:54

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Chloride	40.0	U	40.1	40.0	100	99.9	1	80.0-120			0.306	15
Fluoride	8.00	0.0858	8.34	8.33	103	103	1	80.0-120			0.119	15
Nitrate as (N)	8.00	U	8.50	8.47	106	106	1	80.0-120			0.381	15
Nitrite as (N)	8.00	U	8.74	8.73	109	109	1	80.0-120			0.159	15

L1784264-77 Original Sample (OS) • Matrix Spike (MS)

(OS) L1784264-77 10/03/24 09:21 • (MS) R4129799-7 10/03/24 15:05

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	U	40.0	100	1	80.0-120	
Fluoride	8.00	U	8.47	106	1	80.0-120	
Nitrate as (N)	8.00	0.156	8.63	106	1	80.0-120	
Nitrite as (N)	8.00	U	8.73	109	1	80.0-120	

L1784264-63 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1784264-63 10/09/24 12:55 • (MS) R4130649-4 10/09/24 13:21 • (MSD) R4130649-5 10/09/24 13:35

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Sulfate	40.0	U	38.4	37.9	96.1	94.7	1	80.0-120			1.42	15

L1784264-77 Original Sample (OS) • Matrix Spike (MS)

(OS) L1784264-77 10/09/24 16:46 • (MS) R4130649-7 10/09/24 17:13

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Sulfate	40.0	U	40.6	101	1	80.0-120	

Method Blank (MB)

(MB) R4130264-3 10/03/24 23:34

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Nitrate as (N)	U		0.0884	0.100
Nitrite as (N)	U		0.0794	0.100

L1784264-103 Original Sample (OS) • Duplicate (DUP)

(OS) L1784264-103 10/04/24 01:01 • (DUP) R4130264-5 10/04/24 01:12

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate as (N)	0.101	U	1	200	P1	15
Nitrite as (N)	U	U	1	0.000		15

Sample Narrative:

OS: Duplicate Analysis performed due to QC failure. Results do not confirm; reporting both analyses.

L1784264-95 Original Sample (OS) • Duplicate (DUP)

(OS) L1784264-95 10/04/24 03:12 • (DUP) R4130264-8 10/04/24 03:23

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate as (N)	0.0964	0.0967	1	0.311	J	15
Nitrite as (N)	U	U	1	0.000		15

Sample Narrative:

OS: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data

Laboratory Control Sample (LCS)

(LCS) R4130264-4 10/03/24 23:44

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate as (N)	8.00	8.03	100	80.0-120	
Nitrite as (N)	8.00	8.06	101	80.0-120	

L1784264-103 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1784264-103 10/04/24 01:01 • (MS) R4130264-6 10/04/24 01:23 • (MSD) R4130264-7 10/04/24 01:34

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate as (N)	8.00	0.101	8.19	8.12	101	100	1	80.0-120			0.864	15
Nitrite as (N)	8.00	U	8.17	8.14	102	102	1	80.0-120			0.373	15

Sample Narrative:

OS: Duplicate Analysis performed due to QC failure. Results do not confirm; reporting both analyses.

L1784264-95 Original Sample (OS) • Matrix Spike (MS)

(OS) L1784264-95 10/04/24 03:12 • (MS) R4130264-9 10/04/24 03:34

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Nitrate as (N)	8.00	0.0964	8.15	101	1	80.0-120	
Nitrite as (N)	8.00	U	8.15	102	1	80.0-120	

Sample Narrative:

OS: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data

Method Blank (MB)

(MB) R4131191-1 10/05/24 04:34

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.547	1.00
Fluoride	U		0.0761	0.150
Nitrate as (N)	0.0945	J	0.0884	0.100
Nitrite as (N)	U		0.0794	0.100
Sulfate	U		0.637	5.00

L1784264-124 Original Sample (OS) • Duplicate (DUP)

(OS) L1784264-124 10/05/24 09:18 • (DUP) R4131191-3 10/05/24 09:29

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	U	U	1	0.000		15
Fluoride	U	0.0777	1	200	J P1	15
Nitrate as (N)	0.116	0.112	1	3.33		15
Nitrite as (N)	U	U	1	0.000		15
Sulfate	U	U	1	0.000		15

L1784264-126 Original Sample (OS) • Duplicate (DUP)

(OS) L1784264-126 10/05/24 10:02 • (DUP) R4131191-6 10/05/24 10:12

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	145	145	1	0.389		15
Fluoride	0.835	0.817	1	2.20		15
Nitrate as (N)	U	U	1	0.000		15
Nitrite as (N)	U	U	1	0.000		15

Sample Narrative:

OS: Dilution due to matrix impact on instrumentation at lower dilution

L1784264-126 Original Sample (OS) • Duplicate (DUP)

(OS) L1784264-126 10/05/24 10:34 • (DUP) R4131191-8 10/05/24 10:45

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	717	717	10	0.0623		15

Laboratory Control Sample (LCS)

(LCS) R4131191-2 10/05/24 04:45

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	39.1	97.7	80.0-120	
Fluoride	8.00	7.84	97.9	80.0-120	
Nitrate as (N)	8.00	8.20	102	80.0-120	
Nitrite as (N)	8.00	8.26	103	80.0-120	
Sulfate	40.0	43.4	108	80.0-120	

L1784264-124 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1784264-124 10/05/24 09:18 • (MS) R4131191-4 10/05/24 09:40 • (MSD) R4131191-5 10/05/24 09:51

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	40.0	U	39.8	39.9	99.5	99.7	1	80.0-120			0.240	15
Fluoride	8.00	U	7.95	8.02	99.3	100	1	80.0-120			0.882	15
Nitrate as (N)	8.00	0.116	8.29	8.35	102	103	1	80.0-120			0.649	15
Nitrite as (N)	8.00	U	8.36	8.40	105	105	1	80.0-120			0.528	15
Sulfate	40.0	U	43.9	43.9	110	110	1	80.0-120			0.0736	15

L1784264-126 Original Sample (OS) • Matrix Spike (MS)

(OS) L1784264-126 10/05/24 10:02 • (MS) R4131191-7 10/05/24 10:23

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	145	156	27.7	1	80.0-120	J6
Fluoride	8.00	0.835	8.14	91.3	1	80.0-120	
Nitrate as (N)	8.00	U	7.66	95.8	1	80.0-120	
Nitrite as (N)	8.00	U	8.20	102	1	80.0-120	

Sample Narrative:

OS: Dilution due to matrix impact on instrumentation at lower dilution

Method Blank (MB)

(MB) R4130826-1 10/09/24 11:49

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.547	1.00
Fluoride	U		0.0761	0.150
Nitrate as (N)	U		0.0884	0.100
Nitrite as (N)	U		0.0794	0.100
Sulfate	U		0.637	5.00

L1784264-102 Original Sample (OS) • Duplicate (DUP)

(OS) L1784264-102 10/09/24 12:54 • (DUP) R4130826-3 10/09/24 13:05

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	163	163	1	0.108		15
Fluoride	0.522	0.529	1	1.37		15
Nitrate as (N)	U	U	1	0.000		15
Nitrite as (N)	U	U	1	0.000		15
Sulfate	2.86	2.40	1	17.8	J P1	15

L1784264-103 Original Sample (OS) • Duplicate (DUP)

(OS) L1784264-103 10/09/24 13:37 • (DUP) R4130826-6 10/09/24 13:48

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	U	U	1	0.000		15
Fluoride	0.120	0.129	1	7.17	J	15
Nitrate as (N)	U	U	1	0.000		15
Nitrite as (N)	U	U	1	0.000		15
Sulfate	U	U	1	0.000		15

Laboratory Control Sample (LCS)

(LCS) R4130826-2 10/09/24 11:59

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	37.5	93.8	80.0-120	
Fluoride	8.00	8.09	101	80.0-120	
Nitrate as (N)	8.00	7.97	99.6	80.0-120	
Nitrite as (N)	8.00	8.01	100	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R4130826-2 10/09/24 11:59

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Sulfate	40.0	42.0	105	80.0-120	

L1784264-102 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1784264-102 10/09/24 12:54 • (MS) R4130826-4 10/09/24 13:16 • (MSD) R4130826-5 10/09/24 13:27

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	40.0	163	169	169	13.6	13.1	1	80.0-120	V	V	0.103	15
Fluoride	8.00	0.522	9.51	9.46	112	112	1	80.0-120			0.463	15
Nitrate as (N)	8.00	U	8.15	8.11	102	101	1	80.0-120			0.590	15
Nitrite as (N)	8.00	U	7.99	8.00	99.8	99.9	1	80.0-120			0.120	15
Sulfate	40.0	2.86	44.8	44.5	105	104	1	80.0-120			0.548	15

L1784264-103 Original Sample (OS) • Matrix Spike (MS)

(OS) L1784264-103 10/09/24 13:37 • (MS) R4130826-7 10/09/24 13:59

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	U	39.0	97.4	1	80.0-120	
Fluoride	8.00	0.120	8.46	104	1	80.0-120	
Nitrate as (N)	8.00	U	8.29	104	1	80.0-120	
Nitrite as (N)	8.00	U	8.73	109	1	80.0-120	
Sulfate	40.0	U	43.4	108	1	80.0-120	

Method Blank (MB)

(MB) R4132239-1 10/10/24 15:08

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Fluoride	U		0.0761	0.150

L1784264-54 Original Sample (OS) • Duplicate (DUP)

(OS) L1784264-54 10/10/24 16:02 • (DUP) R4132239-3 10/10/24 16:15

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Fluoride	1.39	1.14	1	20.5	J3	15

Sample Narrative:

OS: Duplicate failure due to matrix

L1784264-56 Original Sample (OS) • Duplicate (DUP)

(OS) L1784264-56 10/10/24 16:55 • (DUP) R4132239-6 10/10/24 17:09

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Fluoride	0.715	0.752	1	5.03		15

Laboratory Control Sample (LCS)

(LCS) R4132239-2 10/10/24 15:21

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Fluoride	8.00	7.77	97.1	80.0-120	

L1784264-54 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1784264-54 10/10/24 16:02 • (MS) R4132239-4 10/10/24 16:28 • (MSD) R4132239-5 10/10/24 16:42

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Fluoride	8.00	1.39	8.00	8.00	82.6	82.6	1	80.0-120			0.00750	15

Sample Narrative:

OS: Duplicate failure due to matrix

L1784264-56 Original Sample (OS) • Matrix Spike (MS)

(OS) L1784264-56 10/10/24 16:55 • (MS) R4132239-7 10/10/24 17:22

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Fluoride	8.00	0.715	7.47	84.5	1	80.0-120	

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QUALITY CONTROL SUMMARY

L1784264-92,96,100

Method Blank (MB)

(MB) R4129498-1 10/07/24 12:26

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury	U		0.0000700	0.000200

Laboratory Control Sample (LCS)

(LCS) R4129498-2 10/07/24 12:29

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.00300	0.00345	115	80.0-120	

L1784264-100 Original Sample (OS) • Matrix Spike (MS)

(OS) L1784264-100 10/07/24 12:31 • (MS) R4129498-4 10/07/24 12:36

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Mercury	0.00300	U	0.00184	61.2	1	75.0-125	J6

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Method Blank (MB)

(MB) R4130659-1 10/09/24 12:44

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury	U		0.0000700	0.000200

Laboratory Control Sample (LCS)

(LCS) R4130659-2 10/09/24 12:47

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.00300	0.00256	85.2	80.0-120	

L1785114-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1785114-01 10/09/24 12:49 • (MS) R4130659-4 10/09/24 12:59 • (MSD) R4130659-5 10/09/24 13:02

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.00300	U	0.00233	0.00239	77.8	79.6	1	75.0-125			2.23	20

Method Blank (MB)

(MB) R4129676-1 10/08/24 02:13

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury	U		0.0000700	0.000200

Laboratory Control Sample (LCS)

(LCS) R4129676-2 10/08/24 02:16

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.00300	0.00279	93.1	80.0-120	

L1784231-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1784231-15 10/08/24 02:18 • (MS) R4129676-4 10/08/24 02:23 • (MSD) R4129676-5 10/08/24 02:26

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.00300	U	0.00282	0.00266	94.0	88.8	1	75.0-125			5.67	20

Method Blank (MB)

(MB) R4129850-1 10/08/24 10:15

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury	U		0.0000700	0.000200

Laboratory Control Sample (LCS)

(LCS) R4129850-2 10/08/24 10:17

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.00300	0.00293	97.7	80.0-120	

L1784266-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1784266-02 10/08/24 10:20 • (MS) R4129850-4 10/08/24 10:24 • (MSD) R4129850-5 10/08/24 10:27

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.00300	U	0.00311	0.00307	104	102	1	75.0-125			1.32	20

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Method Blank (MB)

(MB) R4130719-1 10/09/24 19:25

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury	U		0.0000700	0.000200

Laboratory Control Sample (LCS)

(LCS) R4130719-2 10/09/24 19:27

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.00300	0.00275	91.5	80.0-120	

L1786676-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1786676-01 10/09/24 19:30 • (MS) R4130719-4 10/09/24 19:35 • (MSD) R4130719-5 10/09/24 19:37

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.00300	U	0.00166	0.00164	55.3	54.6	1	75.0-125	J6	J6	1.27	20

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Received by OCD: 6/12/2025 1:19:15 PM

Method Blank (MB)

(MB) R4134034-1 10/17/24 10:07

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Boron,Dissolved	U		0.0200	0.200

Laboratory Control Sample (LCS)

(LCS) R4134034-2 10/17/24 10:09

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Boron,Dissolved	1.00	0.968	96.8	80.0-120	

L1784264-30 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1784264-30 10/17/24 10:11 • (MS) R4134034-4 10/17/24 10:14 • (MSD) R4134034-5 10/17/24 10:16

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Boron,Dissolved	1.00	0.724	1.69	1.64	96.7	91.6	1	75.0-125			3.05	20

Released to Imaging: 6/17/2025 4:41:11 PM

Method Blank (MB)

(MB) R4132821-1 10/15/24 10:37

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Boron,Dissolved	U		0.0200	0.200

Laboratory Control Sample (LCS)

(LCS) R4132821-2 10/15/24 10:38

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Boron,Dissolved	1.00	0.962	96.2	80.0-120	

L1784309-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1784309-01 10/15/24 10:40 • (MS) R4132821-4 10/15/24 10:43 • (MSD) R4132821-5 10/15/24 10:45

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Boron,Dissolved	1.00	0.0417	1.01	1.03	97.3	98.7	1	75.0-125			1.34	20

Method Blank (MB)

(MB) R4135171-1 10/20/24 07:39

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Boron,Dissolved	U		0.0200	0.200

Laboratory Control Sample (LCS)

(LCS) R4135171-2 10/20/24 07:41

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Boron,Dissolved	1.00	0.943	94.3	80.0-120	

L1784459-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1784459-03 10/20/24 07:42 • (MS) R4135171-4 10/20/24 07:46 • (MSD) R4135171-5 10/20/24 07:47

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Boron,Dissolved	1.00	0.218	1.17	1.16	95.3	94.6	1	75.0-125			0.589	20

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Method Blank (MB)

(MB) R4134033-1 10/17/24 09:14

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Boron,Dissolved	U		0.0200	0.200

Laboratory Control Sample (LCS)

(LCS) R4134033-2 10/17/24 09:16

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Boron,Dissolved	1.00	0.991	99.1	80.0-120	

L1785297-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1785297-01 10/17/24 09:17 • (MS) R4134033-4 10/17/24 09:21 • (MSD) R4134033-5 10/17/24 09:22

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Boron,Dissolved	1.00	0.0403	1.01	1.02	97.4	97.6	1	75.0-125			0.169	20

Method Blank (MB)

(MB) R4131569-1 10/11/24 12:22

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Boron	U		0.0200	0.200

Laboratory Control Sample (LCS)

(LCS) R4131569-2 10/11/24 12:23

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Boron	1.00	0.966	96.6	80.0-120	

L1784243-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1784243-01 10/11/24 12:25 • (MS) R4131569-4 10/11/24 12:28 • (MSD) R4131569-5 10/11/24 12:30

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Boron	1.00	0.529	1.49	1.50	96.6	97.2	1	75.0-125			0.383	20

Method Blank (MB)

(MB) R4132324-1 10/14/24 09:21

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Boron	U		0.0200	0.200

Laboratory Control Sample (LCS)

(LCS) R4132324-2 10/14/24 09:23

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Boron	1.00	0.981	98.1	80.0-120	

L1784391-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1784391-01 10/14/24 09:25 • (MS) R4132324-4 10/14/24 09:28 • (MSD) R4132324-5 10/14/24 09:30

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Boron	1.00	U	0.969	0.970	96.9	97.0	1	75.0-125			0.156	20

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Method Blank (MB)

(MB) R4132327-1 10/14/24 11:56

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Boron	U		0.0200	0.200

Laboratory Control Sample (LCS)

(LCS) R4132327-2 10/14/24 11:58

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Boron	1.00	0.939	93.9	80.0-120	

L1784264-96 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1784264-96 10/14/24 11:59 • (MS) R4132327-4 10/14/24 12:03 • (MSD) R4132327-5 10/14/24 12:04

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Boron	1.00	0.0231	0.969	0.958	94.6	93.5	1	75.0-125			1.19	20

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Metals (ICP) by Method 6010B

L1784264-134

Method Blank (MB)

(MB) R4132328-1 10/14/24 12:53

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Boron,Dissolved	U		0.0200	0.200

Laboratory Control Sample (LCS)

(LCS) R4132328-2 10/14/24 12:55

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Boron,Dissolved	1.00	0.941	94.1	80.0-120	

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Method Blank (MB)

(MB) R4133692-1 10/16/24 17:20

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Boron	U		0.0200	0.200

Laboratory Control Sample (LCS)

(LCS) R4133692-2 10/16/24 17:22

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Boron	1.00	0.997	99.7	80.0-120	

L1784264-131 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1784264-131 10/16/24 17:24 • (MS) R4133692-4 10/16/24 17:27 • (MSD) R4133692-5 10/16/24 17:29

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Boron	1.00	0.729	1.70	1.73	97.2	100	1	75.0-125			1.87	20

Method Blank (MB)

(MB) R4133166-1 10/15/24 19:28

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Boron	U		0.0200	0.200

Laboratory Control Sample (LCS)

(LCS) R4133166-2 10/15/24 19:30

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Boron	1.00	1.00	100	80.0-120	

L1784231-35 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1784231-35 10/15/24 19:32 • (MS) R4133166-4 10/15/24 19:35 • (MSD) R4133166-5 10/15/24 19:37

Analyte	Spike Amount mg/l	Original Result	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Boron	1.00		1.13	1.13	99.7	100	1	75.0-125			0.377	20

Method Blank (MB)

(MB) R4134338-1 10/17/24 20:26

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic,Dissolved	0.000271	J	0.000180	0.00200
Iron,Dissolved	U		0.0281	0.100
Manganese,Dissolved	U		0.000704	0.00500
Uranium,Dissolved	U		0.0000789	0.00100

Laboratory Control Sample (LCS)

(LCS) R4134338-2 10/17/24 20:30

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic,Dissolved	0.0500	0.0492	98.4	80.0-120	
Iron,Dissolved	1.00	0.936	93.6	80.0-120	
Manganese,Dissolved	0.0500	0.0494	98.9	80.0-120	
Uranium,Dissolved	0.0500	0.0456	91.2	80.0-120	

L1784264-30 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1784264-30 10/17/24 20:33 • (MS) R4134338-4 10/17/24 20:39 • (MSD) R4134338-5 10/17/24 20:42

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic,Dissolved	0.0500	0.00458	0.0564	0.0565	104	104	1	75.0-125			0.0473	20
Iron,Dissolved	1.00	U	1.01	0.967	101	96.7	1	75.0-125			4.80	20
Manganese,Dissolved	0.0500	0.0281	0.0784	0.0757	101	95.3	1	75.0-125			3.58	20
Uranium,Dissolved	0.0500	0.0428	0.0921	0.0943	98.6	103	1	75.0-125			2.39	20

Method Blank (MB)

(MB) R4134296-1 10/17/24 19:38

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.000180	0.00200
Barium	U		0.000381	0.00200
Calcium	U		0.0936	1.00
Chromium	U		0.00124	0.00200
Iron	U		0.0281	0.100
Lead	U		0.000849	0.00200
Manganese	U		0.000704	0.00500
Potassium	U		0.108	2.00
Selenium	U		0.000300	0.00200
Sodium	U		0.376	2.00

Laboratory Control Sample (LCS)

(LCS) R4134296-2 10/17/24 19:41

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	0.0500	0.0496	99.2	80.0-120	
Barium	0.0500	0.0481	96.2	80.0-120	
Calcium	5.00	5.04	101	80.0-120	
Chromium	0.0500	0.0502	100	80.0-120	
Iron	1.00	0.965	96.5	80.0-120	
Lead	0.0500	0.0475	94.9	80.0-120	
Manganese	0.0500	0.0501	100	80.0-120	
Potassium	5.00	4.70	94.1	80.0-120	
Selenium	0.0500	0.0488	97.5	80.0-120	
Sodium	5.00	5.07	101	80.0-120	

L1783954-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1783954-04 10/17/24 19:44 • (MS) R4134296-4 10/17/24 19:51 • (MSD) R4134296-5 10/17/24 19:54

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	0.000357	0.0491	0.0488	97.5	96.8	1	75.0-125			0.699	20
Barium	0.0500	0.0522	0.0986	0.101	92.7	97.3	1	75.0-125			2.32	20
Calcium	5.00	41.1	45.7	46.0	92.9	98.4	1	75.0-125			0.606	20
Chromium	0.0500	U	0.0495	0.0493	99.1	98.5	1	75.0-125			0.585	20
Iron	1.00	0.0548	0.990	0.980	93.5	92.5	1	75.0-125			0.972	20
Lead	0.0500	U	0.0471	0.0463	94.1	92.5	1	75.0-125			1.70	20
Manganese	0.0500	0.0807	0.128	0.128	95.5	94.3	1	75.0-125			0.454	20

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L1783954-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1783954-04 10/17/24 19:44 • (MS) R4134296-4 10/17/24 19:51 • (MSD) R4134296-5 10/17/24 19:54

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Potassium	5.00	1.57	6.11	6.49	90.8	98.3	1	75.0-125			5.96	20
Selenium	0.0500	0.000397	0.0478	0.0472	95.6	94.3	1	75.0-125			1.37	20
Sodium	5.00	4.92	9.85	9.89	98.6	99.3	1	75.0-125			0.363	20

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Method Blank (MB)

(MB) R4133179-1 10/15/24 19:45

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic,Dissolved	U		0.000180	0.00200
Iron,Dissolved	U		0.0281	0.100
Manganese,Dissolved	U		0.000704	0.00500
Uranium,Dissolved	U		0.0000789	0.00100

Laboratory Control Sample (LCS)

(LCS) R4133179-2 10/15/24 19:49

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic,Dissolved	0.0500	0.0507	101	80.0-120	
Iron,Dissolved	1.00	1.01	101	80.0-120	
Manganese,Dissolved	0.0500	0.0512	102	80.0-120	
Uranium,Dissolved	0.0500	0.0476	95.2	80.0-120	

L1784264-32 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1784264-32 10/15/24 19:52 • (MS) R4133179-4 10/15/24 19:59 • (MSD) R4133179-5 10/15/24 20:02

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic,Dissolved	0.0500	0.00337	0.0546	0.0542	102	102	1	75.0-125			0.725	20
Iron,Dissolved	1.00	U	1.02	1.02	102	102	1	75.0-125			0.526	20
Manganese,Dissolved	0.0500	0.348	0.397	0.398	98.7	100	1	75.0-125			0.174	20
Uranium,Dissolved	0.0500	0.0313	0.0830	0.0835	103	104	1	75.0-125			0.668	20

Method Blank (MB)

(MB) R4134294-1 10/17/24 18:00

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic,Dissolved	U		0.000180	0.00200
Iron,Dissolved	U		0.0281	0.100
Manganese,Dissolved	U		0.000704	0.00500

Method Blank (MB)

(MB) R4134336-1 10/17/24 22:35

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Uranium,Dissolved	U		0.0000789	0.00100

Laboratory Control Sample (LCS)

(LCS) R4134294-2 10/17/24 18:04

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic,Dissolved	0.0500	0.0443	88.6	80.0-120	
Iron,Dissolved	1.00	0.923	92.3	80.0-120	
Manganese,Dissolved	0.0500	0.0455	91.0	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R4134336-2 10/17/24 22:38

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Uranium,Dissolved	0.0500	0.0466	93.1	80.0-120	

L1784840-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1784840-04 10/17/24 18:07 • (MS) R4134294-4 10/17/24 18:14 • (MSD) R4134294-5 10/17/24 18:17

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic,Dissolved	0.0500	0.000343	0.0458	0.0462	90.9	91.7	1	75.0-125			0.931	20
Iron,Dissolved	1.00	0.0846	0.984	0.974	89.9	88.9	1	75.0-125			1.05	20
Manganese,Dissolved	0.0500	0.000878	0.0458	0.0482	89.9	94.6	1	75.0-125			4.98	20

L1784840-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1784840-04 10/17/24 22:41 • (MS) R4134336-4 10/17/24 22:47 • (MSD) R4134336-5 10/17/24 22:50

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Uranium,Dissolved	0.0500	U	0.0475	0.0479	95.0	95.8	1	75.0-125			0.843	20

Method Blank (MB)

(MB) R4130734-1 10/09/24 18:14

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.000180	0.00200
Barium	0.000749	J	0.000381	0.00200
Cadmium	U		0.000150	0.00100
Calcium	0.191	J	0.0936	1.00
Chromium	U		0.00124	0.00200
Cobalt	U		0.0000596	0.00200
Iron	U		0.0281	0.100
Lead	U		0.000849	0.00200
Manganese	0.00155	J	0.000704	0.00500
Nickel	0.000907	J	0.000816	0.00200
Potassium	U		0.108	2.00
Selenium	U		0.000300	0.00200
Sodium	U		0.376	2.00
Uranium	U		0.0000789	0.00100
Vanadium	U		0.000664	0.00500

Laboratory Control Sample (LCS)

(LCS) R4130734-2 10/09/24 18:17

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	0.0500	0.0478	95.6	80.0-120	
Barium	0.0500	0.0462	92.4	80.0-120	
Cadmium	0.0500	0.0496	99.1	80.0-120	
Calcium	5.00	4.73	94.6	80.0-120	
Chromium	0.0500	0.0493	98.6	80.0-120	
Cobalt	0.0500	0.0500	99.9	80.0-120	
Iron	1.00	0.973	97.3	80.0-120	
Lead	0.0500	0.0473	94.6	80.0-120	
Manganese	0.0500	0.0471	94.3	80.0-120	
Nickel	0.0500	0.0508	102	80.0-120	
Potassium	5.00	4.84	96.7	80.0-120	
Selenium	0.0500	0.0504	101	80.0-120	
Sodium	5.00	4.92	98.3	80.0-120	
Uranium	0.0500	0.0462	92.4	80.0-120	
Vanadium	0.0500	0.0489	97.8	80.0-120	

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L1784264-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1784264-16 10/09/24 18:20 • (MS) R4130734-4 10/09/24 18:27 • (MSD) R4130734-5 10/09/24 18:30

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	0.000894	0.0490	0.0492	96.2	96.7	1	75.0-125			0.486	20
Barium	0.0500	0.0157	0.0637	0.0656	96.0	99.8	1	75.0-125			2.91	20
Cadmium	0.0500	U	0.0496	0.0495	99.3	99.0	1	75.0-125			0.293	20
Calcium	5.00	420	418	422	0.000	37.9	1	75.0-125	V	V	1.05	20
Chromium	0.0500	U	0.0480	0.0492	96.1	98.4	1	75.0-125			2.38	20
Cobalt	0.0500	0.000119	0.0487	0.0486	97.3	97.1	1	75.0-125			0.200	20
Iron	1.00	0.408	1.35	1.36	94.1	95.4	1	75.0-125			0.949	20
Lead	0.0500	U	0.0472	0.0473	94.4	94.6	1	75.0-125			0.249	20
Manganese	0.0500	0.283	0.329	0.331	93.4	97.7	1	75.0-125			0.645	20
Nickel	0.0500	0.000900	0.0485	0.0490	95.2	96.3	1	75.0-125			1.09	20
Potassium	5.00	8.12	12.6	12.5	89.2	88.3	1	75.0-125			0.382	20
Selenium	0.0500	U	0.0477	0.0495	95.4	98.9	1	75.0-125			3.64	20
Sodium	5.00	568	570	569	37.2	19.9	1	75.0-125	V	V	0.152	20
Uranium	0.0500	0.000386	0.0489	0.0493	97.1	97.9	1	75.0-125			0.780	20
Vanadium	0.0500	U	0.0486	0.0486	97.3	97.3	1	75.0-125			0.0304	20

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Method Blank (MB)

(MB) R4134518-1 10/18/24 12:49

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.000180	0.00200
Barium	U		0.000381	0.00200
Cadmium	U		0.000150	0.00100
Calcium	U		0.0936	1.00
Chromium	U		0.00124	0.00200
Cobalt	U		0.0000596	0.00200
Iron	U		0.0281	0.100
Lead	U		0.000849	0.00200
Manganese	U		0.000704	0.00500
Nickel	U		0.000816	0.00200
Potassium	U		0.108	2.00
Selenium	U		0.000300	0.00200
Sodium	U		0.376	2.00
Uranium	U		0.0000789	0.00100
Vanadium	U		0.000664	0.00500

Laboratory Control Sample (LCS)

(LCS) R4134518-2 10/18/24 12:52

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	0.0500	0.0538	108	80.0-120	
Barium	0.0500	0.0521	104	80.0-120	
Cadmium	0.0500	0.0548	110	80.0-120	
Calcium	5.00	5.41	108	80.0-120	
Chromium	0.0500	0.0550	110	80.0-120	
Cobalt	0.0500	0.0551	110	80.0-120	
Iron	1.00	1.04	104	80.0-120	
Lead	0.0500	0.0525	105	80.0-120	
Manganese	0.0500	0.0540	108	80.0-120	
Nickel	0.0500	0.0547	109	80.0-120	
Potassium	5.00	5.16	103	80.0-120	
Selenium	0.0500	0.0532	106	80.0-120	
Sodium	5.00	5.37	107	80.0-120	
Uranium	0.0500	0.0514	103	80.0-120	
Vanadium	0.0500	0.0538	108	80.0-120	

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QUALITY CONTROL SUMMARY

L1784264-23 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1784264-23 10/18/24 12:55 • (MS) R4134518-4 10/18/24 13:02 • (MSD) R4134518-5 10/18/24 13:05

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	0.00312	0.0563	0.0553	106	104	5	75.0-125			1.77	20
Barium	0.0500	0.0190	0.0741	0.0727	110	107	5	75.0-125			1.93	20
Cadmium	0.0500	U	0.0527	0.0503	105	101	5	75.0-125			4.74	20
Calcium	5.00	797	785	768	0.000	0.000	5	75.0-125	V	V	2.15	20
Chromium	0.0500	U	0.0540	0.0506	108	101	5	75.0-125			6.52	20
Cobalt	0.0500	0.000665	0.0525	0.0508	104	100	5	75.0-125			3.26	20
Iron	1.00	7.70	8.56	8.36	86.1	65.9	5	75.0-125		V	2.39	20
Lead	0.0500	U	0.0514	0.0492	103	98.3	5	75.0-125			4.37	20
Manganese	0.0500	0.508	0.549	0.535	82.6	53.7	5	75.0-125		V	2.66	20
Nickel	0.0500	U	0.0522	0.0494	104	98.8	5	75.0-125			5.56	20
Potassium	5.00	7.16	12.0	11.7	95.9	91.6	5	75.0-125			1.82	20
Selenium	0.0500	U	0.0524	0.0532	105	106	5	75.0-125			1.49	20
Sodium	5.00	1860	1860	1830	0.000	0.000	5	75.0-125	V	V	1.69	20
Uranium	0.0500	0.000650	0.0526	0.0498	104	98.3	5	75.0-125			5.43	20
Vanadium	0.0500	U	0.0532	0.0513	106	103	5	75.0-125			3.73	20

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Method Blank (MB)

(MB) R4134413-1 10/17/24 23:48

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.000180	0.00200
Barium	U		0.000381	0.00200
Cadmium	U		0.000150	0.00100
Calcium	U		0.0936	1.00
Chromium	U		0.00124	0.00200
Cobalt	U		0.0000596	0.00200
Iron	U		0.0281	0.100
Lead	U		0.000849	0.00200
Manganese	U		0.000704	0.00500
Nickel	U		0.000816	0.00200
Potassium	U		0.108	2.00
Selenium	U		0.000300	0.00200
Sodium	U		0.376	2.00
Uranium	U		0.0000789	0.00100
Vanadium	U		0.000664	0.00500

Laboratory Control Sample (LCS)

(LCS) R4134413-2 10/17/24 23:51

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	0.0500	0.0486	97.3	80.0-120	
Barium	0.0500	0.0487	97.5	80.0-120	
Cadmium	0.0500	0.0518	104	80.0-120	
Calcium	5.00	4.94	98.7	80.0-120	
Chromium	0.0500	0.0498	99.7	80.0-120	
Cobalt	0.0500	0.0507	101	80.0-120	
Iron	1.00	0.949	94.9	80.0-120	
Lead	0.0500	0.0485	97.0	80.0-120	
Manganese	0.0500	0.0480	96.0	80.0-120	
Nickel	0.0500	0.0505	101	80.0-120	
Potassium	5.00	4.66	93.2	80.0-120	
Selenium	0.0500	0.0461	92.2	80.0-120	
Sodium	5.00	5.07	101	80.0-120	
Uranium	0.0500	0.0483	96.7	80.0-120	
Vanadium	0.0500	0.0490	98.0	80.0-120	

L1784264-41 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1784264-41 10/17/24 23:54 • (MS) R4134413-4 10/18/24 00:00 • (MSD) R4134413-5 10/18/24 00:03

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	0.00538	0.0546	0.0555	98.4	100	1	75.0-125			1.64	20
Barium	0.0500	0.0512	0.102	0.108	102	114	1	75.0-125			5.53	20
Cadmium	0.0500	0.000306	0.0516	0.0523	103	104	1	75.0-125			1.21	20
Calcium	5.00	523	521	523	0.000	19.2	1	75.0-125	V	V	0.444	20
Chromium	0.0500	0.0100	0.0591	0.0594	98.0	98.6	1	75.0-125			0.509	20
Cobalt	0.0500	0.00323	0.0523	0.0522	98.2	98.0	1	75.0-125			0.131	20
Iron	1.00	2.95	4.11	4.60	115	165	1	75.0-125		J5	11.4	20
Lead	0.0500	0.0153	0.0623	0.0628	93.9	94.9	1	75.0-125			0.749	20
Manganese	0.0500	0.0979	0.148	0.150	99.3	104	1	75.0-125			1.49	20
Nickel	0.0500	0.00695	0.0540	0.0560	94.1	98.1	1	75.0-125			3.61	20
Potassium	5.00	1.39	5.96	6.16	91.3	95.5	1	75.0-125			3.39	20
Selenium	0.0500	0.00899	0.0585	0.0594	99.0	101	1	75.0-125			1.54	20
Sodium	5.00	236	238	242	40.8	105	1	75.0-125	V		1.33	20
Uranium	0.0500	0.0280	0.0766	0.0766	97.3	97.3	1	75.0-125			0.00568	20
Vanadium	0.0500	0.0284	0.0777	0.0777	98.5	98.5	1	75.0-125			0.0000515	20

Method Blank (MB)

(MB) R4134514-1 10/18/24 12:14

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.000180	0.00200
Barium	U		0.000381	0.00200
Cadmium	U		0.000150	0.00100
Calcium	U		0.0936	1.00
Chromium	U		0.00124	0.00200
Cobalt	U		0.0000596	0.00200
Iron	U		0.0281	0.100
Lead	U		0.000849	0.00200
Manganese	U		0.000704	0.00500
Nickel	U		0.000816	0.00200
Potassium	U		0.108	2.00
Selenium	U		0.000300	0.00200
Sodium	U		0.376	2.00
Uranium	U		0.0000789	0.00100
Vanadium	U		0.000664	0.00500

Laboratory Control Sample (LCS)

(LCS) R4134514-2 10/18/24 12:17

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	0.0500	0.0501	100	80.0-120	
Barium	0.0500	0.0509	102	80.0-120	
Cadmium	0.0500	0.0522	104	80.0-120	
Calcium	5.00	4.97	99.4	80.0-120	
Chromium	0.0500	0.0515	103	80.0-120	
Cobalt	0.0500	0.0517	103	80.0-120	
Iron	1.00	1.00	100	80.0-120	
Lead	0.0500	0.0498	99.7	80.0-120	
Manganese	0.0500	0.0506	101	80.0-120	
Nickel	0.0500	0.0514	103	80.0-120	
Potassium	5.00	4.82	96.5	80.0-120	
Selenium	0.0500	0.0498	99.7	80.0-120	
Sodium	5.00	5.03	101	80.0-120	
Uranium	0.0500	0.0511	102	80.0-120	
Vanadium	0.0500	0.0513	103	80.0-120	

L1784264-62 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1784264-62 10/18/24 12:20 • (MS) R4134514-4 10/18/24 12:26 • (MSD) R4134514-5 10/18/24 12:30

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	0.0327	0.0840	0.0866	102	108	1	75.0-125			3.08	20
Barium	0.0500	0.0407	0.0946	0.0931	108	105	1	75.0-125			1.61	20
Cadmium	0.0500	U	0.0538	0.0545	108	109	1	75.0-125			1.33	20
Calcium	5.00	154	159	160	87.4	114	1	75.0-125			0.829	20
Chromium	0.0500	0.113	0.167	0.171	107	115	1	75.0-125			2.29	20
Cobalt	0.0500	0.000282	0.0516	0.0534	103	106	1	75.0-125			3.47	20
Iron	1.00	0.226	1.28	1.36	105	114	1	75.0-125			6.45	20
Lead	0.0500	U	0.0514	0.0531	103	106	1	75.0-125			3.17	20
Manganese	0.0500	0.562	0.608	0.612	92.3	99.2	1	75.0-125			0.569	20
Nickel	0.0500	0.0150	0.0686	0.0812	107	132	1	75.0-125		J5	16.8	20
Potassium	5.00	0.520	5.50	5.65	99.6	103	1	75.0-125			2.63	20
Selenium	0.0500	U	0.0524	0.0546	105	109	1	75.0-125			4.11	20
Sodium	5.00	166	169	170	49.9	75.2	1	75.0-125	V		0.743	20
Uranium	0.0500	0.000885	0.0552	0.0560	109	110	1	75.0-125			1.43	20
Vanadium	0.0500	U	0.0527	0.0543	105	109	1	75.0-125			2.99	20

Method Blank (MB)

(MB) R4134407-1 10/18/24 01:29

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.000180	0.00200
Barium	U		0.000381	0.00200
Calcium	U		0.0936	1.00
Chromium	U		0.00124	0.00200
Iron	U		0.0281	0.100
Lead	U		0.000849	0.00200
Manganese	U		0.000704	0.00500
Potassium	U		0.108	2.00
Selenium	U		0.000300	0.00200
Sodium	U		0.376	2.00

Laboratory Control Sample (LCS)

(LCS) R4134407-2 10/18/24 01:33

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	0.0500	0.0482	96.3	80.0-120	
Barium	0.0500	0.0487	97.3	80.0-120	
Calcium	5.00	4.87	97.5	80.0-120	
Chromium	0.0500	0.0489	97.9	80.0-120	
Iron	1.00	0.947	94.7	80.0-120	
Lead	0.0500	0.0497	99.5	80.0-120	
Manganese	0.0500	0.0486	97.3	80.0-120	
Potassium	5.00	4.49	89.7	80.0-120	
Selenium	0.0500	0.0477	95.5	80.0-120	
Sodium	5.00	4.82	96.4	80.0-120	

L1784264-84 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1784264-84 10/18/24 01:36 • (MS) R4134407-4 10/18/24 01:46 • (MSD) R4134407-5 10/18/24 01:49

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	0.117	0.164	0.166	93.4	97.6	1	75.0-125			1.29	20
Barium	0.0500	0.0464	0.0954	0.101	98.0	110	1	75.0-125			6.20	20
Calcium	5.00	553	555	546	40.9	0.000	1	75.0-125	V	V	1.63	20
Chromium	0.0500	0.00216	0.0490	0.0508	98.0	102	1	75.0-125			3.70	20
Iron	1.00	12.7	13.4	13.7	72.9	103	1	75.0-125	V		2.25	20
Lead	0.0500	0.00144	0.0500	0.0498	97.1	96.8	1	75.0-125			0.318	20
Manganese	0.0500	2.33	2.36	2.37	47.3	73.5	1	75.0-125	V	V	0.553	20

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L1784264-84 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1784264-84 10/18/24 01:36 • (MS) R4134407-4 10/18/24 01:46 • (MSD) R4134407-5 10/18/24 01:49

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Potassium	5.00	24.6	30.1	29.4	110	94.7	1	75.0-125			2.54	20
Selenium	0.0500	0.00595	0.0555	0.0556	99.1	99.3	1	75.0-125			0.214	20
Sodium	5.00	1970	1980	1970	297	153	1	75.0-125	E V	E V	0.362	20

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Method Blank (MB)

(MB) R4133556-1 10/16/24 14:01

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic,Dissolved	U		0.000180	0.00200
Iron,Dissolved	U		0.0281	0.100
Manganese,Dissolved	U		0.000704	0.00500
Uranium,Dissolved	U		0.0000789	0.00100

Laboratory Control Sample (LCS)

(LCS) R4133556-2 10/16/24 14:05

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic,Dissolved	0.0500	0.0445	89.0	80.0-120	
Iron,Dissolved	1.00	0.926	92.6	80.0-120	
Manganese,Dissolved	0.0500	0.0450	90.0	80.0-120	
Uranium,Dissolved	0.0500	0.0462	92.3	80.0-120	

L1786440-34 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1786440-34 10/16/24 14:16 • (MS) R4133556-4 10/16/24 14:22 • (MSD) R4133556-5 10/16/24 14:26

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic,Dissolved	0.0500	U	0.0457	0.0453	91.4	90.6	1	75.0-125			0.829	20
Iron,Dissolved	1.00	U	0.928	0.934	92.8	93.4	1	75.0-125			0.658	20
Manganese,Dissolved	0.0500	0.00604	0.0528	0.0510	93.6	89.9	1	75.0-125			3.51	20
Uranium,Dissolved	0.0500	U	0.0458	0.0459	91.5	91.7	1	75.0-125			0.202	20

Method Blank (MB)

(MB) R4134762-1 10/18/24 16:44

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.000180	0.00200
Barium	U		0.000381	0.00200
Cadmium	U		0.000150	0.00100
Calcium	U		0.0936	1.00
Chromium	U		0.00124	0.00200
Cobalt	U		0.0000596	0.00200
Iron	0.0363	J	0.0281	0.100
Manganese	0.000759	J	0.000704	0.00500
Nickel	U		0.000816	0.00200
Potassium	0.146	J	0.108	2.00
Selenium	U		0.000300	0.00200
Sodium	U		0.376	2.00
Vanadium	U		0.000664	0.00500

Method Blank (MB)

(MB) R4134822-1 10/18/24 21:16

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Lead	U		0.000849	0.00200
Uranium	U		0.0000789	0.00100

Laboratory Control Sample (LCS)

(LCS) R4134762-2 10/18/24 16:47

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	0.0500	0.0497	99.3	80.0-120	
Barium	0.0500	0.0523	105	80.0-120	
Cadmium	0.0500	0.0561	112	80.0-120	
Calcium	5.00	5.34	107	80.0-120	
Chromium	0.0500	0.0521	104	80.0-120	
Cobalt	0.0500	0.0527	105	80.0-120	
Iron	1.00	1.02	102	80.0-120	
Manganese	0.0500	0.0514	103	80.0-120	
Nickel	0.0500	0.0536	107	80.0-120	
Potassium	5.00	6.47	129	80.0-120	J4
Selenium	0.0500	0.0503	101	80.0-120	
Sodium	5.00	5.32	106	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R4134762-2 10/18/24 16:47

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Vanadium	0.0500	0.0518	104	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R4134822-2 10/18/24 21:19

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Lead	0.0500	0.0503	101	80.0-120	
Uranium	0.0500	0.0532	106	80.0-120	

L1784264-101 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1784264-101 10/18/24 16:51 • (MS) R4134762-4 10/18/24 16:57 • (MSD) R4134762-5 10/18/24 17:00

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	0.00250	0.0517	0.0506	98.4	96.2	1	75.0-125			2.13	20
Barium	0.0500	0.0168	0.0681	0.0686	103	104	1	75.0-125			0.669	20
Cadmium	0.0500	U	0.0545	0.0533	109	107	1	75.0-125			2.23	20
Calcium	5.00	352	357	353	117	24.0	1	75.0-125		V	1.31	20
Chromium	0.0500	U	0.0507	0.0509	101	102	1	75.0-125			0.373	20
Cobalt	0.0500	0.00279	0.0534	0.0530	101	100	1	75.0-125			0.727	20
Iron	1.00	0.157	1.13	1.12	97.1	96.6	1	75.0-125			0.385	20
Manganese	0.0500	0.0236	0.0731	0.0739	99.1	101	1	75.0-125			0.989	20
Nickel	0.0500	0.00259	0.0527	0.0521	100	98.9	1	75.0-125			1.25	20
Potassium	5.00	0.457	5.53	5.23	102	95.4	1	75.0-125			5.72	20
Selenium	0.0500	0.00439	0.0552	0.0551	102	101	1	75.0-125			0.114	20
Sodium	5.00	103	110	107	148	84.6	1	75.0-125	V		2.93	20
Vanadium	0.0500	0.0270	0.0783	0.0775	103	101	1	75.0-125			1.00	20

L1784264-101 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1784264-101 10/18/24 21:22 • (MS) R4134822-4 10/18/24 21:29 • (MSD) R4134822-5 10/18/24 21:32

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Lead	0.0500	U	0.0500	0.0493	100	98.5	1	75.0-125			1.59	20
Uranium	0.0500	0.0121	0.0644	0.0632	105	102	1	75.0-125			1.88	20

Method Blank (MB)

(MB) R4134813-1 10/18/24 19:44

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.000180	0.00200
Barium	U		0.000381	0.00200
Cadmium	U		0.000150	0.00100
Calcium	U		0.0936	1.00
Chromium	0.00178	J	0.00124	0.00200
Cobalt	U		0.0000596	0.00200
Iron	U		0.0281	0.100
Lead	U		0.000849	0.00200
Manganese	U		0.000704	0.00500
Nickel	U		0.000816	0.00200
Potassium	U		0.108	2.00
Selenium	U		0.000300	0.00200
Sodium	U		0.376	2.00
Uranium	U		0.0000789	0.00100
Vanadium	U		0.000664	0.00500

Laboratory Control Sample (LCS)

(LCS) R4134813-2 10/18/24 19:47

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	0.0500	0.0508	102	80.0-120	
Barium	0.0500	0.0498	99.7	80.0-120	
Cadmium	0.0500	0.0529	106	80.0-120	
Calcium	5.00	5.17	103	80.0-120	
Chromium	0.0500	0.0513	103	80.0-120	
Cobalt	0.0500	0.0528	106	80.0-120	
Iron	1.00	0.983	98.3	80.0-120	
Lead	0.0500	0.0507	101	80.0-120	
Manganese	0.0500	0.0502	100	80.0-120	
Nickel	0.0500	0.0532	106	80.0-120	
Potassium	5.00	4.82	96.4	80.0-120	
Selenium	0.0500	0.0487	97.4	80.0-120	
Sodium	5.00	5.13	103	80.0-120	
Uranium	0.0500	0.0494	98.7	80.0-120	
Vanadium	0.0500	0.0503	101	80.0-120	

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QUALITY CONTROL SUMMARY

L1784264-91,92,94,95,96,97,98,99,102,103

L1784264-91 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1784264-91 10/18/24 19:50 • (MS) R4134813-4 10/18/24 19:56 • (MSD) R4134813-5 10/18/24 19:59

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	0.000837	0.0518	0.0516	102	102	1	75.0-125			0.307	20
Barium	0.0500	0.300	0.354	0.353	108	105	1	75.0-125			0.376	20
Cadmium	0.0500	U	0.0523	0.0524	105	105	1	75.0-125			0.212	20
Calcium	5.00	175	179	178	84.5	66.9	1	75.0-125		V	0.493	20
Chromium	0.0500	U	0.0510	0.0508	102	102	1	75.0-125			0.374	20
Cobalt	0.0500	0.0000965	0.0504	0.0502	101	100	1	75.0-125			0.355	20
Iron	1.00	0.0660	1.01	1.01	94.4	94.2	1	75.0-125			0.209	20
Lead	0.0500	0.00191	0.0516	0.0521	99.3	100	1	75.0-125			0.980	20
Manganese	0.0500	0.206	0.256	0.254	98.6	95.3	1	75.0-125			0.650	20
Nickel	0.0500	0.000534	0.0503	0.0501	101	100	1	75.0-125			0.528	20
Potassium	5.00	0.303	5.02	5.03	94.4	94.6	1	75.0-125			0.174	20
Selenium	0.0500	U	0.0504	0.0506	101	101	1	75.0-125			0.480	20
Sodium	5.00	228	229	229	13.9	20.1	1	75.0-125	V	V	0.135	20
Uranium	0.0500	0.000352	0.0512	0.0513	102	102	1	75.0-125			0.0381	20
Vanadium	0.0500	0.00170	0.0521	0.0522	101	101	1	75.0-125			0.0562	20

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Method Blank (MB)

(MB) R4133989-1 10/17/24 11:19

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.000180	0.00200
Barium	0.000837	J	0.000381	0.00200
Cadmium	U		0.000150	0.00100
Calcium	0.208	J	0.0936	1.00
Chromium	U		0.00124	0.00200
Cobalt	U		0.0000596	0.00200
Iron	0.0499	J	0.0281	0.100
Lead	U		0.000849	0.00200
Manganese	0.00140	J	0.000704	0.00500
Nickel	0.00133	J	0.000816	0.00200
Potassium	0.141	J	0.108	2.00
Selenium	U		0.000300	0.00200
Sodium	U		0.376	2.00
Uranium	U		0.0000789	0.00100
Vanadium	U		0.000664	0.00500

Laboratory Control Sample (LCS)

(LCS) R4133989-2 10/17/24 11:22

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	0.0500	0.0486	97.3	80.0-120	
Barium	0.0500	0.0469	93.7	80.0-120	
Cadmium	0.0500	0.0497	99.5	80.0-120	
Calcium	5.00	4.96	99.1	80.0-120	
Chromium	0.0500	0.0499	99.8	80.0-120	
Cobalt	0.0500	0.0501	100	80.0-120	
Iron	1.00	0.951	95.1	80.0-120	
Lead	0.0500	0.0486	97.1	80.0-120	
Manganese	0.0500	0.0496	99.2	80.0-120	
Nickel	0.0500	0.0500	100	80.0-120	
Potassium	5.00	4.93	98.6	80.0-120	
Selenium	0.0500	0.0475	94.9	80.0-120	
Sodium	5.00	5.05	101	80.0-120	
Uranium	0.0500	0.0470	94.0	80.0-120	
Vanadium	0.0500	0.0487	97.3	80.0-120	

L1784264-108 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1784264-108 10/17/24 11:30 • (MS) R4133989-4 10/17/24 11:33 • (MSD) R4133989-5 10/17/24 11:36

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	0.0157	0.0647	0.0642	97.9	97.0	1	75.0-125			0.722	20
Barium	0.0500	0.0293	0.0766	0.0785	94.6	98.4	1	75.0-125			2.49	20
Cadmium	0.0500	U	0.0506	0.0515	101	103	1	75.0-125			1.80	20
Calcium	5.00	507	509	511	45.3	78.6	1	75.0-125	V		0.326	20
Chromium	0.0500	U	0.0497	0.0493	99.4	98.6	1	75.0-125			0.792	20
Cobalt	0.0500	0.00891	0.0579	0.0579	98.0	98.0	1	75.0-125			0.0317	20
Iron	1.00	0.0624	1.03	0.997	96.8	93.4	1	75.0-125			3.27	20
Lead	0.0500	U	0.0479	0.0476	95.9	95.3	1	75.0-125			0.626	20
Manganese	0.0500	3.99	4.05	4.06	123	125	1	75.0-125			0.0304	20
Nickel	0.0500	0.0279	0.0758	0.0761	95.8	96.5	1	75.0-125			0.443	20
Potassium	5.00	3.42	8.92	9.56	110	123	1	75.0-125			6.97	20
Selenium	0.0500	U	0.0520	0.0508	104	102	1	75.0-125			2.34	20
Sodium	5.00	1020	1030	1030	281	266	1	75.0-125	E V	E V	0.0760	20
Uranium	0.0500	0.00496	0.0538	0.0534	97.7	96.8	1	75.0-125			0.816	20
Vanadium	0.0500	0.00502	0.0557	0.0552	101	100	1	75.0-125			1.02	20

Method Blank (MB)

(MB) R4134849-1 10/18/24 22:54

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.000180	0.00200
Barium	U		0.000381	0.00200
Cadmium	U		0.000150	0.00100
Calcium	U		0.0936	1.00
Chromium	0.00135	J	0.00124	0.00200
Cobalt	U		0.0000596	0.00200
Iron	U		0.0281	0.100
Lead	U		0.000849	0.00200
Manganese	U		0.000704	0.00500
Nickel	U		0.000816	0.00200
Potassium	U		0.108	2.00
Selenium	U		0.000300	0.00200
Sodium	U		0.376	2.00
Uranium	U		0.0000789	0.00100
Vanadium	U		0.000664	0.00500

Laboratory Control Sample (LCS)

(LCS) R4134849-2 10/18/24 22:57

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	0.0500	0.0517	103	80.0-120	
Barium	0.0500	0.0472	94.4	80.0-120	
Cadmium	0.0500	0.0527	105	80.0-120	
Calcium	5.00	5.17	103	80.0-120	
Chromium	0.0500	0.0523	105	80.0-120	
Cobalt	0.0500	0.0532	106	80.0-120	
Iron	1.00	0.974	97.4	80.0-120	
Lead	0.0500	0.0501	100	80.0-120	
Manganese	0.0500	0.0519	104	80.0-120	
Nickel	0.0500	0.0534	107	80.0-120	
Potassium	5.00	4.55	90.9	80.0-120	
Selenium	0.0500	0.0485	97.1	80.0-120	
Sodium	5.00	5.17	103	80.0-120	
Uranium	0.0500	0.0544	109	80.0-120	
Vanadium	0.0500	0.0519	104	80.0-120	

L1785310-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1785310-06 10/18/24 23:01 • (MS) R4134849-4 10/18/24 23:07 • (MSD) R4134849-5 10/18/24 23:11

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	0.000248	0.0514	0.0513	102	102	1	75.0-125			0.0482	20
Barium	0.0500	0.0722	0.121	0.118	98.1	91.0	1	75.0-125			2.97	20
Cadmium	0.0500	U	0.0536	0.0523	107	105	1	75.0-125			2.54	20
Calcium	5.00	70.2	73.5	74.8	66.3	90.9	1	75.0-125	V		1.66	20
Chromium	0.0500	U	0.0512	0.0515	102	103	1	75.0-125			0.559	20
Cobalt	0.0500	0.000875	0.0521	0.0517	102	102	1	75.0-125			0.850	20
Iron	1.00	0.133	1.07	1.06	93.7	92.3	1	75.0-125			1.37	20
Lead	0.0500	U	0.0508	0.0504	102	101	1	75.0-125			0.714	20
Manganese	0.0500	0.0207	0.0692	0.0700	97.1	98.6	1	75.0-125			1.08	20
Nickel	0.0500	0.00105	0.0520	0.0524	102	103	1	75.0-125			0.674	20
Potassium	5.00	1.34	6.01	6.15	93.6	96.2	1	75.0-125			2.19	20
Selenium	0.0500	U	0.0485	0.0489	96.9	97.8	1	75.0-125			0.966	20
Sodium	5.00	5.14	10.1	10.2	99.2	102	1	75.0-125			1.19	20
Uranium	0.0500	0.000851	0.0553	0.0559	109	110	1	75.0-125			1.24	20
Vanadium	0.0500	U	0.0514	0.0511	103	102	1	75.0-125			0.497	20

Method Blank (MB)

(MB) R4135160-1 10/20/24 17:24

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic,Dissolved	U		0.000120	0.00200
Iron,Dissolved	U		0.0226	0.100
Manganese,Dissolved	U		0.000700	0.00500
Uranium,Dissolved	U		0.000130	0.00100

Laboratory Control Sample (LCS)

(LCS) R4135160-2 10/20/24 17:27

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic,Dissolved	0.0500	0.0485	96.9	80.0-120	
Iron,Dissolved	1.00	0.967	96.7	80.0-120	
Manganese,Dissolved	0.0500	0.0501	100	80.0-120	
Uranium,Dissolved	0.0500	0.0481	96.2	80.0-120	

L1784764-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1784764-03 10/20/24 17:35 • (MS) R4135160-5 10/20/24 17:38 • (MSD) R4135160-6 10/20/24 17:41

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic,Dissolved	0.0500	0.0144	0.0632	0.0633	97.5	97.8	1	75.0-125			0.232	20
Iron,Dissolved	1.00	10.6	11.3	11.4	66.8	73.8	1	75.0-125	V	V	0.617	20
Manganese,Dissolved	0.0500	0.283	0.328	0.329	89.5	91.5	1	75.0-125			0.312	20
Uranium,Dissolved	0.0500	U	0.0508	0.0501	102	100	1	75.0-125			1.31	20

Method Blank (MB)

(MB) R4135106-1 10/20/24 13:45

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Potassium	U		0.0965	2.00

Laboratory Control Sample (LCS)

(LCS) R4135106-2 10/20/24 13:48

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Potassium	5.00	4.75	95.0	80.0-120	

L1784264-136 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1784264-136 10/20/24 13:51 • (MS) R4135106-4 10/20/24 13:58 • (MSD) R4135106-5 10/20/24 14:01

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Potassium	5.00	3.20	7.70	7.74	90.0	90.7	1	75.0-125			0.431	20

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Method Blank (MB)

(MB) R4132947-3 10/07/24 13:22

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*102*			*78.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4132947-1 10/07/24 11:46 • (LCSD) R4132947-2 10/07/24 12:09

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.00	5.50	5.76	110	115	72.0-127			4.62	20
(S) a,a,a-Trifluorotoluene(FID)				*107*	*108*	*78.0-120*				

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Method Blank (MB)

(MB) R4133033-2 10/08/24 09:57

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	0.0618	J	0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*98.6*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R4133033-1 10/08/24 09:12

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.00	5.23	105	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*102*	*78.0-120*	

Method Blank (MB)

(MB) R4132937-2 10/08/24 19:42

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*99.4*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R4132937-1 10/08/24 18:40

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.00	4.57	91.4	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*103*	*78.0-120*	

Received by OCD: 6/12/2025 1:19:15 PM

Method Blank (MB)

(MB) R4133055-2 10/08/24 21:31

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*104*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R4133055-1 10/08/24 20:36

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.00	4.61	92.2	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*108*	*78.0-120*	

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Method Blank (MB)

(MB) R4131358-3 10/09/24 10:34

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*102*			*78.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4131358-1 10/09/24 09:27 • (LCSD) R4131358-2 10/09/24 09:49

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.00	5.17	5.12	103	102	72.0-127			0.972	20
(S) a,a,a-Trifluorotoluene(FID)				*108*	*111*	*78.0-120*				

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Method Blank (MB)

(MB) R4133044-2 10/09/24 10:53

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	0.0685	J	0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*98.2*			*78.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4133044-1 10/09/24 09:39 • (LCSD) R4133044-3 10/09/24 17:39

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.00	5.32	5.18	106	104	72.0-127			2.67	20
(S) a,a,a-Trifluorotoluene(FID)				*110*	*102*	*78.0-120*				

L1784459-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1784459-03 10/09/24 14:12 • (MS) R4133044-4 10/09/24 21:04 • (MSD) R4133044-5 10/09/24 21:27

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.00	0.0513	7.46	7.31	148	145	1	10.0-160			2.03	22
(S) a,a,a-Trifluorotoluene(FID)					*114*	*115*		*78.0-120*				

Method Blank (MB)

(MB) R4133066-2 10/09/24 22:23

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*102*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R4133066-1 10/09/24 21:27

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.00	4.41	88.2	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*106*	*78.0-120*	

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Method Blank (MB)

(MB) R4132965-2 10/10/24 08:20

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*99.4*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R4132965-1 10/10/24 07:12

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.00	4.92	98.4	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*103*	*78.0-120*	

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Method Blank (MB)

(MB) R4131349-3 10/10/24 21:42

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*103*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R4131349-2 10/10/24 20:33

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.00	4.65	93.0	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*105*	*78.0-120*	

L1784689-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1784689-09 10/11/24 03:37 • (MS) R4131349-4 10/11/24 05:53 • (MSD) R4131349-5 10/11/24 06:16

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.00	1.89	6.86	4.64	99.4	55.0	1	10.0-160		J3	38.6	22
(S) a,a,a-Trifluorotoluene(FID)					*104*	*104*		*78.0-120*				

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Method Blank (MB)

(MB) R4132330-2 10/11/24 20:04

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	0.0675	J	0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*86.2*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R4132330-1 10/11/24 18:34

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.00	4.48	89.6	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*90.6*	*78.0-120*	

Released to Imaging: 6/17/2025 4:41:11 PM

Received by OCD: 6/12/2025 1:19:15 PM

Method Blank (MB)

(MB) R4132331-2 10/11/24 20:04

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	0.0675	J	0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*86.2*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R4132331-1 10/11/24 18:34

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.00	4.48	89.6	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*90.6*	*78.0-120*	

Released to Imaging: 6/17/2025 4:41:11 PM

Method Blank (MB)

(MB) R4133626-3 10/16/24 10:42

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*98.8*			*78.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4133626-1 10/16/24 09:36 • (LCSD) R4133626-2 10/16/24 09:58

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.00	4.62	4.41	92.4	88.2	72.0-127			4.65	20
(S) a,a,a-Trifluorotoluene(FID)				*96.7*	*97.1*	*78.0-120*				

Received by OCD: 6/12/2025 1:19:15 PM

Method Blank (MB)

(MB) R4134477-2 10/17/24 10:59

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*99.8*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R4134477-1 10/17/24 10:15

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.00	4.75	95.0	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*97.5*	*78.0-120*	

Released to Imaging: 6/17/2025 4:41:11 PM

Method Blank (MB)

(MB) R4130850-3 10/09/24 08:26

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
2-Hexanone	U		0.000787	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
tert-Butyl alcohol	U		0.00406	0.00500
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100

Method Blank (MB)

(MB) R4130850-3 10/09/24 08:26

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
o-Xylene	U		0.000174	0.00100
m&p-Xylene	U		0.000430	0.00200
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*110*			*80.0-120*
(S) 4-Bromofluorobenzene	*101*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4130850-1 10/09/24 07:23 • (LCSD) R4130850-2 10/09/24 07:44

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.0250	0.0206	0.0255	82.4	102	19.0-160	J	J	21.3	27
Benzene	0.00500	0.00471	0.00486	94.2	97.2	70.0-123			3.13	20
Bromodichloromethane	0.00500	0.00449	0.00466	89.8	93.2	75.0-120			3.72	20
Bromoform	0.00500	0.00386	0.00399	77.2	79.8	68.0-132			3.31	20
Bromomethane	0.00500	0.00380	0.00488	76.0	97.6	10.0-160	J	J	24.9	25
n-Butylbenzene	0.00500	0.00384	0.00424	76.8	84.8	73.0-125			9.90	20
sec-Butylbenzene	0.00500	0.00446	0.00460	89.2	92.0	75.0-125			3.09	20
Carbon disulfide	0.00500	0.00474	0.00511	94.8	102	61.0-128			7.51	20
Carbon tetrachloride	0.00500	0.00461	0.00473	92.2	94.6	68.0-126			2.57	20
Chlorobenzene	0.00500	0.00450	0.00475	90.0	95.0	80.0-121			5.41	20
Chlorodibromomethane	0.00500	0.00444	0.00438	88.8	87.6	77.0-125			1.36	20
Chloroethane	0.00500	0.00571	0.00626	114	125	47.0-150			9.19	20
Chloroform	0.00500	0.00475	0.00506	95.0	101	73.0-120	J		6.32	20
Chloromethane	0.00500	0.00498	0.00530	99.6	106	41.0-142			6.23	20
1,2-Dibromoethane	0.00500	0.00431	0.00464	86.2	92.8	80.0-122			7.37	20
1,1-Dichloroethane	0.00500	0.00490	0.00516	98.0	103	70.0-126			5.17	20
1,2-Dichloroethane	0.00500	0.00486	0.00523	97.2	105	70.0-128			7.33	20
1,1-Dichloroethene	0.00500	0.00447	0.00502	89.4	100	71.0-124			11.6	20
cis-1,2-Dichloroethene	0.00500	0.00453	0.00496	90.6	99.2	73.0-120			9.06	20
trans-1,2-Dichloroethene	0.00500	0.00475	0.00486	95.0	97.2	73.0-120			2.29	20
1,2-Dichloropropane	0.00500	0.00457	0.00484	91.4	96.8	77.0-125			5.74	20
cis-1,3-Dichloropropene	0.00500	0.00456	0.00479	91.2	95.8	80.0-123			4.92	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4130850-1 10/09/24 07:23 • (LCSD) R4130850-2 10/09/24 07:44

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
trans-1,3-Dichloropropene	0.00500	0.00453	0.00457	90.6	91.4	78.0-124			0.879	20
Ethylbenzene	0.00500	0.00436	0.00443	87.2	88.6	79.0-123			1.59	20
Isopropylbenzene	0.00500	0.00426	0.00438	85.2	87.6	76.0-127			2.78	20
p-Isopropyltoluene	0.00500	0.00433	0.00456	86.6	91.2	76.0-125			5.17	20
2-Butanone (MEK)	0.0250	0.0202	0.0233	80.8	93.2	44.0-160			14.3	20
2-Hexanone	0.0250	0.0205	0.0223	82.0	89.2	67.0-149			8.41	20
Methylene Chloride	0.00500	0.00463	0.00503	92.6	101	67.0-120	J		8.28	20
4-Methyl-2-pentanone (MIBK)	0.0250	0.0240	0.0254	96.0	102	68.0-142			5.67	20
Methyl tert-butyl ether	0.00500	0.00476	0.00483	95.2	96.6	68.0-125			1.46	20
Naphthalene	0.00500	0.00349	0.00388	69.8	77.6	54.0-135	J	J	10.6	20
n-Propylbenzene	0.00500	0.00450	0.00472	90.0	94.4	77.0-124			4.77	20
Styrene	0.00500	0.00422	0.00440	84.4	88.0	73.0-130			4.18	20
tert-Butyl alcohol	0.0250	0.0219	0.0300	87.6	120	27.0-160		J3	31.2	30
1,1,1,2-Tetrachloroethane	0.00500	0.00427	0.00429	85.4	85.8	75.0-125			0.467	20
1,1,2,2-Tetrachloroethane	0.00500	0.00446	0.00441	89.2	88.2	65.0-130			1.13	20
Tetrachloroethene	0.00500	0.00456	0.00461	91.2	92.2	72.0-132			1.09	20
Toluene	0.00500	0.00448	0.00474	89.6	94.8	79.0-120			5.64	20
1,1,1-Trichloroethane	0.00500	0.00438	0.00481	87.6	96.2	73.0-124			9.36	20
1,1,2-Trichloroethane	0.00500	0.00436	0.00453	87.2	90.6	80.0-120			3.82	20
Trichloroethene	0.00500	0.00460	0.00494	92.0	98.8	78.0-124			7.13	20
1,2,4-Trimethylbenzene	0.00500	0.00437	0.00443	87.4	88.6	76.0-121			1.36	20
1,3,5-Trimethylbenzene	0.00500	0.00470	0.00500	94.0	100	76.0-122			6.19	20
Vinyl chloride	0.00500	0.00565	0.00611	113	122	67.0-131			7.82	20
o-Xylene	0.00500	0.00411	0.00434	82.2	86.8	80.0-122			5.44	20
m&p-Xylene	0.0100	0.00871	0.00935	87.1	93.5	80.0-122			7.09	20
Xylenes, Total	0.0150	0.0128	0.0137	85.3	91.3	79.0-123			6.79	20
(S) Toluene-d8				*108*	*107*	*80.0-120*				
(S) 4-Bromofluorobenzene				*99.2*	*100*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*109*	*111*	*70.0-130*				

Method Blank (MB)

(MB) R4132672-3 10/09/24 15:46

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
2-Hexanone	U		0.000787	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
tert-Butyl alcohol	U		0.00406	0.00500
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100

Method Blank (MB)

(MB) R4132672-3 10/09/24 15:46

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
o-Xylene	U		0.000174	0.00100
m&p-Xylene	U		0.000430	0.00200
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*120*			*80.0-120*
(S) 4-Bromofluorobenzene	*106*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4132672-1 10/09/24 14:39 • (LCSD) R4132672-2 10/09/24 15:01

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.0250	0.0253	0.0256	101	102	19.0-160	J	J	1.18	27
Benzene	0.00500	0.00492	0.00504	98.4	101	70.0-123			2.41	20
Bromodichloromethane	0.00500	0.00473	0.00472	94.6	94.4	75.0-120			0.212	20
Bromoform	0.00500	0.00506	0.00488	101	97.6	68.0-132			3.62	20
Bromomethane	0.00500	0.00394	0.00417	78.8	83.4	10.0-160	J	J	5.67	25
n-Butylbenzene	0.00500	0.00487	0.00517	97.4	103	73.0-125			5.98	20
sec-Butylbenzene	0.00500	0.00567	0.00597	113	119	75.0-125			5.15	20
Carbon disulfide	0.00500	0.00506	0.00522	101	104	61.0-128			3.11	20
Carbon tetrachloride	0.00500	0.00495	0.00507	99.0	101	68.0-126			2.40	20
Chlorobenzene	0.00500	0.00555	0.00541	111	108	80.0-121			2.55	20
Chlorodibromomethane	0.00500	0.00525	0.00524	105	105	77.0-125			0.191	20
Chloroethane	0.00500	0.00503	0.00489	101	97.8	47.0-150		J	2.82	20
Chloroform	0.00500	0.00497	0.00511	99.4	102	73.0-120	J		2.78	20
Chloromethane	0.00500	0.00441	0.00442	88.2	88.4	41.0-142			0.227	20
1,2-Dibromoethane	0.00500	0.00543	0.00537	109	107	80.0-122			1.11	20
1,1-Dichloroethane	0.00500	0.00492	0.00503	98.4	101	70.0-126			2.21	20
1,2-Dichloroethane	0.00500	0.00491	0.00485	98.2	97.0	70.0-128			1.23	20
1,1-Dichloroethene	0.00500	0.00534	0.00591	107	118	71.0-124			10.1	20
cis-1,2-Dichloroethene	0.00500	0.00492	0.00508	98.4	102	73.0-120			3.20	20
trans-1,2-Dichloroethene	0.00500	0.00520	0.00538	104	108	73.0-120			3.40	20
1,2-Dichloropropane	0.00500	0.00462	0.00450	92.4	90.0	77.0-125			2.63	20
cis-1,3-Dichloropropene	0.00500	0.00446	0.00455	89.2	91.0	80.0-123			2.00	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4132672-1 10/09/24 14:39 • (LCSD) R4132672-2 10/09/24 15:01

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
trans-1,3-Dichloropropene	0.00500	0.00525	0.00521	105	104	78.0-124			0.765	20
Ethylbenzene	0.00500	0.00554	0.00559	111	112	79.0-123			0.898	20
Isopropylbenzene	0.00500	0.00535	0.00551	107	110	76.0-127			2.95	20
p-Isopropyltoluene	0.00500	0.00545	0.00577	109	115	76.0-125			5.70	20
2-Butanone (MEK)	0.0250	0.0301	0.0311	120	124	44.0-160			3.27	20
2-Hexanone	0.0250	0.0262	0.0267	105	107	67.0-149			1.89	20
Methylene Chloride	0.00500	0.00523	0.00502	105	100	67.0-120			4.10	20
4-Methyl-2-pentanone (MIBK)	0.0250	0.0294	0.0300	118	120	68.0-142			2.02	20
Methyl tert-butyl ether	0.00500	0.00514	0.00496	103	99.2	68.0-125			3.56	20
Naphthalene	0.00500	0.00494	0.00502	98.8	100	54.0-135	J		1.61	20
n-Propylbenzene	0.00500	0.00555	0.00593	111	119	77.0-124			6.62	20
Styrene	0.00500	0.00458	0.00460	91.6	92.0	73.0-130			0.436	20
tert-Butyl alcohol	0.0250	0.0238	0.0253	95.2	101	27.0-160			6.11	30
1,1,1,2-Tetrachloroethane	0.00500	0.00539	0.00536	108	107	75.0-125			0.558	20
1,1,2,2-Tetrachloroethane	0.00500	0.00562	0.00570	112	114	65.0-130			1.41	20
Tetrachloroethene	0.00500	0.00582	0.00598	116	120	72.0-132			2.71	20
Toluene	0.00500	0.00544	0.00559	109	112	79.0-120			2.72	20
1,1,1-Trichloroethane	0.00500	0.00501	0.00508	100	102	73.0-124			1.39	20
1,1,2-Trichloroethane	0.00500	0.00567	0.00548	113	110	80.0-120			3.41	20
Trichloroethene	0.00500	0.00512	0.00529	102	106	78.0-124			3.27	20
1,2,4-Trimethylbenzene	0.00500	0.00574	0.00588	115	118	76.0-121			2.41	20
1,3,5-Trimethylbenzene	0.00500	0.00576	0.00611	115	122	76.0-122			5.90	20
Vinyl chloride	0.00500	0.00475	0.00482	95.0	96.4	67.0-131			1.46	20
o-Xylene	0.00500	0.00550	0.00534	110	107	80.0-122			2.95	20
m&p-Xylene	0.0100	0.0112	0.0115	112	115	80.0-122			2.64	20
Xylenes, Total	0.0150	0.0167	0.0168	111	112	79.0-123			0.597	20
(S) Toluene-d8				*114*	*114*	*80.0-120*				
(S) 4-Bromofluorobenzene				*101*	*102*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*101*	*98.3*	*70.0-130*				

Method Blank (MB)

(MB) R4130900-3 10/09/24 18:35

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
2-Hexanone	U		0.000787	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
tert-Butyl alcohol	U		0.00406	0.00500
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100

Method Blank (MB)

(MB) R4130900-3 10/09/24 18:35

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
o-Xylene	U		0.000174	0.00100
m&p-Xylene	U		0.000430	0.00200
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*106*			*80.0-120*
(S) 4-Bromofluorobenzene	*90.1*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*89.8*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4130900-1 10/09/24 17:35 • (LCSD) R4130900-2 10/09/24 17:55

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.0250	0.0261	0.0264	104	106	19.0-160	J	J	1.14	27
Benzene	0.00500	0.00522	0.00510	104	102	70.0-123			2.33	20
Bromodichloromethane	0.00500	0.00513	0.00494	103	98.8	75.0-120			3.77	20
Bromoform	0.00500	0.00451	0.00450	90.2	90.0	68.0-132			0.222	20
Bromomethane	0.00500	0.00341	0.00318	68.2	63.6	10.0-160	J	J	6.98	25
n-Butylbenzene	0.00500	0.00409	0.00397	81.8	79.4	73.0-125			2.98	20
sec-Butylbenzene	0.00500	0.00446	0.00434	89.2	86.8	75.0-125			2.73	20
Carbon disulfide	0.00500	0.00527	0.00525	105	105	61.0-128			0.380	20
Carbon tetrachloride	0.00500	0.00500	0.00452	100	90.4	68.0-126			10.1	20
Chlorobenzene	0.00500	0.00508	0.00520	102	104	80.0-121			2.33	20
Chlorodibromomethane	0.00500	0.00509	0.00495	102	99.0	77.0-125			2.79	20
Chloroethane	0.00500	0.00455	0.00419	91.0	83.8	47.0-150	J	J	8.24	20
Chloroform	0.00500	0.00481	0.00503	96.2	101	73.0-120	J		4.47	20
Chloromethane	0.00500	0.00521	0.00498	104	99.6	41.0-142			4.51	20
1,2-Dibromoethane	0.00500	0.00493	0.00514	98.6	103	80.0-122			4.17	20
1,1-Dichloroethane	0.00500	0.00504	0.00502	101	100	70.0-126			0.398	20
1,2-Dichloroethane	0.00500	0.00466	0.00470	93.2	94.0	70.0-128			0.855	20
1,1-Dichloroethene	0.00500	0.00481	0.00493	96.2	98.6	71.0-124			2.46	20
cis-1,2-Dichloroethene	0.00500	0.00535	0.00486	107	97.2	73.0-120			9.60	20
trans-1,2-Dichloroethene	0.00500	0.00519	0.00495	104	99.0	73.0-120			4.73	20
1,2-Dichloropropane	0.00500	0.00473	0.00488	94.6	97.6	77.0-125			3.12	20
cis-1,3-Dichloropropene	0.00500	0.00453	0.00441	90.6	88.2	80.0-123			2.68	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4130900-1 10/09/24 17:35 • (LCSD) R4130900-2 10/09/24 17:55

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
trans-1,3-Dichloropropene	0.00500	0.00425	0.00443	85.0	88.6	78.0-124			4.15	20
Ethylbenzene	0.00500	0.00449	0.00449	89.8	89.8	79.0-123			0.000	20
Isopropylbenzene	0.00500	0.00417	0.00419	83.4	83.8	76.0-127			0.478	20
p-Isopropyltoluene	0.00500	0.00447	0.00437	89.4	87.4	76.0-125			2.26	20
2-Butanone (MEK)	0.0250	0.0286	0.0282	114	113	44.0-160			1.41	20
2-Hexanone	0.0250	0.0199	0.0202	79.6	80.8	67.0-149			1.50	20
Methylene Chloride	0.00500	0.00515	0.00522	103	104	67.0-120			1.35	20
4-Methyl-2-pentanone (MIBK)	0.0250	0.0266	0.0257	106	103	68.0-142			3.44	20
Methyl tert-butyl ether	0.00500	0.00457	0.00461	91.4	92.2	68.0-125			0.871	20
Naphthalene	0.00500	0.00272	0.00300	54.4	60.0	54.0-135	J	J	9.79	20
n-Propylbenzene	0.00500	0.00428	0.00446	85.6	89.2	77.0-124			4.12	20
Styrene	0.00500	0.00387	0.00380	77.4	76.0	73.0-130			1.83	20
tert-Butyl alcohol	0.0250	0.0198	0.0196	79.2	78.4	27.0-160			1.02	30
1,1,1,2-Tetrachloroethane	0.00500	0.00507	0.00517	101	103	75.0-125			1.95	20
1,1,2,2-Tetrachloroethane	0.00500	0.00581	0.00572	116	114	65.0-130			1.56	20
Tetrachloroethene	0.00500	0.00530	0.00511	106	102	72.0-132			3.65	20
Toluene	0.00500	0.00498	0.00492	99.6	98.4	79.0-120			1.21	20
1,1,1-Trichloroethane	0.00500	0.00482	0.00470	96.4	94.0	73.0-124			2.52	20
1,1,2-Trichloroethane	0.00500	0.00538	0.00542	108	108	80.0-120			0.741	20
Trichloroethene	0.00500	0.00496	0.00497	99.2	99.4	78.0-124			0.201	20
1,2,4-Trimethylbenzene	0.00500	0.00419	0.00424	83.8	84.8	76.0-121			1.19	20
1,3,5-Trimethylbenzene	0.00500	0.00443	0.00446	88.6	89.2	76.0-122			0.675	20
Vinyl chloride	0.00500	0.00500	0.00468	100	93.6	67.0-131			6.61	20
o-Xylene	0.00500	0.00437	0.00446	87.4	89.2	80.0-122			2.04	20
m&p-Xylene	0.0100	0.00927	0.00925	92.7	92.5	80.0-122			0.216	20
Xylenes, Total	0.0150	0.0136	0.0137	90.7	91.3	79.0-123			0.733	20
(S) Toluene-d8				*93.6*	*95.3*	*80.0-120*				
(S) 4-Bromofluorobenzene				*86.7*	*84.7*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*86.5*	*85.4*	*70.0-130*				

Method Blank (MB)

(MB) R4130853-2 10/09/24 19:17

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
2-Hexanone	U		0.000787	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
tert-Butyl alcohol	U		0.00406	0.00500
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100

Method Blank (MB)

(MB) R4130853-2 10/09/24 19:17

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
o-Xylene	U		0.000174	0.00100
m&p-Xylene	U		0.000430	0.00200
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*114*			*80.0-120*
(S) 4-Bromofluorobenzene	*107*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4130853-1 10/09/24 18:34

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.0250	0.0282	113	19.0-160	J
Benzene	0.00500	0.00505	101	70.0-123	
Bromodichloromethane	0.00500	0.00518	104	75.0-120	
Bromoform	0.00500	0.00447	89.4	68.0-132	
Bromomethane	0.00500	0.00261	52.2	10.0-160	J
n-Butylbenzene	0.00500	0.00424	84.8	73.0-125	
sec-Butylbenzene	0.00500	0.00478	95.6	75.0-125	
Carbon disulfide	0.00500	0.00510	102	61.0-128	
Carbon tetrachloride	0.00500	0.00495	99.0	68.0-126	
Chlorobenzene	0.00500	0.00485	97.0	80.0-121	
Chlorodibromomethane	0.00500	0.00476	95.2	77.0-125	
Chloroethane	0.00500	0.00617	123	47.0-150	
Chloroform	0.00500	0.00511	102	73.0-120	
Chloromethane	0.00500	0.00511	102	41.0-142	
1,2-Dibromoethane	0.00500	0.00506	101	80.0-122	
1,1-Dichloroethane	0.00500	0.00554	111	70.0-126	
1,2-Dichloroethane	0.00500	0.00576	115	70.0-128	
1,1-Dichloroethene	0.00500	0.00521	104	71.0-124	
cis-1,2-Dichloroethene	0.00500	0.00535	107	73.0-120	
trans-1,2-Dichloroethene	0.00500	0.00490	98.0	73.0-120	
1,2-Dichloropropane	0.00500	0.00528	106	77.0-125	
cis-1,3-Dichloropropene	0.00500	0.00522	104	80.0-123	

Laboratory Control Sample (LCS)

(LCS) R4130853-1 10/09/24 18:34

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
trans-1,3-Dichloropropene	0.00500	0.00529	106	78.0-124	
Ethylbenzene	0.00500	0.00477	95.4	79.0-123	
Isopropylbenzene	0.00500	0.00466	93.2	76.0-127	
p-Isopropyltoluene	0.00500	0.00457	91.4	76.0-125	
2-Butanone (MEK)	0.0250	0.0292	117	44.0-160	
2-Hexanone	0.0250	0.0250	100	67.0-149	
Methylene Chloride	0.00500	0.00523	105	67.0-120	
4-Methyl-2-pentanone (MIBK)	0.0250	0.0276	110	68.0-142	
Methyl tert-butyl ether	0.00500	0.00574	115	68.0-125	
Naphthalene	0.00500	0.00465	93.0	54.0-135	J
n-Propylbenzene	0.00500	0.00482	96.4	77.0-124	
Styrene	0.00500	0.00485	97.0	73.0-130	
tert-Butyl alcohol	0.0250	0.0357	143	27.0-160	
1,1,1,2-Tetrachloroethane	0.00500	0.00500	100	75.0-125	
1,1,2,2-Tetrachloroethane	0.00500	0.00454	90.8	65.0-130	
Tetrachloroethene	0.00500	0.00491	98.2	72.0-132	
Toluene	0.00500	0.00487	97.4	79.0-120	
1,1,1-Trichloroethane	0.00500	0.00513	103	73.0-124	
1,1,2-Trichloroethane	0.00500	0.00507	101	80.0-120	
Trichloroethene	0.00500	0.00524	105	78.0-124	
1,2,4-Trimethylbenzene	0.00500	0.00480	96.0	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00494	98.8	76.0-122	
Vinyl chloride	0.00500	0.00587	117	67.0-131	
o-Xylene	0.00500	0.00459	91.8	80.0-122	
m&p-Xylene	0.0100	0.00955	95.5	80.0-122	
Xylenes, Total	0.0150	0.0141	94.0	79.0-123	
(S) Toluene-d8			*107*	*80.0-120*	
(S) 4-Bromofluorobenzene			*104*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*112*	*70.0-130*	

Method Blank (MB)

(MB) R4131104-4 10/09/24 21:59

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
2-Hexanone	U		0.000787	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
tert-Butyl alcohol	U		0.00406	0.00500
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100

Method Blank (MB)

(MB) R4131104-4 10/09/24 21:59

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
o-Xylene	U		0.000174	0.00100
m&p-Xylene	U		0.000430	0.00200
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*95.7*			*80.0-120*
(S) 4-Bromofluorobenzene	*96.6*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*116*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4131104-1 10/09/24 20:31

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.0250	0.0373	149	19.0-160	J
Benzene	0.00500	0.00481	96.2	70.0-123	
Bromodichloromethane	0.00500	0.00538	108	75.0-120	
Bromoform	0.00500	0.00545	109	68.0-132	
Bromomethane	0.00500	0.00646	129	10.0-160	
n-Butylbenzene	0.00500	0.00464	92.8	73.0-125	
sec-Butylbenzene	0.00500	0.00460	92.0	75.0-125	
Carbon disulfide	0.00500	0.00514	103	61.0-128	
Carbon tetrachloride	0.00500	0.00633	127	68.0-126	J4
Chlorobenzene	0.00500	0.00463	92.6	80.0-121	
Chlorodibromomethane	0.00500	0.00484	96.8	77.0-125	
Chloroethane	0.00500	0.00556	111	47.0-150	
Chloroform	0.00500	0.00548	110	73.0-120	
Chloromethane	0.00500	0.00499	99.8	41.0-142	
1,2-Dibromoethane	0.00500	0.00484	96.8	80.0-122	
1,1-Dichloroethane	0.00500	0.00575	115	70.0-126	
1,2-Dichloroethane	0.00500	0.00623	125	70.0-128	
1,1-Dichloroethene	0.00500	0.00529	106	71.0-124	
cis-1,2-Dichloroethene	0.00500	0.00513	103	73.0-120	
trans-1,2-Dichloroethene	0.00500	0.00515	103	73.0-120	
1,2-Dichloropropane	0.00500	0.00502	100	77.0-125	
cis-1,3-Dichloropropene	0.00500	0.00500	100	80.0-123	

Laboratory Control Sample (LCS)

(LCS) R4131104-1 10/09/24 20:31

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
trans-1,3-Dichloropropene	0.00500	0.00512	102	78.0-124	
Ethylbenzene	0.00500	0.00466	93.2	79.0-123	
Isopropylbenzene	0.00500	0.00473	94.6	76.0-127	
p-Isopropyltoluene	0.00500	0.00442	88.4	76.0-125	
2-Butanone (MEK)	0.0250	0.0269	108	44.0-160	
2-Hexanone	0.0250	0.0213	85.2	67.0-149	
Methylene Chloride	0.00500	0.00556	111	67.0-120	
4-Methyl-2-pentanone (MIBK)	0.0250	0.0264	106	68.0-142	
Methyl tert-butyl ether	0.00500	0.00541	108	68.0-125	
Naphthalene	0.00500	0.00552	110	54.0-135	
n-Propylbenzene	0.00500	0.00422	84.4	77.0-124	
Styrene	0.00500	0.00420	84.0	73.0-130	
tert-Butyl alcohol	0.0250	0.0375	150	27.0-160	
1,1,1,2-Tetrachloroethane	0.00500	0.00493	98.6	75.0-125	
1,1,2,2-Tetrachloroethane	0.00500	0.00433	86.6	65.0-130	
Tetrachloroethene	0.00500	0.00485	97.0	72.0-132	
Toluene	0.00500	0.00456	91.2	79.0-120	
1,1,1-Trichloroethane	0.00500	0.00584	117	73.0-124	
1,1,2-Trichloroethane	0.00500	0.00459	91.8	80.0-120	
Trichloroethene	0.00500	0.00540	108	78.0-124	
1,2,4-Trimethylbenzene	0.00500	0.00459	91.8	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00474	94.8	76.0-122	
Vinyl chloride	0.00500	0.00534	107	67.0-131	
o-Xylene	0.00500	0.00462	92.4	80.0-122	
m&p-Xylene	0.0100	0.00914	91.4	80.0-122	
Xylenes, Total	0.0150	0.0138	92.0	79.0-123	
(S) Toluene-d8			*93.4*	*80.0-120*	
(S) 4-Bromofluorobenzene			*97.6*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*114*	*70.0-130*	

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4131104-1 10/09/24 20:31 • (LCSD) R4131104-2 10/09/24 20:53

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.0250	0.0373	0.0386	149	154	19.0-160	J	J	3.43	27
Benzene	0.00500	0.00481	0.00533	96.2	107	70.0-123			10.3	20
Bromodichloromethane	0.00500	0.00538	0.00580	108	116	75.0-120			7.51	20
Bromoform	0.00500	0.00545	0.00523	109	105	68.0-132			4.12	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4131104-1 10/09/24 20:31 • (LCSD) R4131104-2 10/09/24 20:53

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromomethane	0.00500	0.00646	0.00625	129	125	10.0-160			3.30	25
n-Butylbenzene	0.00500	0.00464	0.00493	92.8	98.6	73.0-125			6.06	20
sec-Butylbenzene	0.00500	0.00460	0.00498	92.0	99.6	75.0-125			7.93	20
Carbon disulfide	0.00500	0.00514	0.00548	103	110	61.0-128			6.40	20
Carbon tetrachloride	0.00500	0.00633	0.00673	127	135	68.0-126	J4	J4	6.13	20
Chlorobenzene	0.00500	0.00463	0.00510	92.6	102	80.0-121			9.66	20
Chlorodibromomethane	0.00500	0.00484	0.00499	96.8	99.8	77.0-125			3.05	20
Chloroethane	0.00500	0.00556	0.00564	111	113	47.0-150			1.43	20
Chloroform	0.00500	0.00548	0.00575	110	115	73.0-120			4.81	20
Chloromethane	0.00500	0.00499	0.00505	99.8	101	41.0-142			1.20	20
1,2-Dibromoethane	0.00500	0.00484	0.00456	96.8	91.2	80.0-122			5.96	20
1,1-Dichloroethane	0.00500	0.00575	0.00579	115	116	70.0-126			0.693	20
1,2-Dichloroethane	0.00500	0.00623	0.00631	125	126	70.0-128			1.28	20
1,1-Dichloroethene	0.00500	0.00529	0.00553	106	111	71.0-124			4.44	20
cis-1,2-Dichloroethene	0.00500	0.00513	0.00546	103	109	73.0-120			6.23	20
trans-1,2-Dichloroethene	0.00500	0.00515	0.00559	103	112	73.0-120			8.19	20
1,2-Dichloropropane	0.00500	0.00502	0.00540	100	108	77.0-125			7.29	20
cis-1,3-Dichloropropene	0.00500	0.00500	0.00534	100	107	80.0-123			6.58	20
trans-1,3-Dichloropropene	0.00500	0.00512	0.00523	102	105	78.0-124			2.13	20
Ethylbenzene	0.00500	0.00466	0.00506	93.2	101	79.0-123			8.23	20
Isopropylbenzene	0.00500	0.00473	0.00513	94.6	103	76.0-127			8.11	20
p-Isopropyltoluene	0.00500	0.00442	0.00471	88.4	94.2	76.0-125			6.35	20
2-Butanone (MEK)	0.0250	0.0269	0.0294	108	118	44.0-160			8.88	20
2-Hexanone	0.0250	0.0213	0.0237	85.2	94.8	67.0-149			10.7	20
Methylene Chloride	0.00500	0.00556	0.00612	111	122	67.0-120		J4	9.59	20
4-Methyl-2-pentanone (MIBK)	0.0250	0.0264	0.0276	106	110	68.0-142			4.44	20
Methyl tert-butyl ether	0.00500	0.00541	0.00563	108	113	68.0-125			3.99	20
Naphthalene	0.00500	0.00552	0.00555	110	111	54.0-135			0.542	20
n-Propylbenzene	0.00500	0.00422	0.00468	84.4	93.6	77.0-124			10.3	20
Styrene	0.00500	0.00420	0.00465	84.0	93.0	73.0-130			10.2	20
tert-Butyl alcohol	0.0250	0.0375	0.0384	150	154	27.0-160			2.37	30
1,1,1,2-Tetrachloroethane	0.00500	0.00493	0.00516	98.6	103	75.0-125			4.56	20
1,1,2,2-Tetrachloroethane	0.00500	0.00433	0.00448	86.6	89.6	65.0-130			3.41	20
Tetrachloroethene	0.00500	0.00485	0.00498	97.0	99.6	72.0-132			2.64	20
Toluene	0.00500	0.00456	0.00462	91.2	92.4	79.0-120			1.31	20
1,1,1-Trichloroethane	0.00500	0.00584	0.00650	117	130	73.0-124		J4	10.7	20
1,1,2-Trichloroethane	0.00500	0.00459	0.00468	91.8	93.6	80.0-120			1.94	20
Trichloroethene	0.00500	0.00540	0.00589	108	118	78.0-124			8.68	20
1,2,4-Trimethylbenzene	0.00500	0.00459	0.00511	91.8	102	76.0-121			10.7	20
1,3,5-Trimethylbenzene	0.00500	0.00474	0.00497	94.8	99.4	76.0-122			4.74	20

Received by OCD: 6/12/2025 1:19:15 PM

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4131104-1 10/09/24 20:31 • (LCSD) R4131104-2 10/09/24 20:53

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Vinyl chloride	0.00500	0.00534	0.00564	107	113	67.0-131			5.46	20
o-Xylene	0.00500	0.00462	0.00473	92.4	94.6	80.0-122			2.35	20
m&p-Xylene	0.0100	0.00914	0.00967	91.4	96.7	80.0-122			5.64	20
Xylenes, Total	0.0150	0.0138	0.0144	92.0	96.0	79.0-123			4.26	20
(S) Toluene-d8				*93.4*	*92.8*	*80.0-120*				
(S) 4-Bromofluorobenzene				*97.6*	*98.9*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*114*	*116*	*70.0-130*				

Released to Imaging: 6/17/2025 4:41:11 PM

Method Blank (MB)

(MB) R4133356-3 10/10/24 03:42

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
2-Hexanone	U		0.000787	0.0100
Methylene Chloride	0.000485	J	0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
tert-Butyl alcohol	U		0.00406	0.00500
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100

Method Blank (MB)

(MB) R4133356-3 10/10/24 03:42

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
o-Xylene	U		0.000174	0.00100
m&p-Xylene	U		0.000430	0.00200
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*124*	J1		*80.0-120*
(S) 4-Bromofluorobenzene	*104*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*97.5*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4133356-1 10/10/24 02:36 • (LCSD) R4133356-2 10/10/24 02:58

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.0250	0.0229	0.0221	91.6	88.4	19.0-160	J	J	3.56	27
Benzene	0.00500	0.00421	0.00435	84.2	87.0	70.0-123			3.27	20
Bromodichloromethane	0.00500	0.00431	0.00430	86.2	86.0	75.0-120			0.232	20
Bromoform	0.00500	0.00475	0.00492	95.0	98.4	68.0-132			3.52	20
Bromomethane	0.00500	0.00167	0.00164	33.4	32.8	10.0-160	J	J	1.81	25
n-Butylbenzene	0.00500	0.00451	0.00459	90.2	91.8	73.0-125			1.76	20
sec-Butylbenzene	0.00500	0.00507	0.00517	101	103	75.0-125			1.95	20
Carbon disulfide	0.00500	0.00438	0.00447	87.6	89.4	61.0-128			2.03	20
Carbon tetrachloride	0.00500	0.00441	0.00442	88.2	88.4	68.0-126			0.227	20
Chlorobenzene	0.00500	0.00507	0.00515	101	103	80.0-121			1.57	20
Chlorodibromomethane	0.00500	0.00493	0.00486	98.6	97.2	77.0-125			1.43	20
Chloroethane	0.00500	0.00384	0.00374	76.8	74.8	47.0-150	J	J	2.64	20
Chloroform	0.00500	0.00439	0.00455	87.8	91.0	73.0-120	J	J	3.58	20
Chloromethane	0.00500	0.00334	0.00339	66.8	67.8	41.0-142			1.49	20
1,2-Dibromoethane	0.00500	0.00502	0.00501	100	100	80.0-122			0.199	20
1,1-Dichloroethane	0.00500	0.00439	0.00446	87.8	89.2	70.0-126			1.58	20
1,2-Dichloroethane	0.00500	0.00457	0.00451	91.4	90.2	70.0-128			1.32	20
1,1-Dichloroethene	0.00500	0.00458	0.00472	91.6	94.4	71.0-124			3.01	20
cis-1,2-Dichloroethene	0.00500	0.00445	0.00467	89.0	93.4	73.0-120			4.82	20
trans-1,2-Dichloroethene	0.00500	0.00456	0.00466	91.2	93.2	73.0-120			2.17	20
1,2-Dichloropropane	0.00500	0.00419	0.00411	83.8	82.2	77.0-125			1.93	20
cis-1,3-Dichloropropene	0.00500	0.00423	0.00415	84.6	83.0	80.0-123			1.91	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4133356-1 10/10/24 02:36 • (LCSD) R4133356-2 10/10/24 02:58

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
trans-1,3-Dichloropropene	0.00500	0.00500	0.00485	100	97.0	78.0-124			3.05	20
Ethylbenzene	0.00500	0.00491	0.00488	98.2	97.6	79.0-123			0.613	20
Isopropylbenzene	0.00500	0.00481	0.00498	96.2	99.6	76.0-127			3.47	20
p-Isopropyltoluene	0.00500	0.00516	0.00517	103	103	76.0-125			0.194	20
2-Butanone (MEK)	0.0250	0.0266	0.0264	106	106	44.0-160			0.755	20
2-Hexanone	0.0250	0.0243	0.0240	97.2	96.0	67.0-149			1.24	20
Methylene Chloride	0.00500	0.00475	0.00470	95.0	94.0	67.0-120	J	J	1.06	20
4-Methyl-2-pentanone (MIBK)	0.0250	0.0273	0.0268	109	107	68.0-142			1.85	20
Methyl tert-butyl ether	0.00500	0.00451	0.00446	90.2	89.2	68.0-125			1.11	20
Naphthalene	0.00500	0.00425	0.00418	85.0	83.6	54.0-135	J	J	1.66	20
n-Propylbenzene	0.00500	0.00499	0.00515	99.8	103	77.0-124			3.16	20
Styrene	0.00500	0.00420	0.00414	84.0	82.8	73.0-130			1.44	20
tert-Butyl alcohol	0.0250	0.0206	0.0195	82.4	78.0	27.0-160			5.49	30
1,1,1,2-Tetrachloroethane	0.00500	0.00505	0.00500	101	100	75.0-125			0.995	20
1,1,2,2-Tetrachloroethane	0.00500	0.00550	0.00554	110	111	65.0-130			0.725	20
Tetrachloroethene	0.00500	0.00497	0.00512	99.4	102	72.0-132			2.97	20
Toluene	0.00500	0.00500	0.00503	100	101	79.0-120			0.598	20
1,1,1-Trichloroethane	0.00500	0.00443	0.00436	88.6	87.2	73.0-124			1.59	20
1,1,2-Trichloroethane	0.00500	0.00522	0.00524	104	105	80.0-120			0.382	20
Trichloroethene	0.00500	0.00442	0.00440	88.4	88.0	78.0-124			0.454	20
1,2,4-Trimethylbenzene	0.00500	0.00517	0.00528	103	106	76.0-121			2.11	20
1,3,5-Trimethylbenzene	0.00500	0.00536	0.00526	107	105	76.0-122			1.88	20
Vinyl chloride	0.00500	0.00390	0.00395	78.0	79.0	67.0-131			1.27	20
o-Xylene	0.00500	0.00468	0.00486	93.6	97.2	80.0-122			3.77	20
m&p-Xylene	0.0100	0.00963	0.0102	96.3	102	80.0-122			5.75	20
Xylenes, Total	0.0150	0.0143	0.0151	95.3	101	79.0-123			5.44	20
(S) Toluene-d8				*115*	*114*	*80.0-120*				
(S) 4-Bromofluorobenzene				*98.8*	*98.0*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*99.2*	*99.2*	*70.0-130*				

Method Blank (MB)

(MB) R4131504-2 10/10/24 05:45

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
2-Hexanone	U		0.000787	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
tert-Butyl alcohol	U		0.00406	0.00500
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100

Method Blank (MB)

(MB) R4131504-2 10/10/24 05:45

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
o-Xylene	U		0.000174	0.00100
m&p-Xylene	U		0.000430	0.00200
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*110*			*80.0-120*
(S) 4-Bromofluorobenzene	*83.8*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*89.8*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4131504-1 10/10/24 05:05

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.0250	0.0277	111	19.0-160	J
Benzene	0.00500	0.00540	108	70.0-123	
Bromodichloromethane	0.00500	0.00525	105	75.0-120	
Bromoform	0.00500	0.00428	85.6	68.0-132	
Bromomethane	0.00500	0.00367	73.4	10.0-160	J
n-Butylbenzene	0.00500	0.00401	80.2	73.0-125	
sec-Butylbenzene	0.00500	0.00432	86.4	75.0-125	
Carbon disulfide	0.00500	0.00490	98.0	61.0-128	
Carbon tetrachloride	0.00500	0.00492	98.4	68.0-126	
Chlorobenzene	0.00500	0.00540	108	80.0-121	
Chlorodibromomethane	0.00500	0.00503	101	77.0-125	
Chloroethane	0.00500	0.00468	93.6	47.0-150	J
Chloroform	0.00500	0.00519	104	73.0-120	
Chloromethane	0.00500	0.00541	108	41.0-142	
1,2-Dibromoethane	0.00500	0.00507	101	80.0-122	
1,1-Dichloroethane	0.00500	0.00495	99.0	70.0-126	
1,2-Dichloroethane	0.00500	0.00453	90.6	70.0-128	
1,1-Dichloroethene	0.00500	0.00500	100	71.0-124	
cis-1,2-Dichloroethene	0.00500	0.00515	103	73.0-120	
trans-1,2-Dichloroethene	0.00500	0.00539	108	73.0-120	
1,2-Dichloropropane	0.00500	0.00473	94.6	77.0-125	
cis-1,3-Dichloropropene	0.00500	0.00417	83.4	80.0-123	

Laboratory Control Sample (LCS)

(LCS) R4131504-1 10/10/24 05:05

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
trans-1,3-Dichloropropene	0.00500	0.00452	90.4	78.0-124	
Ethylbenzene	0.00500	0.00475	95.0	79.0-123	
Isopropylbenzene	0.00500	0.00424	84.8	76.0-127	
p-Isopropyltoluene	0.00500	0.00425	85.0	76.0-125	
2-Butanone (MEK)	0.0250	0.0280	112	44.0-160	
2-Hexanone	0.0250	0.0199	79.6	67.0-149	
Methylene Chloride	0.00500	0.00516	103	67.0-120	
4-Methyl-2-pentanone (MIBK)	0.0250	0.0261	104	68.0-142	
Methyl tert-butyl ether	0.00500	0.00451	90.2	68.0-125	
Naphthalene	0.00500	0.00267	53.4	54.0-135	J J4
n-Propylbenzene	0.00500	0.00441	88.2	77.0-124	
Styrene	0.00500	0.00336	67.2	73.0-130	J4
tert-Butyl alcohol	0.0250	0.0190	76.0	27.0-160	
1,1,1,2-Tetrachloroethane	0.00500	0.00486	97.2	75.0-125	
1,1,2,2-Tetrachloroethane	0.00500	0.00581	116	65.0-130	
Tetrachloroethene	0.00500	0.00541	108	72.0-132	
Toluene	0.00500	0.00500	100	79.0-120	
1,1,1-Trichloroethane	0.00500	0.00509	102	73.0-124	
1,1,2-Trichloroethane	0.00500	0.00517	103	80.0-120	
Trichloroethene	0.00500	0.00527	105	78.0-124	
1,2,4-Trimethylbenzene	0.00500	0.00407	81.4	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00465	93.0	76.0-122	
Vinyl chloride	0.00500	0.00507	101	67.0-131	
o-Xylene	0.00500	0.00436	87.2	80.0-122	
m&p-Xylene	0.0100	0.00935	93.5	80.0-122	
Xylenes, Total	0.0150	0.0137	91.3	79.0-123	
(S) Toluene-d8			*88.3*	*80.0-120*	
(S) 4-Bromofluorobenzene			*83.6*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*84.6*	*70.0-130*	

Method Blank (MB)

(MB) R4131302-2 10/10/24 14:26

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
2-Hexanone	U		0.000787	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
tert-Butyl alcohol	U		0.00406	0.00500
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100

Method Blank (MB)

(MB) R4131302-2 10/10/24 14:26

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
o-Xylene	U		0.000174	0.00100
m&p-Xylene	U		0.000430	0.00200
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*109*			*80.0-120*
(S) 4-Bromofluorobenzene	*89.3*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*91.3*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4131302-1 10/10/24 13:46

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.0250	0.0278	111	19.0-160	J
Benzene	0.00500	0.00557	111	70.0-123	
Bromodichloromethane	0.00500	0.00529	106	75.0-120	
Bromoform	0.00500	0.00449	89.8	68.0-132	
Bromomethane	0.00500	0.00345	69.0	10.0-160	J
n-Butylbenzene	0.00500	0.00390	78.0	73.0-125	
sec-Butylbenzene	0.00500	0.00456	91.2	75.0-125	
Carbon disulfide	0.00500	0.00589	118	61.0-128	
Carbon tetrachloride	0.00500	0.00519	104	68.0-126	
Chlorobenzene	0.00500	0.00561	112	80.0-121	
Chlorodibromomethane	0.00500	0.00536	107	77.0-125	
Chloroethane	0.00500	0.00489	97.8	47.0-150	J
Chloroform	0.00500	0.00525	105	73.0-120	
Chloromethane	0.00500	0.00583	117	41.0-142	
1,2-Dibromoethane	0.00500	0.00528	106	80.0-122	
1,1-Dichloroethane	0.00500	0.00515	103	70.0-126	
1,2-Dichloroethane	0.00500	0.00475	95.0	70.0-128	
1,1-Dichloroethene	0.00500	0.00538	108	71.0-124	
cis-1,2-Dichloroethene	0.00500	0.00518	104	73.0-120	
trans-1,2-Dichloroethene	0.00500	0.00583	117	73.0-120	
1,2-Dichloropropane	0.00500	0.00487	97.4	77.0-125	
cis-1,3-Dichloropropene	0.00500	0.00447	89.4	80.0-123	

Laboratory Control Sample (LCS)

(LCS) R4131302-1 10/10/24 13:46

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
trans-1,3-Dichloropropene	0.00500	0.00455	91.0	78.0-124	
Ethylbenzene	0.00500	0.00507	101	79.0-123	
Isopropylbenzene	0.00500	0.00460	92.0	76.0-127	
p-Isopropyltoluene	0.00500	0.00456	91.2	76.0-125	
2-Butanone (MEK)	0.0250	0.0294	118	44.0-160	
2-Hexanone	0.0250	0.0210	84.0	67.0-149	
Methylene Chloride	0.00500	0.00512	102	67.0-120	
4-Methyl-2-pentanone (MIBK)	0.0250	0.0272	109	68.0-142	
Methyl tert-butyl ether	0.00500	0.00490	98.0	68.0-125	
Naphthalene	0.00500	0.00301	60.2	54.0-135	J
n-Propylbenzene	0.00500	0.00453	90.6	77.0-124	
Styrene	0.00500	0.00430	86.0	73.0-130	
tert-Butyl alcohol	0.0250	0.0212	84.8	27.0-160	
1,1,1,2-Tetrachloroethane	0.00500	0.00560	112	75.0-125	
1,1,2,2-Tetrachloroethane	0.00500	0.00571	114	65.0-130	
Tetrachloroethene	0.00500	0.00571	114	72.0-132	
Toluene	0.00500	0.00533	107	79.0-120	
1,1,1-Trichloroethane	0.00500	0.00519	104	73.0-124	
1,1,2-Trichloroethane	0.00500	0.00580	116	80.0-120	
Trichloroethene	0.00500	0.00559	112	78.0-124	
1,2,4-Trimethylbenzene	0.00500	0.00450	90.0	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00458	91.6	76.0-122	
Vinyl chloride	0.00500	0.00593	119	67.0-131	
o-Xylene	0.00500	0.00456	91.2	80.0-122	
m&p-Xylene	0.0100	0.0103	103	80.0-122	
Xylenes, Total	0.0150	0.0149	99.3	79.0-123	
(S) Toluene-d8			*94.8*	*80.0-120*	
(S) 4-Bromofluorobenzene			*85.5*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*85.9*	*70.0-130*	

Received by OCD: 6/12/2025 1:19:15 PM

Method Blank (MB)

(MB) R4131875-4 10/11/24 12:14

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
2-Hexanone	U		0.000787	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
tert-Butyl alcohol	U		0.00406	0.00500
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100

Released to Imaging: 6/17/2025 4:41:11 PM

Method Blank (MB)

(MB) R4131875-4 10/11/24 12:14

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
o-Xylene	U		0.000174	0.00100
m&p-Xylene	U		0.000430	0.00200
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*93.9*			*80.0-120*
(S) 4-Bromofluorobenzene	*95.6*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4131875-1 10/11/24 10:46 • (LCSD) R4131875-2 10/11/24 11:08

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.0250	0.0349	0.0341	140	136	19.0-160	J	J	2.32	27
Benzene	0.00500	0.00499	0.00474	99.8	94.8	70.0-123			5.14	20
Bromodichloromethane	0.00500	0.00505	0.00479	101	95.8	75.0-120			5.28	20
Bromoform	0.00500	0.00464	0.00493	92.8	98.6	68.0-132			6.06	20
Bromomethane	0.00500	0.00581	0.00591	116	118	10.0-160			1.71	25
n-Butylbenzene	0.00500	0.00471	0.00446	94.2	89.2	73.0-125			5.45	20
sec-Butylbenzene	0.00500	0.00483	0.00487	96.6	97.4	75.0-125			0.825	20
Carbon disulfide	0.00500	0.00510	0.00491	102	98.2	61.0-128			3.80	20
Carbon tetrachloride	0.00500	0.00557	0.00579	111	116	68.0-126			3.87	20
Chlorobenzene	0.00500	0.00473	0.00467	94.6	93.4	80.0-121			1.28	20
Chlorodibromomethane	0.00500	0.00461	0.00446	92.2	89.2	77.0-125			3.31	20
Chloroethane	0.00500	0.00567	0.00558	113	112	47.0-150			1.60	20
Chloroform	0.00500	0.00519	0.00510	104	102	73.0-120			1.75	20
Chloromethane	0.00500	0.00431	0.00468	86.2	93.6	41.0-142			8.23	20
1,2-Dibromoethane	0.00500	0.00466	0.00470	93.2	94.0	80.0-122			0.855	20
1,1-Dichloroethane	0.00500	0.00525	0.00515	105	103	70.0-126			1.92	20
1,2-Dichloroethane	0.00500	0.00558	0.00551	112	110	70.0-128			1.26	20
1,1-Dichloroethene	0.00500	0.00518	0.00486	104	97.2	71.0-124			6.37	20
cis-1,2-Dichloroethene	0.00500	0.00498	0.00482	99.6	96.4	73.0-120			3.27	20
trans-1,2-Dichloroethene	0.00500	0.00515	0.00477	103	95.4	73.0-120			7.66	20
1,2-Dichloropropane	0.00500	0.00542	0.00478	108	95.6	77.0-125			12.5	20
cis-1,3-Dichloropropene	0.00500	0.00504	0.00488	101	97.6	80.0-123			3.23	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4131875-1 10/11/24 10:46 • (LCSD) R4131875-2 10/11/24 11:08

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
trans-1,3-Dichloropropene	0.00500	0.00507	0.00489	101	97.8	78.0-124			3.61	20
Ethylbenzene	0.00500	0.00453	0.00480	90.6	96.0	79.0-123			5.79	20
Isopropylbenzene	0.00500	0.00491	0.00488	98.2	97.6	76.0-127			0.613	20
p-Isopropyltoluene	0.00500	0.00477	0.00459	95.4	91.8	76.0-125			3.85	20
2-Butanone (MEK)	0.0250	0.0284	0.0285	114	114	44.0-160			0.351	20
2-Hexanone	0.0250	0.0241	0.0242	96.4	96.8	67.0-149			0.414	20
Methylene Chloride	0.00500	0.00513	0.00483	103	96.6	67.0-120		J	6.02	20
4-Methyl-2-pentanone (MIBK)	0.0250	0.0267	0.0264	107	106	68.0-142			1.13	20
Methyl tert-butyl ether	0.00500	0.00518	0.00504	104	101	68.0-125			2.74	20
Naphthalene	0.00500	0.00554	0.00516	111	103	54.0-135			7.10	20
n-Propylbenzene	0.00500	0.00441	0.00437	88.2	87.4	77.0-124			0.911	20
Styrene	0.00500	0.00467	0.00452	93.4	90.4	73.0-130			3.26	20
tert-Butyl alcohol	0.0250	0.0356	0.0350	142	140	27.0-160			1.70	30
1,1,1,2-Tetrachloroethane	0.00500	0.00492	0.00470	98.4	94.0	75.0-125			4.57	20
1,1,2,2-Tetrachloroethane	0.00500	0.00457	0.00439	91.4	87.8	65.0-130			4.02	20
Tetrachloroethene	0.00500	0.00493	0.00492	98.6	98.4	72.0-132			0.203	20
Toluene	0.00500	0.00457	0.00453	91.4	90.6	79.0-120			0.879	20
1,1,1-Trichloroethane	0.00500	0.00559	0.00560	112	112	73.0-124			0.179	20
1,1,2-Trichloroethane	0.00500	0.00464	0.00483	92.8	96.6	80.0-120			4.01	20
Trichloroethene	0.00500	0.00535	0.00478	107	95.6	78.0-124			11.3	20
1,2,4-Trimethylbenzene	0.00500	0.00476	0.00477	95.2	95.4	76.0-121			0.210	20
1,3,5-Trimethylbenzene	0.00500	0.00490	0.00474	98.0	94.8	76.0-122			3.32	20
Vinyl chloride	0.00500	0.00536	0.00525	107	105	67.0-131			2.07	20
o-Xylene	0.00500	0.00482	0.00475	96.4	95.0	80.0-122			1.46	20
m&p-Xylene	0.0100	0.00954	0.00931	95.4	93.1	80.0-122			2.44	20
Xylenes, Total	0.0150	0.0144	0.0141	96.0	94.0	79.0-123			2.11	20
(S) Toluene-d8				*95.9*	*96.3*	*80.0-120*				
(S) 4-Bromofluorobenzene				*102*	*105*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*108*	*108*	*70.0-130*				

Method Blank (MB)

(MB) R4131333-3 10/10/24 20:41

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
(S) Toluene-d8	*92.8*			*80.0-120*
(S) 4-Bromofluorobenzene	*93.1*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4131333-1 10/10/24 19:44 • (LCSD) R4131333-2 10/10/24 20:03

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.00500	0.00535	0.00495	107	99.0	70.0-123			7.77	20
(S) Toluene-d8				*93.0*	*93.4*	*80.0-120*				
(S) 4-Bromofluorobenzene				*104*	*103*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*117*	*117*	*70.0-130*				

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Method Blank (MB)

(MB) R4133385-3 10/10/24 14:38

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
2-Hexanone	U		0.000787	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
tert-Butyl alcohol	U		0.00406	0.00500
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100

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Method Blank (MB)

(MB) R4133385-3 10/10/24 14:38

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
o-Xylene	U		0.000174	0.00100
m&p-Xylene	U		0.000430	0.00200
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*120*			*80.0-120*
(S) 4-Bromofluorobenzene	*102*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4133385-1 10/10/24 13:31 • (LCSD) R4133385-2 10/10/24 13:53

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.0250	0.0261	0.0273	104	109	19.0-160	J	J	4.49	27
Benzene	0.00500	0.00505	0.00457	101	91.4	70.0-123			9.98	20
Bromodichloromethane	0.00500	0.00487	0.00457	97.4	91.4	75.0-120			6.36	20
Bromoform	0.00500	0.00499	0.00497	99.8	99.4	68.0-132			0.402	20
Bromomethane	0.00500	0.00139	0.00163	27.8	32.6	10.0-160	J	J	15.9	25
n-Butylbenzene	0.00500	0.00501	0.00491	100	98.2	73.0-125			2.02	20
sec-Butylbenzene	0.00500	0.00592	0.00562	118	112	75.0-125			5.20	20
Carbon disulfide	0.00500	0.00550	0.00457	110	91.4	61.0-128			18.5	20
Carbon tetrachloride	0.00500	0.00520	0.00463	104	92.6	68.0-126			11.6	20
Chlorobenzene	0.00500	0.00556	0.00550	111	110	80.0-121			1.08	20
Chlorodibromomethane	0.00500	0.00535	0.00511	107	102	77.0-125			4.59	20
Chloroethane	0.00500	0.00480	0.00379	96.0	75.8	47.0-150	J	J J3	23.5	20
Chloroform	0.00500	0.00515	0.00475	103	95.0	73.0-120		J	8.08	20
Chloromethane	0.00500	0.00401	0.00322	80.2	64.4	41.0-142		J3	21.9	20
1,2-Dibromoethane	0.00500	0.00561	0.00530	112	106	80.0-122			5.68	20
1,1-Dichloroethane	0.00500	0.00507	0.00474	101	94.8	70.0-126			6.73	20
1,2-Dichloroethane	0.00500	0.00506	0.00463	101	92.6	70.0-128			8.88	20
1,1-Dichloroethene	0.00500	0.00578	0.00493	116	98.6	71.0-124			15.9	20
cis-1,2-Dichloroethene	0.00500	0.00504	0.00478	101	95.6	73.0-120			5.30	20
trans-1,2-Dichloroethene	0.00500	0.00541	0.00493	108	98.6	73.0-120			9.28	20
1,2-Dichloropropane	0.00500	0.00449	0.00438	89.8	87.6	77.0-125			2.48	20
cis-1,3-Dichloropropene	0.00500	0.00415	0.00438	83.0	87.6	80.0-123			5.39	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4133385-1 10/10/24 13:31 • (LCSD) R4133385-2 10/10/24 13:53

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
trans-1,3-Dichloropropene	0.00500	0.00491	0.00537	98.2	107	78.0-124			8.95	20
Ethylbenzene	0.00500	0.00557	0.00539	111	108	79.0-123			3.28	20
Isopropylbenzene	0.00500	0.00562	0.00524	112	105	76.0-127			7.00	20
p-Isopropyltoluene	0.00500	0.00581	0.00552	116	110	76.0-125			5.12	20
2-Butanone (MEK)	0.0250	0.0299	0.0309	120	124	44.0-160			3.29	20
2-Hexanone	0.0250	0.0271	0.0272	108	109	67.0-149			0.368	20
Methylene Chloride	0.00500	0.00529	0.00475	106	95.0	67.0-120		J	10.8	20
4-Methyl-2-pentanone (MIBK)	0.0250	0.0298	0.0302	119	121	68.0-142			1.33	20
Methyl tert-butyl ether	0.00500	0.00510	0.00485	102	97.0	68.0-125			5.03	20
Naphthalene	0.00500	0.00454	0.00486	90.8	97.2	54.0-135	J	J	6.81	20
n-Propylbenzene	0.00500	0.00585	0.00559	117	112	77.0-124			4.55	20
Styrene	0.00500	0.00468	0.00441	93.6	88.2	73.0-130			5.94	20
tert-Butyl alcohol	0.0250	0.0265	0.0260	106	104	27.0-160			1.90	30
1,1,1,2-Tetrachloroethane	0.00500	0.00546	0.00538	109	108	75.0-125			1.48	20
1,1,2,2-Tetrachloroethane	0.00500	0.00499	0.00605	99.8	121	65.0-130			19.2	20
Tetrachloroethene	0.00500	0.00579	0.00559	116	112	72.0-132			3.51	20
Toluene	0.00500	0.00565	0.00526	113	105	79.0-120			7.15	20
1,1,1-Trichloroethane	0.00500	0.00529	0.00469	106	93.8	73.0-124			12.0	20
1,1,2-Trichloroethane	0.00500	0.00592	0.00575	118	115	80.0-120			2.91	20
Trichloroethene	0.00500	0.00583	0.00473	117	94.6	78.0-124		J3	20.8	20
1,2,4-Trimethylbenzene	0.00500	0.00596	0.00549	119	110	76.0-121			8.21	20
1,3,5-Trimethylbenzene	0.00500	0.00601	0.00589	120	118	76.0-122			2.02	20
Vinyl chloride	0.00500	0.00523	0.00412	105	82.4	67.0-131		J3	23.7	20
o-Xylene	0.00500	0.00558	0.00529	112	106	80.0-122			5.34	20
m&p-Xylene	0.0100	0.0113	0.0108	113	108	80.0-122			4.52	20
Xylenes, Total	0.0150	0.0169	0.0161	113	107	79.0-123			4.85	20
(S) Toluene-d8				*115*	*115*	*80.0-120*				
(S) 4-Bromofluorobenzene				*98.0*	*98.0*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*98.9*	*98.1*	*70.0-130*				

Method Blank (MB)

(MB) R4132316-3 10/12/24 09:57

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
2-Hexanone	U		0.000787	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
tert-Butyl alcohol	U		0.00406	0.00500
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100

Method Blank (MB)

(MB) R4132316-3 10/12/24 09:57

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
o-Xylene	U		0.000174	0.00100
m&p-Xylene	U		0.000430	0.00200
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*113*			*80.0-120*
(S) 4-Bromofluorobenzene	*108*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4132316-1 10/12/24 08:53 • (LCSD) R4132316-2 10/12/24 09:15

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.0250	0.0246	0.0220	98.4	88.0	19.0-160	J	J	11.2	27
Benzene	0.00500	0.00473	0.00445	94.6	89.0	70.0-123			6.10	20
Bromodichloromethane	0.00500	0.00452	0.00403	90.4	80.6	75.0-120			11.5	20
Bromoform	0.00500	0.00388	0.00388	77.6	77.6	68.0-132			0.000	20
Bromomethane	0.00500	0.00209	0.00186	41.8	37.2	10.0-160	J	J	11.6	25
n-Butylbenzene	0.00500	0.00378	0.00379	75.6	75.8	73.0-125			0.264	20
sec-Butylbenzene	0.00500	0.00417	0.00434	83.4	86.8	75.0-125			4.00	20
Carbon disulfide	0.00500	0.00493	0.00434	98.6	86.8	61.0-128			12.7	20
Carbon tetrachloride	0.00500	0.00460	0.00422	92.0	84.4	68.0-126			8.62	20
Chlorobenzene	0.00500	0.00449	0.00464	89.8	92.8	80.0-121			3.29	20
Chlorodibromomethane	0.00500	0.00415	0.00402	83.0	80.4	77.0-125			3.18	20
Chloroethane	0.00500	0.00518	0.00451	104	90.2	47.0-150		J	13.8	20
Chloroform	0.00500	0.00486	0.00422	97.2	84.4	73.0-120	J	J	14.1	20
Chloromethane	0.00500	0.00477	0.00377	95.4	75.4	41.0-142		J3	23.4	20
1,2-Dibromoethane	0.00500	0.00453	0.00443	90.6	88.6	80.0-122			2.23	20
1,1-Dichloroethane	0.00500	0.00505	0.00443	101	88.6	70.0-126			13.1	20
1,2-Dichloroethane	0.00500	0.00454	0.00417	90.8	83.4	70.0-128			8.50	20
1,1-Dichloroethene	0.00500	0.00496	0.00428	99.2	85.6	71.0-124			14.7	20
cis-1,2-Dichloroethene	0.00500	0.00468	0.00437	93.6	87.4	73.0-120			6.85	20
trans-1,2-Dichloroethene	0.00500	0.00475	0.00449	95.0	89.8	73.0-120			5.63	20
1,2-Dichloropropane	0.00500	0.00482	0.00428	96.4	85.6	77.0-125			11.9	20
cis-1,3-Dichloropropene	0.00500	0.00441	0.00408	88.2	81.6	80.0-123			7.77	20

Received by OCD: 6/12/2025 1:19:15 PM

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4132316-1 10/12/24 08:53 • (LCSD) R4132316-2 10/12/24 09:15

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
trans-1,3-Dichloropropene	0.00500	0.00422	0.00444	84.4	88.8	78.0-124			5.08	20
Ethylbenzene	0.00500	0.00439	0.00456	87.8	91.2	79.0-123			3.80	20
Isopropylbenzene	0.00500	0.00430	0.00437	86.0	87.4	76.0-127			1.61	20
p-Isopropyltoluene	0.00500	0.00413	0.00424	82.6	84.8	76.0-125			2.63	20
2-Butanone (MEK)	0.0250	0.0255	0.0197	102	78.8	44.0-160		J3	25.7	20
2-Hexanone	0.0250	0.0220	0.0222	88.0	88.8	67.0-149			0.905	20
Methylene Chloride	0.00500	0.00501	0.00439	100	87.8	67.0-120		J	13.2	20
4-Methyl-2-pentanone (MIBK)	0.0250	0.0238	0.0238	95.2	95.2	68.0-142			0.000	20
Methyl tert-butyl ether	0.00500	0.00494	0.00439	98.8	87.8	68.0-125			11.8	20
Naphthalene	0.00500	0.00421	0.00439	84.2	87.8	54.0-135	J	J	4.19	20
n-Propylbenzene	0.00500	0.00412	0.00433	82.4	86.6	77.0-124			4.97	20
Styrene	0.00500	0.00440	0.00442	88.0	88.4	73.0-130			0.454	20
tert-Butyl alcohol	0.0250	0.0305	0.0255	122	102	27.0-160			17.9	30
1,1,1,2-Tetrachloroethane	0.00500	0.00455	0.00425	91.0	85.0	75.0-125			6.82	20
1,1,2,2-Tetrachloroethane	0.00500	0.00376	0.00374	75.2	74.8	65.0-130			0.533	20
Tetrachloroethene	0.00500	0.00473	0.00483	94.6	96.6	72.0-132			2.09	20
Toluene	0.00500	0.00446	0.00451	89.2	90.2	79.0-120			1.11	20
1,1,1-Trichloroethane	0.00500	0.00454	0.00418	90.8	83.6	73.0-124			8.26	20
1,1,2-Trichloroethane	0.00500	0.00438	0.00420	87.6	84.0	80.0-120			4.20	20
Trichloroethene	0.00500	0.00496	0.00456	99.2	91.2	78.0-124			8.40	20
1,2,4-Trimethylbenzene	0.00500	0.00424	0.00410	84.8	82.0	76.0-121			3.36	20
1,3,5-Trimethylbenzene	0.00500	0.00434	0.00445	86.8	89.0	76.0-122			2.50	20
Vinyl chloride	0.00500	0.00518	0.00438	104	87.6	67.0-131			16.7	20
o-Xylene	0.00500	0.00431	0.00429	86.2	85.8	80.0-122			0.465	20
m&p-Xylene	0.0100	0.00892	0.00897	89.2	89.7	80.0-122			0.559	20
Xylenes, Total	0.0150	0.0132	0.0133	88.0	88.7	79.0-123			0.755	20
(S) Toluene-d8				*106*	*109*	*80.0-120*				
(S) 4-Bromofluorobenzene				*102*	*106*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*105*	*96.5*	*70.0-130*				

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Method Blank (MB)

(MB) R4132847-3 10/14/24 22:07

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
Methyl tert-butyl ether	U		0.000101	0.00100
(S) Toluene-d8	*106*			*80.0-120*
(S) 4-Bromofluorobenzene	*97.9*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4132847-1 10/14/24 20:45

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.00500	0.00477	95.4	70.0-123	
Methyl tert-butyl ether	0.00500	0.00472	94.4	68.0-125	
(S) Toluene-d8			*104*	*80.0-120*	
(S) 4-Bromofluorobenzene			*98.6*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*103*	*70.0-130*	

Method Blank (MB)

(MB) R4133399-3 10/15/24 14:14

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
2-Hexanone	U		0.000787	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	0.00130	J	0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
tert-Butyl alcohol	U		0.00406	0.00500
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100

Method Blank (MB)

(MB) R4133399-3 10/15/24 14:14

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
o-Xylene	U		0.000174	0.00100
m&p-Xylene	U		0.000430	0.00200
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*108*			*80.0-120*
(S) 4-Bromofluorobenzene	*93.8*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4133399-1 10/15/24 12:53

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.0250	0.0181	72.4	19.0-160	J
Benzene	0.00500	0.00489	97.8	70.0-123	
Bromodichloromethane	0.00500	0.00482	96.4	75.0-120	
Bromoform	0.00500	0.00491	98.2	68.0-132	
Bromomethane	0.00500	0.00635	127	10.0-160	
n-Butylbenzene	0.00500	0.00554	111	73.0-125	
sec-Butylbenzene	0.00500	0.00489	97.8	75.0-125	
Carbon disulfide	0.00500	0.00496	99.2	61.0-128	
Carbon tetrachloride	0.00500	0.00537	107	68.0-126	
Chlorobenzene	0.00500	0.00498	99.6	80.0-121	
Chlorodibromomethane	0.00500	0.00460	92.0	77.0-125	
Chloroethane	0.00500	0.00576	115	47.0-150	
Chloroform	0.00500	0.00514	103	73.0-120	
Chloromethane	0.00500	0.00457	91.4	41.0-142	
1,2-Dibromoethane	0.00500	0.00444	88.8	80.0-122	
1,1-Dichloroethane	0.00500	0.00495	99.0	70.0-126	
1,2-Dichloroethane	0.00500	0.00496	99.2	70.0-128	
1,1-Dichloroethene	0.00500	0.00491	98.2	71.0-124	
cis-1,2-Dichloroethene	0.00500	0.00487	97.4	73.0-120	
trans-1,2-Dichloroethene	0.00500	0.00490	98.0	73.0-120	
1,2-Dichloropropane	0.00500	0.00411	82.2	77.0-125	
cis-1,3-Dichloropropene	0.00500	0.00481	96.2	80.0-123	

Laboratory Control Sample (LCS)

(LCS) R4133399-1 10/15/24 12:53

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
trans-1,3-Dichloropropene	0.00500	0.00508	102	78.0-124	
Ethylbenzene	0.00500	0.00497	99.4	79.0-123	
Isopropylbenzene	0.00500	0.00524	105	76.0-127	
p-Isopropyltoluene	0.00500	0.00491	98.2	76.0-125	
2-Butanone (MEK)	0.0250	0.0200	80.0	44.0-160	
2-Hexanone	0.0250	0.0197	78.8	67.0-149	
Methylene Chloride	0.00500	0.00481	96.2	67.0-120	J
4-Methyl-2-pentanone (MIBK)	0.0250	0.0207	82.8	68.0-142	
Methyl tert-butyl ether	0.00500	0.00479	95.8	68.0-125	
Naphthalene	0.00500	0.00253	50.6	54.0-135	J J4
n-Propylbenzene	0.00500	0.00582	116	77.0-124	
Styrene	0.00500	0.00484	96.8	73.0-130	
tert-Butyl alcohol	0.0250	0.0207	82.8	27.0-160	
1,1,1,2-Tetrachloroethane	0.00500	0.00495	99.0	75.0-125	
1,1,2,2-Tetrachloroethane	0.00500	0.00499	99.8	65.0-130	
Tetrachloroethene	0.00500	0.00511	102	72.0-132	
Toluene	0.00500	0.00525	105	79.0-120	
1,1,1-Trichloroethane	0.00500	0.00535	107	73.0-124	
1,1,2-Trichloroethane	0.00500	0.00475	95.0	80.0-120	
Trichloroethene	0.00500	0.00445	89.0	78.0-124	
1,2,4-Trimethylbenzene	0.00500	0.00528	106	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00512	102	76.0-122	
Vinyl chloride	0.00500	0.00479	95.8	67.0-131	
o-Xylene	0.00500	0.00498	99.6	80.0-122	
m&p-Xylene	0.0100	0.0101	101	80.0-122	
Xylenes, Total	0.0150	0.0151	101	79.0-123	
(S) Toluene-d8			*103*	*80.0-120*	
(S) 4-Bromofluorobenzene			*95.7*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*112*	*70.0-130*	

Method Blank (MB)

(MB) R4133963-2 10/16/24 20:40

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Bromomethane	U		0.000605	0.00500
Chloroethane	U		0.000192	0.00500
Chloromethane	U		0.000960	0.00250
Isopropylbenzene	U		0.000105	0.00100
Vinyl chloride	U		0.000234	0.00100
(S) Toluene-d8	*105*			*80.0-120*
(S) 4-Bromofluorobenzene	*91.0*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*92.8*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4133963-1 10/16/24 20:00

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bromomethane	0.00500	0.00353	70.6	10.0-160	J
Chloroethane	0.00500	0.00419	83.8	47.0-150	J
Chloromethane	0.00500	0.00501	100	41.0-142	
Isopropylbenzene	0.00500	0.00392	78.4	76.0-127	
Vinyl chloride	0.00500	0.00463	92.6	67.0-131	
(S) Toluene-d8			*94.9*	*80.0-120*	
(S) 4-Bromofluorobenzene			*88.1*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*87.9*	*70.0-130*	

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Method Blank (MB)

(MB) R4133964-2 10/16/24 20:40

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
2-Hexanone	U		0.000787	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
tert-Butyl alcohol	U		0.00406	0.00500
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100

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Method Blank (MB)

(MB) R4133964-2 10/16/24 20:40

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
o-Xylene	U		0.000174	0.00100
m&p-Xylene	U		0.000430	0.00200
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*105*			*80.0-120*
(S) 4-Bromofluorobenzene	*91.0*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*92.8*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4133964-1 10/16/24 20:00

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.0250	0.0281	112	19.0-160	J
Benzene	0.00500	0.00488	97.6	70.0-123	
Bromodichloromethane	0.00500	0.00483	96.6	75.0-120	
Bromoform	0.00500	0.00396	79.2	68.0-132	
Bromomethane	0.00500	0.00353	70.6	10.0-160	J
n-Butylbenzene	0.00500	0.00383	76.6	73.0-125	
sec-Butylbenzene	0.00500	0.00430	86.0	75.0-125	
Carbon disulfide	0.00500	0.00484	96.8	61.0-128	
Carbon tetrachloride	0.00500	0.00413	82.6	68.0-126	
Chlorobenzene	0.00500	0.00434	86.8	80.0-121	
Chlorodibromomethane	0.00500	0.00437	87.4	77.0-125	
Chloroethane	0.00500	0.00419	83.8	47.0-150	J
Chloroform	0.00500	0.00446	89.2	73.0-120	J
Chloromethane	0.00500	0.00501	100	41.0-142	
1,2-Dibromoethane	0.00500	0.00450	90.0	80.0-122	
1,1-Dichloroethane	0.00500	0.00455	91.0	70.0-126	
1,2-Dichloroethane	0.00500	0.00468	93.6	70.0-128	
1,1-Dichloroethene	0.00500	0.00452	90.4	71.0-124	
cis-1,2-Dichloroethene	0.00500	0.00436	87.2	73.0-120	
trans-1,2-Dichloroethene	0.00500	0.00491	98.2	73.0-120	
1,2-Dichloropropane	0.00500	0.00429	85.8	77.0-125	
cis-1,3-Dichloropropene	0.00500	0.00395	79.0	80.0-123	J4

Laboratory Control Sample (LCS)

(LCS) R4133964-1 10/16/24 20:00

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
trans-1,3-Dichloropropene	0.00500	0.00395	79.0	78.0-124	
Ethylbenzene	0.00500	0.00423	84.6	79.0-123	
Isopropylbenzene	0.00500	0.00392	78.4	76.0-127	
p-Isopropyltoluene	0.00500	0.00436	87.2	76.0-125	
2-Butanone (MEK)	0.0250	0.0292	117	44.0-160	
2-Hexanone	0.0250	0.0215	86.0	67.0-149	
Methylene Chloride	0.00500	0.00456	91.2	67.0-120	J
4-Methyl-2-pentanone (MIBK)	0.0250	0.0273	109	68.0-142	
Methyl tert-butyl ether	0.00500	0.00475	95.0	68.0-125	
Naphthalene	0.00500	0.00294	58.8	54.0-135	J
n-Propylbenzene	0.00500	0.00447	89.4	77.0-124	
Styrene	0.00500	0.00353	70.6	73.0-130	J4
tert-Butyl alcohol	0.0250	0.0205	82.0	27.0-160	
1,1,1,2-Tetrachloroethane	0.00500	0.00444	88.8	75.0-125	
1,1,2,2-Tetrachloroethane	0.00500	0.00522	104	65.0-130	
Tetrachloroethene	0.00500	0.00462	92.4	72.0-132	
Toluene	0.00500	0.00465	93.0	79.0-120	
1,1,1-Trichloroethane	0.00500	0.00467	93.4	73.0-124	
1,1,2-Trichloroethane	0.00500	0.00519	104	80.0-120	
Trichloroethene	0.00500	0.00479	95.8	78.0-124	
1,2,4-Trimethylbenzene	0.00500	0.00416	83.2	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00442	88.4	76.0-122	
Vinyl chloride	0.00500	0.00463	92.6	67.0-131	
o-Xylene	0.00500	0.00411	82.2	80.0-122	
m&p-Xylene	0.0100	0.00821	82.1	80.0-122	
Xylenes, Total	0.0150	0.0123	82.0	79.0-123	
(S) Toluene-d8			*94.9*	*80.0-120*	
(S) 4-Bromofluorobenzene			*88.1*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*87.9*	*70.0-130*	

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Method Blank (MB)

(MB) R4134665-3 10/17/24 18:17

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Methyl tert-butyl ether	U		0.000101	0.00100
(S) Toluene-d8	*110*			*80.0-120*
(S) 4-Bromofluorobenzene	*95.9*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4134665-1 10/17/24 16:53 • (LCSD) R4134665-2 10/17/24 17:14

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Methyl tert-butyl ether	0.00500	0.00527	0.00461	105	92.2	68.0-125			13.4	20
(S) Toluene-d8				*108*	*110*	*80.0-120*				
(S) 4-Bromofluorobenzene				*93.3*	*102*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*111*	*110*	*70.0-130*				

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Method Blank (MB)

(MB) R4135645-3 10/16/24 22:45

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
(S) Toluene-d8	*101*			*80.0-120*
(S) 4-Bromofluorobenzene	*90.3*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*98.0*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4135645-1 10/16/24 21:44

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.00500	0.00504	101	70.0-123	
(S) Toluene-d8			*103*	*80.0-120*	
(S) 4-Bromofluorobenzene			*97.1*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*103*	*70.0-130*	

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Semi-Volatile Organic Compounds (GC) by Method 3511/8015

L1784264-01,02

Method Blank (MB)

(MB) R4132896-1 10/13/24 23:13

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
(S) o-Terphenyl	*131*			*52.0-156*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4132896-2 10/13/24 23:33 • (LCSD) R4132896-3 10/13/24 23:53

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.75	1.78	117	119	50.0-150			1.70	20
(S) o-Terphenyl				*130*	*131*	*52.0-156*				

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

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Method Blank (MB)

(MB) R4132385-1 10/14/24 11:51

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	0.0313	J	0.0247	0.100
(S) o-Terphenyl	*117*			*52.0-156*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4132385-2 10/14/24 12:11 • (LCSD) R4132385-3 10/14/24 12:31

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.55	1.53	103	102	50.0-150			1.30	20
(S) o-Terphenyl				*119*	*119*	*52.0-156*				

Received by OCD: 6/12/2025 1:19:15 PM

Semi-Volatile Organic Compounds (GC) by Method 3511/8015 L1784264-22,23,24,27,28,29,30,31,32,33,34,35,36,37,38,40,41,42,47,48

Method Blank (MB)

(MB) R4133405-1 10/15/24 15:08

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	0.0274	J	0.0247	0.100
(S) o-Terphenyl	*110*			*52.0-156*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4133405-2 10/15/24 15:27 • (LCSD) R4133405-3 10/15/24 15:47

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.70	1.75	113	117	50.0-150			2.90	20
(S) o-Terphenyl				*109*	*111*	*52.0-156*				

Released to Imaging: 6/17/2025 4:41:11 PM

Semi-Volatile Organic Compounds (GC) by Method 3511/8015 L1784264-49,50,51,52,53,54,55,56,57,58,60,61,62,63,66,67,68,69,70,71

Method Blank (MB)

(MB) R4133155-1 10/15/24 08:33

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
(S) o-Terphenyl	*109*			*52.0-156*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4133155-2 10/15/24 08:53 • (LCSD) R4133155-3 10/15/24 09:13

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.54	1.53	103	102	50.0-150			0.651	20
(S) o-Terphenyl				*127*	*139*	*52.0-156*				

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Method Blank (MB)

(MB) R4133490-1 10/15/24 13:22

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
(S) o-Terphenyl	*110*			*52.0-156*

Laboratory Control Sample (LCS)

(LCS) R4133490-2 10/15/24 13:42

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) High Fraction	1.50	1.66	111	50.0-150	
(S) o-Terphenyl			*118*	*52.0-156*	

L1784459-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1784459-03 10/15/24 14:02 • (MS) R4133490-3 10/15/24 14:22 • (MSD) R4133490-4 10/15/24 14:42

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.43	0.378	1.86	1.91	104	107	1	50.0-150			2.65	20
(S) o-Terphenyl					*117*	*116*		*52.0-156*				

Method Blank (MB)

(MB) R4132841-1 10/14/24 21:23

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
(S) o-Terphenyl	*95.5*			*52.0-156*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4132841-2 10/14/24 21:42 • (LCSD) R4132841-3 10/14/24 22:02

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.61	1.60	107	107	50.0-150			0.623	20
(S) o-Terphenyl				*107*	*107*	*52.0-156*				

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Method Blank (MB)

(MB) R4133675-1 10/16/24 13:04

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
(S) o-Terphenyl	*141*			*52.0-156*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4133675-2 10/16/24 13:24 • (LCSD) R4133675-3 10/16/24 13:45

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.37	1.23	91.3	82.0	50.0-150			10.8	20
(S) o-Terphenyl				*134*	*107*	*52.0-156*				

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Received by OCD: 6/12/2025 1:19:15 PM

Method Blank (MB)

(MB) R4134209-1 10/17/24 05:40

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
(S) o-Terphenyl	*118*			*52.0-156*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4134209-2 10/17/24 06:00 • (LCSD) R4134209-3 10/17/24 06:21

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.40	1.48	93.3	98.7	50.0-150			5.56	20
(S) o-Terphenyl				*146*	*149*	*52.0-156*				

Released to Imaging: 6/17/2025 4:41:11 PM

Method Blank (MB)

(MB) R4135011-1 10/18/24 22:17

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
(S) o-Terphenyl	*93.0*			*52.0-156*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4135011-2 10/18/24 22:37 • (LCSD) R4135011-3 10/18/24 22:56

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.43	1.56	95.3	104	50.0-150			8.70	20
(S) o-Terphenyl				*91.5*	*103*	*52.0-156*				

Method Blank (MB)

(MB) R4130905-4 10/07/24 13:22

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acenaphthene	U		0.0000886	0.00100
Acenaphthylene	U		0.0000921	0.00100
Acetophenone	U		0.000208	0.0100
Anthracene	U		0.0000804	0.00100
Atrazine	U		0.000255	0.0100
Benzo(a)anthracene	U		0.000199	0.00100
Benzaldehyde	U		0.00169	0.0100
Benzo(b)fluoranthene	U		0.000130	0.00100
Benzo(k)fluoranthene	U		0.000120	0.00100
Benzo(g,h,i)perylene	U		0.000121	0.00100
Benzo(a)pyrene	U		0.0000381	0.000200
Biphenyl	U		0.000790	0.0100
Bis(2-chlorethoxy)methane	U		0.000116	0.0100
Bis(2-chloroethyl)ether	U		0.000137	0.0100
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100
4-Bromophenyl-phenylether	U		0.0000877	0.0100
2-Chloronaphthalene	U		0.0000648	0.00100
4-Chlorophenyl-phenylether	U		0.0000926	0.0100
Caprolactam	U		0.000309	0.0100
Carbazole	U		0.000111	0.0100
Chrysene	U		0.000130	0.00100
Dibenz(a,h)anthracene	U		0.0000644	0.000200
Dibenzofuran	U		0.0000970	0.0100
3,3-Dichlorobenzidine	U		0.000212	0.0100
2,4-Dinitrotoluene	U		0.0000983	0.0100
2,6-Dinitrotoluene	U		0.000250	0.0100
Fluoranthene	U		0.000102	0.00100
Fluorene	U		0.0000844	0.00100
Hexachlorobenzene	U		0.0000755	0.00100
Hexachloro-1,3-butadiene	U		0.0000968	0.0100
Hexachlorocyclopentadiene	U		0.0000598	0.0100
Hexachloroethane	U		0.000127	0.0100
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100
Isophorone	U		0.000143	0.0100
1-Methylnaphthalene	U		0.0000790	0.00100
2-Methylnaphthalene	U		0.000117	0.00100
Naphthalene	U		0.000159	0.00100
Nitrobenzene	U		0.000297	0.0100
n-Nitrosodiphenylamine	U		0.00237	0.0100
n-Nitrosodi-n-propylamine	U		0.000261	0.0100

Method Blank (MB)

(MB) R4130905-4 10/07/24 13:22

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Phenanthrene	U		0.000112	0.00100
Benzylbutyl phthalate	U		0.000765	0.00300
Bis(2-ethylhexyl)phthalate	U		0.000895	0.00300
Di-n-butyl phthalate	U		0.000453	0.00300
Diethyl phthalate	U		0.000287	0.00300
Dimethyl phthalate	U		0.000260	0.00300
Di-n-octyl phthalate	U		0.000932	0.00300
Pyrene	U		0.000107	0.00100
1,2,4-Trichlorobenzene	U		0.0000698	0.0100
4-Chloro-3-methylphenol	U		0.000131	0.0100
2-Chlorophenol	U		0.000133	0.0100
2,4-Dichlorophenol	U		0.000102	0.0100
2,4-Dimethylphenol	U		0.0000636	0.0100
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100
2,4-Dinitrophenol	U		0.00593	0.0100
2-Nitrophenol	U		0.000117	0.0100
2-Nitroaniline	U		0.000102	0.0100
2-Methylphenol	U		0.0000929	0.0100
3&4-Methyl Phenol	U		0.000168	0.0100
3-Nitroaniline	U		0.0000869	0.0100
4-Chloroaniline	U		0.000234	0.0100
4-Nitroaniline	U		0.0000910	0.0100
4-Nitrophenol	U		0.000143	0.0100
Pentachlorophenol	U		0.000313	0.0100
Phenol	U		0.00433	0.0100
2,4,5-Trichlorophenol	U		0.000109	0.0100
2,4,6-Trichlorophenol	U		0.000100	0.0100
(S) 2-Fluorophenol	*39.8*			*10.0-120*
(S) Phenol-d5	*25.8*			*10.0-120*
(S) Nitrobenzene-d5	*55.8*			*10.0-127*
(S) 2-Fluorobiphenyl	*61.7*			*10.0-130*
(S) 2,4,6-Tribromophenol	*57.5*			*10.0-155*
(S) p-Terphenyl-d14	*71.6*			*10.0-128*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4130905-1 10/07/24 12:19 • (LCSD) R4130905-2 10/07/24 12:40

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.0500	0.0284	0.0332	56.8	66.4	41.0-120			15.6	22
Acenaphthylene	0.0500	0.0276	0.0329	55.2	65.8	43.0-120			17.5	22
Acetophenone	0.0500	0.0293	0.0345	58.6	69.0	29.0-120			16.3	28
Anthracene	0.0500	0.0291	0.0340	58.2	68.0	45.0-120			15.5	20
Atrazine	0.0500	0.0418	0.0475	83.6	95.0	39.0-141			12.8	20
Benzo(a)anthracene	0.0500	0.0301	0.0351	60.2	70.2	47.0-120			15.3	20
Benzaldehyde	0.0500	0.0757	0.0877	151	175	10.0-160		J4	14.7	40
Benzo(b)fluoranthene	0.0500	0.0311	0.0354	62.2	70.8	46.0-120			12.9	20
Benzo(k)fluoranthene	0.0500	0.0319	0.0359	63.8	71.8	46.0-120			11.8	21
Benzo(g,h,i)perylene	0.0500	0.0294	0.0336	58.8	67.2	48.0-121			13.3	20
Benzo(a)pyrene	0.0500	0.0309	0.0350	61.8	70.0	47.0-120			12.4	20
Biphenyl	0.0500	0.0281	0.0325	56.2	65.0	38.0-120			14.5	27
Bis(2-chlorethoxy)methane	0.0500	0.0257	0.0300	51.4	60.0	33.0-120			15.4	24
Bis(2-chloroethyl)ether	0.0500	0.0256	0.0304	51.2	60.8	23.0-120			17.1	33
2,2-Oxybis(1-Chloropropane)	0.0500	0.0279	0.0326	55.8	65.2	28.0-120			15.5	31
4-Bromophenyl-phenylether	0.0500	0.0334	0.0384	66.8	76.8	45.0-120			13.9	20
2-Chloronaphthalene	0.0500	0.0271	0.0318	54.2	63.6	37.0-120			16.0	25
4-Chlorophenyl-phenylether	0.0500	0.0337	0.0388	67.4	77.6	44.0-120			14.1	20
Caprolactam	0.0500	0.0114	0.0148	22.8	29.6	10.0-120			26.0	26
Carbazole	0.0500	0.0309	0.0360	61.8	72.0	51.0-122			15.2	20
Chrysene	0.0500	0.0310	0.0353	62.0	70.6	48.0-120			13.0	20
Dibenz(a,h)anthracene	0.0500	0.0330	0.0374	66.0	74.8	47.0-120			12.5	20
Dibenzofuran	0.0500	0.0296	0.0345	59.2	69.0	44.0-120			15.3	22
3,3-Dichlorobenzidine	0.100	0.0706	0.0849	70.6	84.9	44.0-120			18.4	20
2,4-Dinitrotoluene	0.0500	0.0350	0.0413	70.0	82.6	49.0-124			16.5	20
2,6-Dinitrotoluene	0.0500	0.0329	0.0395	65.8	79.0	46.0-120			18.2	21
Fluoranthene	0.0500	0.0338	0.0393	67.6	78.6	51.0-120			15.0	20
Fluorene	0.0500	0.0315	0.0365	63.0	73.0	47.0-120			14.7	20
Hexachlorobenzene	0.0500	0.0336	0.0390	67.2	78.0	44.0-120			14.9	20
Hexachloro-1,3-butadiene	0.0500	0.0282	0.0309	56.4	61.8	19.0-120			9.14	32
Hexachlorocyclopentadiene	0.0500	0.00889	0.00908	17.8	18.2	15.0-120	J	J	2.11	31
Hexachloroethane	0.0500	0.0230	0.0260	46.0	52.0	15.0-120			12.2	37
Indeno(1,2,3-cd)pyrene	0.0500	0.0307	0.0350	61.4	70.0	49.0-122			13.1	20
Isophorone	0.0500	0.0256	0.0301	51.2	60.2	36.0-120			16.2	23
1-Methylnaphthalene	0.0500	0.0286	0.0329	57.2	65.8	33.0-120			14.0	24
2-Methylnaphthalene	0.0500	0.0295	0.0340	59.0	68.0	33.0-120			14.2	25
Naphthalene	0.0500	0.0252	0.0289	50.4	57.8	27.0-120			13.7	27
Nitrobenzene	0.0500	0.0244	0.0282	48.8	56.4	27.0-120			14.4	29
n-Nitrosodiphenylamine	0.0500	0.0275	0.0324	55.0	64.8	47.0-120			16.4	20
n-Nitrosodi-n-propylamine	0.0500	0.0269	0.0326	53.8	65.2	31.0-120			19.2	28

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4130905-1 10/07/24 12:19 • (LCSD) R4130905-2 10/07/24 12:40

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Phenanthrene	0.0500	0.0285	0.0333	57.0	66.6	46.0-120			15.5	20
Benzylbutyl phthalate	0.0500	0.0302	0.0350	60.4	70.0	43.0-121			14.7	20
Bis(2-ethylhexyl)phthalate	0.0500	0.0303	0.0353	60.6	70.6	43.0-122			15.2	20
Di-n-butyl phthalate	0.0500	0.0320	0.0369	64.0	73.8	49.0-121			14.2	20
Diethyl phthalate	0.0500	0.0324	0.0379	64.8	75.8	48.0-122			15.6	20
Dimethyl phthalate	0.0500	0.0316	0.0369	63.2	73.8	48.0-120			15.5	20
Di-n-octyl phthalate	0.0500	0.0301	0.0350	60.2	70.0	42.0-125			15.1	20
Pyrene	0.0500	0.0293	0.0337	58.6	67.4	47.0-120			14.0	20
1,2,4-Trichlorobenzene	0.0500	0.0270	0.0310	54.0	62.0	24.0-120			13.8	29
4-Chloro-3-methylphenol	0.0500	0.0277	0.0325	55.4	65.0	40.0-120			15.9	21
2-Chlorophenol	0.0500	0.0256	0.0301	51.2	60.2	25.0-120			16.2	35
2,4-Dichlorophenol	0.0500	0.0301	0.0348	60.2	69.6	36.0-120			14.5	26
2,4-Dimethylphenol	0.0500	0.0253	0.0298	50.6	59.6	33.0-120			16.3	26
4,6-Dinitro-2-methylphenol	0.0500	0.0352	0.0408	70.4	81.6	38.0-138			14.7	25
2,4-Dinitrophenol	0.0500	0.0326	0.0408	65.2	81.6	10.0-120			22.3	39
2-Nitrophenol	0.0500	0.0301	0.0348	60.2	69.6	31.0-120			14.5	29
2-Nitroaniline	0.0500	0.0317	0.0382	63.4	76.4	43.0-120			18.6	22
2-Methylphenol	0.0500	0.0235	0.0276	47.0	55.2	28.0-120			16.0	29
3&4-Methyl Phenol	0.0500	0.0246	0.0293	49.2	58.6	31.0-120			17.4	30
3-Nitroaniline	0.0500	0.0298	0.0357	59.6	71.4	38.0-120			18.0	21
4-Chloroaniline	0.0500	0.0206	0.0253	41.2	50.6	25.0-120			20.5	25
4-Nitroaniline	0.0500	0.0330	0.0399	66.0	79.8	18.0-160			18.9	21
4-Nitrophenol	0.0500	0.0137	0.0169	27.4	33.8	10.0-120			20.9	33
Pentachlorophenol	0.0500	0.0312	0.0379	62.4	75.8	23.0-120			19.4	25
Phenol	0.0500	0.0112	0.0134	22.4	26.8	10.0-120			17.9	36
2,4,5-Trichlorophenol	0.0500	0.0337	0.0398	67.4	79.6	44.0-120			16.6	22
2,4,6-Trichlorophenol	0.0500	0.0323	0.0382	64.6	76.4	42.0-120			16.7	23
(S) 2-Fluorophenol				*32.8*	*38.6*	*10.0-120*				
(S) Phenol-d5				*21.8*	*25.5*	*10.0-120*				
(S) Nitrobenzene-d5				*40.9*	*48.5*	*10.0-127*				
(S) 2-Fluorobiphenyl				*55.4*	*64.2*	*10.0-130*				
(S) 2,4,6-Tribromophenol				*70.0*	*82.0*	*10.0-155*				
(S) p-Terphenyl-d14				*60.7*	*71.1*	*10.0-128*				

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
C4	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Data is likely to show a low bias concerning the result.
C6	The initial calibration verification standard (SSCV) associated with this data responded low.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.

Qualifier	Description
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.
Q	Sample was prepared and/or analyzed past holding time as defined in the method. Concentrations should be considered minimum values.
V	The sample concentration is too high to evaluate accurate spike recoveries.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Chain of Custody Page 1 of 22

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L784424

Table #

Acctnum: TRCATX

Template: T238053

Prelogin: P1098151

TSR: 526

PB:

Shipped Via: W 10/2/24

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: Julie Speer

Email To: jspeer@trccompanies.com

Project Description: Artesia Fall 2024

City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:

Client Project #

Lab Project # TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team

Site/Facility ID # (Navajo - Artesia)

P.O. #

Collected by (signature): Scott Ude

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Date Results Needed

Quote #

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
MW-76	Grab	GW		10/1/24	1155	7		x	x	x	x	x						-03
MW-75	Grab	GW		10/1/24	1245	7		x	x	x	x	x						-04
MW-83	Grab	GW		10/1/24	1325	7		x	x	x	x	x						-05
MW-3	Grab	GW		10/1/24	1400	7		x	x	x	x	x						-06
MW-88	Grab	GW		10/1/24	1440	5		x	x	x							No Cations	-07
MW-22A	Grab	GW				7		x	x	x	x	x						
MW-10	Grab	GW				7		x	x	x	x	x						
MW-123	Grab	GW				7		x	x	x	x	x						
MW-4A	Grab	GW		10/1/24	1105	7		x	x	x	x	x						-08
MW-5A	Grab	GW		10/1/24	820	7		x	x	x	x	x						-09

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Scott Ude	10/1/24	1900		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 10/2/24 Time: 9:00

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Chain of Custody Page 1 of 22

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Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L784264

Table #

Acctnum: TRCATX

Template: T238053

Prelogin: P1098151

TSR: 526

PB:

Shipped Via: HP 10/2/24

TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752	Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com
Report to: Julie Speer	Email To: jspeer@trccompanies.com
Project Description: Artesia Fall 2024	City/State Collected: Artesia, NM
Phone: 512-684-3170 Fax:	Client Project #
	Lab Project # TRCATX-ARTESIA
Collected by (print): Scott Ude/HMI Team	Site/Facility ID # (Navajo - Artesia)
	P.O. #
Collected by (signature): Scott Ude Immediately Packed on Ice N ___ Y ✓	Rush? (Lab MUST Be Notified) ___ Same Day ___ Five Day ___ Next Day ___ 5 Day (Rad Only) ___ Two Day ___ 10 Day (Rad Only) ___ Three Day Date Results Needed
	Quote #

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
MW-7A	Grab	GW		10/1/24	925	10	x	x	x	x	x	x						-10 -08
OCD-8A	Grab	GW		10/1/24	1015	8		x	x		x	x	x	x				-11 -09
DUP-EP-01	Grab	GW		10/1/24	1000	10	x	x	x	x	x	x						-12 -10
DUP-EP-02	Grab	GW				7		x	x	x	x	x						
DUP-EP-03	Grab	GW		10/1/24	1230	7		x	x	x	x	x						-23 -11
EB-EP-03	Grab	GW		10/1/24	835	7		x	x	x	x	x						-24 -12
TRIP BLANK-EP-02	Grab	GW		10/1/24	—	1	x											-25 -13

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier __ _____

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N

Relinquished by : (Signature) Scott Ude	Date: 10/1/24	Time: 1900	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Carl Burchfield	Date: 10/2/24 Time: 9:00

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK 0

Chain of Custody Page 5 of 22

Pace Analytical® National Center for Testing & Innovation
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# LT764614

Table #

Acctnum: TRCATX

Template: T238057

Prelogin: P1098152

TSR: 526

PB:

Shipped Via: HR 10/2/24

TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752	Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com
Report to: Julie Speer	Email To: jspeer@trccompanies.com
Project Description: Artesia Fall 2024	City/State Collected: Artesia, NM
Phone: 512-684-3170 Fax:	Client Project #
	Lab Project # TRCATX-ARTESIA
Collected by (print): Scott Ude/HMI Team	Site/Facility ID # (Navajo - Artesia)
Collected by (signature): Scott Ude Immediately Packed on Ice N ___ Y ✓	Rush? (Lab MUST Be Notified) ___ Same Day ___ Five Day ___ Next Day ___ 5 Day (Rad Only) ___ Two Day ___ 10 Day (Rad Only) ___ Three Day Date Results Needed
	P.O. #
	Quote #

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
OCD-1R	Grab	GW		10/1/24	1440	7		x	x	x	x	x						-26 -14
OCD-2A	Grab	GW		10/1/24	1405	5		x	x	x							No Cations	-27 -15
OCD-3	Grab	GW		10/1/24	1325	5		x	x	x							No Cations	-28 -16
OCD-4	Grab	GW		10/1/24	1215	5		x	x	x							No Cations	-29 -17
MW-11A	Grab	GW		10/1/24	1250	3				x	x	x					Only Cats.	-30 -18
OCD-5	Grab	GW		10/1/24	1135	7		x	x	x	x	x						-31 -19
MW-87	Grab	GW		10/1/24	820	5		x	x	x							No Cations	-32 -20
MW-18A	Grab	GW		10/1/24	1045	6		x			x	x	x	x				-33 -21
MW-70	Grab	GW		10/1/24	1000	5		x	x	x							No Cations	-34 -22
MW-124	Grab	GW		10/1/24	910	7		x	x	x	x	x						-35 -23

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier __ _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by : (Signature) Scott Ude	Date: 10/1/24	Time: 1900	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 10/2/24 Time: 9:00 Hold: Condition: NCF / OK

Chain of Custody Page 6 of 22

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L1784264

Table #

Acctnum: TRCATX

Template: T238057

Prelogin: P1098152

TSR: 526

PB:

Shipped Via:

TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752	Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com	Pres Chk
Report to: Julie Speer	Email To: jspeer@trccompanies.com	
Project Description: Artesia Fall 2024	City/State Collected: Artesia, NM	
Phone: 512-684-3170 Fax:	Client Project #	Lab Project # TRCATX-ARTESIA
Collected by (print): Scott Ude/HMI Team	Site/Facility ID # (Navajo - Artesia)	P.O. #
Collected by (signature): Scott Ude Immediately Packed on Ice N ___ Y V	Rush? (Lab MUST Be Notified) ___ Same Day ___ Five Day ___ Next Day ___ 5 Day (Rad Only) ___ Two Day ___ 10 Day (Rad Only) ___ Three Day Date Results Needed	Quote #

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH	Diss. RO Metals-FF 250mlHDPE-HNO3	Remarks	Sample # (lab only)
MW-52	Grab	GW				11	x	x	x		x	x	x	x			
MW-109	Grab	GW				10	x	x	x	x	x	x					
MW-110	Grab	GW				10	x	x	x	x	x	x					
MW-140	Grab	GW				4					x	x	x		x		
MW-141	Grab	GW				4					x	x	x		x		
EB-EP-02	Grab	GW		10/1/24	925	7		x	x	x	x	x					
TRIP BLANK-EP-03	Grab	GW		10/1/24	—	1	x										

HR 10/2/24
-36 -24
-37 -25

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:
RO Metals = As,B,Fe,Mn,U

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__UPS ✓FedEx __Courier __ _____

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y / N
COC Signed/Accurate:		Y / N
Bottles arrive intact:		Y / N
Correct bottles used:		Y / N
Sufficient volume sent:		Y / N
If Applicable		
VOA Zero Headspace:		Y / N
Preservation Correct/Checked:		Y / N

Relinquished by : (Signature) Scott Ude	Date: 10/1/24	Time: 1900	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Chad Beardfield	Date: 10/2/24 Time: 9:00

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Chain of Custody Page 7 of 22

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L784264

Table #

Acctnum: TRCATX

Template: T238067

Prelogin: P1098153

TSR: 526

PB:

Shipped Via:

TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752	Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com
Report to: Julie Speer	Email To: jspeer@trccompanies.com
Project Description: Artesia Fall 2024	City/State Collected: Artesia, NM
Phone: 512-684-3170 Fax:	Client Project #
Collected by (print): Scott Ude/HMI Team	Site/Facility ID # (Navajo - Artesia)
Collected by (signature): Scott Ude Immediately Packed on Ice N ___ Y ✓	Rush? (Lab MUST Be Notified) ___ Same Day ___ Five Day ___ Next Day ___ 5 Day (Rad Only) ___ Two Day ___ 10 Day (Rad Only) ___ Three Day Date Results Needed

Lab Project # TRCATX-ARTESIA

P.O. #

Quote #

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
MW-113	Grab	GW				10	x	x	x	x	x	x						
~~KWB-8~~	~~Grab~~	~~GW~~				9	x	x			x	x	x	x			LNAPL	
MW-133	Grab	GW				10	x	x	x	x	x	x						
MW-134	Grab	GW				10	x	x	x		x	x	x					HP 10/2/24
RA-4196R	Grab	GW		10/1/24	1400	6	x			x	x	x					Only Cats.	-38 -26
KWB-7	Grab	GW		10/1/24	955	9	x	x			x	x	x	x				-39 -27
NP-1	Grab	GW				3	x											
MW-21	Grab	GW				10	x	x	x	x	x	x						
MW-151	Grab	GW				7	x	x	x									
MW-152	Grab	GW				7	x	x	x									

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier __ _____

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N

Relinquished by : (Signature) Scott Ude	Date: 10/1/24	Time: 1900	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Sarah Burchfield	Date: 10/2/24 Time: 9:10 Hold: Condition: NCF / OK

Chain of Custody Page 8 of 22

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L1764264

Table #

Acctnum: TRCATX

Template: T238067

Prelogin: P1098153

TSR: 526

PB:

Shipped Via:

TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752	Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com	Pres Chk
Report to: Julie Speer	Email To: jspeer@trccompanies.com	
Project Description: Artesia Fall 2024	City/State Collected: Artesia, NM	
Phone: 512-684-3170 Fax:	Client Project #	Lab Project # TRCATX-ARTESIA
Collected by (print): Scott Ude/HMI Team	Site/Facility ID # (Navajo - Artesia)	P.O. #
Collected by (signature): Scott Ude Immediately Packed on Ice N___ Y ✓	Rush? (Lab MUST Be Notified) ___ Same Day ___ Five Day ___ Next Day ___ 5 Day (Rad Only) ___ Two Day ___ 10 Day (Rad Only) ___ Three Day Date Results Needed	Quote #

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH	Diss. RO Metals-FF 250mlHDPE-HNO3	Remarks	Sample # (lab only)
MW-153	Grab	GW				7	x	x	x								
MW-154	Grab	GW				7	x	x	x								
MW-155	Grab	GW				7	x	x	x								
MW-156	Grab	GW				7	x	x	x								
RA-10378	Grab	GW				3	x										
PWIRR	Grab	GW				3	x										HR 10/2/24
KWB-11A	Grab	GW		10/1/24	830	11	x	x	x		x	x	x	x			-40 -28
KWB-11B	Grab	GW		10/1/24	910	11	x	x	x		x	x	x	x			-29
MW-115	Grab	GW		10/1/24	1245	11	x	x	x		x	x	x		x		-30
MW-114	Grab	GW		10/1/24	1155	11	x	x	x		x	x	x		x		-31

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __ UPS ✓ FedEx __ Courier __ _____

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y / N
COC Signed/Accurate:		Y / N
Bottles arrive intact:		Y / N
Correct bottles used:		Y / N
Sufficient volume sent:		Y / N
If Applicable		
VOA Zero Headspace:		Y / N
Preservation Correct/Checked:		Y / N

Relinquished by : (Signature) Scott Ude	Date: 10/1/24	Time: 1900	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Laura C Burchfield	Date: 10/2/24 Time: 9:00	Hold: Condition: NCF / OK

Chain of Custody Page 9 of 22

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L1784204

Table #

Acctnum: TRCATX

Template: T238067

Prelogin: P1098153

TSR: 526

PB:

Shipped Via:

TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752	Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com
Report to: Julie Speer	Email To: jspeer@trccompanies.com
Project Description: Artesia Fall 2024	City/State Collected: Artesia, NM
Phone: 512-684-3170 Fax:	Client Project #
	Lab Project # TRCATX-ARTESIA
Collected by (print): Scott Ude/HMI Team	Site/Facility ID # (Navajo - Artesia)
	P.O. #
Collected by (signature): Scott Ude Immediately Packed on Ice N ___ Y ✓	Rush? (Lab MUST Be Notified) ___ Same Day ___ Five Day ___ Next Day ___ 5 Day (Rad Only) ___ Two Day ___ 10 Day (Rad Only) ___ Three Day Date Results Needed
	Quote #

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH	Diss. RO Metals-FF 250mlHDPE-HNO3	Remarks	Sample # (lab only)
MW-125	Grab	GW		10/1/24	1110	11	x	x	x		x	x	x		x		32
DUP-REST-01	Grab	GW				10	x	x	x	x	x	x					
EB-REST-01	Grab	GW				10	x	x	x	x	x	x					
DUP-REST-03	Grab	GW				10	x	x	x		x	x	x				
EB-REST-03	Grab	GW				10	x	x	x		x	x	x				
TRIP BLANK-REST-01	Grab	GW				1	x										
TRIP BLANK-TMD-01	Grab	GW				1	x										

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier __ _____

Tracking #

Sample Receipt Checklist:
COC Seal Present/Intact: __NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by : (Signature) Scott Ude	Date: 10/1/24	Time: 1900	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 10/2/24 Time: 9:10	Hold: Condition: NCF / OK

Chain of Custody — Page 10 of 22

Pace Analytical® — National Center for Testing & Innovation

12065 Lebanon Rd, Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L784264

Table #

Acctnum: TRCATX

Template: T238178

Prelogin: P1098154

TSR: 526

PB:

Shipped Via:

TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752	Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com
Report to: Julie Speer	Email To: jspeer@trccompanies.com
Project Description: Artesia Fall 2024	City/State Collected: Artesia, NM
Phone: 512-684-3170 Fax:	Client Project #
	Lab Project #: TRCATX-ARTESIA
Collected by (print): Scott Ude/HMI Team	Site/Facility ID #: (Navajo - Artesia)
Collected by (signature): Scott Ude	P.O. #
Immediately Packed on Ice N ___ Y ✓	Rush? (Lab MUST Be Notified) ___ Same Day ___ Five Day ___ Next Day ___ 5 Day (Rad Only) ___ Two Day ___ 10 Day (Rad Only) ___ Three Day Date Results Needed
	Quote #

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH	Diss. RO Metals-FF 250mlHDPE-HNO3	8270DIOXANE/SV8011	Remarks	Sample # (lab only)
MW-117	Grab	GW		10/1/24	1105	11	x	x	x		x	x	x		x			-33
MW-118	Grab	GW		10/1/24	1015	11	x	x	x		x	x	x		x			-34
MW-119	Grab	GW		10/1/24	925	11	x	x	x		x	x	x		x			-35
MW-136	Grab	GW		10/1/24	910	11	x	x	x		x	x	x	x				-36
~~MW-126A~~	~~Grab~~	~~GW~~				10	x	x	x	x	x	x					LNAPL	
MW-126B	Grab	GW		10/1/24	1235	10	x	x	x	x	x	x						-37
MW-160	Grab	GW				7	x	x	x									
MW-161	Grab	GW		10/1/24	1410	7	x	x	x									-38
MW-162	Grab	GW		10/1/24	1405	4				x	x	x			x		Cation only	-39
~~MW-127~~	~~Grab~~	~~GW~~				15	x	x	x	x	x	x				x	LNAPL	

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __ UPS ✓ FedEx __ Courier __ _____

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y / N
COC Signed/Accurate:		Y / N
Bottles arrive intact:		Y / N
Correct bottles used:		Y / N
Sufficient volume sent:		Y / N
If Applicable		
VOA Zero Headspace:		Y / N
Preservation Correct/Checked:		Y / N

Relinquished by: (Signature) Scott Ude	Date: 10/1/24 ~~1400~~ CT	Time: 1900	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) Paul Burchfield	Date: 10/2/24 Time: 9:00

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Chain of Custody Page 11 of 22

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L1784264

Table #

Acctnum: TRCATX

Template: T238178

Prelogin: P1098154

TSR: 526

PB:

Shipped Via:

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: Julie Speer

Email To: jspeer@trccompanies.com

Project Description: Artesia Fall 2024

City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:

Client Project #

Lab Project #
TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team

Site/Facility ID #
(Navajo - Artesia)

P.O. #

Collected by (signature): Scott Ude

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
KWB-1A	Grab	GW				9	x	x			x	x	x	x				
~~KWB-10R~~	~~Grab~~	~~GW~~				~~10~~	x	x		x	x	x				x	LNAPL	
~~MW-131~~	~~Grab~~	~~GW~~				~~10~~	x	x	x	x	x	x					LNAPL	
~~KWB-5~~	~~Grab~~	~~GW~~				~~8~~	x	x		x	x	x					LNAPL	
~~MW-111~~	~~Grab~~	~~GW~~				~~15~~	x	x	x	x	x	x			x	x	LNAPL	
~~KWB-6~~	~~Grab~~	~~GW~~				~~13~~	x	x		x	x	x			x	x	LNAPL	
~~MW-112~~	~~Grab~~	~~GW~~				~~10~~	x	x	x	x	x	x					LNAPL	
~~MW-132~~	~~Grab~~	~~GW~~				~~10~~	x	x	x	x	x	x					Obstruction	
~~MW-57~~	~~Grab~~	~~GW~~				~~10~~	x	x	x	x	x	x					LNAPL	
KWB-12A	Grab	GW		10/1/24	1325	11	x	x	x		x	x	x	x				40

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier __ _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Scott Ude	10/1/24	1900		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: / If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 10/2/24 Time: 9:00 / Hold: / Condition: NCF / OK
			Laura Beanfield	

Chain of Custody — Page 12 of 22

Pace Analytical® — National Center for Testing & Innovation

12065 Lebanon Rd, Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L784264

Table #

Acctnum: TRCATX

Template: T238178

Prelogin: P1098154

TSR: 526

PB:

Shipped Via:

Remarks | Sample # (lab only)

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: Julie Speer

Email To: jspeer@trccompanies.com

Project Description: Artesia Fall 2024

City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:

Client Project #

Lab Project #: TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team

Site/Facility ID #: (Navajo - Artesia)

P.O. #

Collected by (signature): Scott Ude

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH	Diss. RO Metals-FF 250mlHDPE-HNO3	Cations 250mlHDPE-HNO3	Remarks	Sample # (lab only)
KWB-12B	Grab	GW				11	x	x	x		x	x	x	x				
~~KWB-2R~~	~~Grab~~	~~GW~~				~~8~~	~~x~~	~~x~~		~~x~~	~~x~~	~~x~~					LNAPL	
~~MW-58~~	~~Grab~~	~~GW~~				~~9~~	~~x~~	~~x~~			~~x~~	~~x~~	~~x~~	~~x~~			LNAPL	
MW-149	Grab	GW		10/1/24	1145	8	x	x		x	x	x						-41
MW-150	Grab	GW		10/1/24	1055	8	x	x		x	x	x						-42
MW-142	Grab	GW		10/1/24	1050	4					x	x	x		x			-43
MW-143	Grab	GW		10/1/24	1010	4					x	x	x		x			-44
MW-163	Grab	GW		10/1/24	1000	4					x	x			x	x		-45
DUP-REST-05	Grab	GW				11	x	x	x		x	x	x	x				
EB-REST-05	Grab	GW				11	x	x	x		x	x	x	x				

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier __ _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP __Y __N
COC Signed/Accurate: __Y __N
Bottles arrive intact: __Y __N
Correct bottles used: __Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
Scott Ude	10/1/24	1900			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Laura Bradfield	Date: 10/2/24 Time: 9:10	Hold: Condition: NCF / OK

Chain of Custody Page 13 of 22

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L1984264

Table #

Acctnum: TRCATX

Template: T238178

Prelogin: P1098154

TSR: 526

PB:

Shipped Via:

Remarks	Sample # (lab only)

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: Julie Speer

Email To: jspeer@trccompanies.com

Project Description: Artesia Fall 2024

City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:

Client Project #

Lab Project #
TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team

Site/Facility ID #
(Navajo - Artesia)

P.O. #

Collected by (signature): Scott Ude

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH	Diss. RO Metals-FF 250mlHDPE-HNO3	Cations 250mlHDPE-HNO3
TRIP BLANK-REST-02	Grab	GW				1	x									

Analysis / Container / Preservative

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier __ _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP ✓ N
COC Signed/Accurate: ✓ N
Bottles arrive intact: ✓ N
Correct bottles used: ✓ N
Sufficient volume sent: ✓ N
If Applicable
VOA Zero Headspace: ✓ N
Preservation Correct/Checked: ✓ N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
Scott Ude	10/1/24	1900			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 10/2/24 Time: 910	Hold: Condition: NCF / OK

Chain of Custody Page 14 of 22

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859

L# L1584264

Table #

Acctnum: TRCATX

Template: T238183

Prelogin: P1098155

TSR: 526

PB:

Shipped Via:

TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752	Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com
Report to: Julie Speer	Email To: jspeer@trccompanies.com
Project Description: Artesia Fall 2024	City/State Collected: Artesia, NM
Phone: 512-684-3170 Fax:	Client Project # Lab Project #: TRCATX-ARTESIA
Collected by (print): Scott Ude/HMI Team	Site/Facility ID #: (Navajo - Artesia) P.O. #
Collected by (signature): Scott Ude Immediately Packed on Ice N ___ Y ✓	Rush? (Lab MUST Be Notified) ___ Same Day ___ Five Day ___ Next Day ___ 5 Day (Rad Only) ___ Two Day ___ 10 Day (Rad Only) ___ Three Day Quote # Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH	Diss. RO Metals-FF250mlHDPE-HNO3	8270DIOXANE / EDB SV8011	Remarks	Sample # (lab only)
MW-104	Grab	GW				10	x	x	x	x	x	x						
MW-64	Grab	GW				10	x	x	x	x	x	x						
~~MW-65~~	~~Grab~~	~~GW~~				~~10~~	x	x	x	x	x	x					LNAPL	
MW-102	Grab	GW				10	x	x	x	x	x	x						
~~MW-99~~	~~Grab~~	~~GW~~				10	x	x	x	x	x	x					LNAPL	
~~MW-66~~	~~Grab~~	~~GW~~				11	x	x	x		x	x	x	x			LNAPL	
~~MW-28~~	~~Grab~~	~~GW~~				13	x	x	x		x	x	x	x		x	No EDB LNAPL	
~~MW-69~~	~~Grab~~	~~GW~~				16	x	x	x		x	x	x	x		x	LNAPL	
~~MW-128~~	~~Grab~~	~~GW~~				12	x	x	x	x	x	x				x	No EDB unable to locate	
MW-116	Grab	GW				11	x	x	x		x	x	x		x			

* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Biossay WW - WasteWater DW - Drinking Water OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __ UPS ✓ FedEx __ Courier __ _____

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y / N
COC Signed/Accurate:		Y / N
Bottles arrive intact:		Y / N
Correct bottles used:		Y / N
Sufficient volume sent:		Y / N
If Applicable		
VOA Zero Headspace:		Y / N
Preservation Correct/Checked:		Y / N

Relinquished by: (Signature) Scott Ude	Date: 10/1/24	Time: 1900	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: If preservation required by Login: Date/Time
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) Carol Bucknfield	Date: 10/2/24 Time: 9:00 Hold: Condition: NCF / OK

TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752	Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com
Report to: Julie Speer	Email To: jspeer@trccompanies.com
Project Description: Artesia Fall 2024	City/State Collected: Artesia, NM
Phone: 512-684-3170 Fax:	Client Project #	Lab Project #: TRCATX-ARTESIA
Collected by (print): Scott Ude/HMI Team	Site/Facility ID #: (Navajo - Artesia)	P.O. #
Collected by (signature): Scott Ude Immediately Packed on Ice N ___ Y ✓	Rush? (Lab MUST Be Notified) ___ Same Day ___ Five Day ___ Next Day ___ 5 Day (Rad Only) ___ Two Day ___ 10 Day (Rad Only) ___ Three Day Date Results Needed	Quote #

Pres Chk

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH	Cl, F, SO4 - 125mlHDPE-NoPres	Diss. RO Metals-FF 250mlHDPE-HNO3	Remarks	Sample # (lab only)
MW-46R	Grab	GW				8	x	x		x	x	x						
~~RW-18A~~	~~Grab~~	~~GW~~				4					x	x	x			x	Location Only	DRY
MW-144	Grab	GW		10/1/24	1020	4					x	x	x			x		-46
MW-145	Grab	GW		10/1/24	935	10	x	x	x	x	x				x			-47
MW-146	Grab	GW		10/1/24	820	10	x	x	x	x	x				x			-48
MW-135	Grab	GW		10/1/24	1240	10	x	x	x	x	x	x						-49
MW-147	Grab	GW		10/1/24	1155	10	x	x	x	x	x				x			-50
MW-148	Grab	GW		10/1/24	1105	10	x	x	x	x	x				x			-51
DUP-REST-02	Grab	GW				10	x	x	x	x	x	x						
EB-REST-02	Grab	GW				10	x	x	x	x	x	x						

Pace Analytical*
National Center for Testing & Innovation
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L1764264

Table #

Acctnum: TRCATX

Template: T238183

Prelogin: P1098155

TSR: 526

PB:

Shipped Via:

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:

pH ____ Temp ____

Flow ____ Other ____

Samples returned via: __UPS ✓FedEx __Courier __ ____

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y / N
COC Signed/Accurate:		Y / N
Bottles arrive intact:		Y / N
Correct Bottles used:		Y / N
Sufficient volume sent:		Y / N
If Applicable		
VOA Zero Headspace:		Y / N
Preservation Correct/Checked:		Y / N

Relinquished by: (Signature) Scott Ude	Date: 10/1/24	Time: 1900	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature) Micol Burchfield 10/2/24 9:00	Temp: °C Bottles Received: If preservation required by Login: Date/Time

NCF

Chain of Custody — Page 16 of 22

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Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L1784264

Table #

Acctnum: TRCATX

Template: T238183

Prelogin: P1098155

TSR 526

PB:

Shipped Via:

TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752	Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com
Report to: Julie Speer	Email To: jspeer@trccompanies.com
Project Description: Artesia Fall 2024	City/State Collected: Artesia, NM
Phone: 512-684-3170 Fax:	Client Project # Lab Project #: TRCATX-ARTESIA
Collected by (print): Scott Ude/HMI Team	Site/Facility ID #: (Navajo - Artesia) P.O. #
Collected by (signature): Scott Ude Immediately Packed on Ice N ___ Y ✓	Rush? (Lab MUST Be Notified) ___ Same Day ___ Five Day ___ Next Day ___ 5 Day (Rad Only) ___ Two Day ___ 10 Day (Rad Only) ___ Three Day Quote # Date Results Needed

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No of Cntrs	V8260DXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH	Cl, F, SO4 - 125mlHDPE-NoPres	Remarks	Sample # (lab only)
DUP-REST-04	Grab	GW		10/1/24	900	10	x	x	x	x	x				x		52
EB-REST-04	Grab	GW		10/1/24	830	10	x	x	x	x	x				x		-53
TRIP BLANK-REST-03	Grab	GW				1	x										

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __ UPS ✓ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N

Relinquished by: (Signature)	Scott Ude	Date: 10/1/24	Time: 1900	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Relinquished by: (Signature)		Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received
Relinquished by: (Signature)		Date:	Time:	Received for lab by: (Signature) Carol Bradford	Date: 10/2/24 Time: 9:40

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752	Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com
Report to: Julie Speer	Email To: jspeer@trccompanies.com
Project Description: Artesia Fall 2024	City/State Collected: Artesia, NM
Phone: 512-684-3170 Fax:	Client Project # Lab Project #: TRCATX-ARTESIA
Collected by (print): Scott Ude/HMI Team	Site/Facility ID #: (Navajo - Artesia) P.O. #
Collected by (signature): Scott Ude Immediately Packed on Ice N ___ Y ✓	Rush? (Lab MUST Be Notified) ___ Same Day ___ Five Day ___ Next Day ___ 5 Day (Rad Only) ___ Two Day ___ 10 Day (Rad Only) ___ Three Day Date Results Needed Quote #

Pres Chk

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH	8270DIOXANE-100ml Amb-NoPres	SVOCs - 100ml Amb-NoPres	Remarks	Sample # (lab only)
MW-101	Grab	GW		10/1/24	1040	10	x	x	x	x	x	x						-54
MW-105	Grab	GW		10/1/24	1230	10	x	x	x	x	x	x						-55
MW-61	Grab	GW		10/1/24	1205	12	x	x	x	x	x	x				x		-56
~~MW-62~~	~~Grab~~	~~GW~~				12	x	x	x	x	x	x				x	LNAPL	
MW-93	Grab	GW				2									x			
MW-43	Grab	GW				15	x	x	x		x	x	x	x	x	x		
MW-137	Grab	GW				13	x	x	x		x	x	x	x		x		
MW-138	Grab	GW				15	x	x	x		x	x	x	x	x	x		
MW-23	Grab	GW				14	x	x	x	x	x	x			x	x		
TEL-4	Grab	GW		10/1/24	935	10	x	x	x	x	x	x						-57

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via: __UPS ✓FedEx __Courier

Tracking #

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
Scott Ude	10/1/24	1900	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp °C Bottles Received:

If preservation required by Login: Date/Time

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Pace Analytical
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L1784264
Table #
Acctnum: TRCATX
Template: T238187
Prelogin: P1099962
TSR: 526
PB:
Shipped Via:

Lab Burchfield 10/2/24 9:00

NCF

Chain of Custody — Page 10 of 22

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L# L1764264

Table #

Acctnum: TRCATX

Template: T238187

Prelogin: P1099962

TSR: 526

PB:

Shipped Via:

Company / Address	Billing Information	Pres Chk
TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752	Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com	

Report to:	Email To:
Julie Speer	jspeer@trccompanies.com

Project Description	City/State Collected
Artesia Fall 2024	Artesia, NM

Phone / Fax	Client Project #	Lab Project #
Phone: 512-684-3170 Fax:		TRCATX-ARTESIA

Collected by (print)	Site/Facility ID #	P.O. #
Scott Ude/HMI Team	(Navajo - Artesia)	

Collected by (signature)	Rush? (Lab MUST Be Notified)	Quote #
Scott Ude Immediately Packed on Ice: N ___ Y ✓	___ Same Day ___ Five Day ___ Next Day ___ 5 Day (Rad Only) ___ Two Day ___ 10 Day (Rad Only) ___ Three Day	Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260CXY - 40mlAmb HCl	DROLVI - 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH	8270DIOXANE-100ml Amb-NoPres	Diss. RO Metals-FF 250mlHDPE-HNO3	Remarks	Sample # (lab only)
~~TEL-3~~	Grab	GW				10	x*	x*	x*	x*	x*	x*					LNAPL	
~~TEL-2~~	Grab	GW				10	x*	x*	x*	x*	x*	x*					LNAPL	
~~TEL-1~~	Grab	GW				10	x*	x*	x*	x*	x*	x*					LNAPL	
~~MW-39~~	Grab	GW				12	x*	x*	x*	x*	x*	x*			x*		LNAPL	
MW-98	Grab	GW		10/1/24	825	10	x*	x*	x*	x*	x*	x*						-58
~~RW-10~~	Grab	GW				2									x*		LNAPL	
MW-40	Grab	GW				6				x*	x*	x*			x*	x*	Cation only	
~~MW-29~~	Grab	GW				11	x*	x*	x*		x*	x*	x*			x*	LNAPL	
MW-56	Grab	GW		10/1/24	955	4				x*	x*	x*				x*	Cation only	-59
MW-49	Grab	GW		10/1/24	1310	11	x*	x*	x*		x*	x*	x*	x*				-60

* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other _____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __UPS ✓FedEx __Courier _____

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Scott Ude	10/1/24	1900		
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:
				If preservation required by Login: Date/Time
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 10/2/24 Time: 9:00
				Hold:

Condition: NCF / OK

Chain of Custody — Page 1 of 4

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Phone: 800-767-5859
Fax: 615-758-5859

L# L1564264

Table #

Acctnum: TRCATX

Template: T238187

Prelogin: P1099962

TSR: 526

PB:

Shipped Via:

Remarks | Sample # (lab only)

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: Julie Speer

Email To: jspeer@trccompanies.com

Project Description: Artesia Fall 2024

City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:

Client Project #

Lab Project #: TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team

Site/Facility ID #: (Navajo - Artesia)

P.O. #

Collected by (signature): Scott Ude

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI - 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH	8270DIOXANE - 100ml Amb-NoPres	SVOCs -100ml Amb-NoPres	Remarks	Sample # (lab only)
MW-106	Grab	GW				10	x	x	x	x	x	x						
MW-45	Grab	GW		10/1/24	1140	9	x	x			x	x	x	x				-61
MW-157	Grab	GW				7	x	x	x									
MW-158	Grab	GW				7	x	x	x									
MW-159	Grab	GW				7	x	x	x									
DUP-TEL-01	Grab	GW		10/1/24	1000	10	x	x	x	x	x	x						-62
EB-TEL-01	Grab	GW		10/1/24	950	10	x	x	x	x	x	x						-63
TRIP BLANK-REST-04	Grab	GW		10/1/24	—	1	x											-64
TRIP BLANK-TEL-01	Grab	GW		10/1/24	—	1	x											-65

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:

pH ____ Temp ____

Flow ____ Other ____

Samples returned via:
__ UPS ✓ FedEx __ Courier

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Scott Ude	10/1/24	1400		
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:
			Carol Berthfield	10/1/24 9:10

If preservation required by Login: Date/Time

Hold

Condition: (lab use only)

Chain of Custody Page 20 of 22

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National Center for Testing & Innovation

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Phone: 800-767-5859
Fax: 615-758-5859

L# L784264

Table #

Acctnum: TRCATX

Template: T238189

Prelogin: P1100004

TSR: 526

PB:

Shipped Via:

Remarks	Sample # (lab only)

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Pres Chk

Report to: Julie Speer

Email To: jspeer@trccompanies.com

Project Description: Artesia Fall 2024

City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:

Client Project #

Lab Project #
TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team

Site/Facility ID #: (Navajo - Artesia)

P.O. #

Collected by (signature): Scott Ude
Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH	8270DIOXANE-100mlAmb-NoPres	SVOCs-100mlAmb-NoPres	Remarks	Sample # (lab only)
MW-139	Grab	GW		10/1/24	1000	10	x	x	x	x	x	x						-166
MW-50	Grab	GW		10/1/24	1255	8	x	x		x	x	x						-167
~~MW-97~~	~~Grab~~	~~GW~~				12	x	x	x	x	x	x				x	unable to locate/covered by gravel	
~~MW-92~~	~~Grab~~	~~GW~~				12	x	x	x	x	x	x			x		LNAPL	
~~MW-91~~	~~Grab~~	~~GW~~				12	x	x	x	x	x	x			x		LNAPL	
MW-90	Grab	GW		10/1/24	1215	10	x	x	x	x	x	x						-168
MW-96	Grab	GW		10/1/24	855	10	x	x	x	x	x	x						-169
~~MW-94~~	~~Grab~~	~~GW~~				12	x	x	x	x	x	x			x		DRY	
~~MW-67~~	~~Grab~~	~~GW~~				13	x	x	x		x	x	x	x	x		LNAPL	
~~NCL-34A~~	~~Grab~~	~~GW~~				8	x	x		x	x	x					LNAPL	

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:

pH ____ Temp ____

Flow ____ Other ____

Samples returned via: __UPS ✓FedEx __Courier __ ____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Scott Ude	10/1/24	1900		
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:
				If preservation required by Login: Date/Time
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:
			Carol Burchfield	10/2/24 9:10

Hold: Condition: NCF / OK

| | | |

| | | |

Chain of Custody Page 1 of 22

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Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L784264
K080

Acctnum: TRCATX
Template: T238036
Prelogin: P1098150
TSR: 526
PB:
Shipped Via:

Company Info	Billing Information	Pres Chk
TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752	Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com	

Report to:	Email To:
Julie Speer	jspeer@trccompanies.com

Project Description:	City/State Collected:
Artesia Fall 2024	Artesia, NM

Phone: / Fax:	Client Project #	Lab Project #
512-684-3170		TRCATX-ARTESIA

Collected by (print):	Site/Facility ID #	P.O. #
Scott Ude/HMI Team	(Navajo - Artesia)	

Collected by (signature): Scott Ude
Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified) ___ Same Day ___ Five Day ___ Next Day ___ 5 Day (Rad Only) ___ Two Day ___ 10 Day (Rad Only) ___ Three Day
Date Results Needed

Quote #

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
~~MW-85~~	~~Grab~~	~~GW~~				~~10~~	x	x	x	x	x	x					LNAPL	
~~MW-86~~	~~Grab~~	~~GW~~				~~11~~	x	x	x		x	x	x	x			LNAPL	HR 10/2/24
MW-120	Grab	GW		10/1/24	825	10	x	x	x	x	x	x						-01 -79
MW-121	Grab	GW		10/1/24	910	7		x	x	x	x	x						-02 -80
MW-84	Grab	GW		10/1/24	955	7		x	x	x	x	x						-03 -81
MW-122	Grab	GW		10/1/24	1140	7		x	x	x	x	x						-04 -82
MW-79	Grab	GW		10/1/24	1050	7		x	x	x	x	x						-05 -83
MW-74	Grab	GW		10/1/24	1435	7		x	x	x	x	x						-06 -84
MW-2A	Grab	GW		10/1/24	1220	7		x	x	x	x	x						-07 -85
OCD-6	Grab	GW		10/1/24	1310	7		x	x	x	x	x						-08 -86

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:
Cations are being analyzed with Total Metals except where noted.*
FF = Field Filtered @ wells indicated (throughout program)

pH _____ Temp _____
Flow _____ Other _____

Samples returned via: ___ UPS ✓ FedEx ___ Courier ___ _____
Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Scott Ude	10/1/24	1900		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 10/2/24 Time: 9:00

If preservation required by Login: Date/Time
PH - 10BDH5021
TRC - 3327A228

Hold: Condition: NCF / OK

Chain of Custody Page 2 of 22

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L1784264

Table #

Acctnum: TRCATX

Template: T238036

Prelogin: P1098150

TSR: 526

PB:

Shipped Via: FedEx 10/2/24

TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752	Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com
Report to: Julie Speer	Email To: jspeer@trccompanies.com
Project Description: Artesia Fall 2024	City/State Collected: Artesia, NM
Phone: 512-684-3170 Fax:	Client Project # Lab Project # TRCATX-ARTESIA
Collected by (print): Scott Ude/HMI Team	Site/Facility ID # (Navajo - Artesia) P.O. #
Collected by (signature): Scott Ude Immediately Packed on Ice N ___ Y ✓	Rush? (Lab MUST Be Notified) ___ Same Day ___ Five Day ___ Next Day ___ 5 Day (Rad Only) ___ Two Day ___ 10 Day (Rad Only) ___ Three Day Date Results Needed Quote #

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
OCD-7AR	Grab	GW		10/1/24	1350	7		x	x	x	x	x						-09 -87
MW-48	Grab	GW				10	x	x	x	x	x	x						
MW-130	Grab	GW				10	x	x	x	x	x	x						
KWB-4	Grab	GW				8	x	x		x	x	x						
EB-EP-01	Grab	GW		10/1/24	1450	7		x	x	x	x	x						-10 -88
EB-EP-04	Grab	GW		10/1/24	1105	7		x	x	x	x	x						-11 -89
TRIP BLANK-EP-01	Grab	GW		10/1/24	—	1	x											-12 -90

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:

pH ___ Temp ___
Flow ___ Other ___

Samples returned via: __ UPS ✓ FedEx __ Courier __ ___
Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by: (Signature) Scott Ude	Date: 10/1/24	Time: 1900	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) Sarah Burkfield	Date: 10/2/24 Time: 9:10

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

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LT784264

Tracking Numbers	Temperature
6337 2236 2763	0.7+0.3=1.0 MS AQ
6643 4304 7393	4.5+0.3=4.8 MS AQ
7320 9666 1878	4.9+0.3=5.2 MS AQ
7019 5688 7990	3.6+0.3=3.9 MS AQ
6357 9918 9871	0.5+0.3=0.8 MS AQ
6357 9918 8408	1.1+0.3=1.4 MS AQ
6337 2236 4413	1.9+0.3=2.2 MS AQ
6643 4304 7603	4.2+0.3=4.5 MS AQ
	0.7+0.3=1.0 MS AQ
6643 4304 7614	2.5+0.3=2.8 MS AQ
6357 9918 0381	1.8+0.3=2.1 MS AQ
6357 9917 9837	1.8+0.3=2.1 MS AQ
7019 5687 9178	3.6+0.3=3.9 MS AQ
6337 2236 4398	1.7+0.3=2.0 MS AQ

Name

Date

Received by OCD: 6/12/2025 1:19:15 PM

Released to Imaging: 6/17/2025 4:41:11 PM

Page 1330 of 1686

10/2-NCF-L1784264 TRCATX

R5

Time estimate: oh **Time spent:** oh

Members

Hailey Robertson (responsible) Christopher McCord

Due on *5 October 2024 8:00 AM* for target *Done*

- [ ] Parameter(s) past holding time
- [ ] Temperature not in range
- [ ] Improper container type
- [ ] pH not in range
- [ ] Insufficient sample volume
- [ ] Sample is biphasic
- [ ] Vials received with headspace
- [x] Broken container
- [x] Sufficient sample remains
- [ ] If broken container: Insufficient packing material around container
- [ ] If broken container: Insufficient packing material inside cooler
- [ ] If broken container: Improper handling by carrier:_____
- [ ] If broken container: Sample was frozen
- [ ] If broken container: Container lid not intact
- [ ] Client informed by Call
- [ ] Client informed by Email
- [ ] Client informed by Voicemail
- [x] Date/Time: 10/02/24 17:10
- [x] PM initials: CM
- [ ] Client Contact:_____

Comments

Hailey Robertson *2 October 2024 3:47 PM*

1 DRO vial and 1 VOC vial received broken for ID: EB-NCL-01

Christopher McCord *2 October 2024 5:11 PM*

Sufficient sample remains. Run from intact vial.

Hailey Robertson *2 October 2024 5:31 PM*

Done

Received by OCD: 6/12/2025 1:19:15 PM

Released to Imaging: 6/17/2025 4:41:11 PM

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: Julie Speer
Email To: jspeer@trcompanies.com

Project Description: Artesia Fall 2024
City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:

Client Project #

Lab Project #: TRCATX-ARTESIA

Collected by (printed): Scott Ude/HMI Team

Site/Facility ID #: (Navajo - Artesia)

P.O. #

Collected by (signature):

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Immediately Packed on Ice: N ___ Y ✓

No. of Containers

Analysis / Container / Preservative

Chain of Custody Page 1 of 2

Pace Analytical

LL784264

Table #

Acctnum: TRCATX
Template: T238067
Prelogin: P1098153
TSR: 526
PB

Shipped Via

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Containers	VB/6OOXY - 40ml/Amb HCl	DROLVI- 40ml/Amb-HCl-BT	GRO - 40ml/Amb HCl	Total Short List Metals 250ml/HDPE-HNO3	TDS - 500ml/HDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125ml/HDPE-NoPres	Total Long List Metals 250ml/HDPE-HNO3	Cyanide - 250ml/HDPE/Amb-NaOH	EDB - 40ml/Cl-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
MW-113	Grab	GW		10/2/24	1045	10	x	x	x	x	x	x						-91
~~KWB-8~~	~~Grab~~	~~GW~~				9	x	x			x	x	x	x			L-AMPL	
~~MW-123~~	~~Grab~~	~~GW~~				10	x	x	x	x	x	x					L-AMPL	
MW-134	Grab	GW		10/2/24	955	10	x	x	x		x	x	x					-92
~~RA-4196R~~	~~Grab~~	~~GW~~				6	x			x	x	x					Only Cats...	
~~KWB-7~~	~~Grab~~	~~GW~~				9	x	x			x	x	x	x				
NP-1	Grab	GW		10/2/24	915	3	x											
MW-21 •	Grab	GW		10/2/24	1200	10	x	x	x	x	x	x						
MW-151 •	Grab	GW		10/2/24	1325	7	x	x	x									
MW-152 •	Grab	GW		10/2/24	1240	7	x	x	x									

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - Wastewater
DW - Drinking Water
OT - Other

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via: ___UPS ✓ FedEx ___Courier

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: ___ NP ___ Y ___ N
COC Signed/Accurate: ___ Y ___ N
Bottles Arrive Intact: ___ Y ___ N
Correct Bottles Used: ___ Y ___ N
Sufficient Volume Sent: ___ Y ___ N
If Applicable
VOA Zero Headspace: ___ Y ___ N
Preservation Correct/Checked: ___ Y ___ N

Relinquished by (Signature)	Date	Time	Received by (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR
Scott Ude	10/2/24	1400		
Relinquished by (Signature)	Date	Time	Received by (Signature)	Temp: °C Bottles Received:
Relinquished by (Signature)	Date	Time	Received for lab by (Signature)	If preservation required by Login: Date/Time
				Hold: Condition:

Date: 10-3-24 Time: 0900

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: Julie Speer
Email To: jspeer@trccompanies.com

Project Description: Artesia Fall 2024
City/State Collected: Artesia, NM

Phone: 512-684-3170
Client Project #:
Lab Project #: TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team
Site/Facility ID #: (Navajo - Artesia)
P.O. #:

Collected by (signature):
Immediately Packed on Ice N ___ Y ✓
Rush? (Lab MUST Be Notified): ___ Same Day ___ Five Day ___ Next Day ___ 5 Day (Rad Only) ___ Two Day ___ 10 Day (Rad Only) ___ Three Day
Quote #:
Date Results Needed:

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Tot # of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI - 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH	Diss. RO Metals-FF 250mlHDPE-HNO3		
~~MW-136~~	~~Grab~~	~~GW~~				16	x	x	x		x	x	x		x		
DUP-REST-01	Grab	GW		10/2/24	1200	10	x	x	x	x	x	x					-93
EB-REST-01	Grab	GW		10/2/24	1125	10	x	x	x	x	x	x					-94
DUP-REST-03	Grab	GW		10/2/24	935	10	x	x	x		x	x	x				
EB-REST-03	Grab	GW		10/2/24	915	10	x	x	x		x	x	x				-95
TRIP BLANK-REST-01	Grab	GW		10/2/24	—	1	x										
TRIP BLANK-TMD-01	Grab	GW		10/2/24	—	1	x										

Pace Analytical

Chain of Custody Page 1 of 2

Lab #:
Table #:
Acctnum: TRCATX
Template: T238067
Prelogin: P1098153
TSR: 526
PB:
Shipped Via:
Remarks | Sample # (lab only)

* Matrix
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - Wastewater
DW - Drinking Water
OT - Other

Remarks:
pH ___ Temp ___
Flow ___ Other ___

Samples returned via: ___ UPS ✓ FedEx ___ Courier ___
Tracking #:

Sample Receipt Checklist
COC Seal Present/Intact: ___NP ___Y ___N
COC Signed/Accurate: ___Y ___N
Bottles arrive intact: ___Y ___N
Correct bottles used: ___Y ___N
Sufficient volume sent: ___Y ___N
If Applicable
VOA Zero Headspace: ___Y ___N
Preservation Correct/Checked: ___Y ___N

Relinquished by (Signature)	Date	Time	Received by (Signature)	Trip Blank Received: Yes / No HCL / MeoH TSR
Scott Ude	10/2/24	1900		
Relinquished by (Signature)	Date	Time	Received by (Signature)	Temp: °C Bottles Received:
				If preservation required by Login: Date/Time
Relinquished by (Signature)	Date	Time	Received for lab by (Signature)	Hold: Condition:
				Date: 10-3-24 Time: 0900

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: Julie Speer
Email To: jspeer@trcompanies.com

Project Description: Artesia Fall 2024
City/State Collected: Artesia, NM

Phone: 512-684-3170
Client Project #
Lab Project #: TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team
Site/Facility ID #: (Navajo - Artesia)
P.O. #

Collected by (signature):
Immediately Packed on Ice: N ___ Y ✓
Rush? (Lab MUST Be Notified): ___ Same Day ___ Five Day ___ Next Day ___ 5 Day (Rad Only) ___ Two Day ___ 10 Day (Rad Only) ___ Three Day
Date Results Needed:
Quote #

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 1 of 1

Pace Analytical

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI - 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH	Diss. RO Metals-FF250mlHDPE-HNO3	8270DIOXANE / EDB SV8011	Remarks	Sample # (lab only)
MW-104	Grab	GW		10/2/24	900	10	x	x	x	x	x	x						-96
MW-64	Grab	GW		10/2/24	815	10	x	x	x	x	x	x						-97
~~MW-65~~	~~Grab~~	~~GW~~				10	x	x	x	x	x	x					LNAPL	
MW-102	Grab	GW		10/2/24	955	10	x	x	x	x	x	x						-98
~~MW-99~~	~~Grab~~	~~GW~~				10	x	x	x	x	x	x					LNAPL	
~~MW-66~~	~~Grab~~	~~GW~~				11	x	x	x		x	x	x	x			LNAPL	
~~MW-28~~	~~Grab~~	~~GW~~				13	x	x	x		x	x	x	x		x	No EDB LNAPL	
~~MW-60~~	~~Grab~~	~~GW~~				16	x	x	x		x	x	x	x		x	LNAPL	
~~MW-128~~	~~Grab~~	~~GW~~				12	x	x	x	x	x	x				x	No EDB	
MW-116	Grab	GW		10/2/24	1125	11	x	x	x		x	x	x		x			-99

L #
Table #
Acctnum: TRCATX
Template: T238183
Prelogin: P1098155
TSR: 526
PB
Shipped Via

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - Wastewater
DW - Drinking Water
OT - Other

Remarks:
pH ____ Temp ____
Flow ____ Other ____

Samples returned via: ___UPS ✓Fedex ___Courier ____
Tracking #

Sample Receipt Checklist
COC Seals Present/Intact: ___Y ___N
COC Signed/Accurate: ___Y ___N
Bottles arrive intact: ___Y ___N
Correct bottles used: ___Y ___N
Sufficient volume sent: ___Y ___N
If Applicable
VOA Zero Headspace: ___Y ___N
Preservation Correct/Checked: ___Y ___N

Relinquished by (Signature)	Date	Time	Received by (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Scott Ude	10/2/24	1900		
Relinquished by (Signature)	Date	Time	Received by (Signature)	Temp: °C Bottles Received
Relinquished by (Signature)	Date	Time	Received for lab (Signature)	If preservation required by Login: Date/Time
				10-3-24 0900

Hold | Condition

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: Julie Speer
Email To: jspeer@trcompanies.com
Project Description: Artesia Fall 2024
City/State Collected: Artesia, NM
Phone: 512-684-3170
Client Project #
Lab Project #: TRCATX-ARTESIA
Collected by (print): Scott Ude/HMI Team
Site/Facility ID #: (Navajo - Artesia)
P.O. #
Collected by (signature): Scott Ude
Immediately Packed on Ice N ___ Y ✓
Rush? (Lab MUST Be Notified) ___ Same Day ___ Five Day ___ Next Day ___ 5 Day (Rad Only) ___ Two Day ___ 10 Day (Rad Only) ___ Three Day
Quote #
Date Results Needed
No. of Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VB2600XY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH	Cl, F, SO4 - 125mlHDPE-NoPres	Diss. RO Metals-FF 250mlHDPE-HNO3	Remarks	Sample # (lab only)
MW-46R	Grab	GW		10/2/24	1230	8	x	x		x	x	x						-100
~~RW-#18A~~	~~Grab~~	~~GW~~				4					x	x	x			x	Gallon Only	DRY
~~MW-144~~	~~Grab~~	~~GW~~		~~10/1/24~~	~~1120~~	4					x	x	x			x		
~~MW-145~~	~~Grab~~	~~GW~~		~~10/1/24~~	~~1135~~	10	x	x	x	x	x				x			
~~MW-146~~	~~Grab~~	~~GW~~		~~10/1/24~~	~~0820~~	10	x	x	x	x	x				x			
~~MW-135~~	~~Grab~~	~~GW~~		~~10/1/24~~	~~1240~~	10	x	x	x	x	x	x						
~~MW-147~~	~~Grab~~	~~GW~~		~~10/1/24~~	~~1155~~	10	x	x	x	x	x				x			
~~MW-148~~	~~Grab~~	~~GW~~		~~10/1/24~~	~~1105~~	10	x	x	x	x	x				x			
DUP-REST-02	Grab	GW		10/2/24	1000	10	x	x	x	x	x	x						-101
EB-REST-02	Grab	GW		10/2/24	1015	10	x	x	x	x	x	x						-102

* Matrix: SS - Soil, AIR - Air, F - Filter, GW - Groundwater, B - Biosolids, WW - WasteWater, DW - Drinking Water, OT - Other

Remarks:

pH ____ Temp ____
Flow ____ Other ____

Samples returned via: ___ UPS ✓ FedEx ___ Courier ___
Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: ___Y ___N
COC Signed/Accurate: ___Y ___N
Bottles arrive intact: ___Y ___N
Correct bottles used: ___Y ___N
Sufficient volume sent: ___Y ___N
If Applicable
VOA Zero Headspace: ___Y ___N
Preservation Correct/Checked: ___Y ___N

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Scott Ude	10/2/24	1900		
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Temp: °C Bottles Received:
				If preservation required by Login: Date/Time
Relinquished by: (Signature)	Date	Time	Received for lab by: Jamcen	Date: 10-3-24 Time: 0900 Hold: Condition:

Pace Analytical
Mount Juliet, PA 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

LAB #
Table #
Acctnum: TRCATX
Template: T238183
Prelogin: P1098155
TSR: 526
PB:
Shipped Via:

RC Solutions - Austin, TX
05 E. Huntland Dr, Ste 250
Austin, TX 78752

Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

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Email To: jspeer@trccompanies.com

Project Description: Artesia Fall 2024
City/State Collected: Artesia, NM

Phone: 512-684-3170
Client Project #
Lab Project #: TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team
Site/Facility ID #: (Navajo - Artesia)
P.O. #

Collected by (signature): Scott Ude
Immediately Packed on Ice: N ___ Y ✓
Rush? (Lab MUST Be Notified): ___ Same Day ___ Five Day ___ Next Day ___ 5 Day (Rad Only) ___ Two Day ___ 10 Day (Rad Only) ___ Three Day
Date Results Needed
Quote #

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VB2600XY - 40mlAmb HCl	DROLVB- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPE Amb-NaOH	Cl, F, SO4 - 125mlHDPE-NoPres		
~~DUP-REST-04~~	~~Grab~~	~~GW~~		~~10/1/24~~	~~900~~	10	x	x	x	x	x				x		
~~EB-REST-04~~	~~Grab~~	~~GW~~		~~10/1/24~~	~~930~~	10	x	x	x	x	x				x		
TRIP BLANK-REST-03	Grab	GW		10/2/24	—	1	x										-103

Pace Analytical
Lab # L1784269
Table #
Acctnum: TRCATX
Template: T238183
Prelogin: P1098155
TSR: 526
PO:
Shipped Via:
Remarks | Sample # (lab only)

* Matrix: SS - Soil, AIR - Air, F - Filter, GW - Groundwater, B - Biosolids, WW - Wastewater, DW - Drinking Water, OT - Other

Remarks:
pH ____ Temp ____
Flow ____ Other ____

Samples returned via: ___ UPS ✓ FedEx ___ Courier ___
Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: ___NP ___Y ___N
COC Signed/Accurate: ___Y ___N
Bottles arrive intact: ___Y ___N
Correct bottles used: ___Y ___N
Sufficient volume sent: ___Y ___N
If Applicable
VOA Zero Headspace: ___Y ___N
Preservation Correct/Checked: ___Y ___N

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH
Scott Ude	10/2/24	1900		
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:
			Received for lab by: (Signature)	Date: Time:

If preservation required by Login: Date/Time
Hold: Condition:

K001

RC Solutions - Austin, TX
05 E. Huntland Dr, Ste 250
ustin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: ulie Speer
Email To: jspeer@trccompanies.com
Project Description: Artesia Fall 2024
City/State Collected: Artesia, NM
Phone: 512-684-3179
Client Project #
Lab Project #: TRCATX-ARTESIA
Collected by (print): icott Ude/HMI Team
Site/Facility ID #: (Navajo - Artesia)
P.O. #
Collected by (signature): Scott Ude
Immediately Packed on Ice: N ___ Y ✓
Rush? (Lab MUST Be Notified): ___ Same Day ___ Five Day ___ Next Day ___ 5 Day (Rad Only) ___ Two Day ___ 10 Day (Rad Only) ___ Three Day
Quote #
Date Results Needed
No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH	ED8 - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
~~MW-76~~	~~Grab~~	~~GW~~		~~10/1/24~~	~~1355~~	7		x	x	x	x	x						
~~MW-75~~	~~Grab~~	~~GW~~		~~10/1/24~~	~~1245~~	7		x	x	x	x	x						
~~MW-82~~	~~Grab~~	~~GW~~		~~10/1/24~~	~~1005~~	7		x	x	x	x	x						
~~MW-3~~	~~Grab~~	~~GW~~		~~10/1/24~~	~~1140~~	7		x	x	x	x	x						
~~MW-68~~	~~Grab~~	~~GW~~		~~10/1/24~~	~~1443~~	5		x	x	x							No Cations	
MW-22A ✓	Grab	GW		10/2/24	810	7		x	x	x	x	x						-106
MW-10 ✓	Grab	GW		10/2/24	905	7		x	x	x	x	x						-107
MW-123 ✓	Grab	GW		10/2/24	945	7		x	x	x	x	x						-108
~~MW-4A~~	~~Grab~~	~~GW~~		~~10/2/24~~	~~1105~~	7		x	x	x	x	x						
~~MW-5A~~	~~Grab~~	~~GW~~		~~10/1/24~~	~~930~~	7		x	x	x	x	x						

Pace Analytical
Lab: L1784264
Table #
Acctnum: TRCATX
Template: T238053
Prelogin: P1098151
TSR: 526
PB:
Shipped Via:

* Matrix: SS - Soil, AIR - Air, F - Filter, GW - Groundwater, B - Bioassay, WW - WasteWater, DW - Drinking Water, OT - Other

Remarks:
pH ____ Temp ____
Flow ____ Other ____

Samples returned via: ___ UPS ✓ FedEx ___ Courier ___ ____
Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: ___NP ___Y ___N
COC Signed/Accurate: ___Y ___N
Bottles arrive intact: ___Y ___N
Correct bottles used: ___Y ___N
Sufficient volume sent: ___Y ___N
If Applicable
VOA Zero Headspace: ___Y ___N
Preservation Correct/Checked: ___Y ___N

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Trip Blank Received: Yes / No, HCl / MeoH, TBR
Scott Ude	10/2/24	1900		
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 10-4-24 °C, Bottles Received: 0900

If preservation required by Login: Date/Time

Chain of Custody Page 1 of 2

Pace Analytical

Company: TRC Solutions - Austin, TX	Billing Information: Accounts Payable, 21 Griffin Road North, Windsor, CT 06095, apinvoiceapproval@trcsolutions.com
Address: 505 E. Huntland Dr, Ste 250, Austin, TX 78752	Pres Chk
Report to: Julie Speer	Email To: jspeer@trccompanies.com
Project Description: Artesia Fall 2024	City/State Collected: Artesia, NM
Phone: 512-684-3170 Fax	Client Project #
Collected by (print): Scott Ude/HMI Team	Site/Facility ID #: (Navajo - Artesia)
Collected by (signature): Scott Ude	Rush? (Lab MUST Be Notified): Same Day, Five Day, Next Day, 5 Day (Rad Only), Two Day, 10 Day (Rad Only), Three Day
Immediately Packed on Ice: N ___ Y ___	Date Results Needed
Lab Project #: TRCATX-ARTESIA	
P.O. #	
Quote #	

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260 60XY - 40ml Amb HCl	DRO LVI - 40ml Amb-HCl-BT	GRO - 40ml Amb HCl	Total Short List Metals 250ml HDPE-HNO3	EDS - 500ml HDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125ml HDPE-NoPres	Total Long List Metals 250ml HDPE-HNO3	Cyanide - 250ml HDPE Amb-NaOH	EDB - 40ml Clr-NaThio	8270D IOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
~~MW-7A~~	Grab	GW		10/1/24	0825	10	x	x	x	x	x	x						
~~QCD-6A~~	Grab	GW		10/1/24	1015	8		x	x		x	x	x	x				
~~DUP-EP-01~~	Grab	GW		10/1/24	1000	10	x	x	x	x	x	x						
DUP-EP-02 ✓	Grab	GW		10/2/24	1000	7		x	x	x	x	x						-109
~~DUP-EP-03~~	Grab	GW		10/1/24	1235	7		x	x	x	x	x						
~~EB-EP-03~~	Grab	GW		10/1/24	0825	7		x	x	x	x	x						
~~TRIP BLANK EP-02~~	Grab	GW		10/1/24	—	1	x											

* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other

Remarks:

pH ___ Temp ___ Flow ___ Other ___

Samples returned via: ___ UPS ✓ FedEx ___ Courier ___ Tracking #

Relinquished by (Signature)	Date	Time	Received by (Signature)	Trip Blank Received: Yes / No, HCL / MeoH, TBR
Scott Ude	10/2/24	1900		
Relinquished by (Signature)	Date	Time	Received by (Signature)	Temp °C, Bottles Received

Sample Receipt Checklist

COC Seal Present/Intact: ___ NP ___ Y ___ N
COC Signed/Accurate: ___ Y ___ N
Bottles Arrive Intact: ___ Y ___ N
Correct Bottles Used: ___ Y ___ N
Sufficient Volume Sent: ___ Y ___ N
If Applicable
VOA Zero Headspace: ___ Y ___ N
Preservation Correct/Checked: ___ Y ___ N

If preservation required by Login: Date/Time

L# L784264

Table #

Acctnum: TRCATX

Template: T238053

Prelogin: P1098151

TSR: 526

PB

Shipped Via

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: Julie Speer
Email To: jspeer@trccompanies.com

Project Description: Artesia Fall 2024
City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:
Client Project #
Lab Project #: TRCATX-ARTESIA

Collected By (print): Scott Ude/HMI Team
Site/Facility ID #: (Navajo - Artesia)
P.O. #
Collected By (signature): Scott Ude
Immediately Packed on Ice N ___ Y ✓
Rush? (Lab MUST Be Notified): ___ Same Day ___ Five Day ___ Next Day ___ 5 Day (Rad Only) ___ Two Day ___ 10 Day (Rad Only) ___ Three Day
Quote #
Date Results Needed
No. of Cntrs

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 1 of 2

Pace Analytical

LR 47864264
Table #
Acctnum: TRCATX
Template: T238057
Prelogin: P1098152
TSP: 526
PB:
Shipped Via:
Remarks
Sample # (lab only)

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VB2600XY - 40mlAmb HCl	DROLVI - 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH	Diss. RO Metals-FF 250mlHDPE-HNO3		
MW-52 X	Grab	GW		10/2/24	1115	11	x	x	x		x	x	x	x			
MW-109 X	Grab	GW		10/2/24	1035	10	x	x	x	x	x	x					
MW-110 X	Grab	GW		10/2/24	955	10	x	x	x	x	x	x					
MW-140 X	Grab	GW		10/2/24	1335	4					x	x	x		x		
MW-141 ✓	Grab	GW		10/2/24	1335	4					x	x	x		x		-110
~~EB-EP-02~~	~~Grab~~	~~GW~~		~~10/2/24~~	~~935~~	~~7~~		~~x~~	~~x~~	~~x~~	~~x~~	~~x~~					
~~TRIP BLANK-EP-03~~	~~Grab~~	~~GW~~		~~10/2/24~~		1	x										

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:
RO Metals = As,B,Fe,Mn,U

pH ___ Temp ___
Flow ___ Other ___

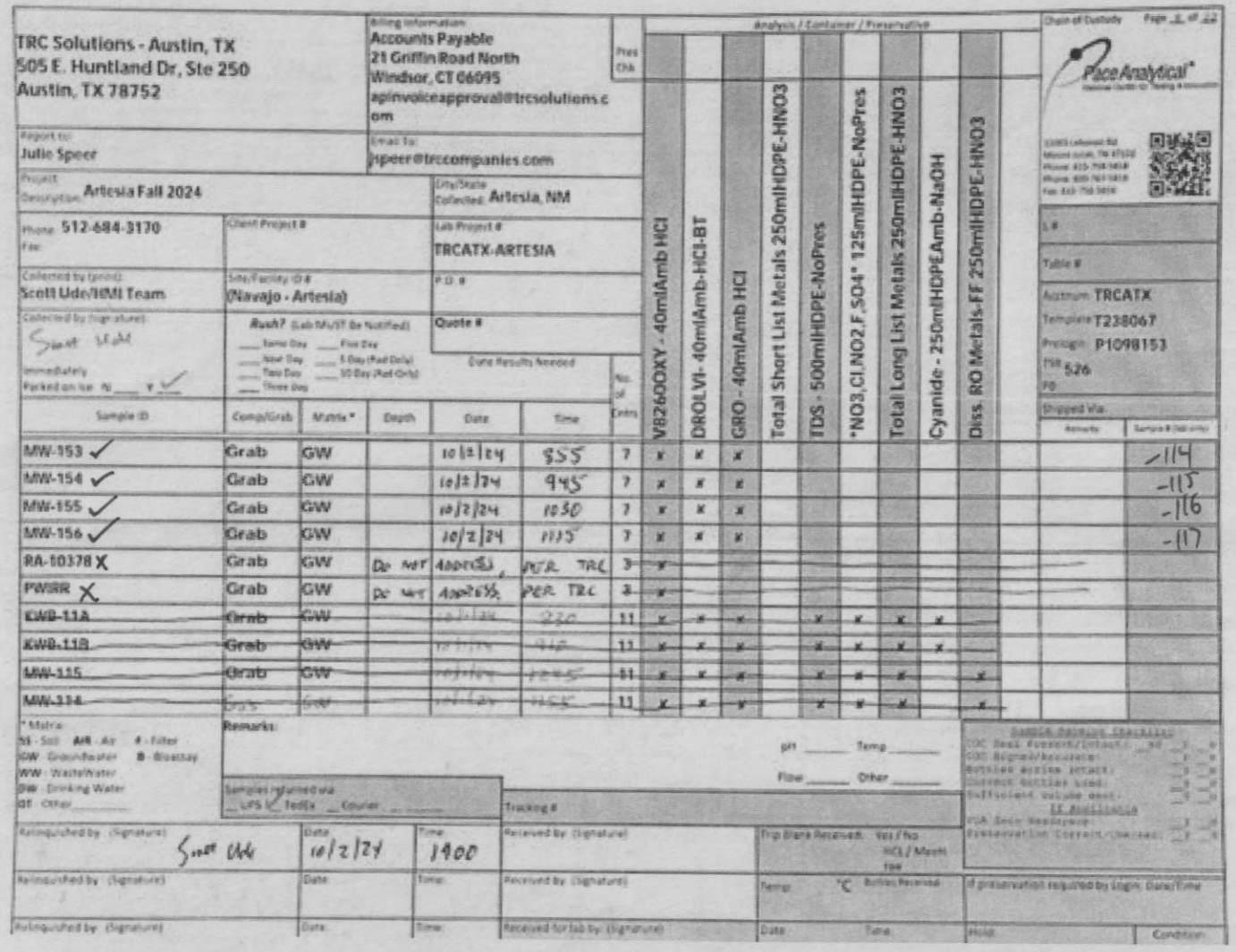
Samples returned via: _ UPS ✓FedEx _ Courier ___
Tracking #

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Scott Ude	10/2/24	1900		
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Temp: °C Bottles Received

Sample Receipt Checklist
COC Seal Present/Intact: ___Y ___N
COC Signed/Accurate: ___Y ___N
Bottles arrive intact: ___Y ___N
Correct bottles used: ___Y ___N
Sufficient volume sent: ___Y ___N
If Applicable
VOA Zero Headspace: ___Y ___N
Preservation Correct/Checked: ___Y ___N

If preservation required by Login: Date/Time

| | | |



TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: Julie Speer
Email To: jspeer@trccompanies.com
Project Description: Artesia Fall 2024
City/State Collected: Artesia, NM
Phone: 512-684-3170
Client Project #
Lab Project #: TRCATX-ARTESIA
Collected by (print): Scott Ude/HMI Team
Site/Facility ID #: (Navajo - Artesia)
P.O. #
Collected by (signature):
Immediately Packed on Ice N ___ Y ✓
Rush? (Lab MUST Be Notified): ___ Same Day ___ Five Day ___ Next Day ___ 5 Day (Rad Only) ___ Two Day ___ 10 Day (Rad Only) ___ Three Day
Quote #
Date Results Needed
No. of Cntrs

Analysis / Container / Preservative

Chain of Custody Page 1 of 2
Pace Analytical

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VB2600XY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPE Amb-NaOH	Diss. RO Metals-FF 250mlHDPE-HNO3			Lab # / Sample # (lab only)
MW-153 ✓	Grab	GW		10/2/24	855	7	x	x	x									-114
MW-154 ✓	Grab	GW		10/2/24	945	7	x	x	x									-115
MW-155 ✓	Grab	GW		10/2/24	1050	7	x	x	x									-116
MW-156 ✓	Grab	GW		10/2/24	1135	7	x	x	x									-117
RA-10378 X	Grab	GW	Do not	Add HCl,	per TRC	3	x											
PWSRR X	Grab	GW	Do not	Add HCl,	per TRC	3	x											
~~CWB-11A~~	~~Grab~~	~~GW~~			220	11	x	x	x		x	x	x	x				
~~CWB-11B~~	~~Grab~~	~~GW~~			940	11	x	x	x		x	x	x	x				
~~MW-115~~	~~Grab~~	~~GW~~			1045	11	x	x	x		x	x	x		x			
~~MW-114~~	~~Grab~~	~~GW~~			1155	11	x	x	x		x	x	x		x			

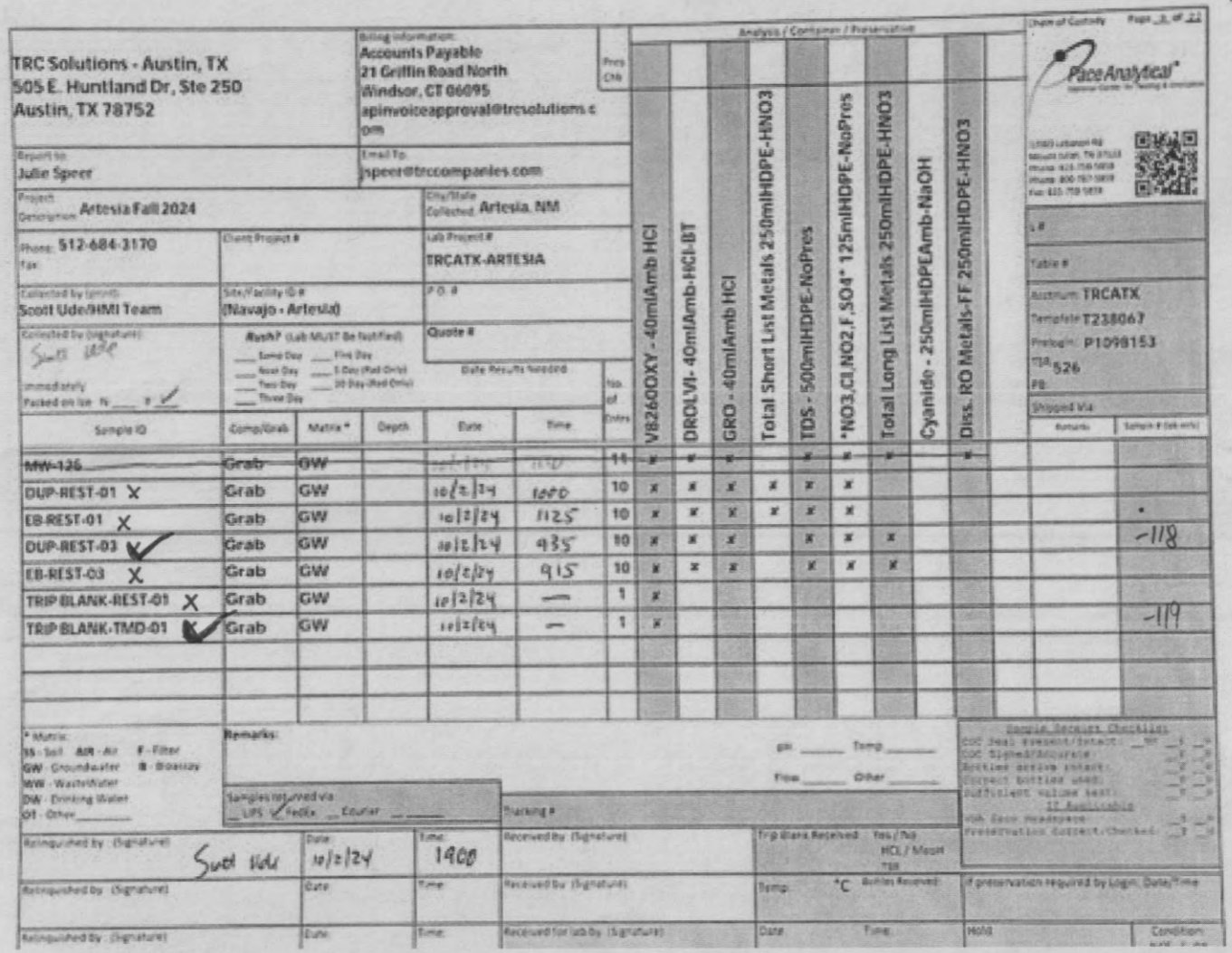
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - Wastewater DW - Drinking Water OT - Other

Remarks:

pH ___ Temp ___ Flow ___ Other ___

Samples returned via: ___ UPS ✓ FedEx ___ Courier ___
Tracking #

Relinquished by (Signature)	Date	Time	Received by (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR	Sample Receipt Checklist: COC Seal Present/Intact: NP Y N; COC Signed/Accurate: Y N; Bottles Arrive Intact: Y N; Correct Bottles Used: Y N; Sufficient Volume Sent: Y N; If Applicable: VOA Zero Headspace: Y N; Preservation Correct/Checked: Y N
Scott Ude	10/2/24	1900			
Relinquished by (Signature)	Date	Time	Received by (Signature)	Temp °C Bottles Received	If preservation required by Login: Date/Time
Relinquished by (Signature)	Date	Time	Received for lab by (Signature)	Date Time	Hold: Condition:



TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: Julie Speer
Email To: jspeer@trcompanies.com

Project Description: Artesia Fall 2024
City/State Collected: Artesia, NM

Phone: 512-684-3170
Client Project #
Lab Project #: TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team
Site/Facility ID #: (Navajo - Artesia)
P.O. #

Collected by (signature):
Rush? (Lab MUST Be Notified)
Quote #

Immediately Packed on Ice N ___ Y ✓

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VB260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH	Diss. RO Metals-FF 250mlHDPE-HNO3	Remarks	Sample # (lab only)
~~MW-126~~	Grab	GW				11	x	x	x		x	x	x		x		
DUP-REST-01 X	Grab	GW		10/2/24	1000	10	x	x	x	x	x	x					
EB-REST-01 X	Grab	GW		10/2/24	1125	10	x	x	x	x	x	x					-118
DUP-REST-03 ✓	Grab	GW		10/2/24	935	10	x	x	x		x	x	x				
EB-REST-03 X	Grab	GW		10/2/24	915	10	x	x	x		x	x	x				
TRIP BLANK-REST-01 X	Grab	GW		10/2/24	—	1	x										-119
TRIP BLANK-TMD-01 ✓	Grab	GW		10/2/24	—	1	x										

Analysis / Container / Preservative

Chain of Custody Page 3 of 22

Pace Analytical

Lab #
Table #
Acctnum: TRCATX
Template: T238067
Prelogin: P1098153
TSR: 526
PB:
Shipped Via:

Remarks | Sample # (lab only)

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - Wastewater
DW - Drinking Water
OT - Other

Remarks:

pH ___ Temp ___
Flow ___ Other ___

Samples returned via: ___ UPS ✓ FedEx ___ Courier ___

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: ___NP ___Y ___N
COC Signed/Accurate: ___Y ___N
Bottles arrive intact: ___Y ___N
Correct bottles used: ___Y ___N
Sufficient volume sent: ___Y ___N
If Applicable
VOA Zero Headspace: ___Y ___N
Preservation Correct/Checked: ___Y ___N

Relinquished by (Signature)	Date	Time	Received by (Signature)	Trip Blank Received: Yes / No HCL / MeoH TSR
Scott Ude	10/2/24	1400		
Relinquished by (Signature)	Date	Time	Received by (Signature)	Temp: °C Bottles Received:
Relinquished by (Signature)	Date	Time	Received for lab by (Signature)	Date Time

If preservation required by Login: Date/Time

Hold: Condition:

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: Julie Speer
Email To: jspeer@trccompanies.com

Project Description: Artesia Fall 2024
City/State Collected: Artesia, NM

Phone: 512-684-3170
Client Project #
Lab Project #: TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team
Site/Facility ID #: (Navajo - Artesia)
P.O. #

Collected by (signature):
Immediately Packed on Ice N ___ Y ✓
Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day
Quote #
Date Results Needed

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH	Diss. RO Metals-FF 250mlHDPE-HNO3	8270DIOXANE/SV8011	Remarks	Sample # (lab only)
~~MW-117~~	Grab	GW				11	x	x	x		x	x	x		x			
~~MW-118~~	Grab	GW				11	x	x	x		x	x	x		x			
~~MW-119~~	Grab	GW				11	x	x	x		x	x	x		x			
~~MW-136~~	Grab	GW				11	x	x	x		x	x	x	x				
~~MW-126A~~	Grab	GW				10	x	x	x	x	x	x					LNAPL	
~~MW-126B~~	Grab	GW				10	x	x	x	x	x	x						
MW-160 ✓	Grab	GW		10/2/24	1335	7	x	x	x									-120
~~MW-161~~	Grab	GW				7	x	x	x									
~~MW-162~~	Grab	GW				4				x	x	x			x		Cation only	
~~MW-127~~	Grab	GW				15	x	x	x	x	x	x				x	LNAPL	

* Matrix
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - Wastewater
DW - Drinking Water
OT - Other

Remarks:
pH ___ Temp ___
Flow ___ Other ___

Samples returned via: ___ UPS ✓ FedEx ___ Courier ___
Tracking #

Relinquished by: (Signature) Scott Ude — Date: 10/2/24 — Time: 1900 — Received by: (Signature) — Trip Blank Received: Yes / No HCL / MeoH TBR
Relinquished by: (Signature) — Date: — Time: — Received by: (Signature) — Temp: °C — Bottles Received: — If preservation required by Login: Date/Time
Relinquished by: (Signature) — Date: — Time: — Received for lab by: (Signature) — Date: — Time: — Hold: — Condition: NCF / OK

Pace Analytical

Chain of Custody — Page ___ of ___

Lab #
Table #
Acctnum: TRCATX
Template: T238178
Prelogin: P1098154
TSR: 526
PB:
Shipped Via:

Sample Receipt Checklist
COC Seal Present/Intact: ___NP ___Y ___N
COC Signed/Accurate: ___Y ___N
Bottles arrive intact: ___Y ___N
Correct bottles used: ___Y ___N
Sufficient volume sent: ___Y ___N
If Applicable
VOA Zero Headspace: ___Y ___N
Preservation Correct/Checked: ___Y ___N

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: Julie Speer
Email To: jspeer@trccompanies.com

Project Description: Artesia Fall 2024
City/State Collected: Artesia, NM

Phone: 512-684-3170
Client Project #
Lab Project #: TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team
Site/Facility ID #: (Navajo - Artesia)
P.O. #

Collected by (signature): Scott Ude
Rush? (Lab MUST Be Notified) ___ Same Day ___ Five Day ___ Next Day ___ 5 Day (Rad Only) ___ Two Day ___ 10 Day (Rad Only) ___ Three Day
Quote #
Date Results Needed
Immediately Packed on Ice: N ___ Y ✓
No. of Containers

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Containers	V8260OXY - 40mlAmb HCl	DRO1VI - 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
KWB-1A ✓	Grab	GW		10/12/24	955	9	x	x			x	x	x	x				121
KWB-10R	Grab	GW				10	x	x		x	x	x				x	LNAPL	
MW-131	Grab	GW				10	x	x	x	x	x	x					LNAPL	
KWB-5	Grab	GW				8	x	x		x	x	x					LNAPL	
MW-111	Grab	GW				15	x	x	x	x	x	x			x	x	LNAPL	
KWB-6	Grab	GW				13	x	x		x	x	x			x	x	LNAPL	
MW-112	Grab	GW				10	x	x	x	x	x	x					LNAPL	
MW-132	Grab	GW				10	x	x	x	x	x	x					CONTINUE	
MW-57	Grab	GW				10	x	x	x	x	x	x					LNAPL	
KWB-12A	Grab	GW		10/12/24	1335	11	x	x	x		x	x	x	x				

* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - Wastewater DW - Drinking Water OT - Other

Remarks:

pH ____ Temp ____
Flow ____ Other ____

Samples returned via: ___UPS ✓FedEx ___Courier ___

Tracking #

Relinquished by: (Signature) Scott Ude | Date: 10/12/24 | Time: 1900 | Received by: (Signature) | Trip Blank Received: Yes / No HCL / MeoH TSP | Temp: °C | Bottles Received: | If preservation required by Login: Date/Time

Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Hold: | Condition: NCF / OK

Relinquished by: (Signature) | Date | Time | Received for lab by: (Signature) | Date: | Time:

Pace Analytical

Lab #
Table #
Acctnum: TRCATX
Template: T238178
Prelogin: P1098154
TSR: 526
PB
Shipped Via:

Sample Receipt Checklist
COC Seal Present/Intact: ___NP ___Y ___N
COC Signed/Accurate: ___Y ___N
Bottles arrive intact: ___Y ___N
Correct Bottles used: ___Y ___N
Sufficient volume sent: ___Y ___N
If Applicable
VOA Zero Headspace: ___Y ___N
Preservation Correct/Checked: ___Y ___N

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: Julie Speer
Email To: jspeer@trccompanies.com

Project Description: Artesia Fall 2024
City/State Collected: Artesia, NM

Phone: 512-684-3170
Client Project #
Lab Project #: TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team
Site/Facility ID #: (Navajo - Artesia)
P.O. #

Collected by (signature): Scott Ude
Immediately Packed on Ice: N ___ Y ✓
Rush? (Lab MUST Be Notified)
Quote #
Date Results Needed
No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VB260OXY - 40mlAmb-HCl	DROLVI - 40mlAmb-HCl-BT	GRO - 40mlAmb-HCl	Total Short List Metals 250mlHDPE-HNO3	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH	Diss. RO Metals-FF 250mlHDPE-HNO3	Cations 250mlHDPE-HNO3	Remarks	Sample # (lab only)
KWB-12B ✓	Grab	GW		10/2/24	1215	11	x	x	x		x	x	x	x				-122
KWB-2R	Grab	GW				8	x	x		x	x	x						
MW-58	Grab	GW				9	x	x			x	x	x	x				
MW-149	Grab	GW				8	x	x		x	x	x						
MW-150	Grab	GW				8	x	x		x	x	x						
MW-162	Grab	GW				4					x	x	x		x			
MW-163	Grab	GW				6					x	x	x		x			
MW-164	Grab	GW				4					x	x			x	x		
DUP-REST-05 ✓	Grab	GW		10/2/24	1200	11	x	x	x		x	x	x	x				-123
EB-REST-05 ✓	Grab	GW		10/2/24	1235	11	x	x	x		x	x	x	x				-124

* Matrix
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:

pH ___ Temp ___
Flow ___ Other ___

Samples returned via: ___ UPS ✓ FedEx ___ Courier ___
Tracking #

Relinquished by: (Signature) Scott Ude | Date: 10/2/24 | Time: 1900 | Received by: (Signature) | Trip Blank Received: Yes / No HCL / MeoH TSP
Relinquished by: (Signature) | Date: | Time: | Received by: (Signature) | Temp: °C | Bottles Received | If preservation required by Login: Date/Time
Relinquished by: (Signature) | Date: | Time: | Received for lab by: (Signature) | Date | Time | Hold | Condition: NCF / OK

Pace Analytical
Chain of Custody Page 11 of 11

Lab #
Table #
Acctnum: TRCATX
Template: T238178
Prelogin: P1098154
TSR: 526
PB:
Shipped Via:

Sample Receipt Checklist
COC Seal Present/Intact: ___ Y ___ N
COC Signed/Accurate: ___ Y ___ N
Bottles arrive intact: ___ Y ___ N
Correct bottles used: ___ Y ___ N
Sufficient volume sent: ___ Y ___ N
If Applicable
VOA Zero Headspace: ___ Y ___ N
Preservation Correct/Checked: ___ Y ___ N

| | | |

TRC Solutions - Austin, TX
505 E. Huntland Dr, Ste 250
Austin, TX 78752

Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: Julie Speer
Email To: jspeer@trccompanies.com

Project Description: Artesia Fall 2024
City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:
Client Project #
Lab Project #: TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team
Site/Facility ID #: (Navajo - Artesia)
P.O. #

Collected by (signature): Scott Ude
Immediately Packed on Ice N ___ Y ✓
Rush? (Lab MUST Be Notified) ___ Same Day ___ Five Day ___ Next Day ___ 5 Day (Rad Only) ___ Two Day ___ 10 Day (Rad Only) ___ Three Day
Date Results Needed
Quote #

Pres Chk

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260OXY - 40mlAmb HCl	DROLVII- 40ml Amb-HCl-BT	GRO - 40ml Amb HCl	Total Short List Metals 250mlHDPE-HNO3	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPEAmb-NaOH	8270DIOXANE - 100ml Amb-NoPres	SVOCs - 100ml Amb-NoPres	Remarks	Sample # (lab only)
MW-104 •	Grab	GW		10/2/24	1255	10	x	x	x	x	x	x						-126
MW-45	Grab	GW		~~10/2/24~~	~~1410~~	9	x	x			x	x	x	x				
MW-157 •	Grab	GW		10/2/24	940	7	x	x	x									-127
MW-158 •	Grab	GW		10/2/24	855	7	x	x	x									-128
MW-159 •	Grab	GW		10/2/24	755	7	x	x	x									-129
~~DUP-TEL-01~~	~~Grab~~	~~GW~~		~~10/1/24~~	~~1000~~	10	x	x	x	x	x	x						
~~EB-TEL-01~~	~~Grab~~	~~GW~~		~~10/1/24~~	~~950~~	10	x	x	x	x	x	x						
~~TRIP BLANK-REST-04~~	~~Grab~~	~~GW~~		~~10/1/24~~	~~—~~	1	x											
~~TRIP BLANK-TEL-01~~	~~Grab~~	~~GW~~		~~10/1/24~~	~~—~~	1	x											

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:
pH ___ Temp ___
Flow ___ Other ___

Samples returned via: ___ UPS ✓ FedEx ___ Courier ___
Tracking #

Relinquished by (Signature): Scott Ude — Date: 10/2/24 — Time: 1900
Received by (Signature)
Trip Blank Received: Yes / No — HCL / MeoH — TBR

Relinquished by (Signature) — Date: — Time:
Received by (Signature) — Temp: °C — Bottles Received — If preservation required by Login: Date/Time

Received for lab by (Signature) — Date: — Time: — pH — Condition: NCF / OK

Pace Analytical

Lab # —
Table # —
Acctnum: TRCATX
Template: T238187
Prelogin: P1099962
TSR: 526
PB —
Shipped Via: —

Sample Receipt Checklist
COC Seal Present/Intact: ___ Y ___ N
COC Signed/Accurate: ___ Y ___ N
Bottles arrive intact: ___ Y ___ N
Correct bottles used: ___ Y ___ N
Sufficient volume sent: ___ Y ___ N
If Applicable
VOA Zero Headspace: ___ Y ___ N
Preservation Correct/Checked: ___ Y ___ N

RC Solutions - Austin, TX
05 E. Huntland Dr, Ste 250
ustin, TX 78752

Accounts Payable
21 Griffin Road North
Windsor, CT 06095
apinvoiceapproval@trcsolutions.com

Report to: Julie Speer
Email To: jspeer@trccompanies.com

Project Description: Artesia Fall 2024
City/State Collected: Artesia, NM

Phone: 512-684-3170
Fax:
Client Project #
Lab Project #: TRCATX-ARTESIA

Collected by (print): Scott Ude/HMI Team
Site/Facility ID #: (Navajo - Artesia)
P.O. #

Collected by (signature): Scott Ude
Immediately Packed on Ice: N ___ Y ✓
Rush? (Lab MUST Be Notified): ___ Same Day ___ Five Day ___ Next Day ___ 5 Day (Rad Only) ___ Two Day ___ 10 Day (Rad Only) ___ Three Day
Date Results Needed
Quote #

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	V8260BOXY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total Short List Metals 250mlHDPE-HNO3	TDS - 500mlHDPE-NoPres	*NO3,Cl,NO2,F,SO4* 125mlHDPE-NoPres	Total Long List Metals 250mlHDPE-HNO3	Cyanide - 250mlHDPE/Amb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
~~GW-7AR~~	~~Grab~~	~~GW~~				~~7~~		x	x	x	x	x						
~~MW-48~~	~~Grab~~	~~GW~~				~~10~~	x	x	x	x	x	x					LNAPL	
MW-130 ✓	Grab	GW		10/2/24	1115	10	x	x	x	x	x	x						-130
~~KWB-4~~	~~Grab~~	~~GW~~				~~8~~	x	x		x	x	x					LNAPL	
~~EB-FP-01~~	~~Grab~~	~~GW~~				~~3~~		x	x	x	x	x						
~~EB-FP-04~~	~~Grab~~	~~GW~~				~~3~~		x	x	x	x	x						
~~TRIP BLANK-FP-01~~	~~Grab~~	~~GW~~				~~1~~	x											

* Matrix: SS - Soil, AIR - Air, F - Filter, GW - Groundwater, B - Biosolids, WW - Wastewater, DW - Drinking Water, OT - Other

Remarks:
pH ____ Temp ____
Flow ____ Other ____

Samples returned via: ___ UPS ✓ FedEx ___ Courier
Tracking #

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeOH TBR
Scott Ude	10/3/24	1420		
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:

Sample Receipt Checklist
COC Seal Present/Intact: ___NP ___Y ___N
COC Signed/Accurate: ___Y ___N
Bottles arrive intact: ___Y ___N
Correct bottles used: ___Y ___N
Sufficient volume sent: ___Y ___N
If Applicable
VOA Zero Headspace: ___Y ___N
Preservation Correct/Checked: ___Y ___N

If preservation required by Login: Date/Time
Hold: Condition:

Pace Analytical

L# L784769
Table #
Acctnum: TRCATX
Template: T238036
Prelogin: P1098150
TSR: 526
PB:
Shipped Via:

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10/5 NCF-TRCATX

L1784264 R5

Time estimate: oh **Time spent:** oh

Members

Nicolle Faulk (responsible) Christopher McCord Shane Gambill

Due on *10 October 2024 5:00 PM* for target *Done*

- [x] Login Clarification needed
- [ ] Chain of custody is incomplete
- [ ] Please specify Metals requested
- [ ] Please specify TCLP requested
- [ ] Received additional samples not listed on COC
- [ ] Sample IDs on containers do not match IDs on COC
- [ ] Client did not "X" analysis
- [x] Chain of Custody is missing
- [x] If no COC: Received by:_____Arlo
- [x] If no COC: Date/Time:_____10/5/24
- [x] If no COC: Temp./Cont.Rec./pH:_____2.7
- [x] If no COC: Carrier:_____fedex
- [x] If no COC: Tracking #:_____2802 5507 5091
- [ ] Client informed by call
- [ ] Client informed by Email
- [ ] Client informed by Voicemail
- [ ] Date/Time:_____
- [ ] PM initials:_____
- [ ] Client Contact:_____

Comments

Nicolle Faulk — *5 October 2024 1:14 PM*

NCL-32, NCL-44, NCL-52, NCL-109, NCL-110, NCL-140

Did not receive a COC.

Shane Gambill — *7 October 2024 1:55 PM*

Hello Nicole, did these samples arrive with any other projects for TRCATX? L1784264 maybe?

Shane Gambill — *7 October 2024 5:10 PM*

Hello, please answer the questions below:
What matrix are these samples?
How many containers did we receive per sample?
Is there a project name, T# or P# listed on the sample container labels?
-Thanks!

Received by OCD: 6/12/2025 1:19:15 PM

Released to Imaging: 6/17/2025 4:41:11 PM

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1784264

Nicolle Faulk *8 October 2024 7:36 AM*

P1100004 is on the containers. They were in a cooler with no COC.

Shane Gambill *8 October 2024 10:33 AM*

These samples are on the COC's for L1784264.

Please add these samples to L1784264. Log samples NCL-52, NCL-109, NCL-110, NCL-140 according to the COC on page 6 of 22 as MW-52, MW-109, MW-110, and MW-140. Log samples MCL-33 and NCL-44 according to the COC which is the COC after page 20 of 22.

Nicolle Faulk *8 October 2024 10:51 AM*

Confirming the IDs. We received NCL-32, NCL-44, NCL-52, NCL-109, NCL-110, NCL-140... we did not receive NCL-52 or NCL-33 that was in the previous comment.

Nicolle Faulk *8 October 2024 12:06 PM*

also if these have shortholds they are likely out of hold

Shane Gambill *8 October 2024 6:18 PM*

Please log short holds out of hold per client request. Please log NCL-32, NCL-44, NCL-52, NCL-109, NCL-110, NCL-140 samples received as follows:

Log samples NCL-52, NCL-109, NCL-110, NCL-140 according to the COC on page 6 of 22 as:
NCL-52 as - (MW-52),
NCL-109 as - (MW-109)
NCL-110 as (MW-110)
NCL-140 as (MW-140)

Log samples NCL-32, NCL-44 according to the scanned COC which is after page 20 of 22.

Shane Gambill *8 October 2024 6:27 PM*

Please have these added to - L1784264

Nicolle Faulk *9 October 2024 8:19 AM*

done

Received by OCD: 6/12/2025 1:19:15 PM

Released to Imaging: 6/17/2025 4:41:11 PM

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10/4-NCF-L1784264 TRCATX TD

R5

Time estimate: oh **Time spent:** oh

Members

TD Troy Dunlap (responsible) MC² Christopher McCord SG Shane Gambill

- [x] Parameter(s) past holding time
- [ ] Temperature not in range
- [ ] Improper container type
- [ ] pH not in range
- [ ] Insufficient sample volume
- [ ] Sample is biphasic
- [ ] Vials received with headspace
- [ ] Broken container
- [ ] Sufficient sample remains
- [ ] If broken container: Insufficient packing material around container
- [ ] If broken container: Insufficient packing material inside cooler
- [ ] If broken container: Improper handling by carrier:_____
- [ ] If broken container: Sample was frozen
- [ ] If broken container: Container lid not intact
- [ ] Client informed by Call
- [ ] Client informed by Email
- [ ] Client informed by Voicemail
- [ ] Date/Time:_____
- [ ] PM initials:_____
- [ ] Client Contact:_____

Comments

Troy Dunlap *4 October 2024 5:17 PM*

Received -106 through -130 today. All NITRATE samples are out of hold.

Shane Gambill *8 October 2024 10:28 AM*

Please run the Nitrates and Nitrites out of hold per client request.

Troy Dunlap *8 October 2024 4:28 PM*

Done.

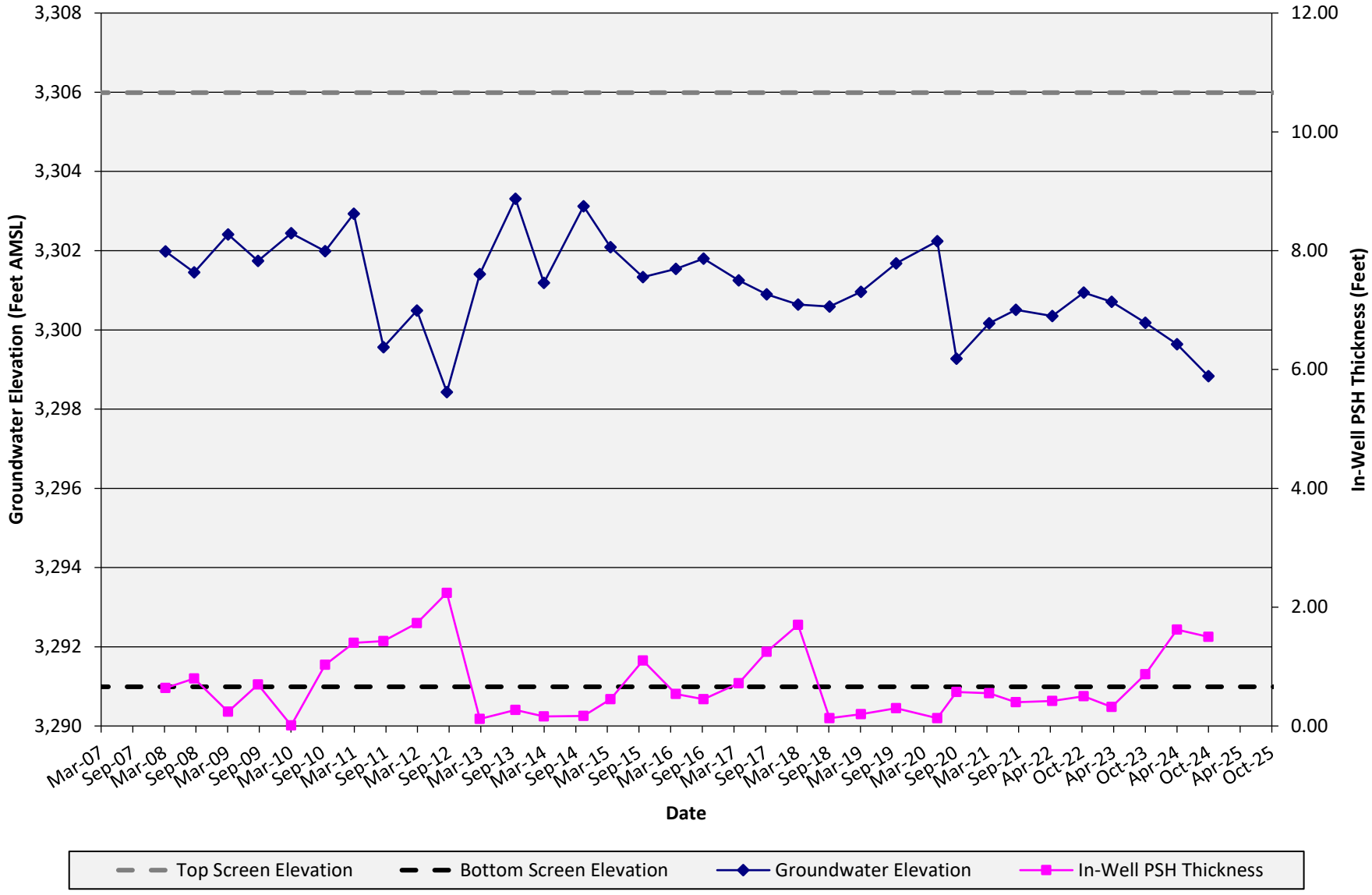
Received by OCD: 6/12/2025 1:19:15 PM

Released to Imaging: 6/17/2025 4:41:11 PM

MW-85: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

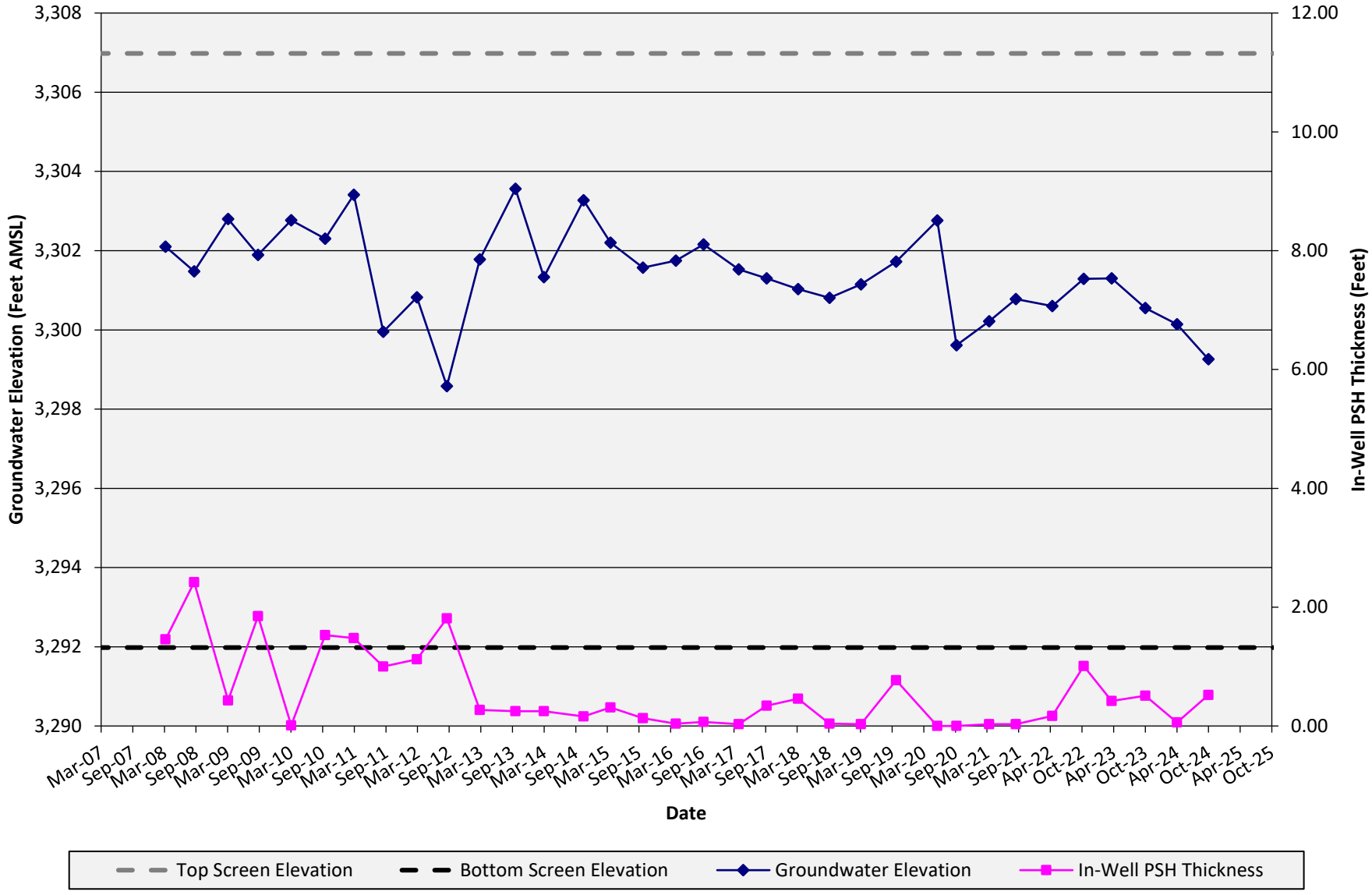
Evaporation Ponds



MW-86: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

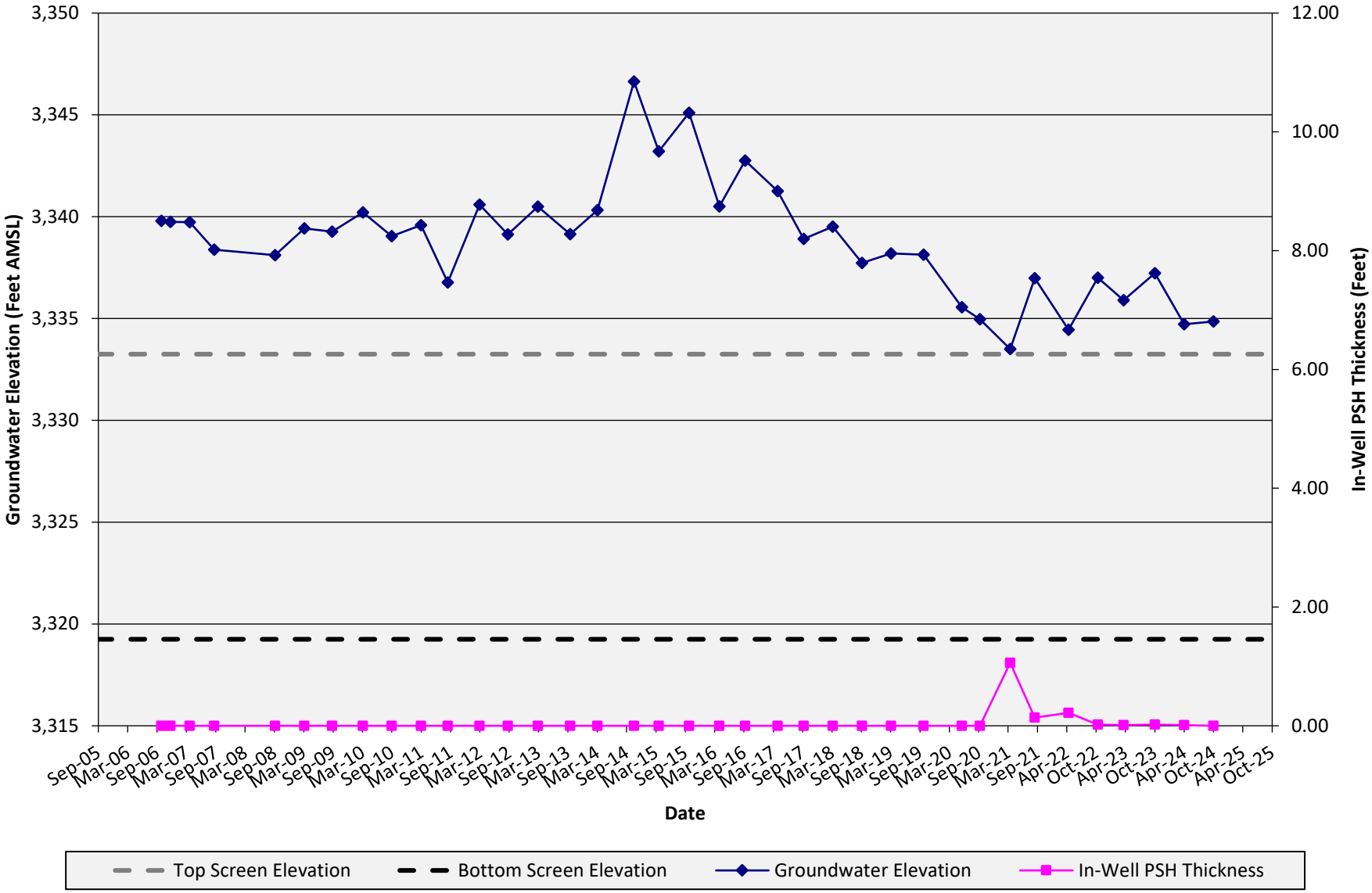
Evaporation Ponds



KWB-1A: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

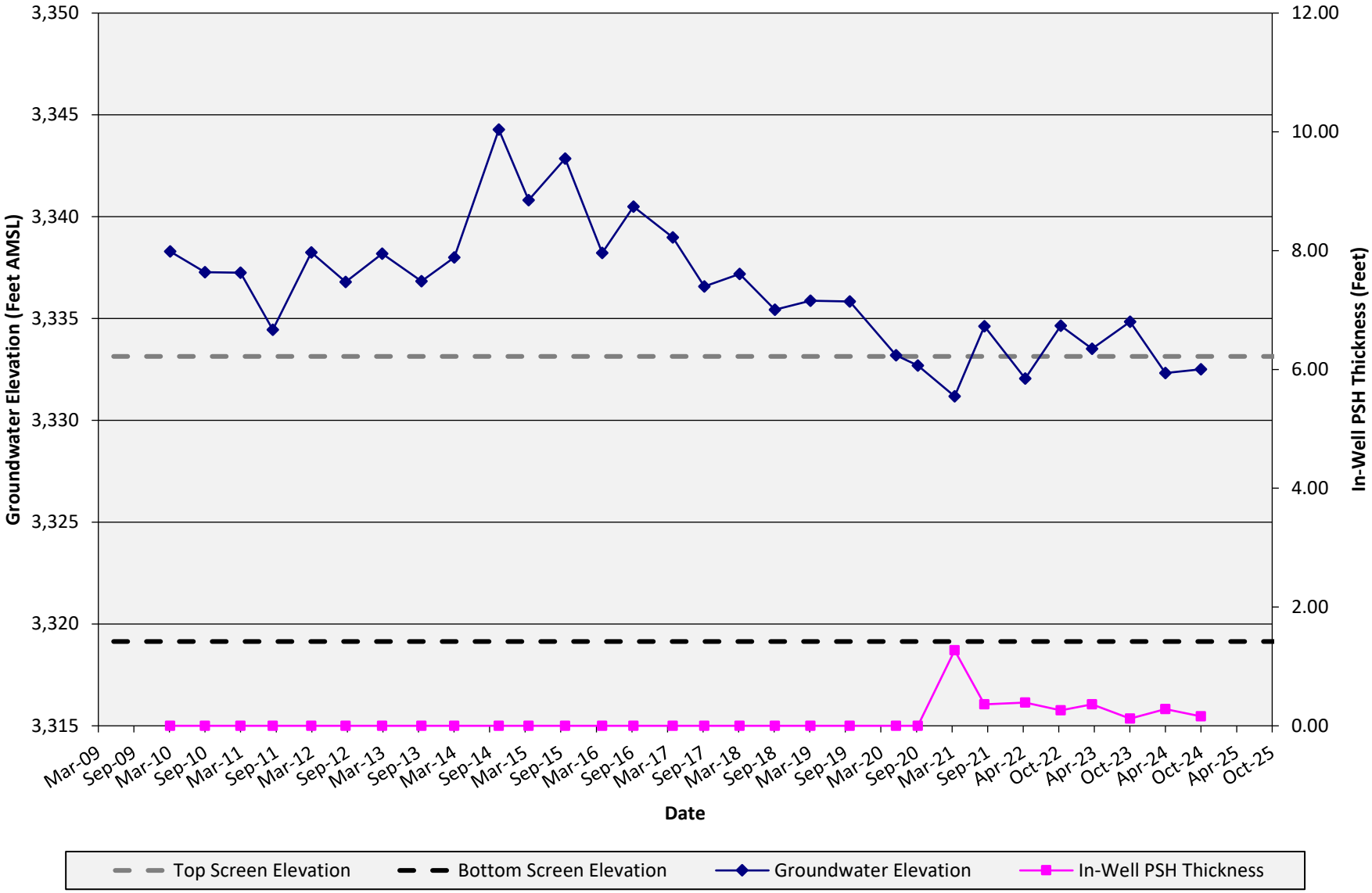
Field East of Refinery



KWB-1B: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

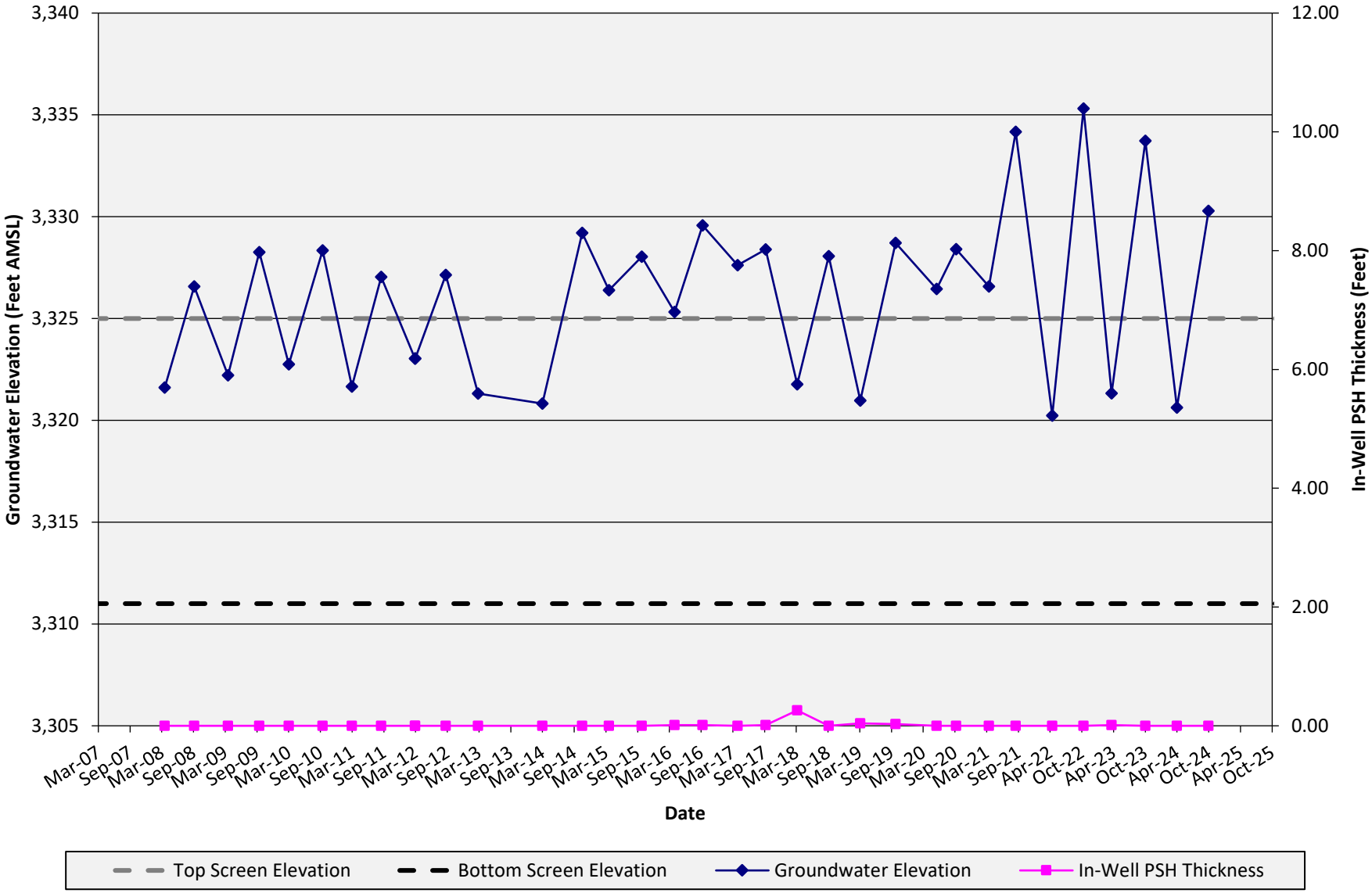
Field East of Refinery



KWB-7: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

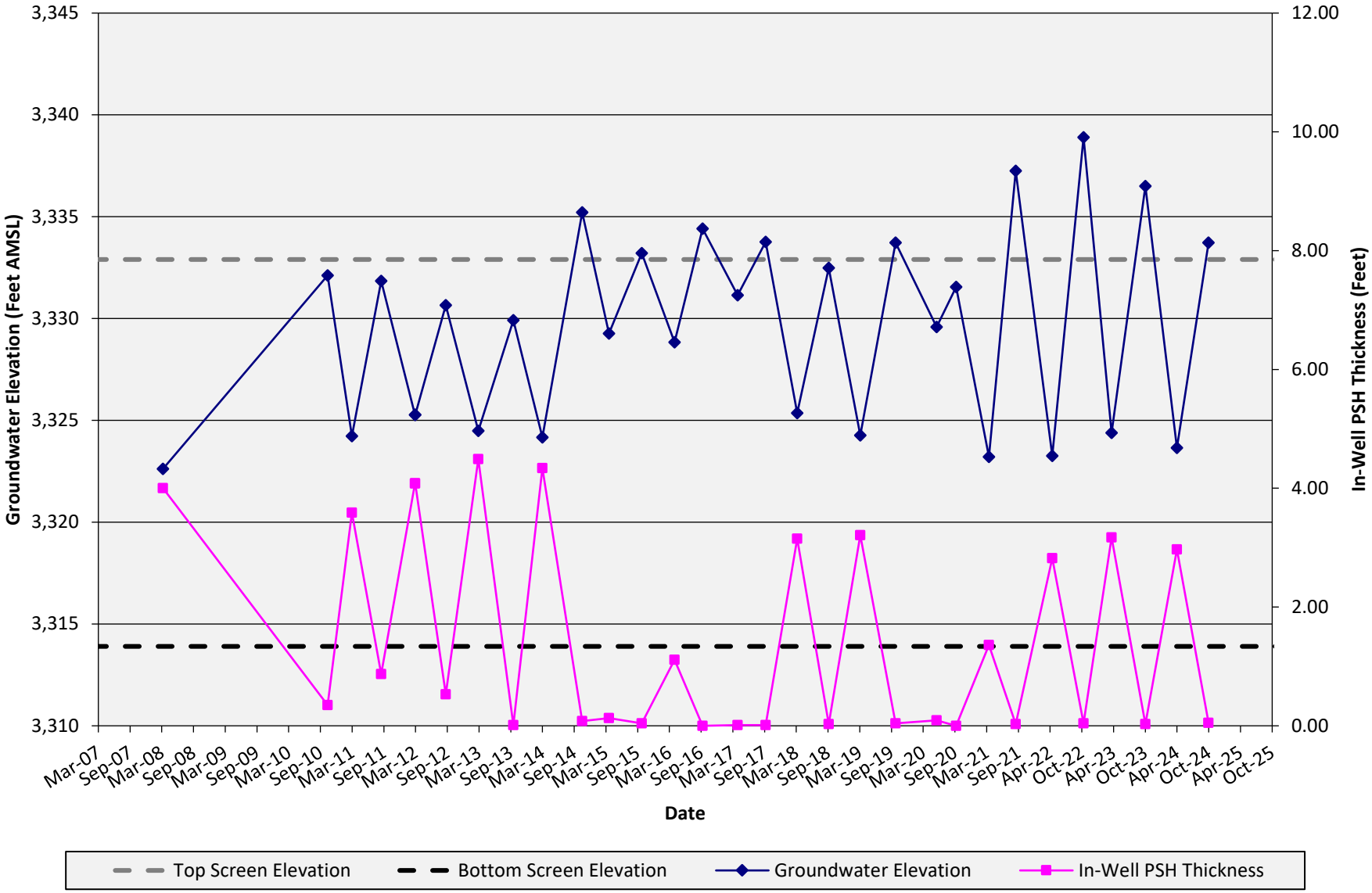
Field East of Refinery



KWB-8: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

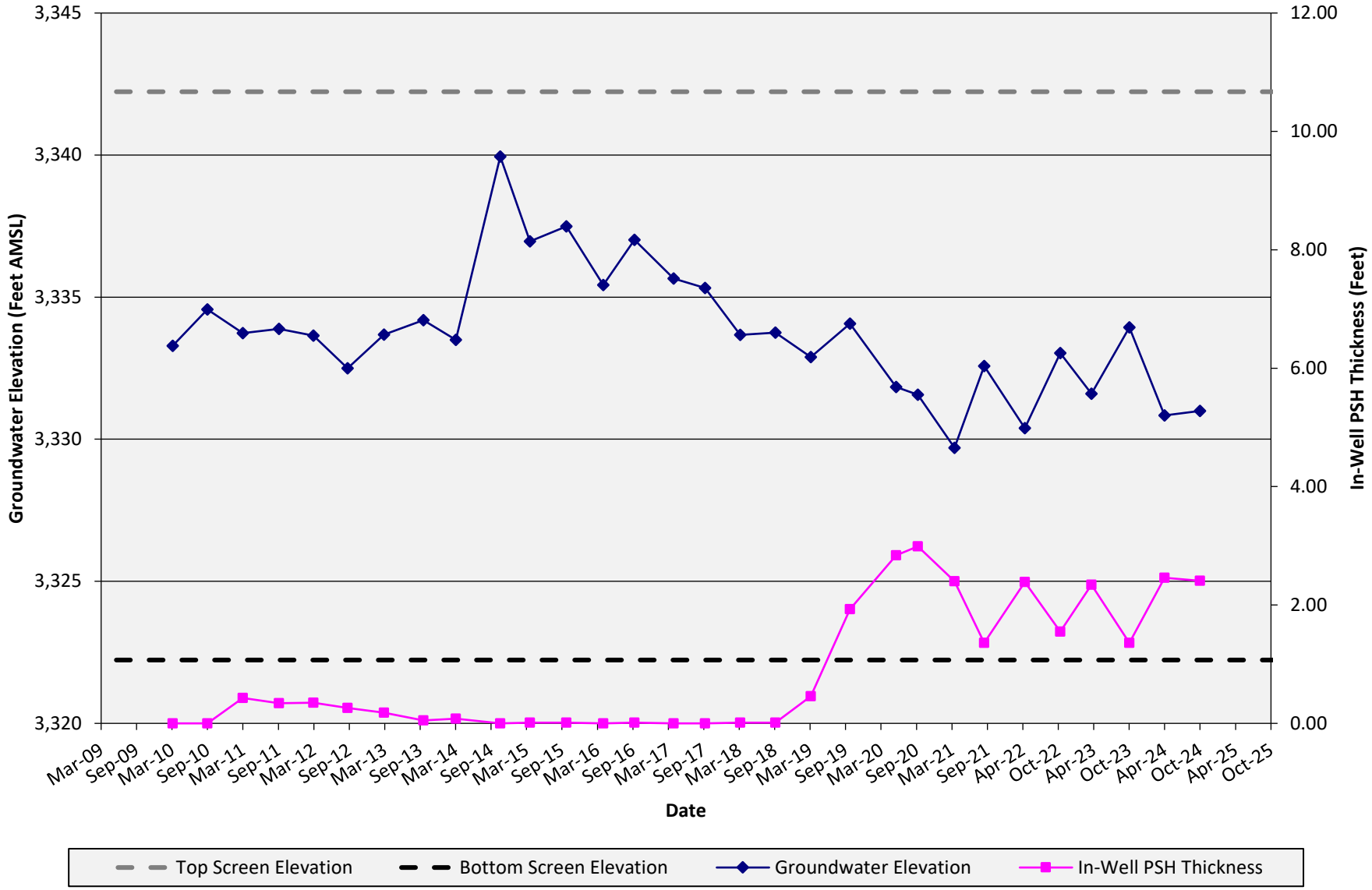
Field East of Refinery



KWB-10R: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

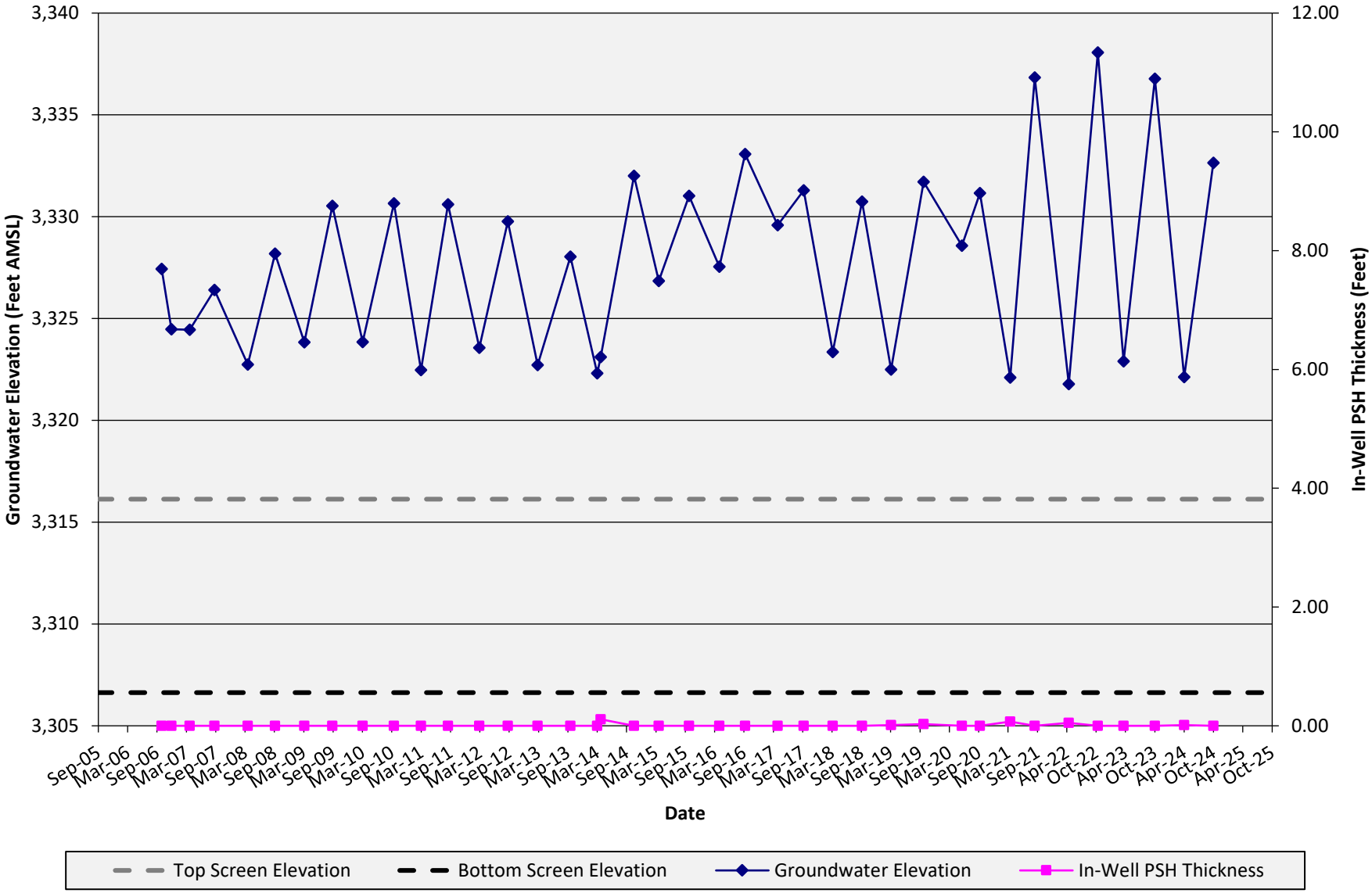
Field East of Refinery



KWB-11A: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

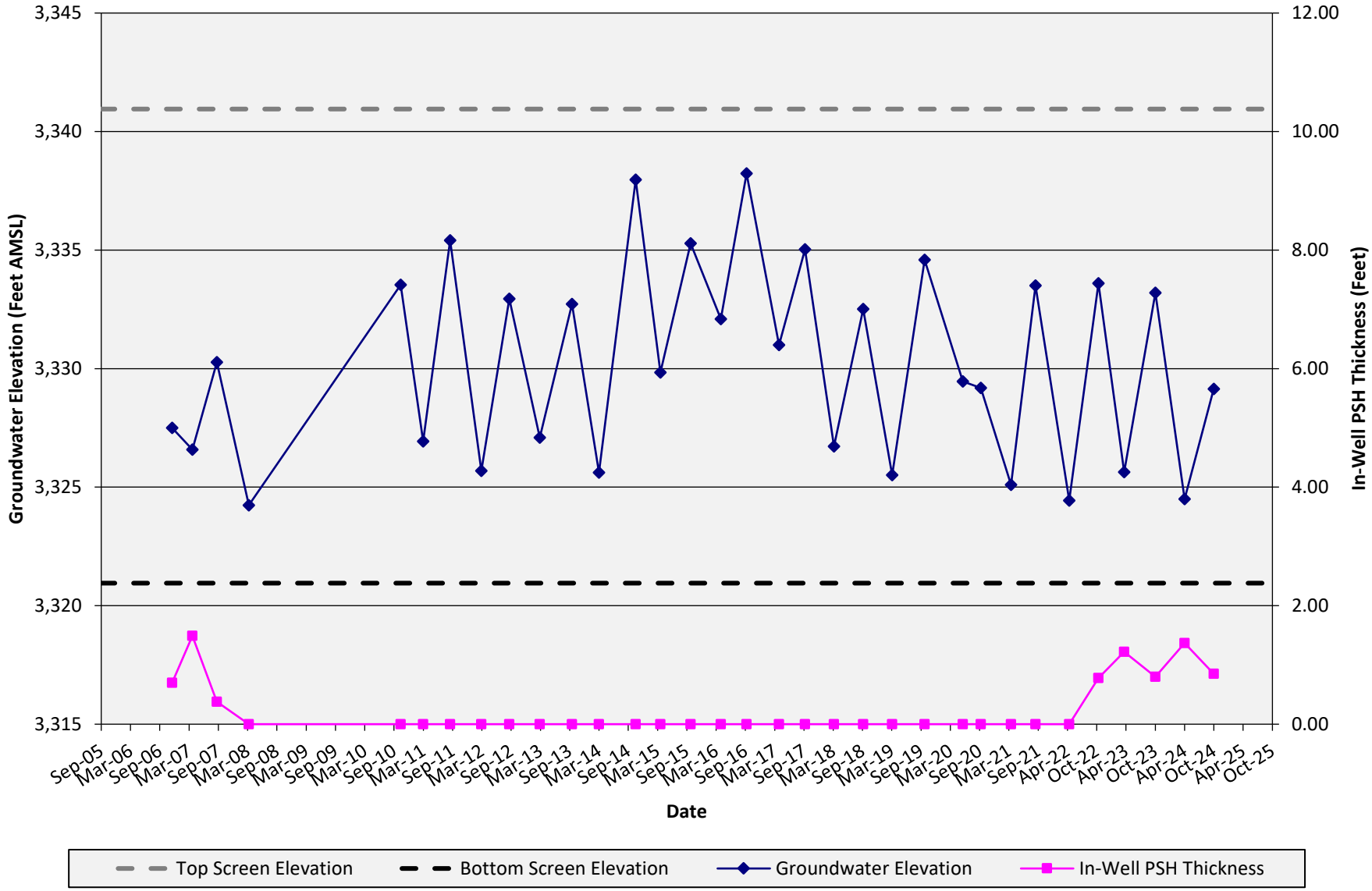
Field East of Refinery



MW-57: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

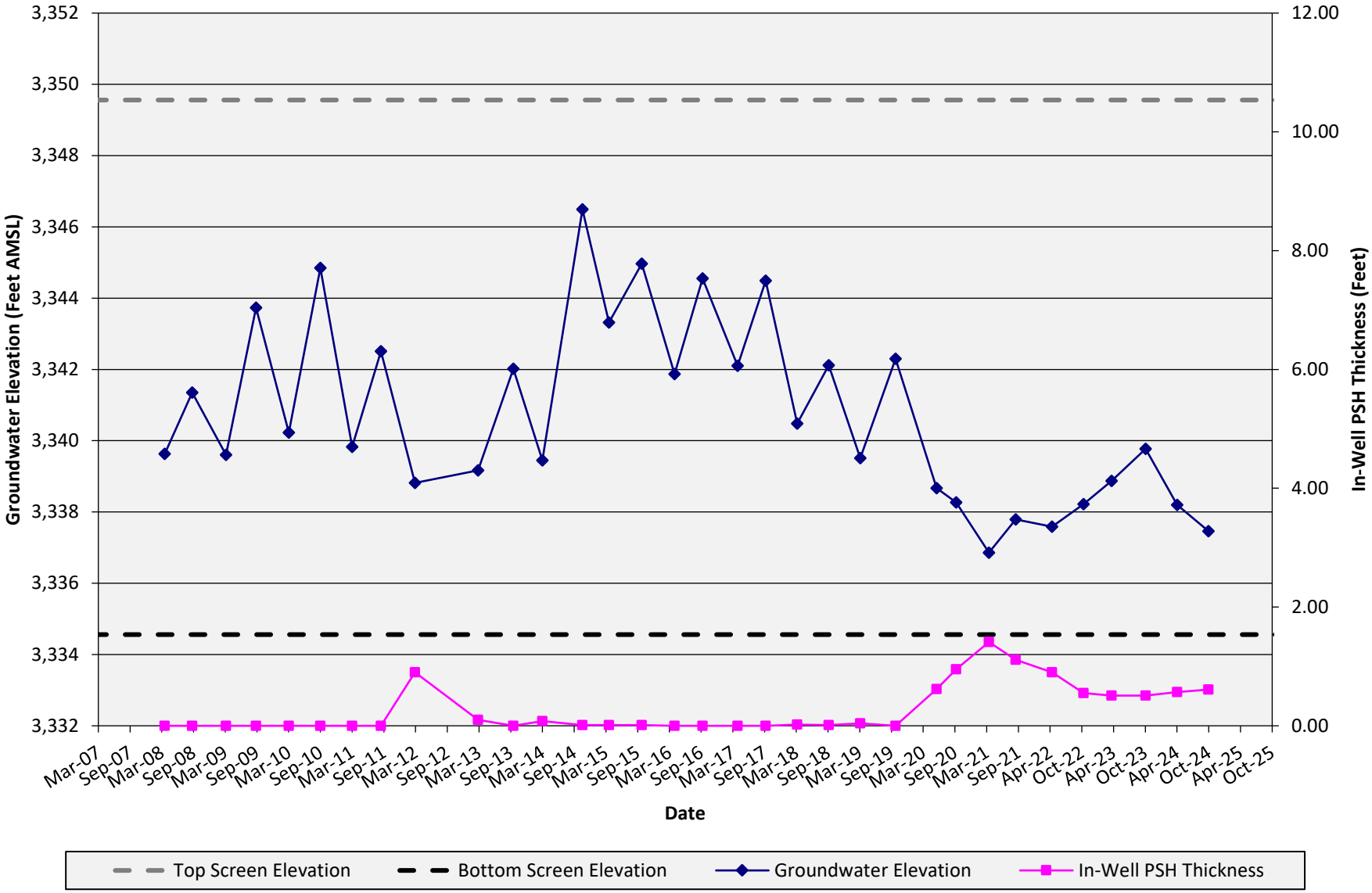
Field East of Refinery



MW-58: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

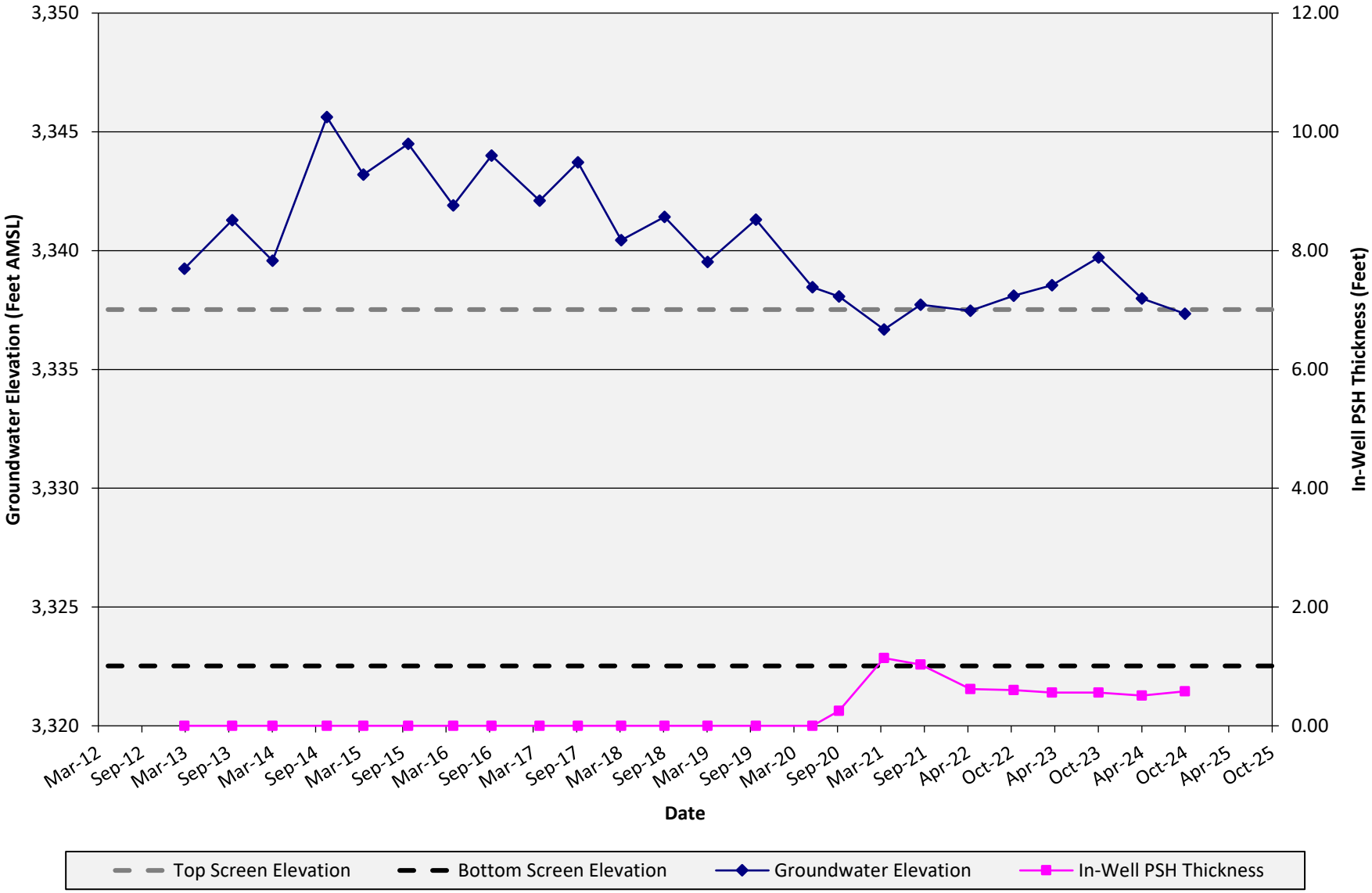
Field East of Refinery



MW-111: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

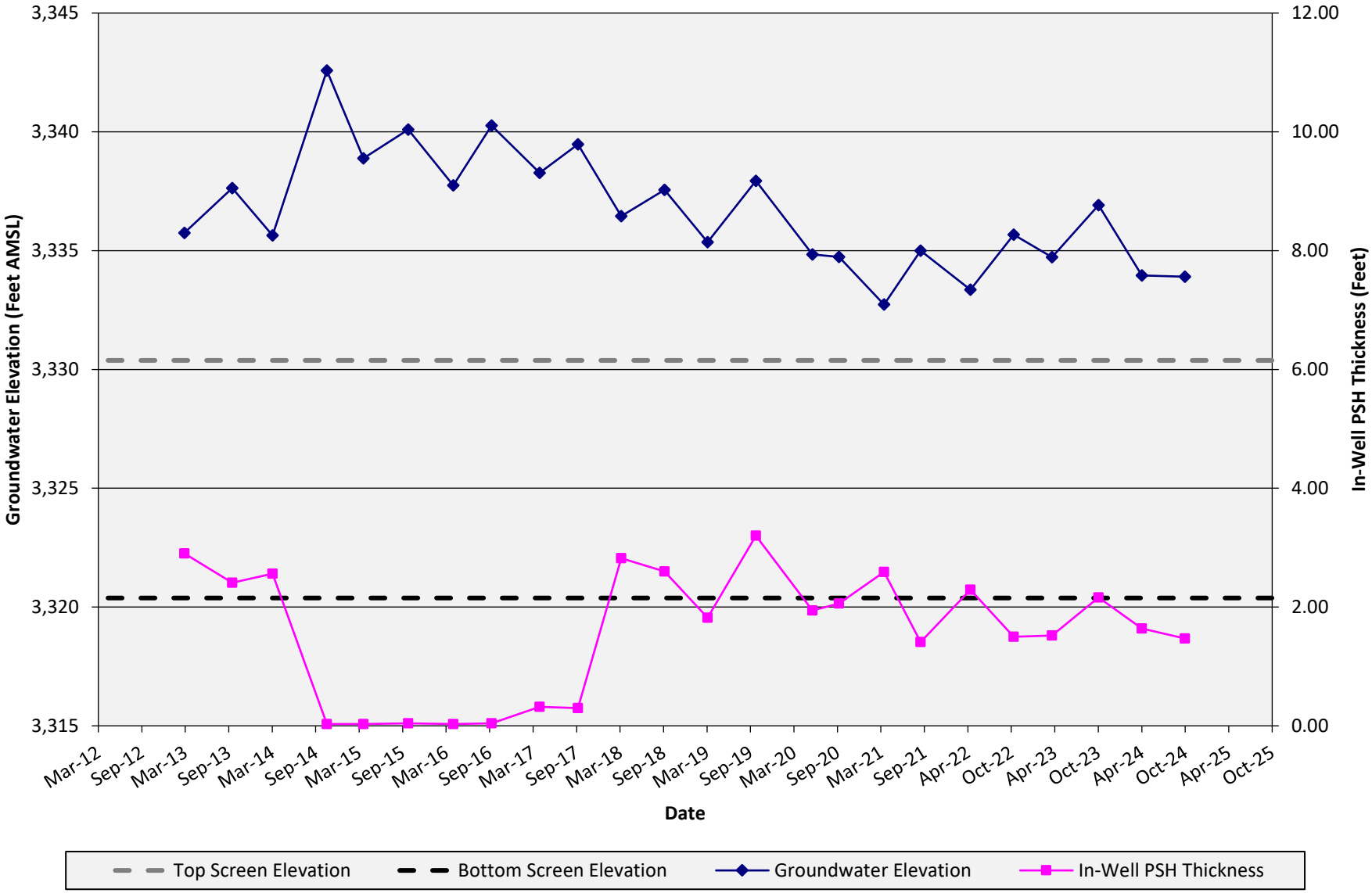
Field East of Refinery



MW-112: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

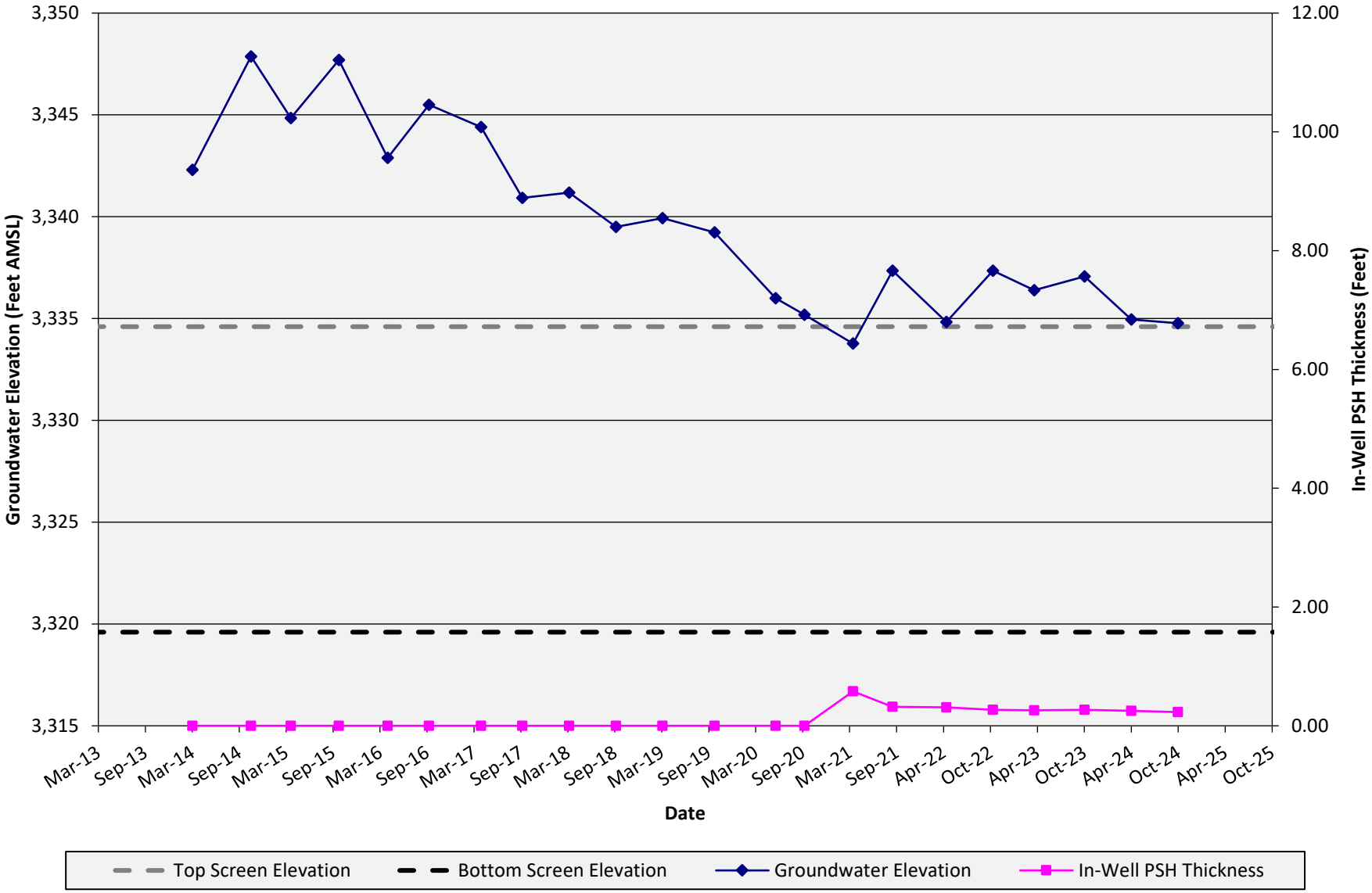
Field East of Refinery



MW-126A: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

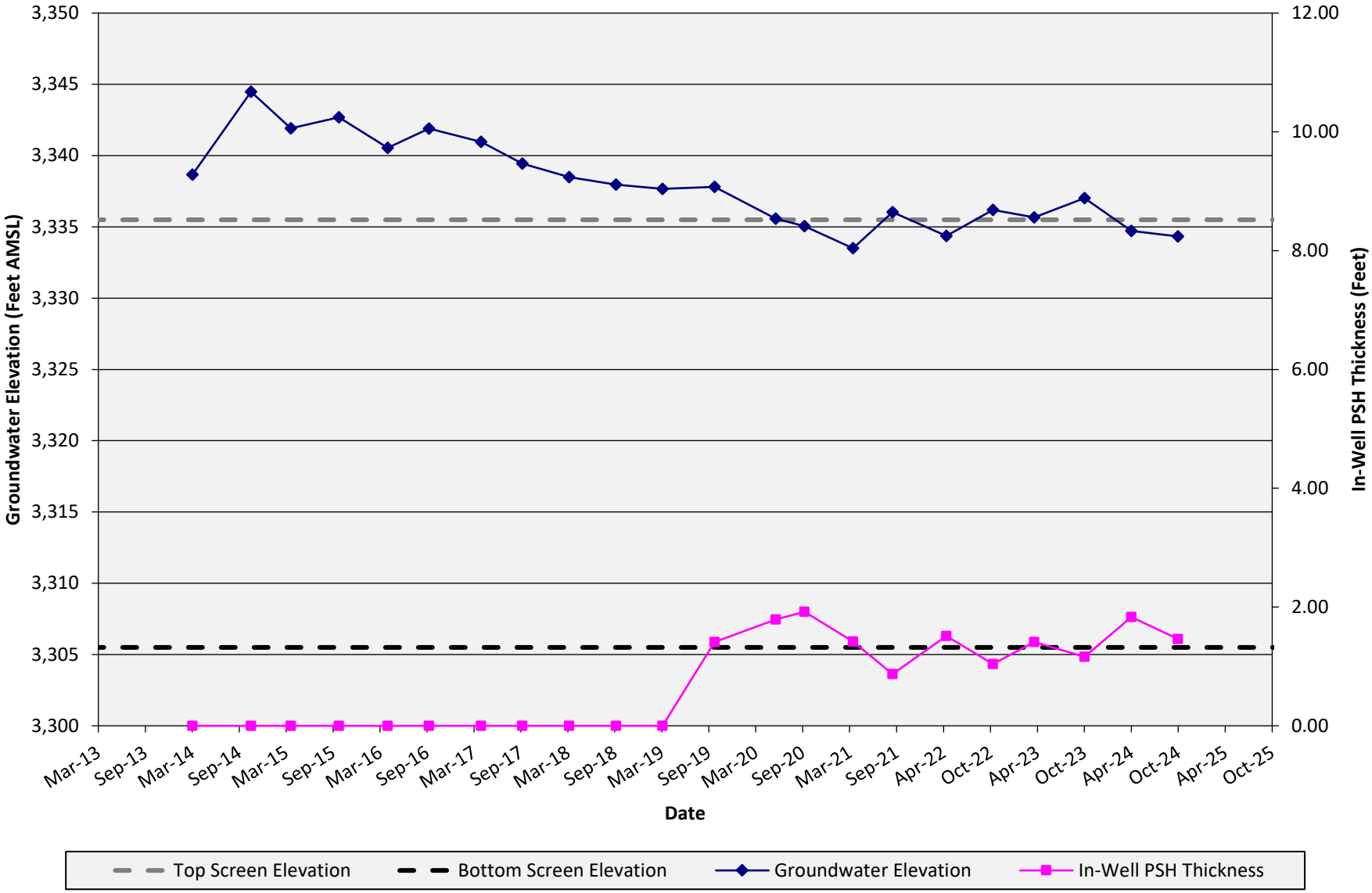
Field East of Refinery



MW-127: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

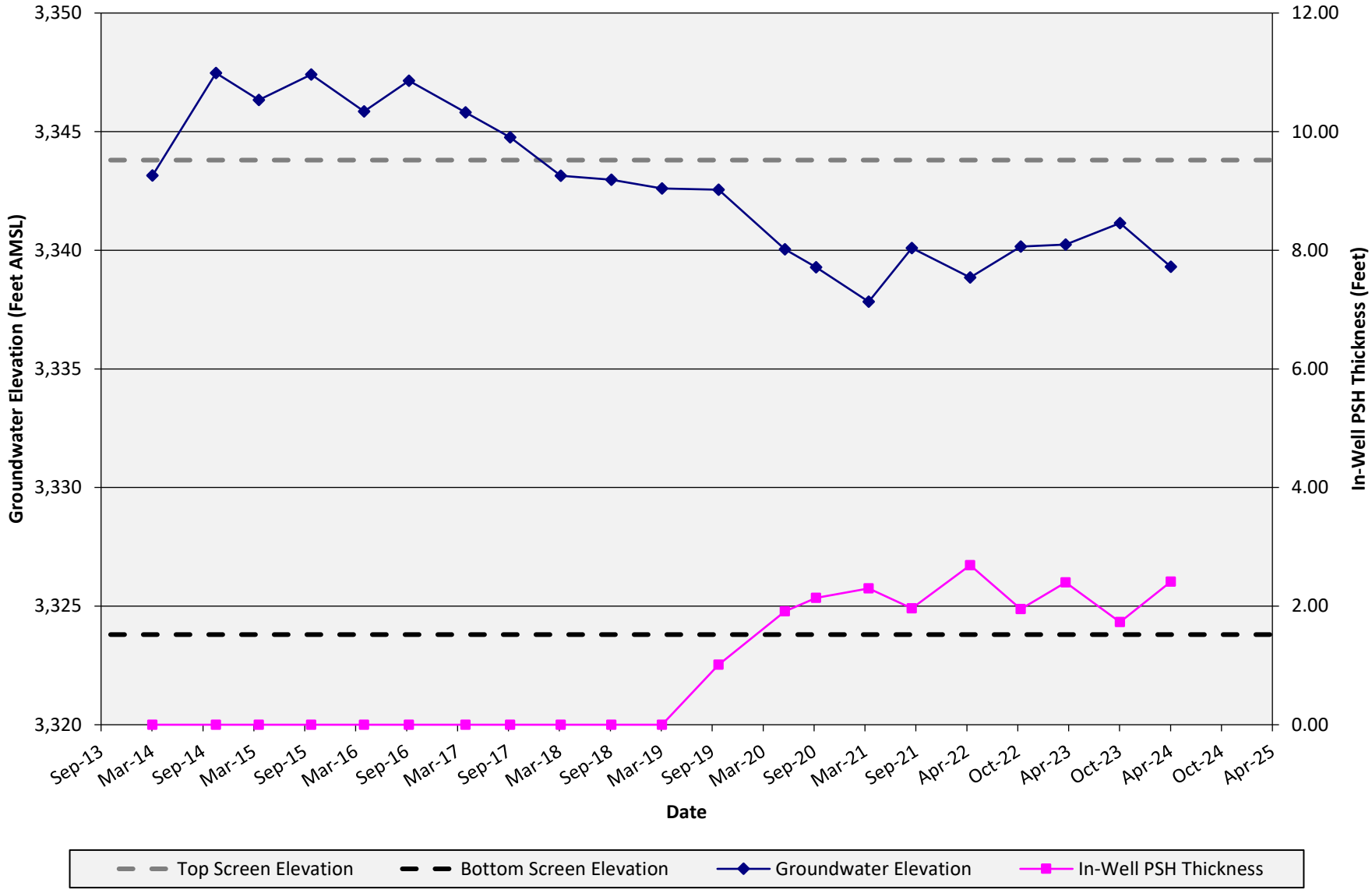
Field East of Refinery



MW-128: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

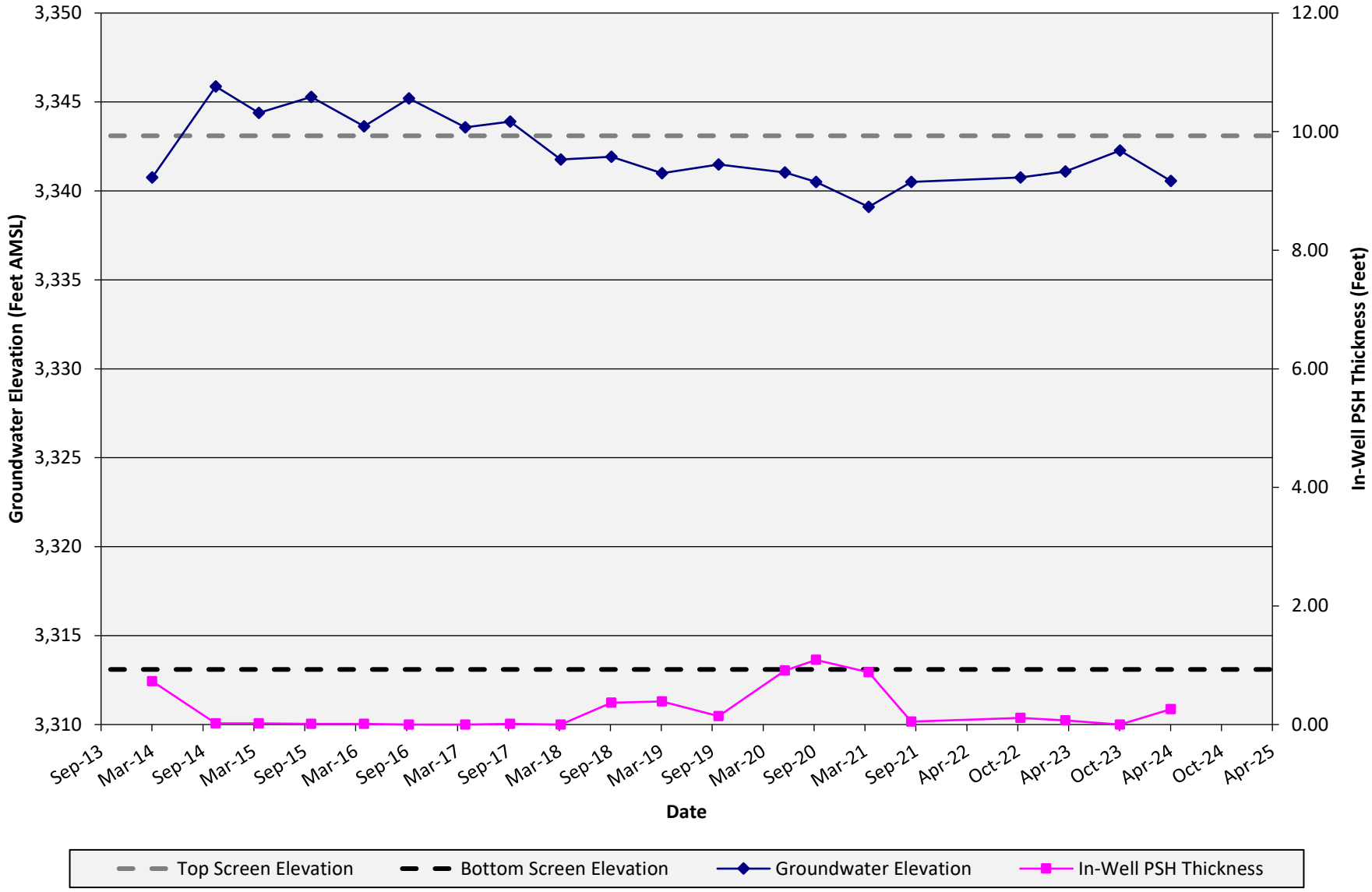
Field East of Refinery



MW-129: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

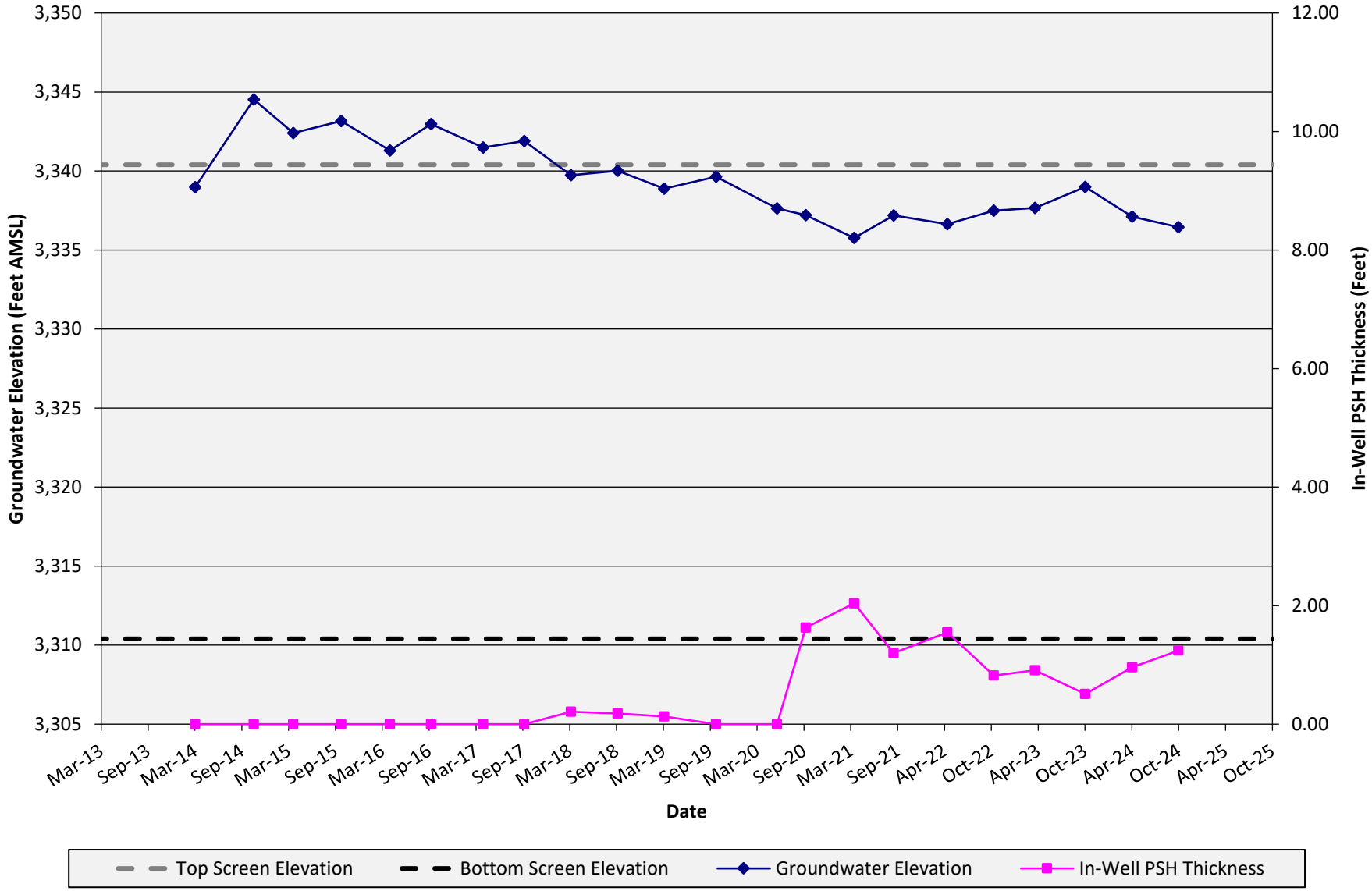
Field East of Refinery



MW-131: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

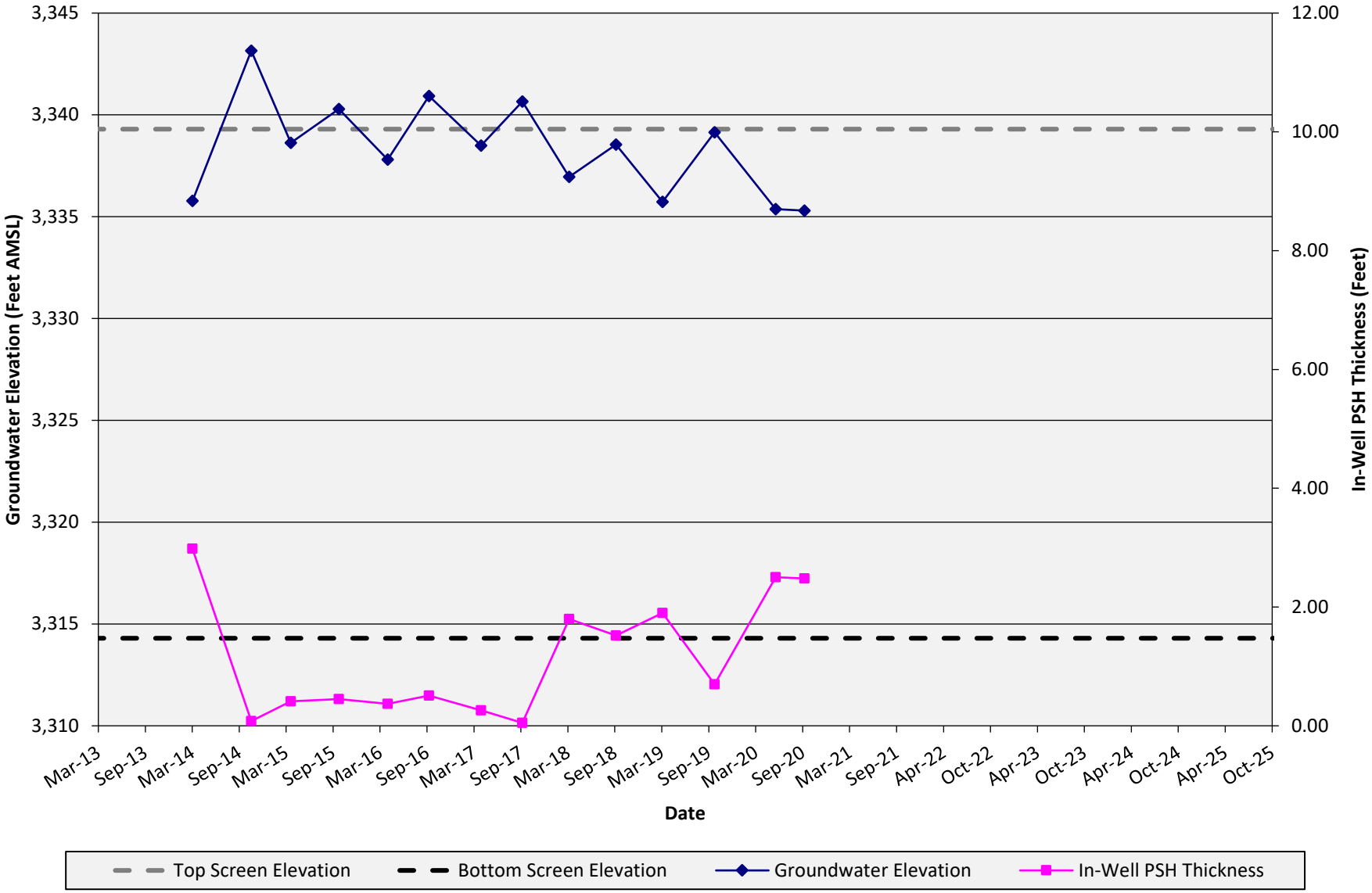
Field East of Refinery



MW-132: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

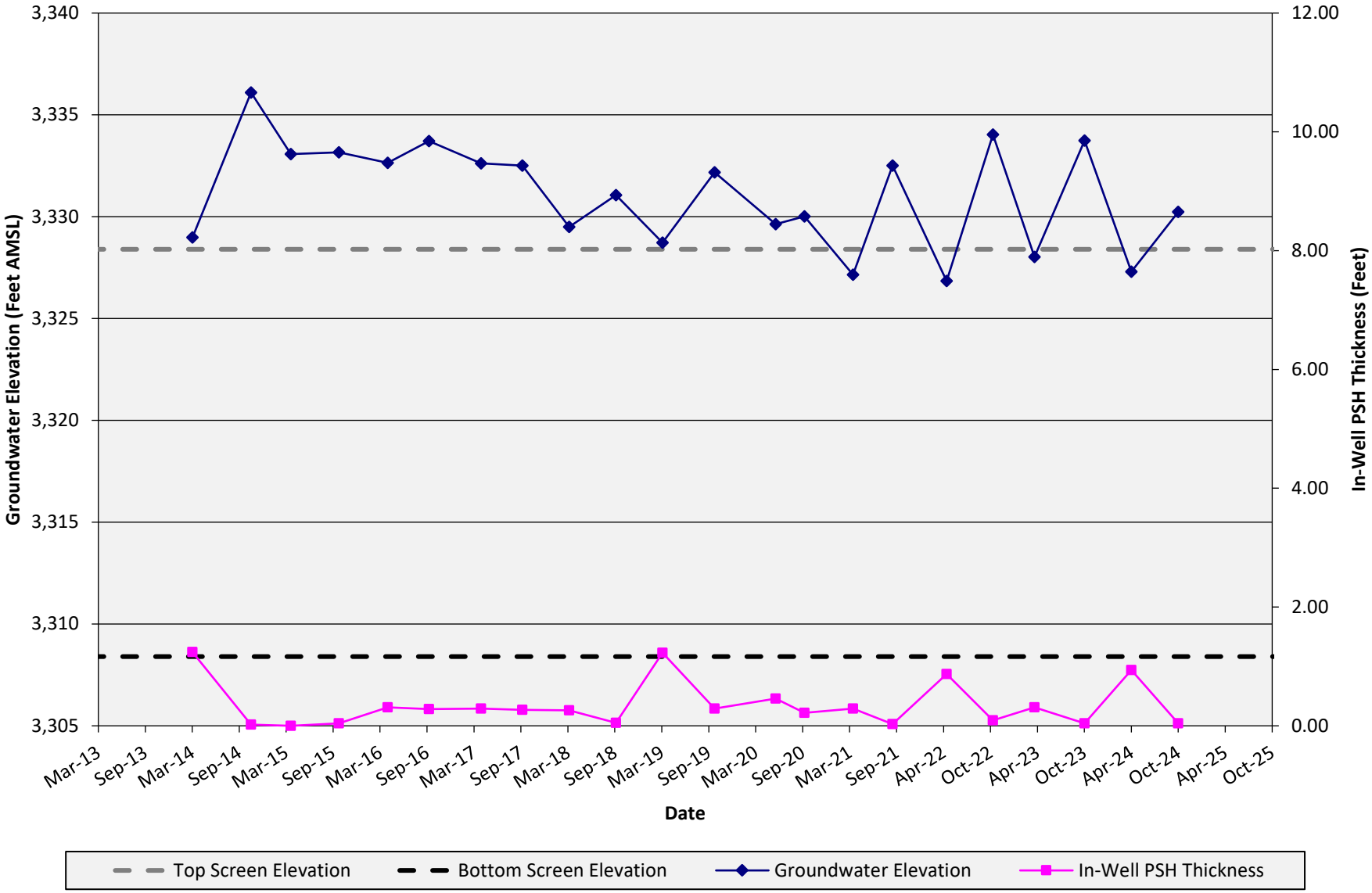
Field East of Refinery



MW-133: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

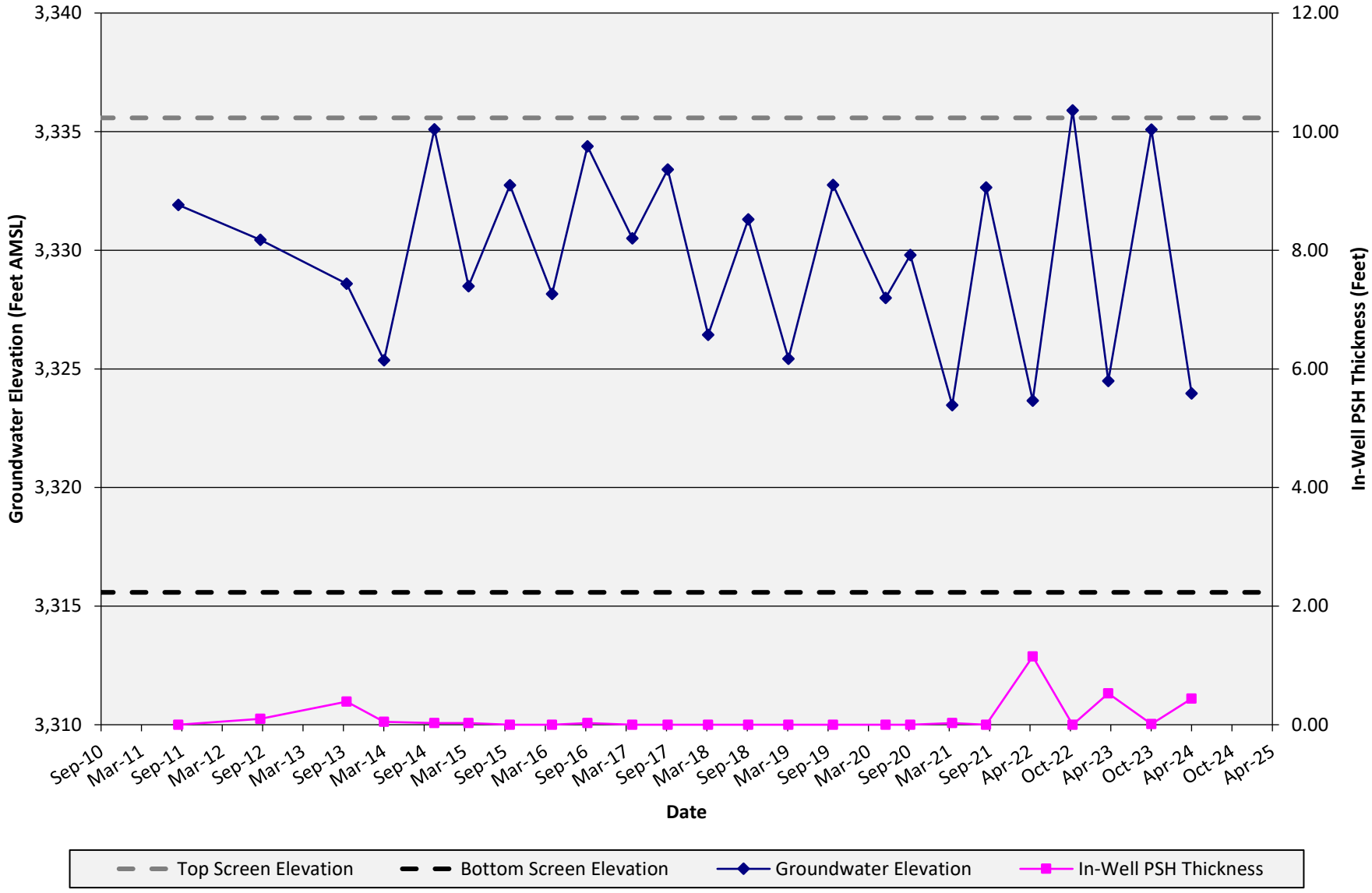
Field East of Refinery



RW-12R: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

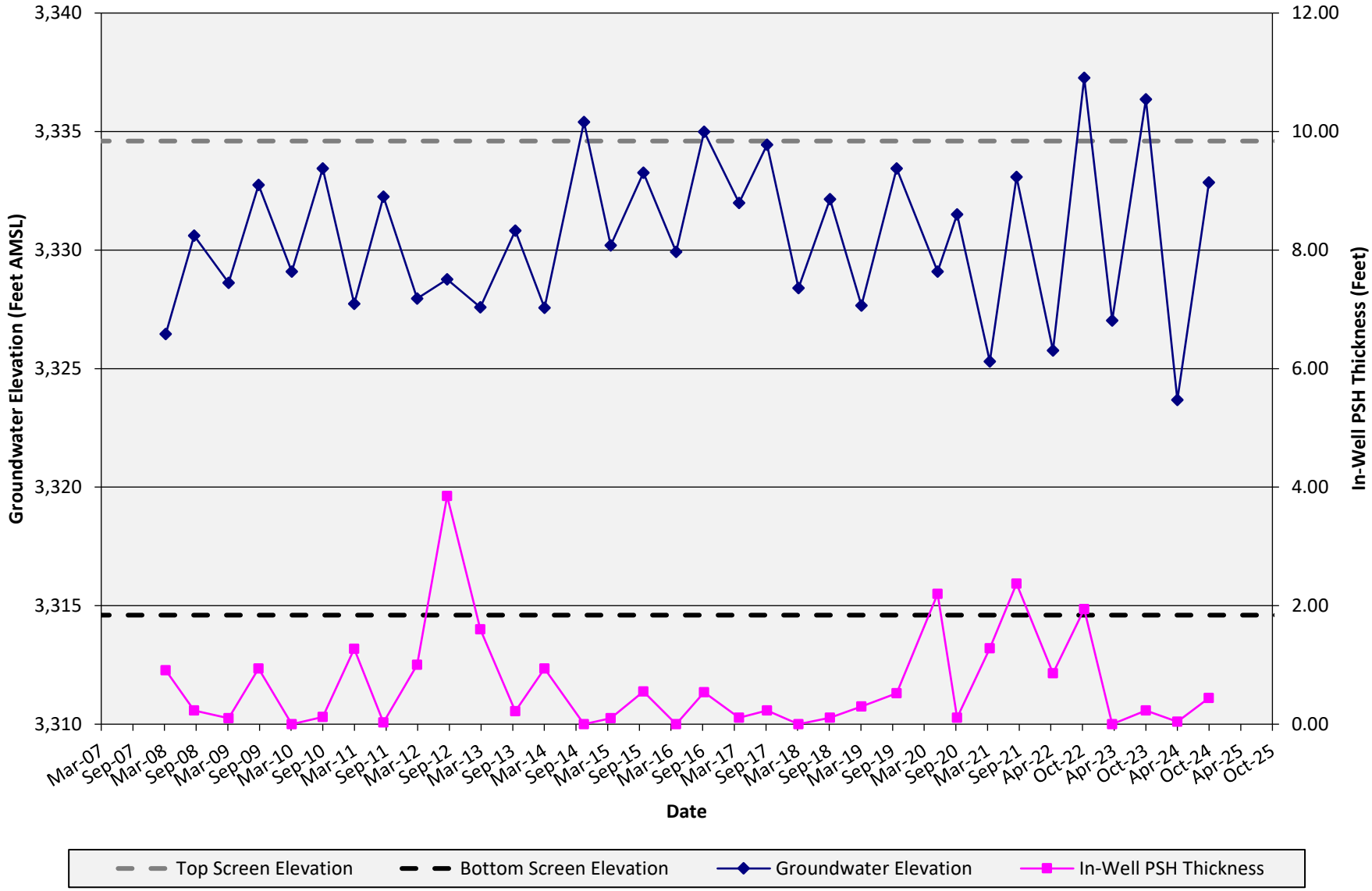
Field East of Refinery



RW-13R: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

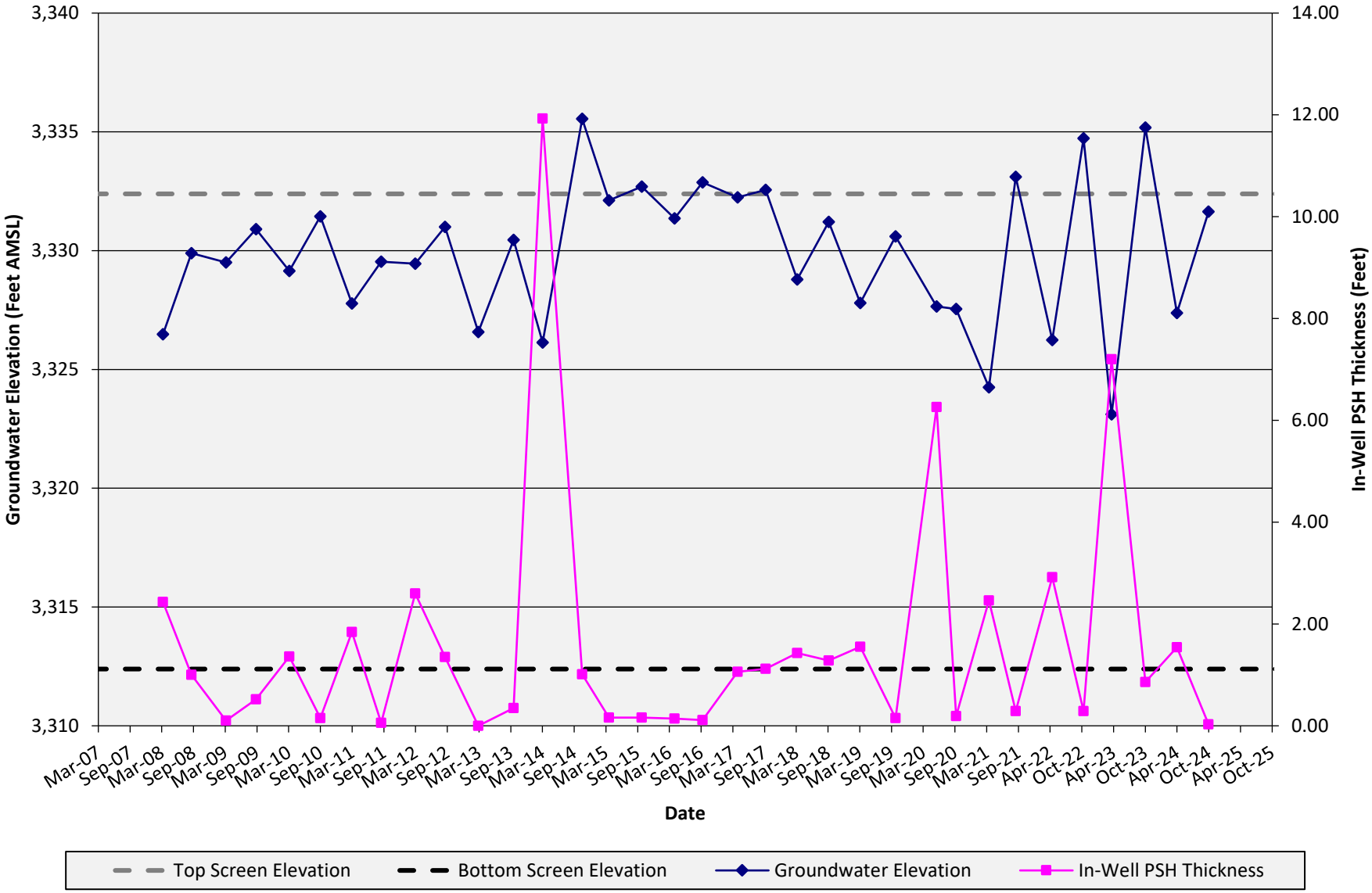
Field East of Refinery



RW-14R: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

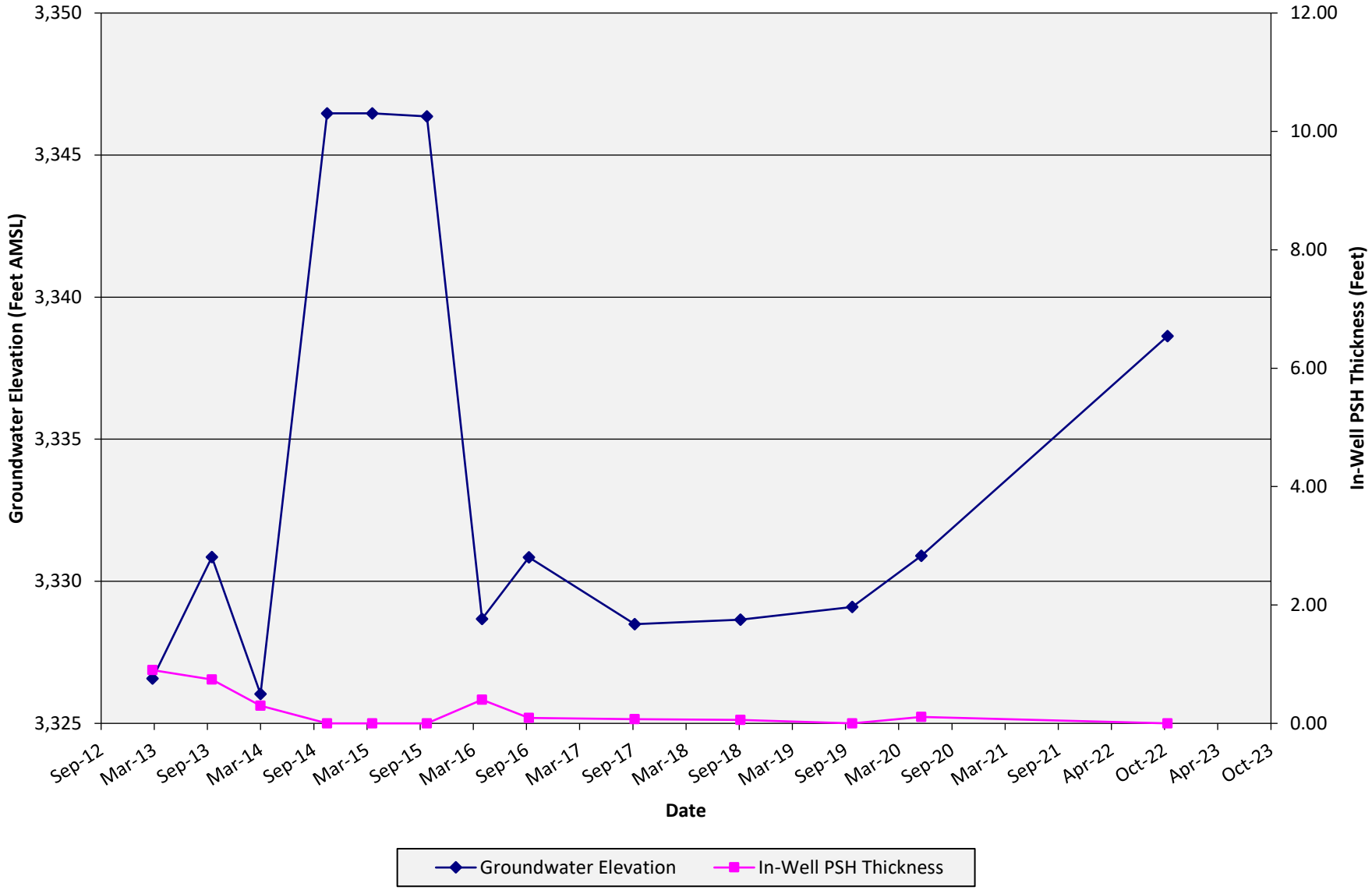
Field East of Refinery



RW-20/RW-20A: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

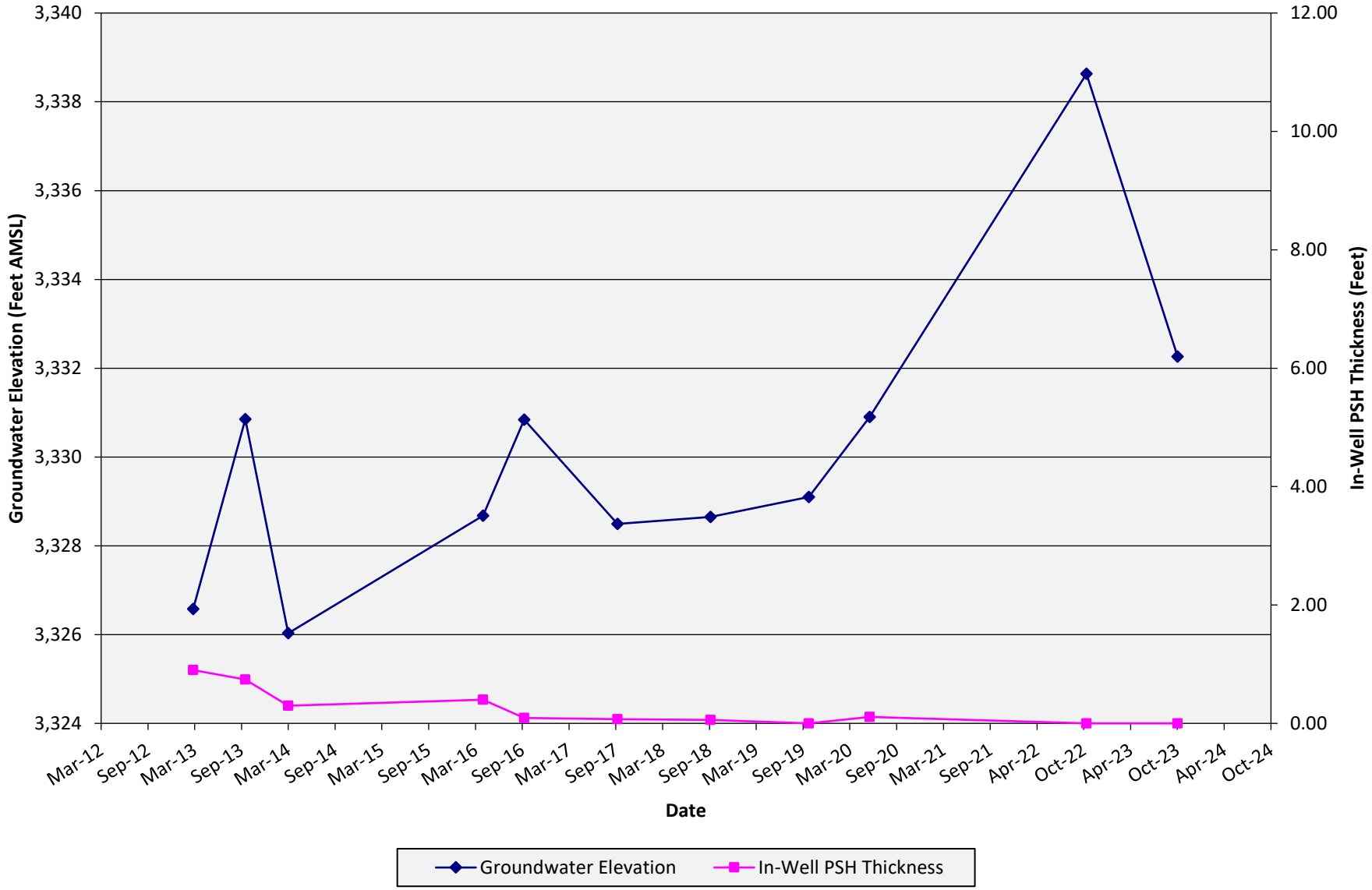
Field East of Refinery



RW-20A: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

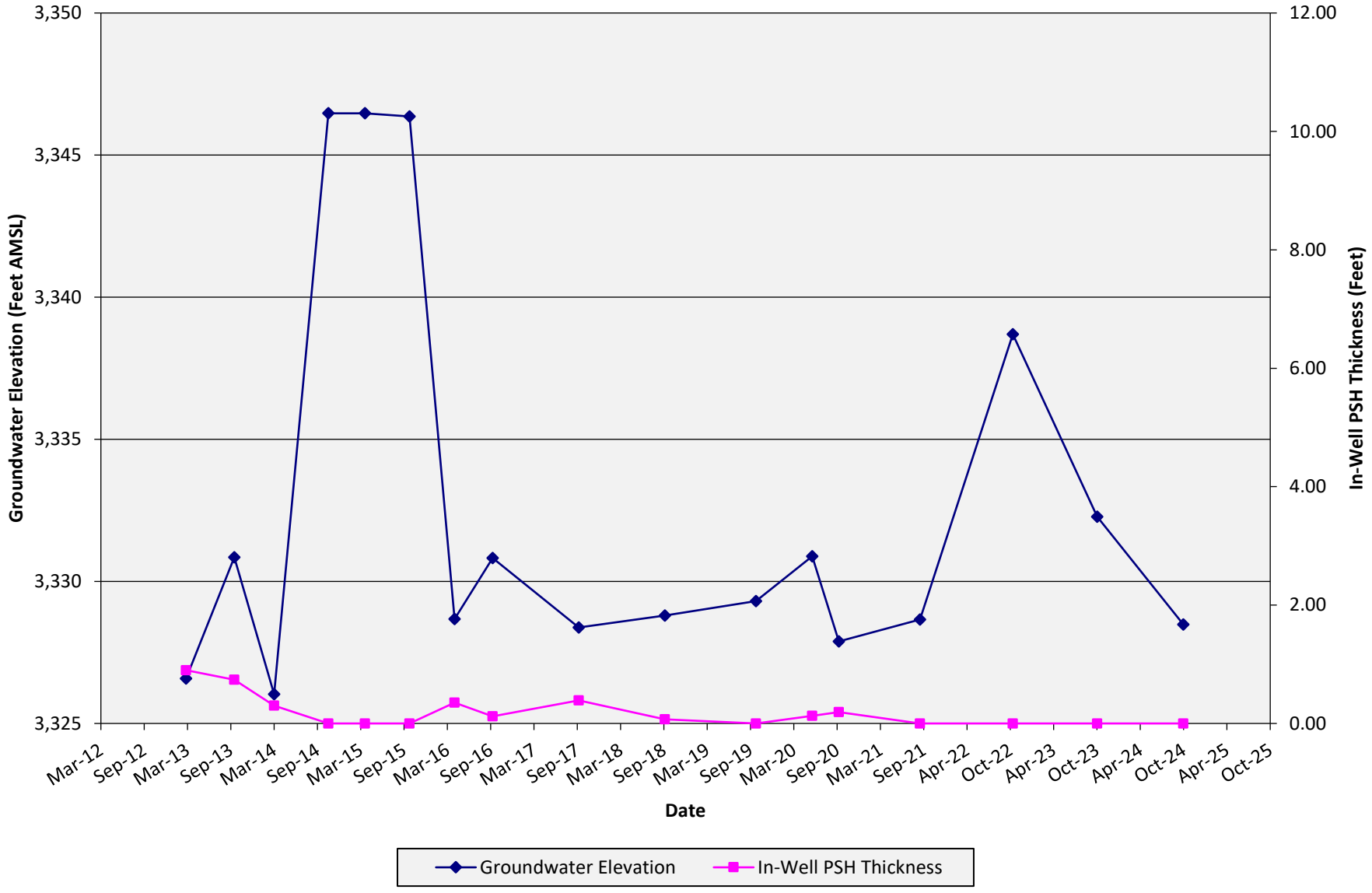
Field East of Refinery



RW-20B: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

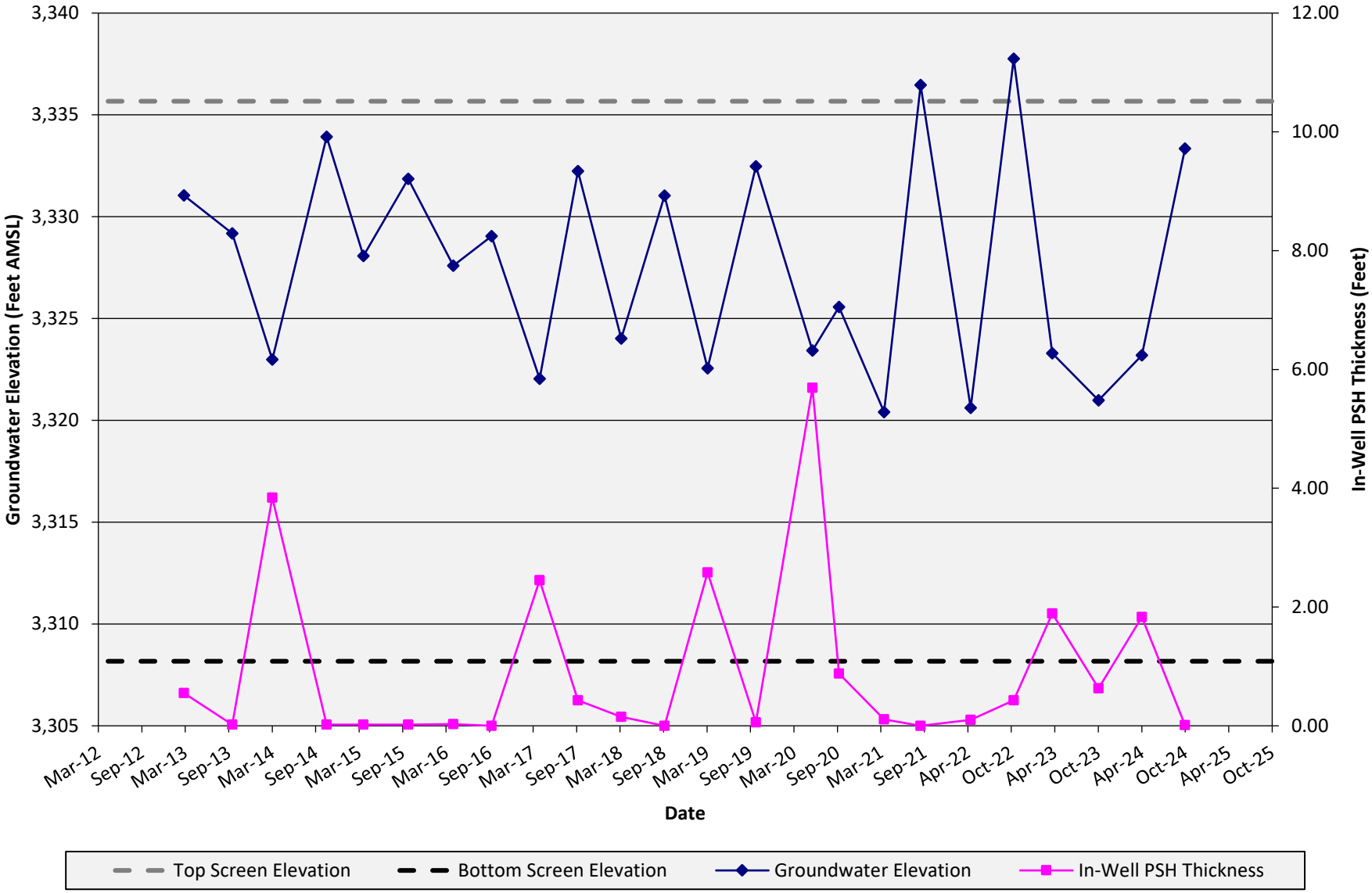
Field East of Refinery



RW-22: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

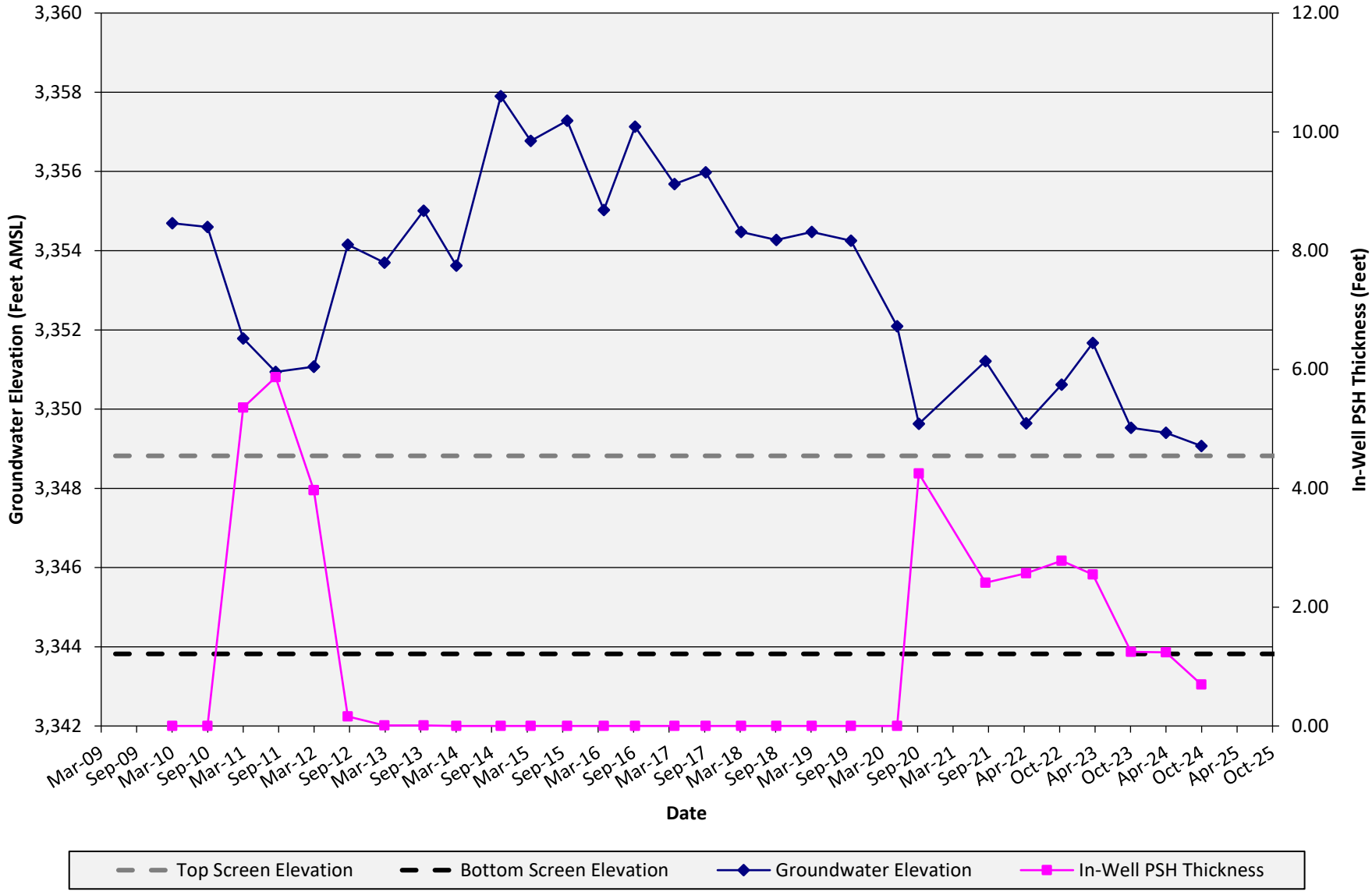
Field East of Refinery



NCL-34A: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

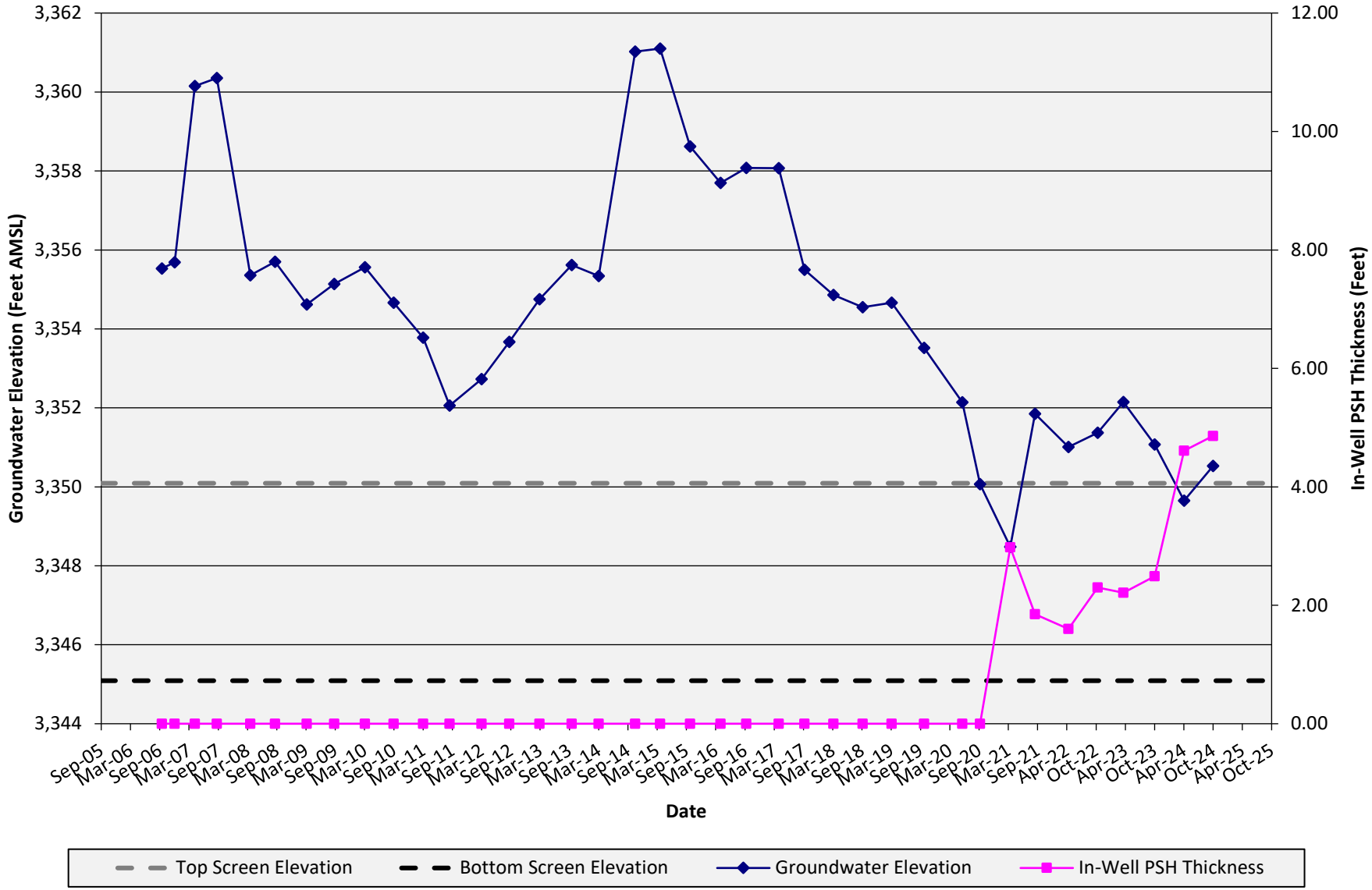
North Colony Landfarm



MW-23: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

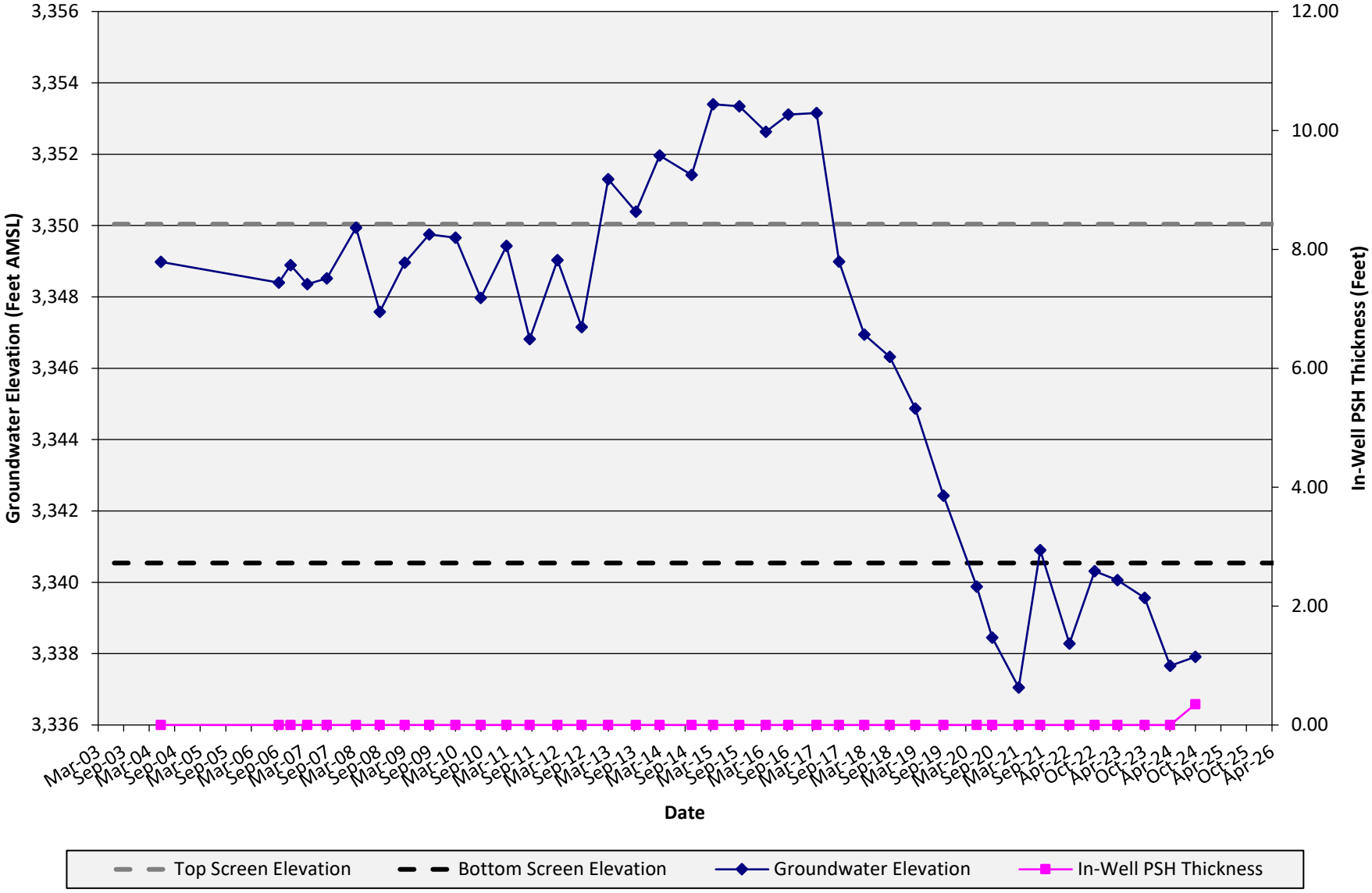
North Refinery



MW-29: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

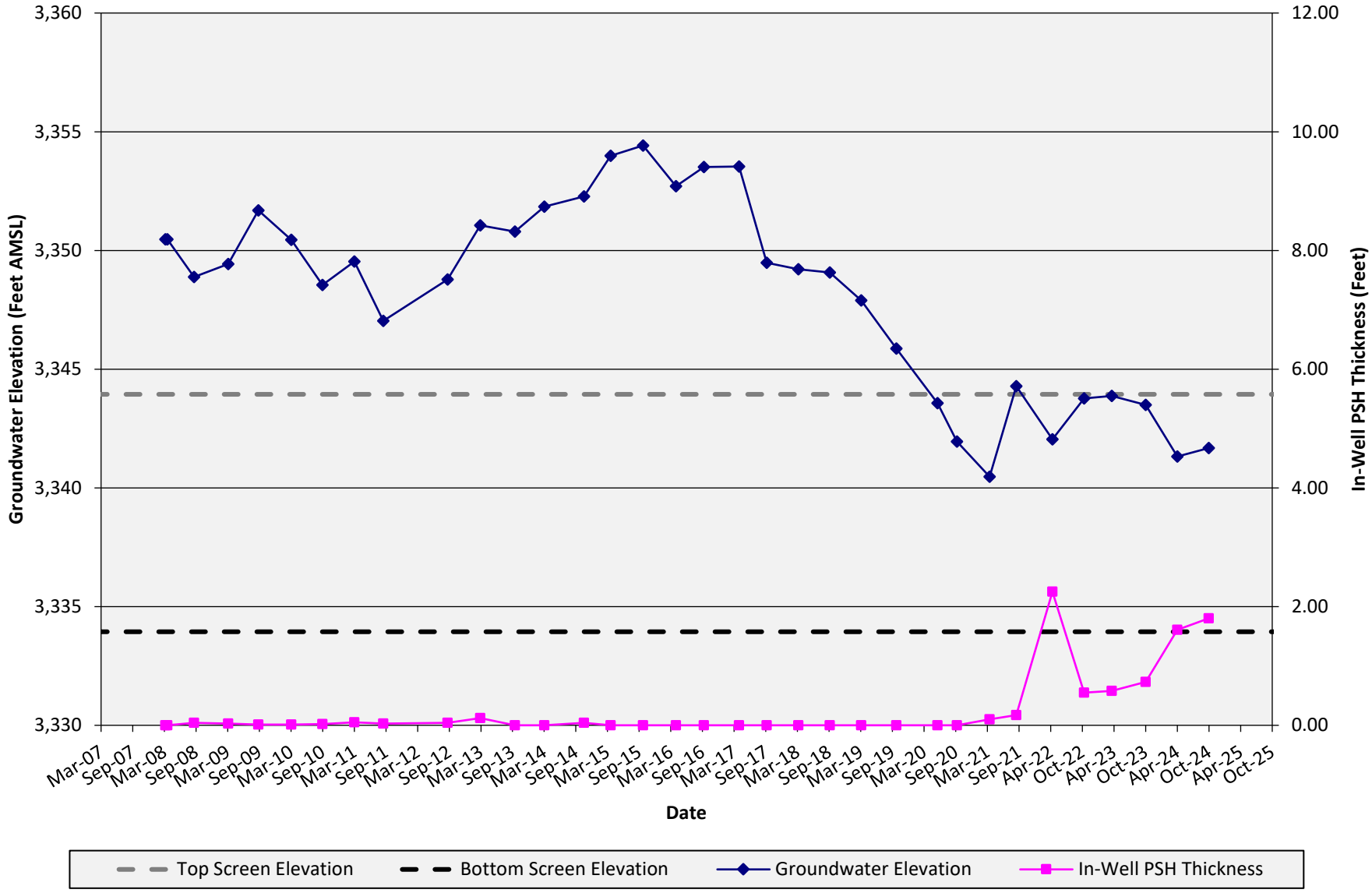
North Refinery



MW-39: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

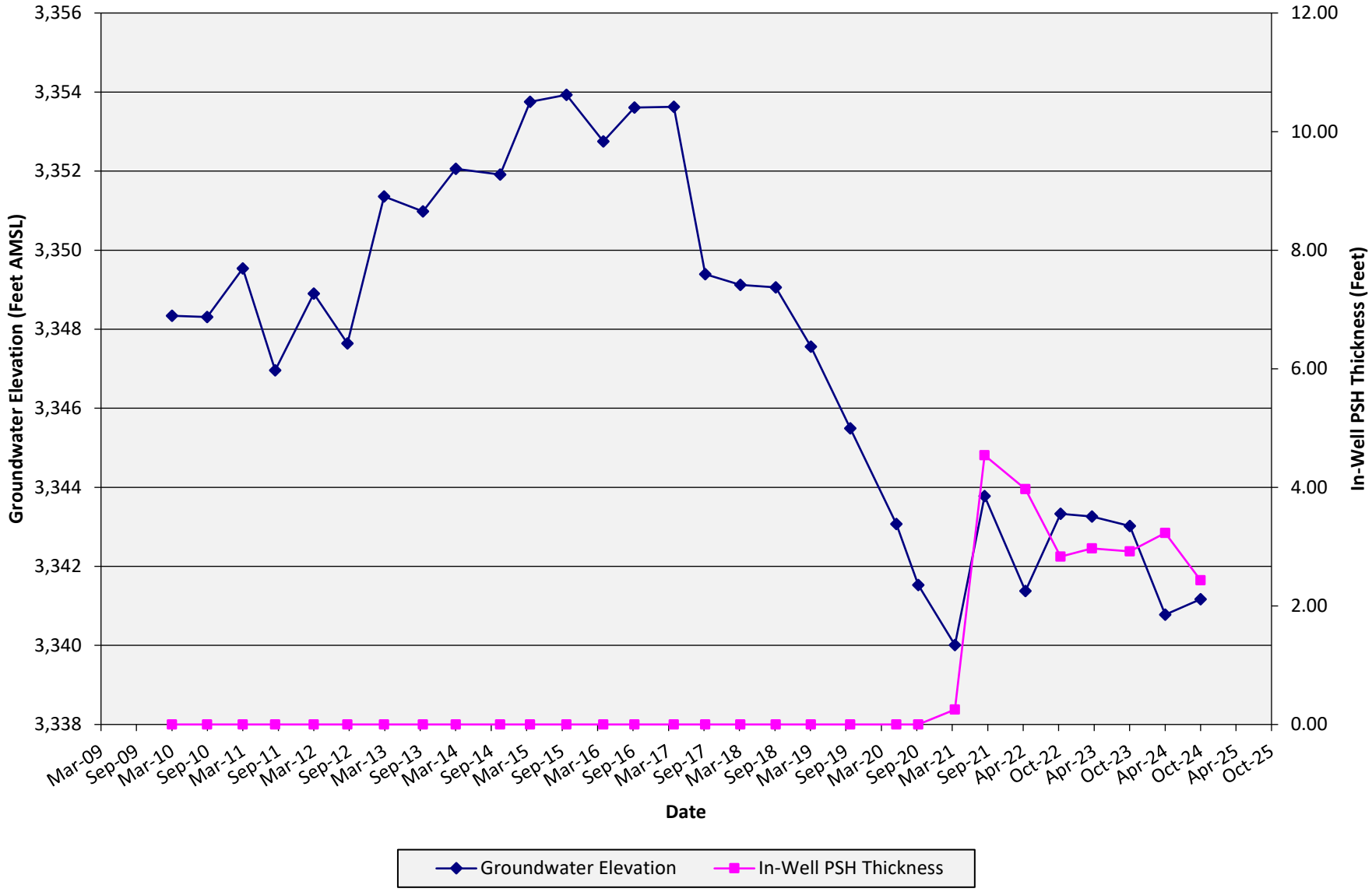
North Refinery



MW-40: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

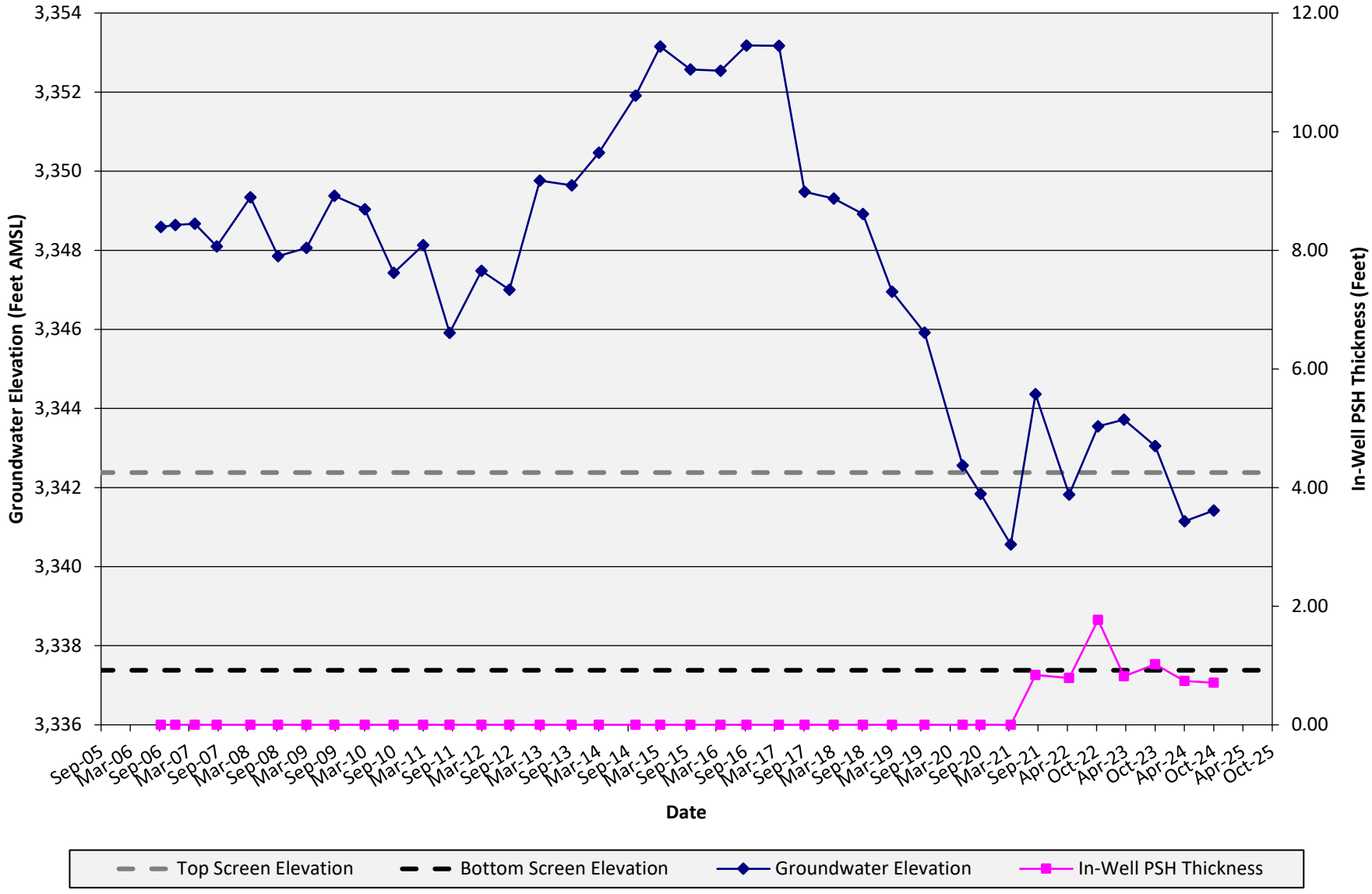
North Refinery



MW-41: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

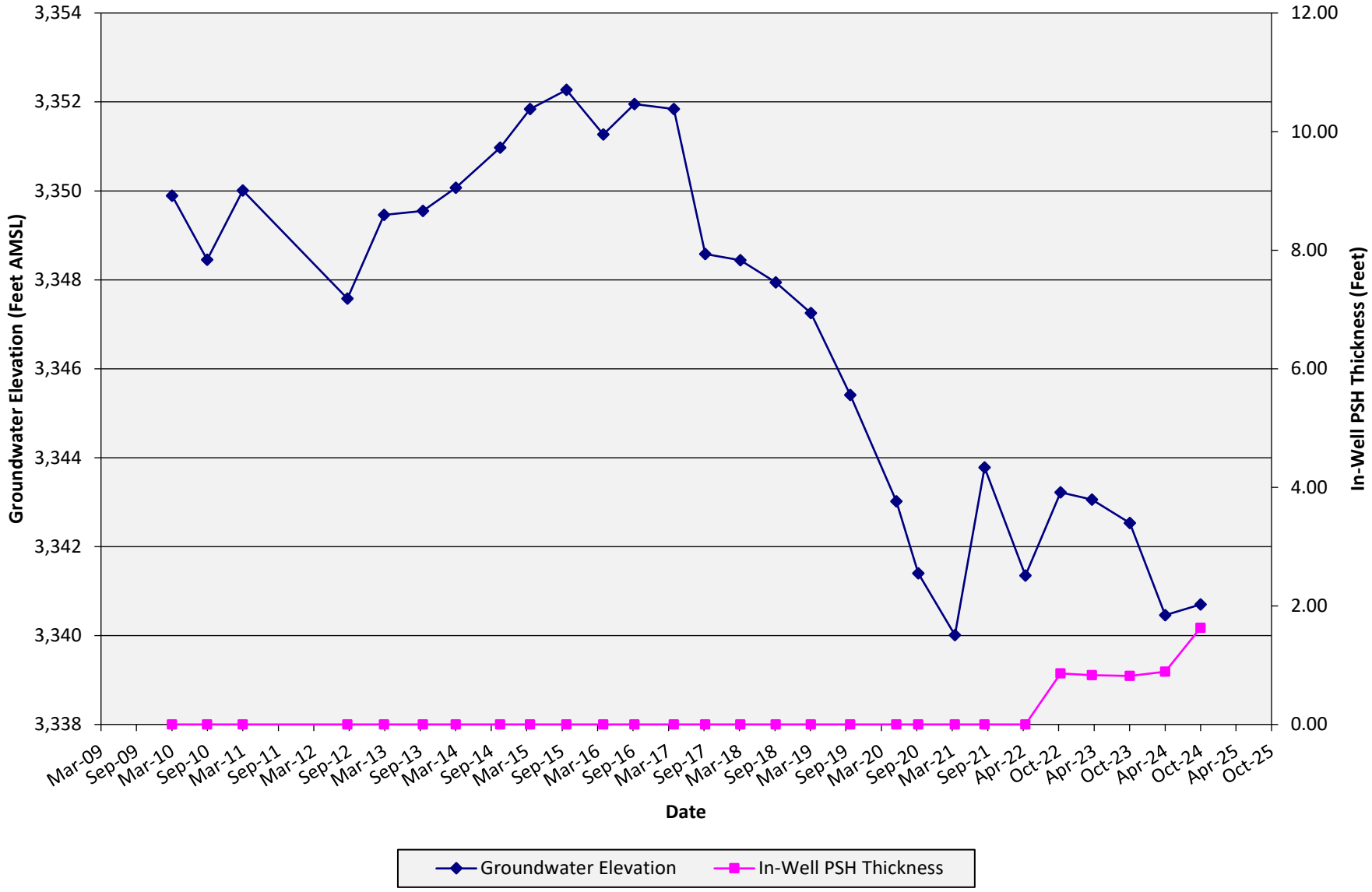
North Refinery



MW-42: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

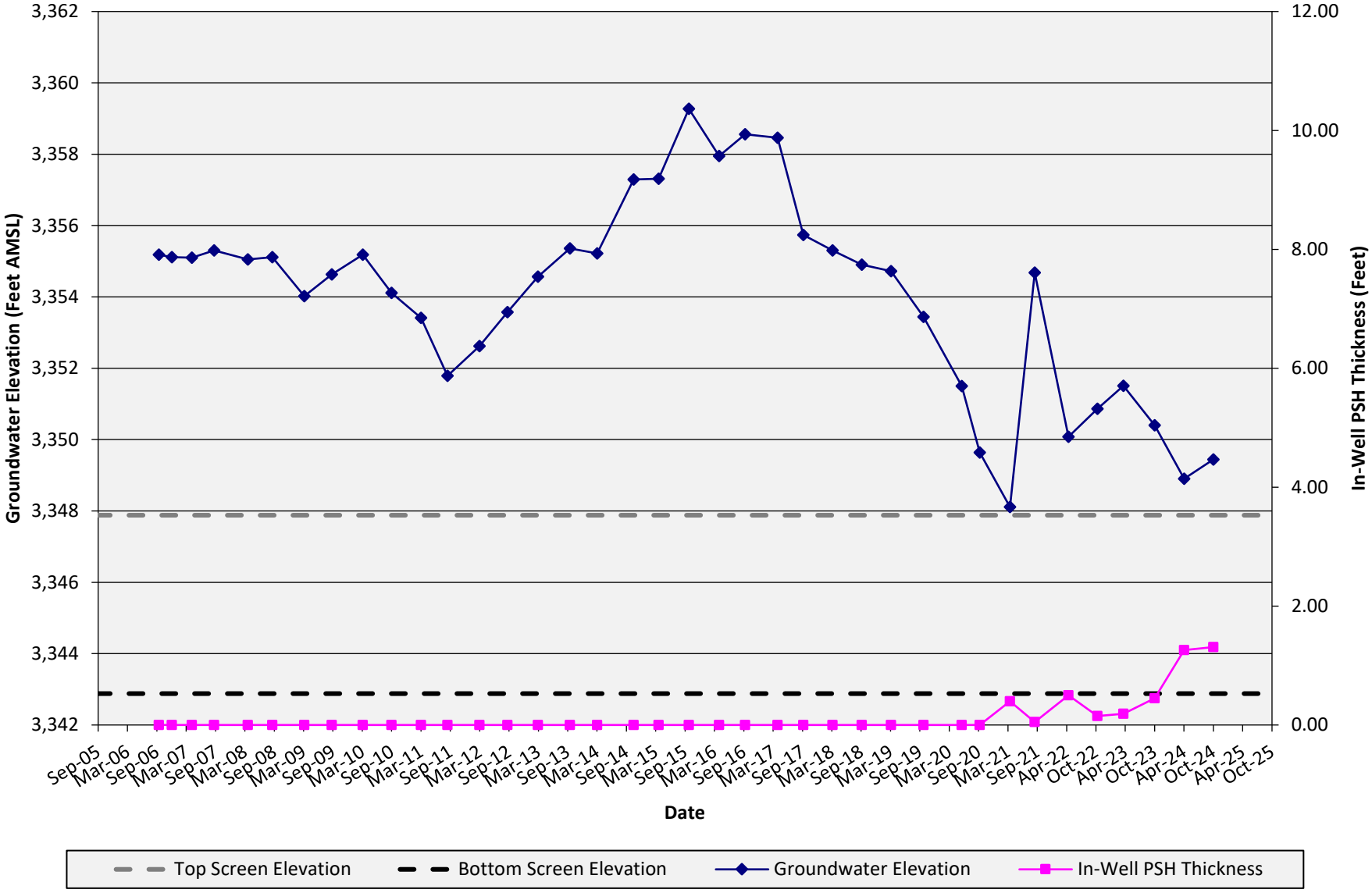
North Refinery



MW-43: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

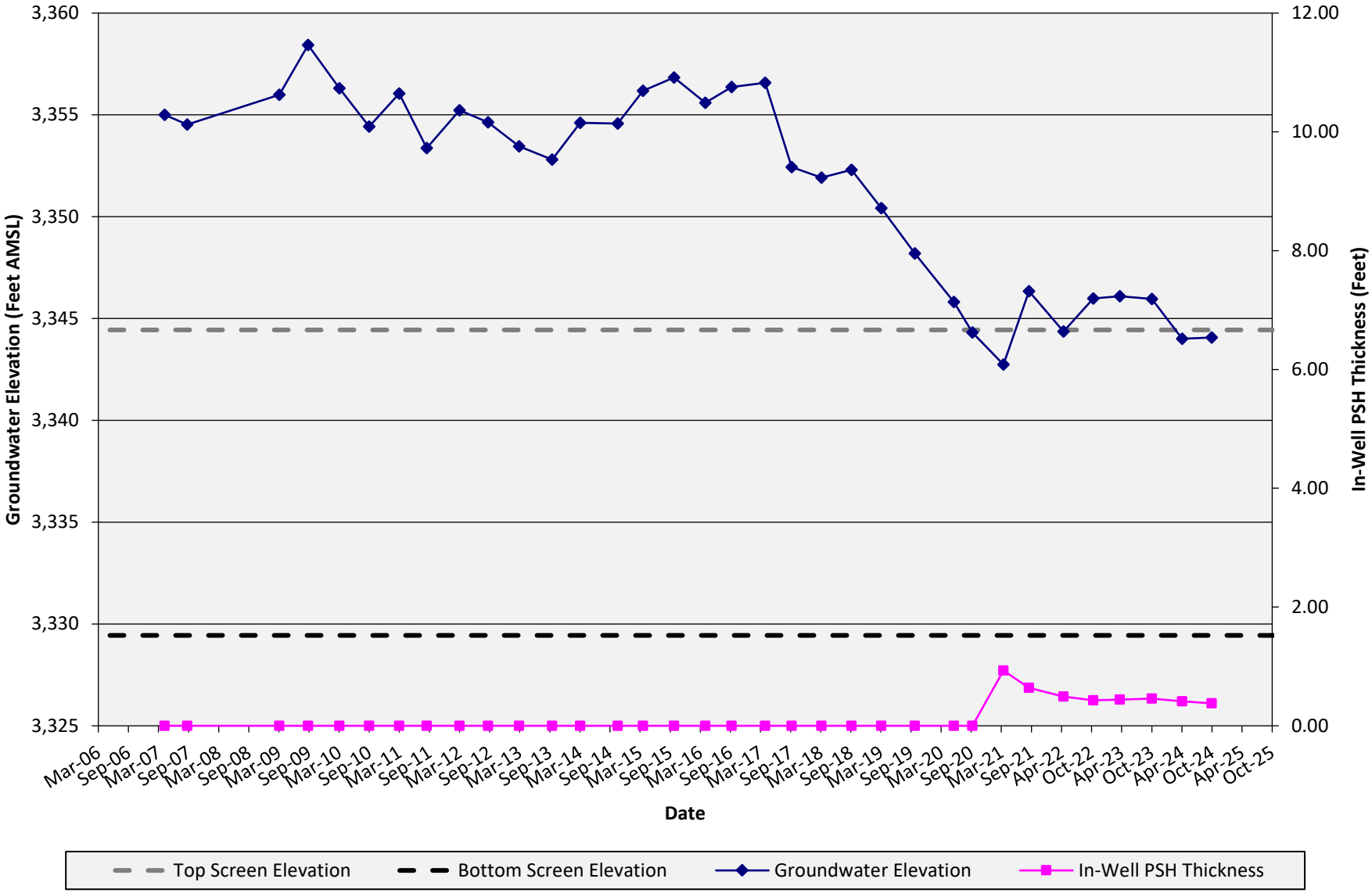
North Refinery



MW-59: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

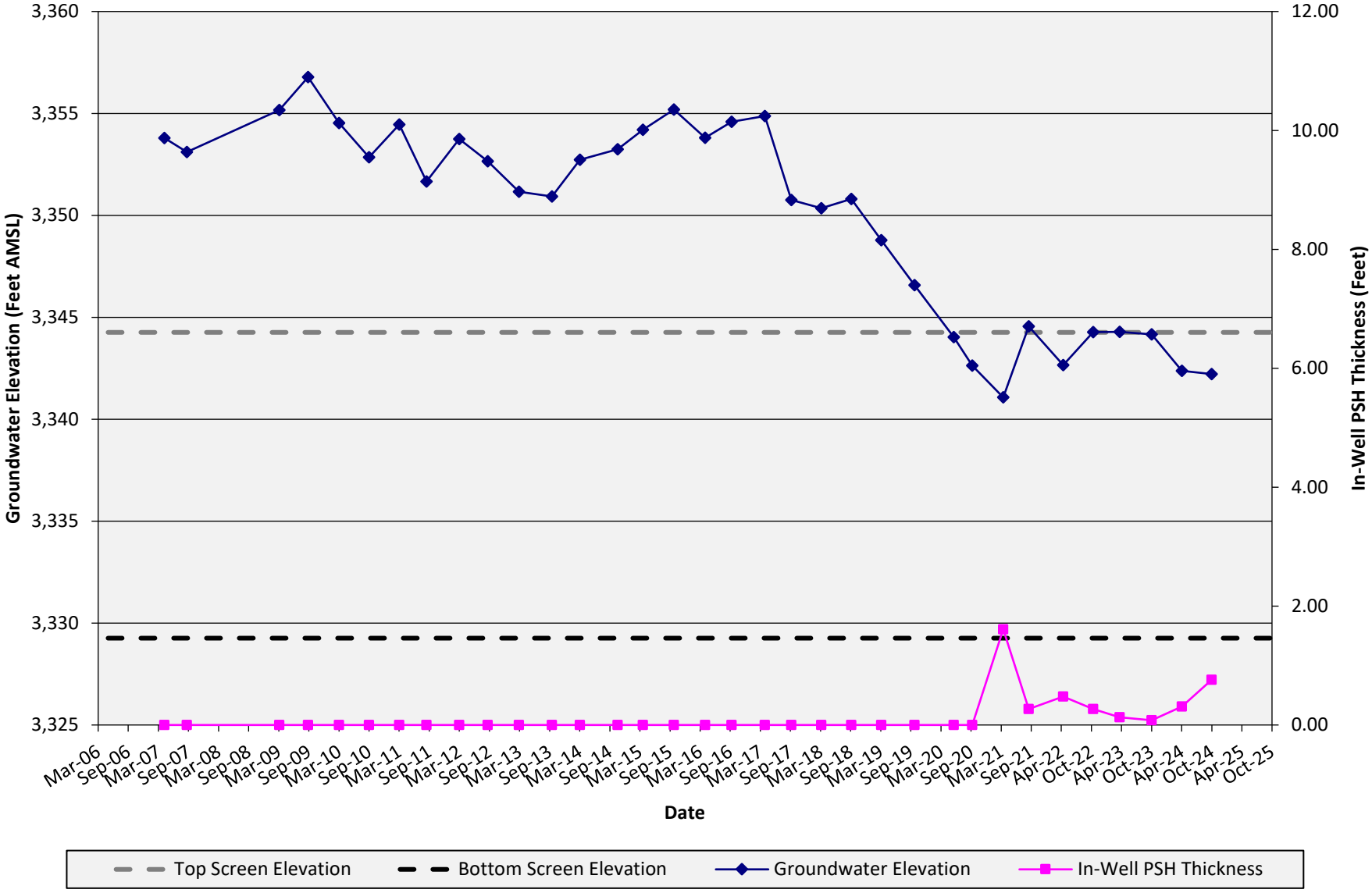
North Refinery



MW-60: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

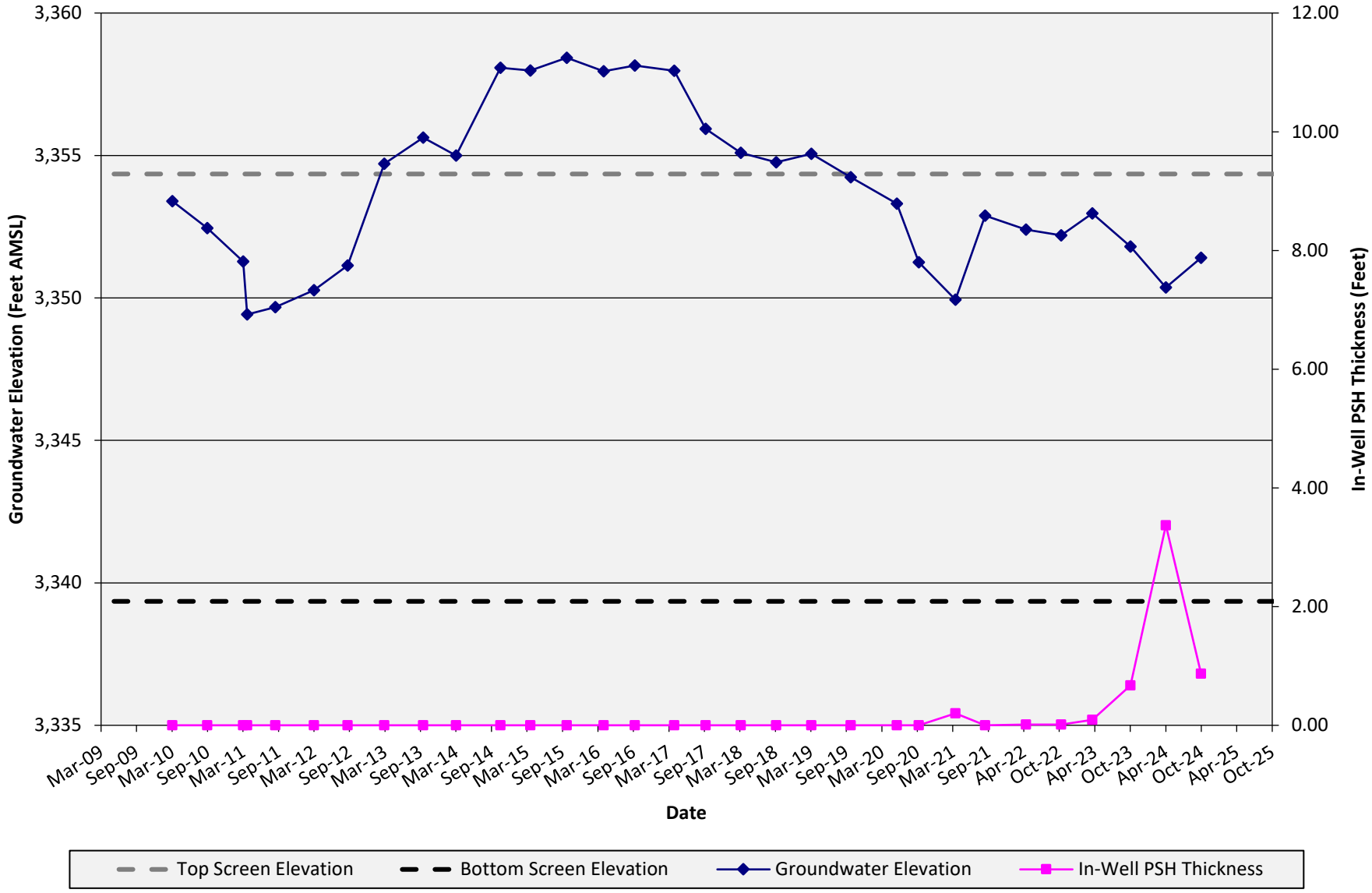
North Refinery



MW-62: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

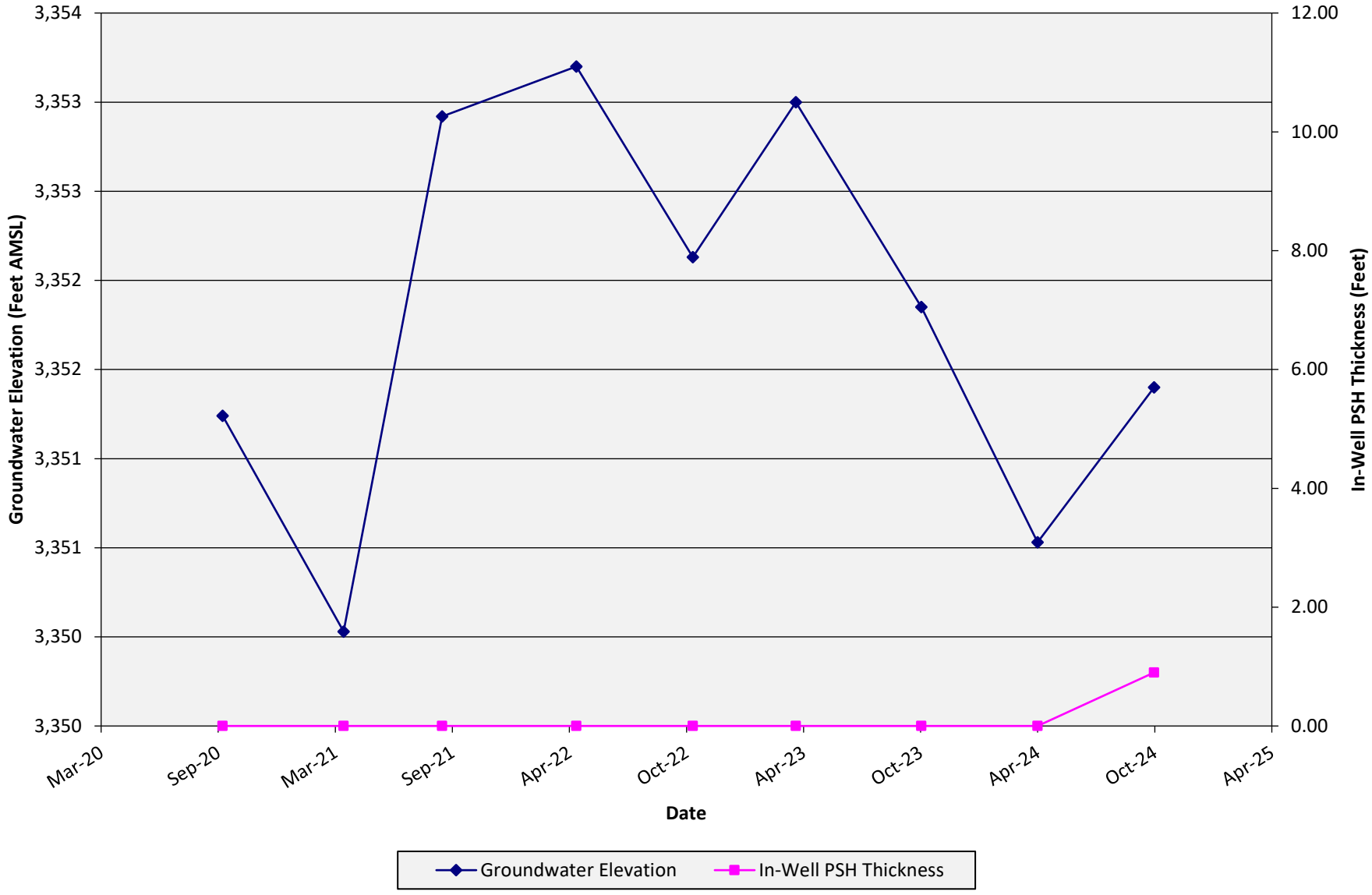
North Refinery



MW-62R: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

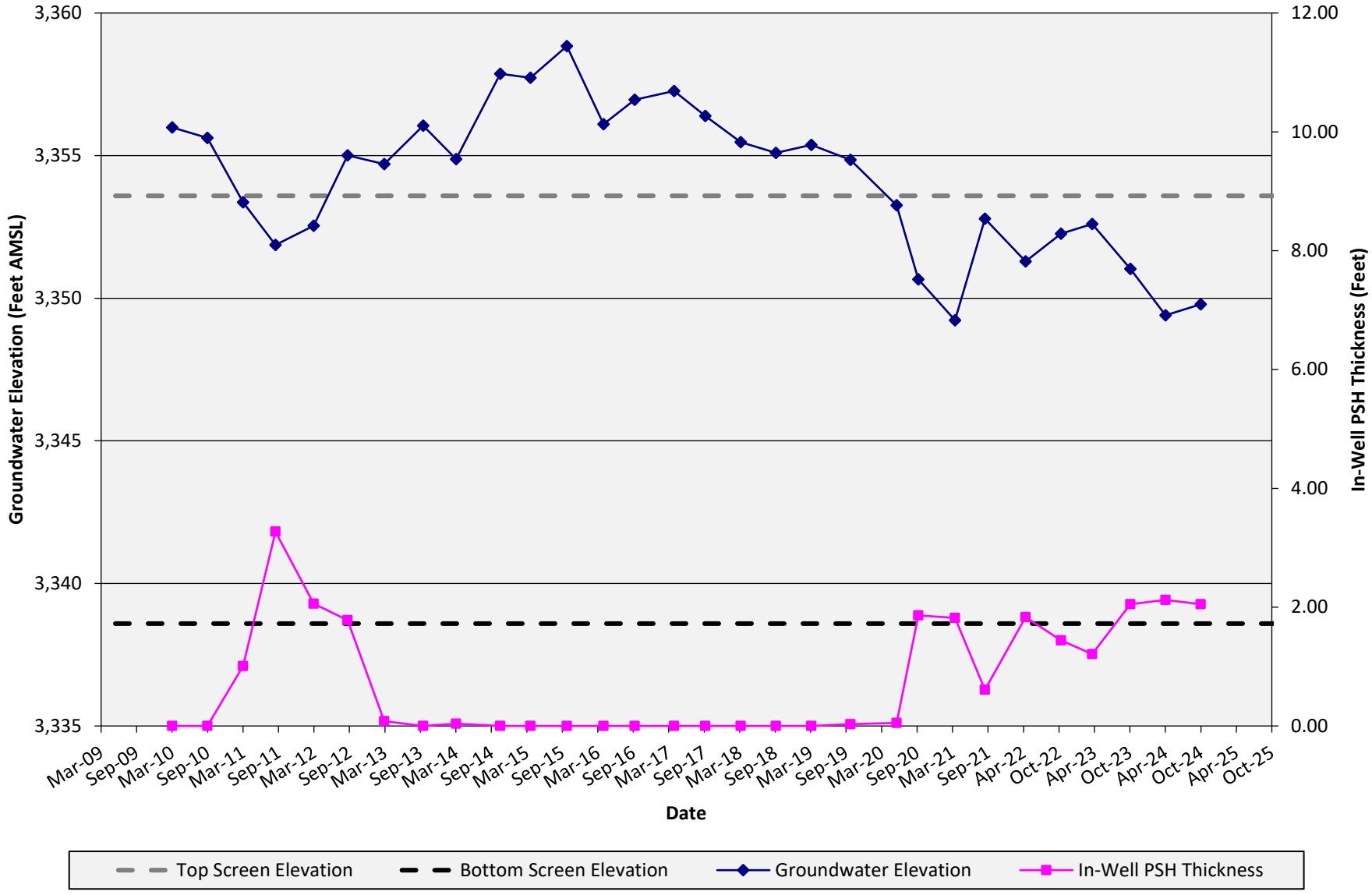
North Refinery



MW-67: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

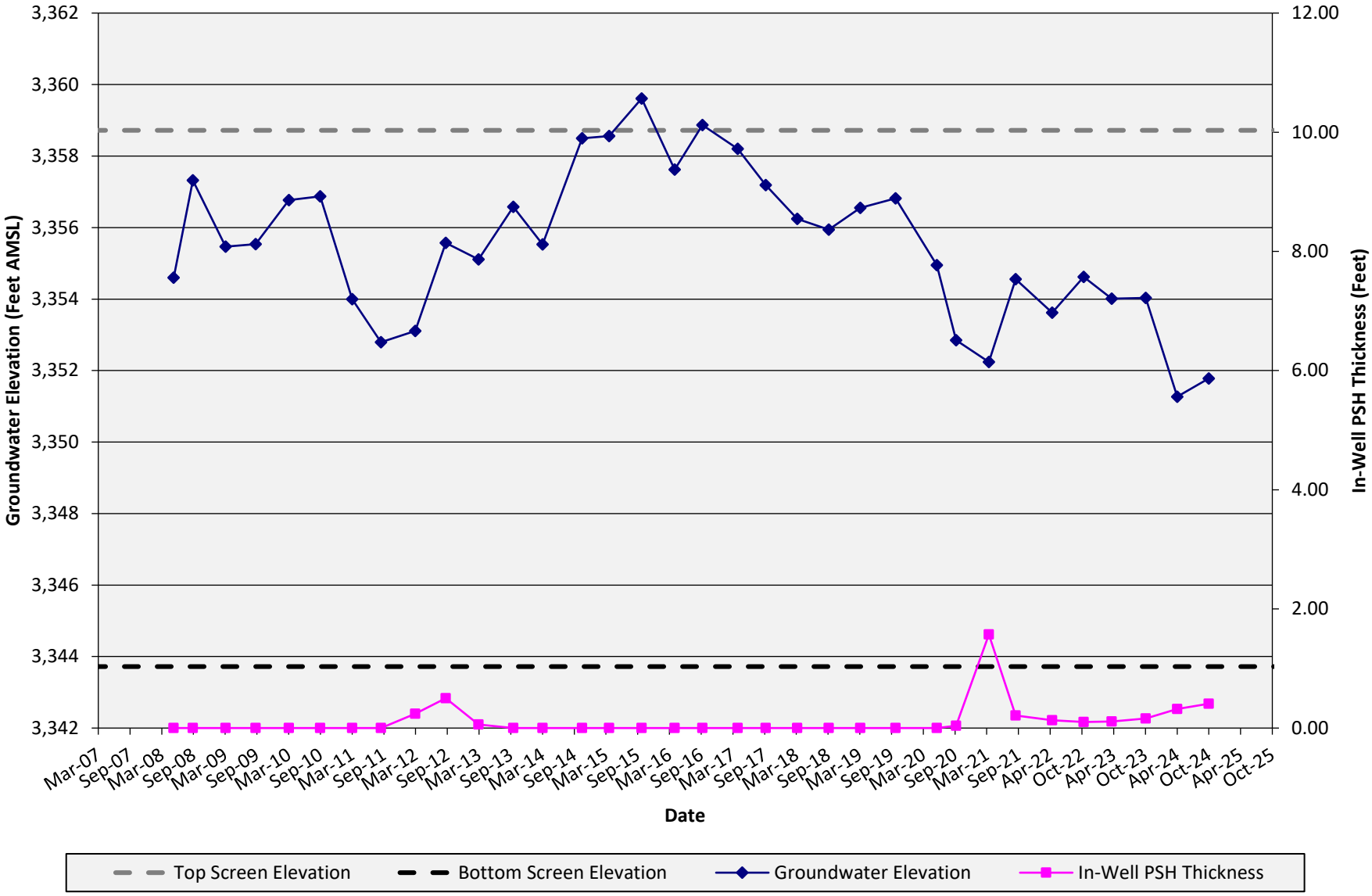
North Refinery



MW-91: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

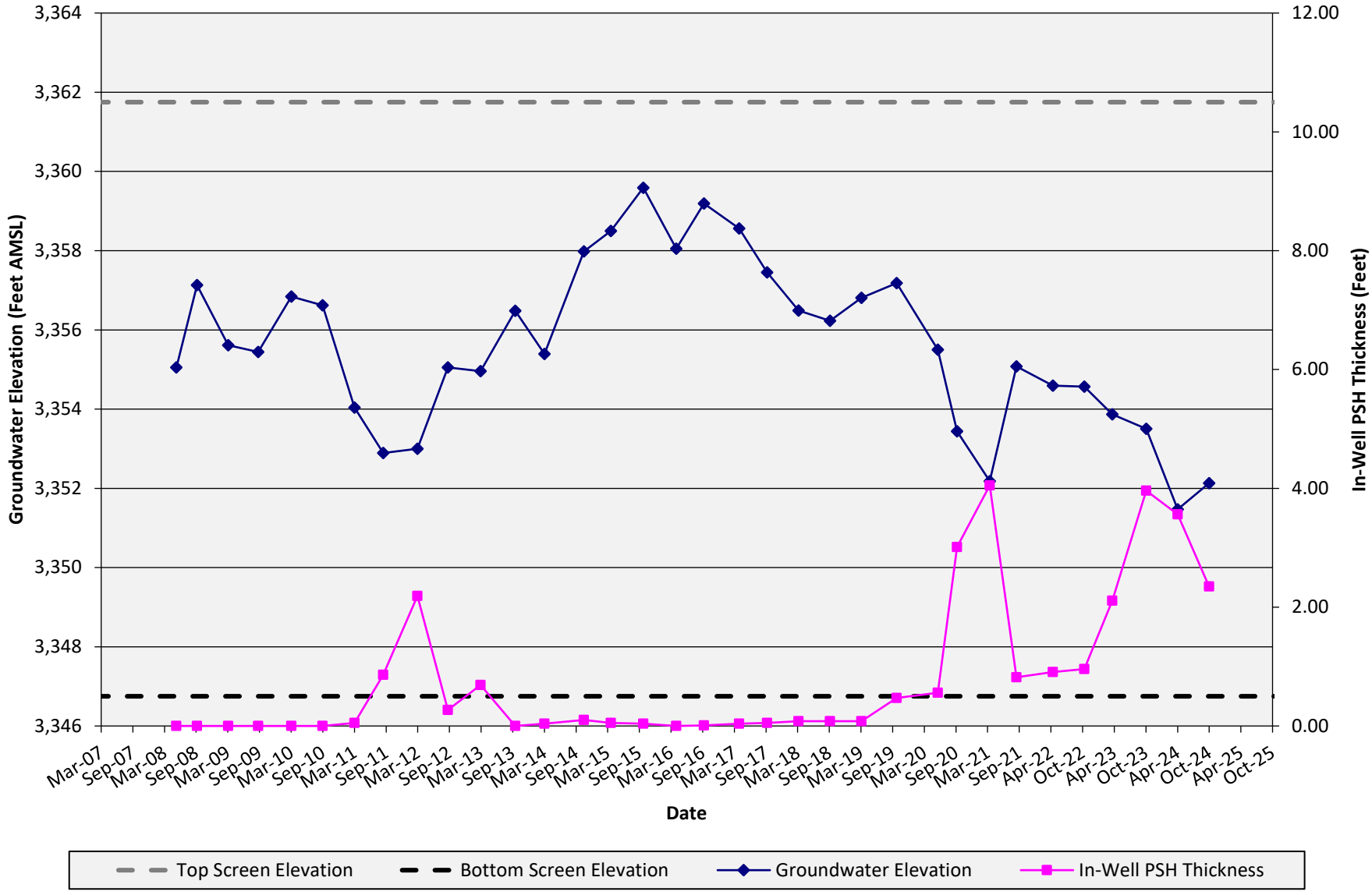
North Refinery



MW-92: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

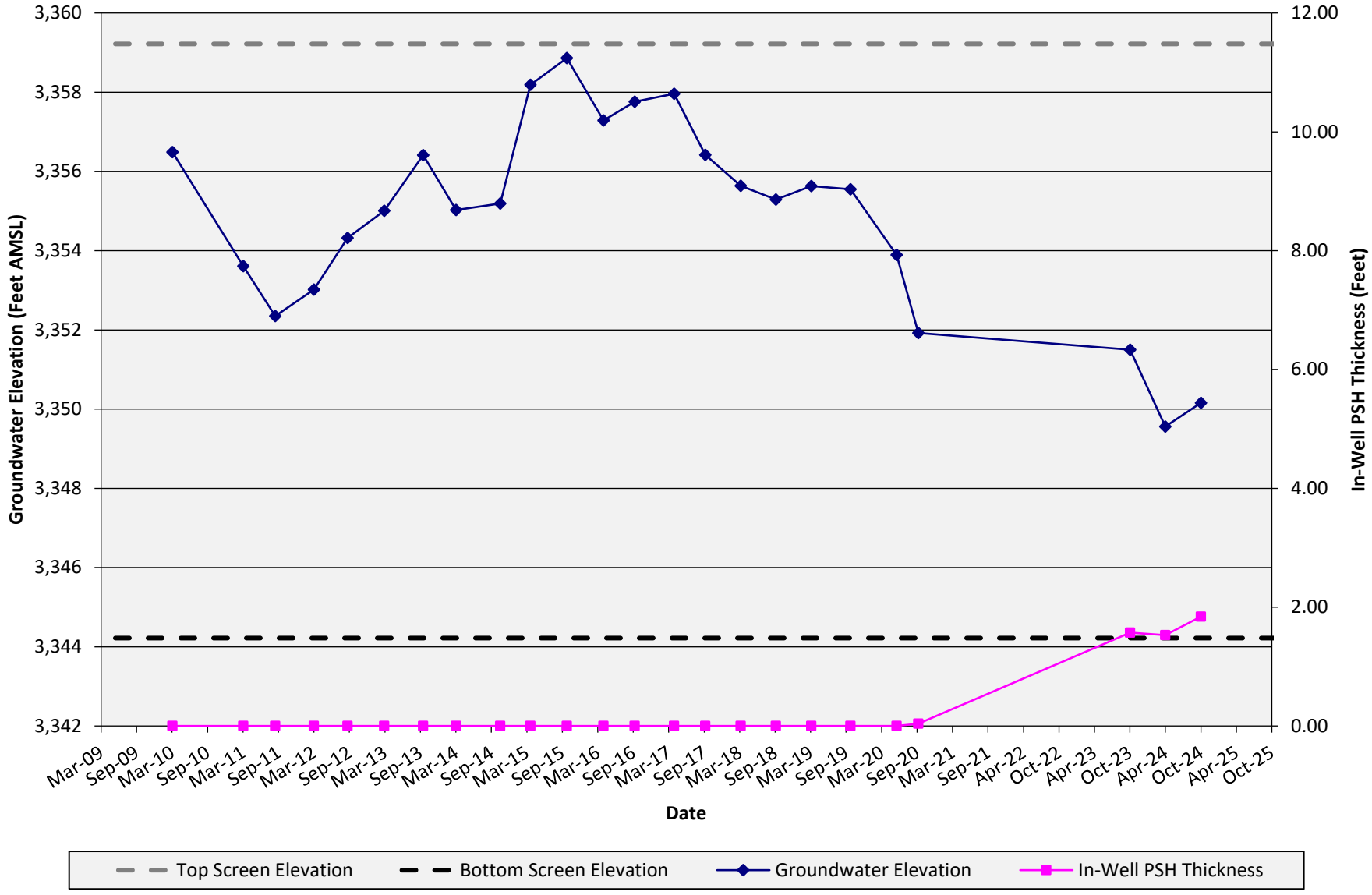
North Refinery



MW-93: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

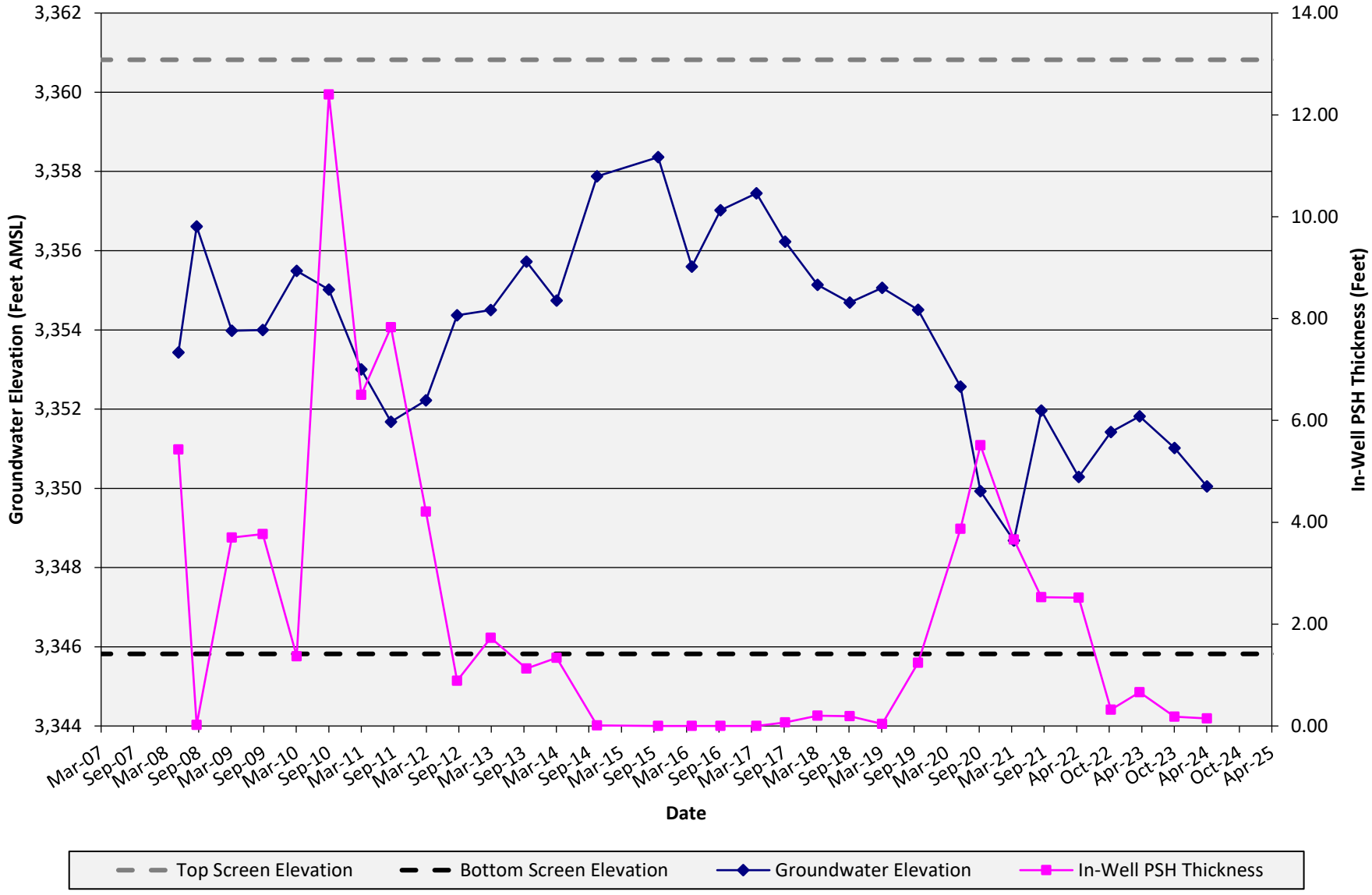
North Refinery



MW-94: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

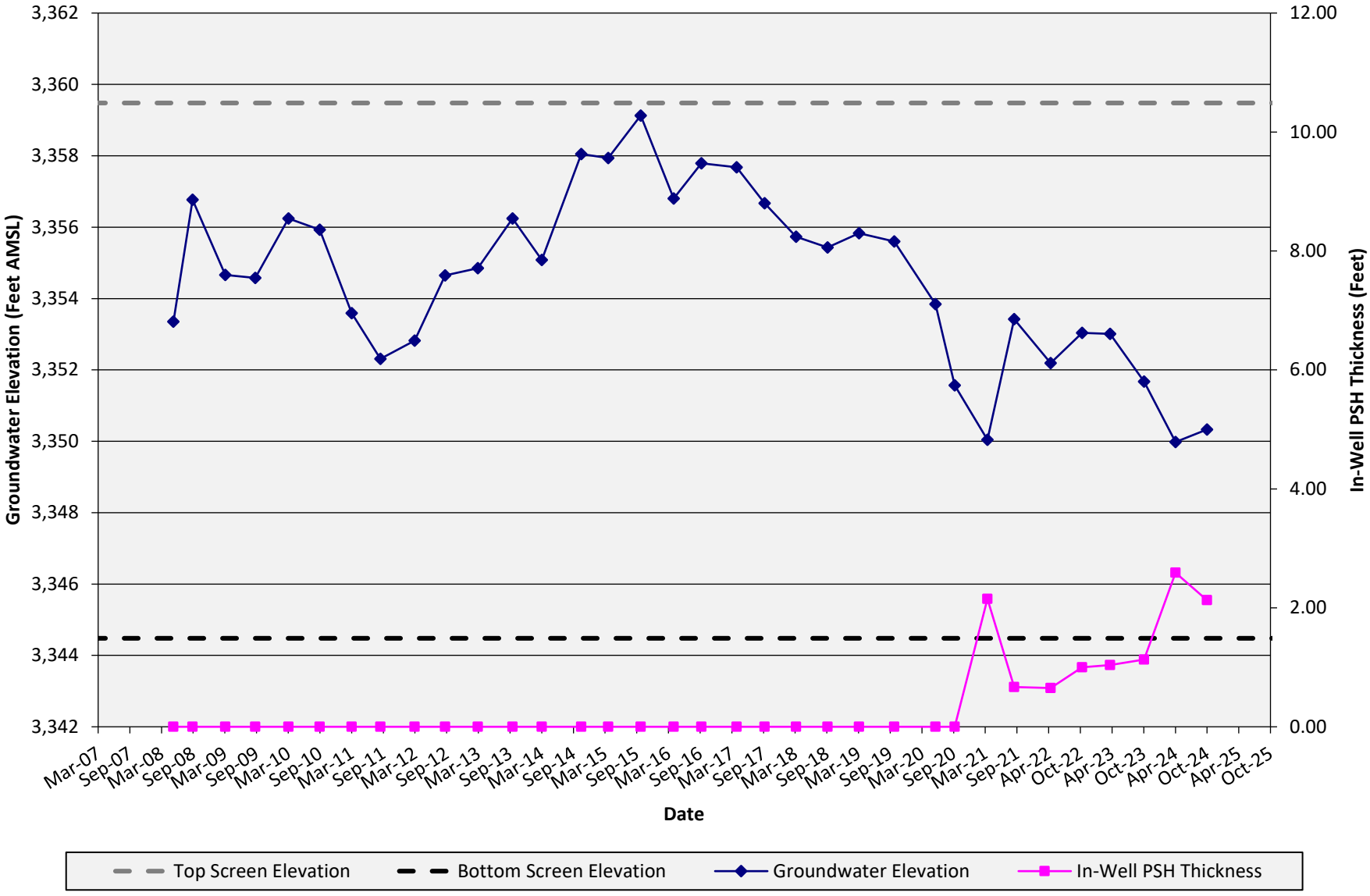
North Refinery



MW-95: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

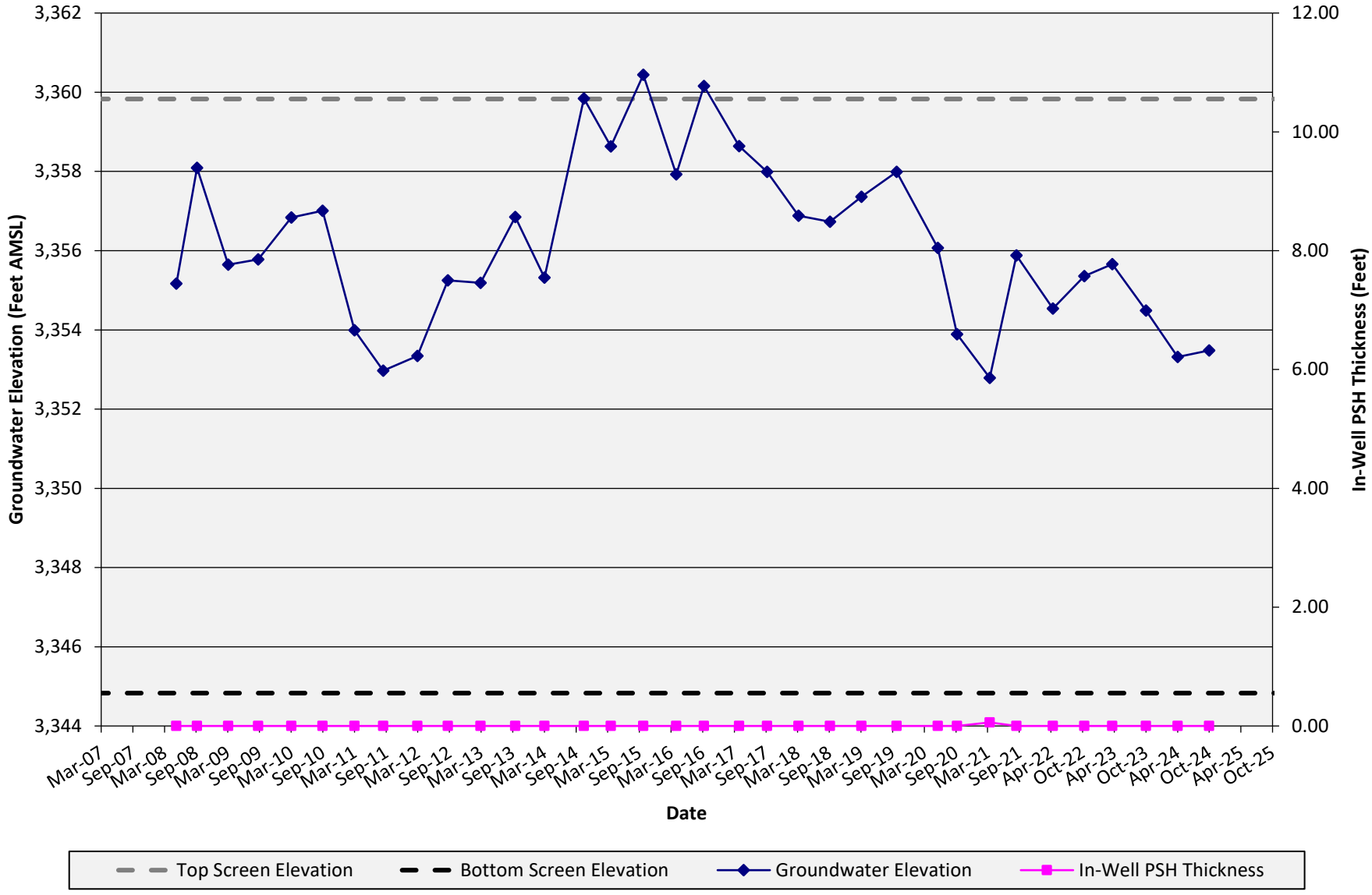
North Refinery



MW-96: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

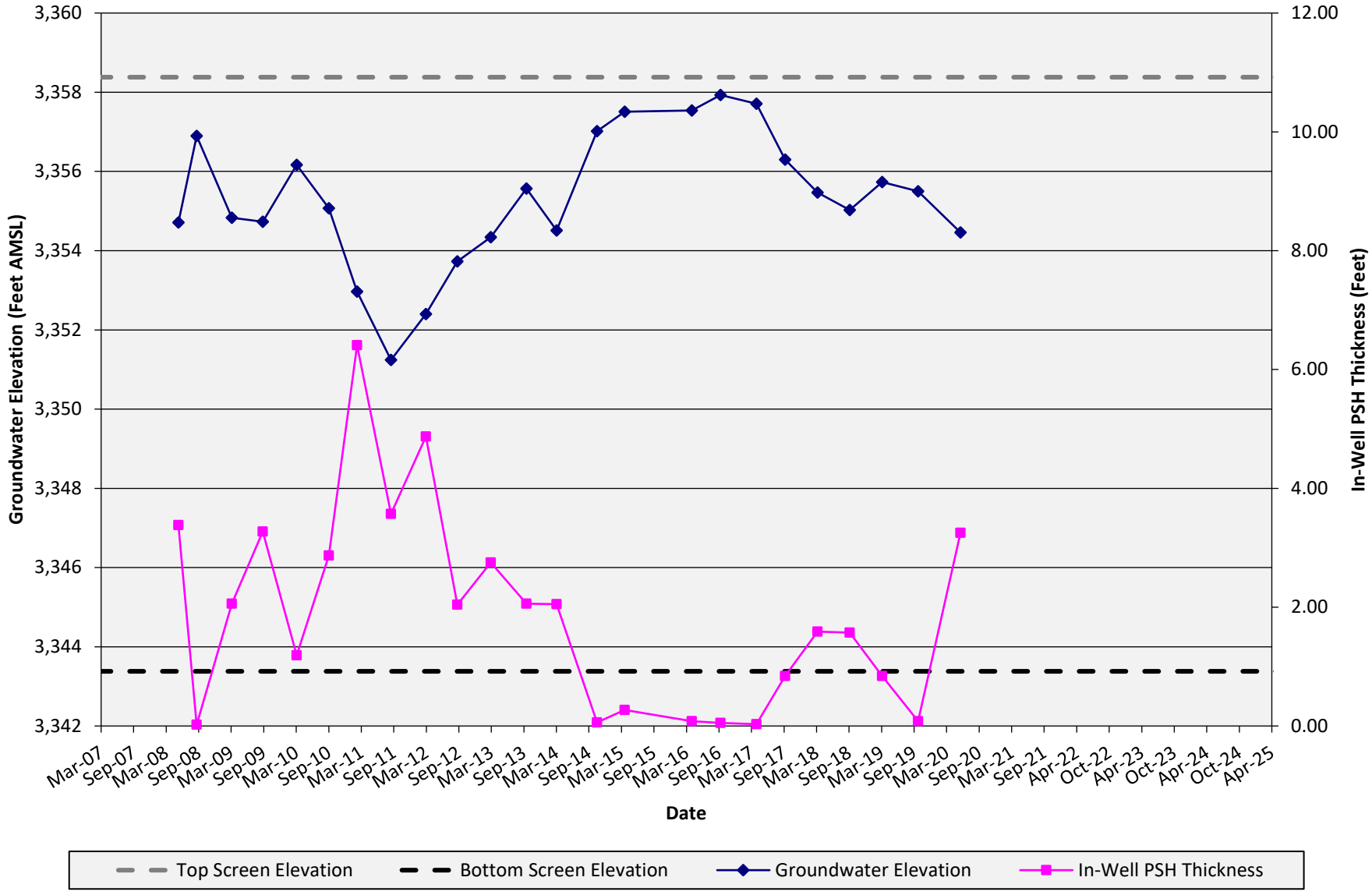
North Refinery



MW-97: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

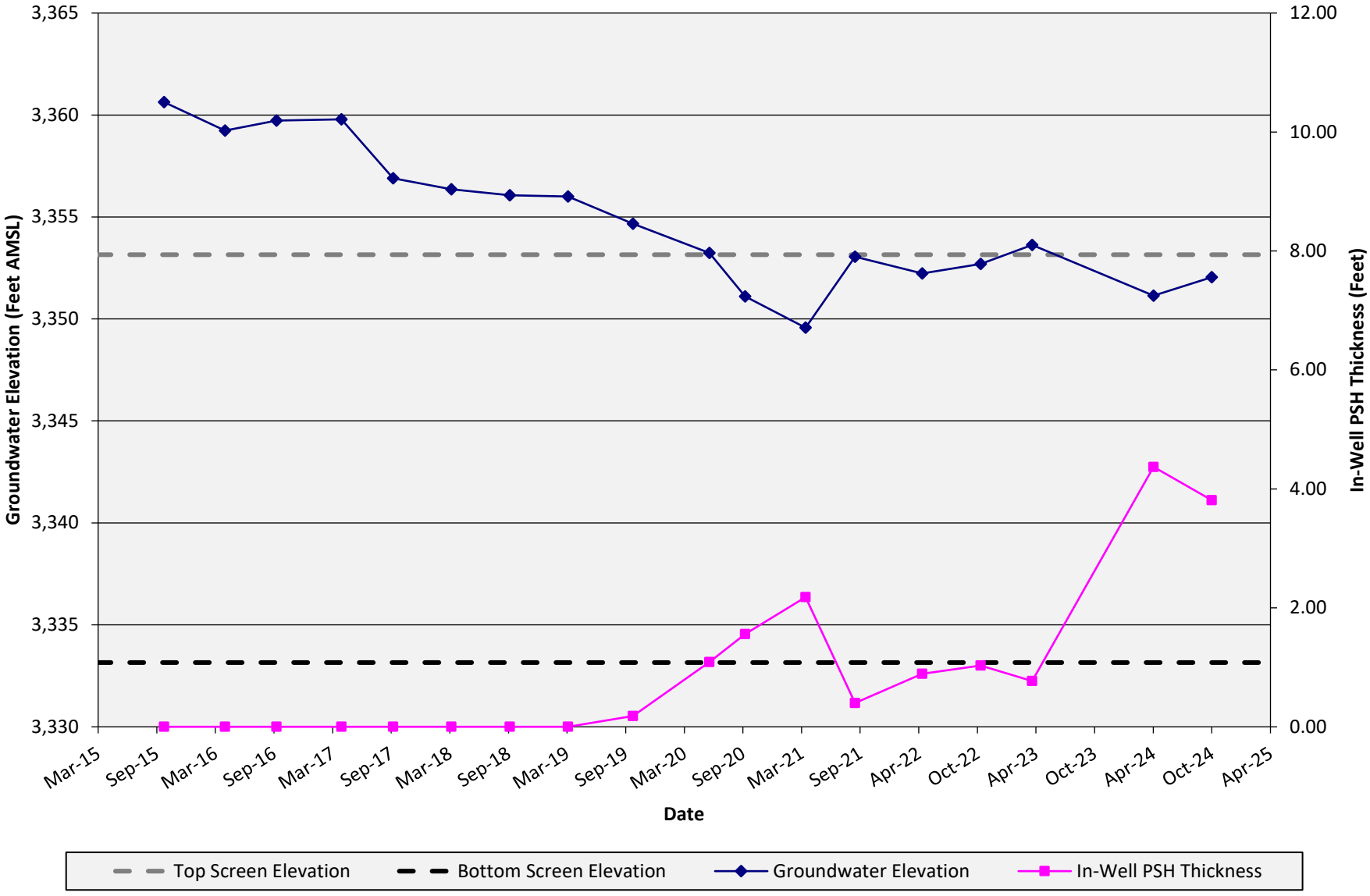
North Refinery



MW-137: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

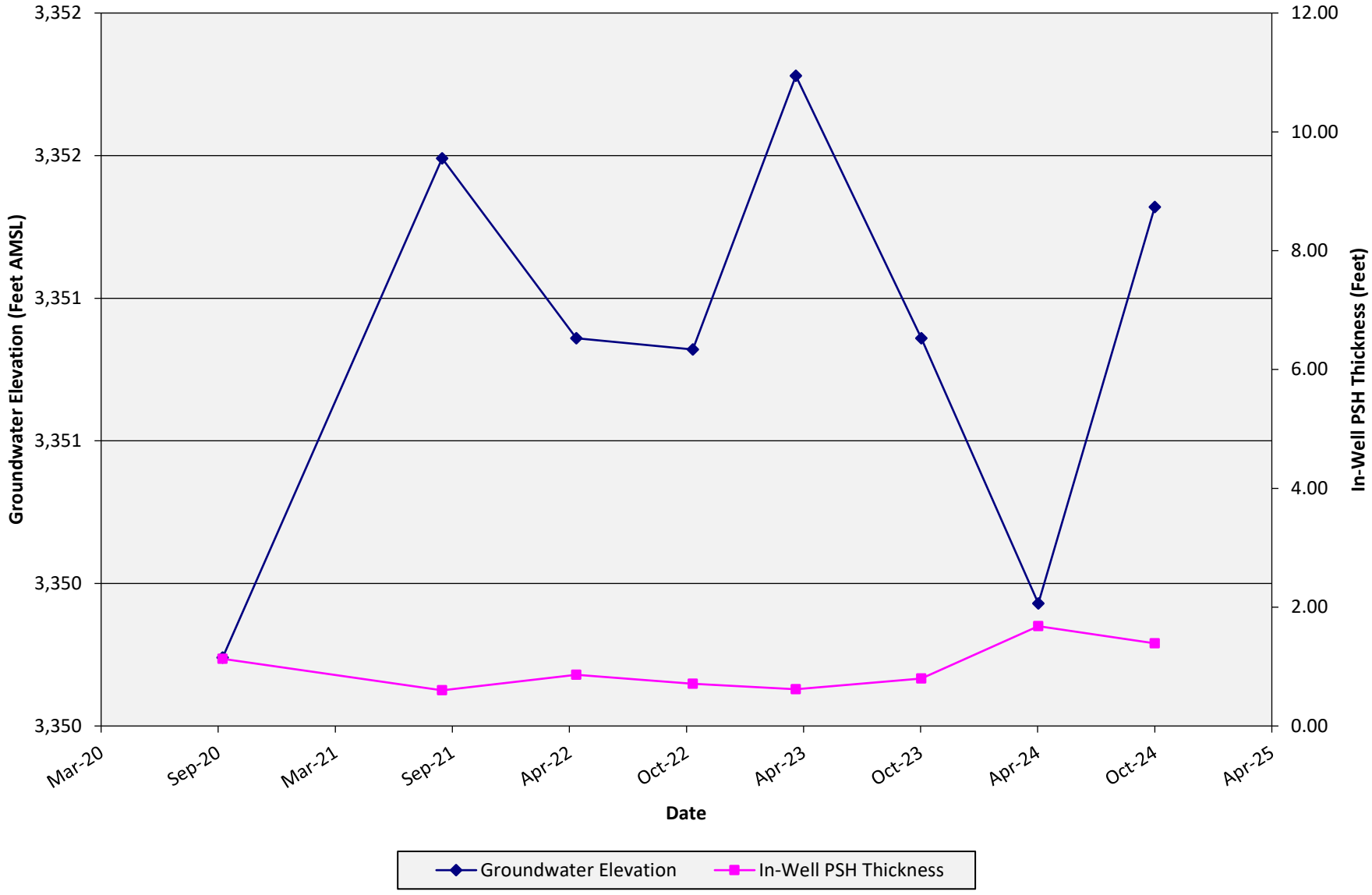
North Refinery



MW-137A: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

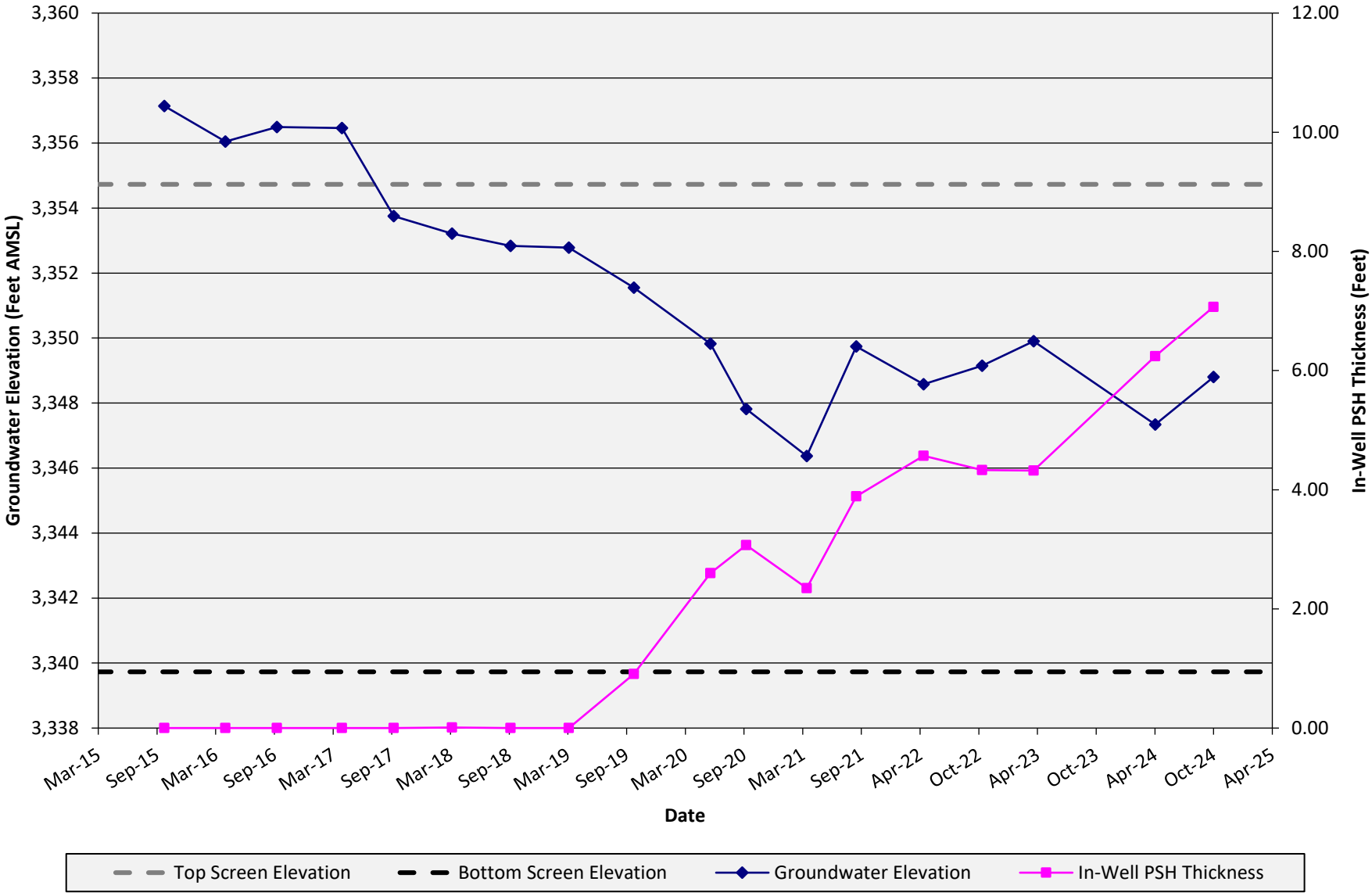
North Refinery



MW-138: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

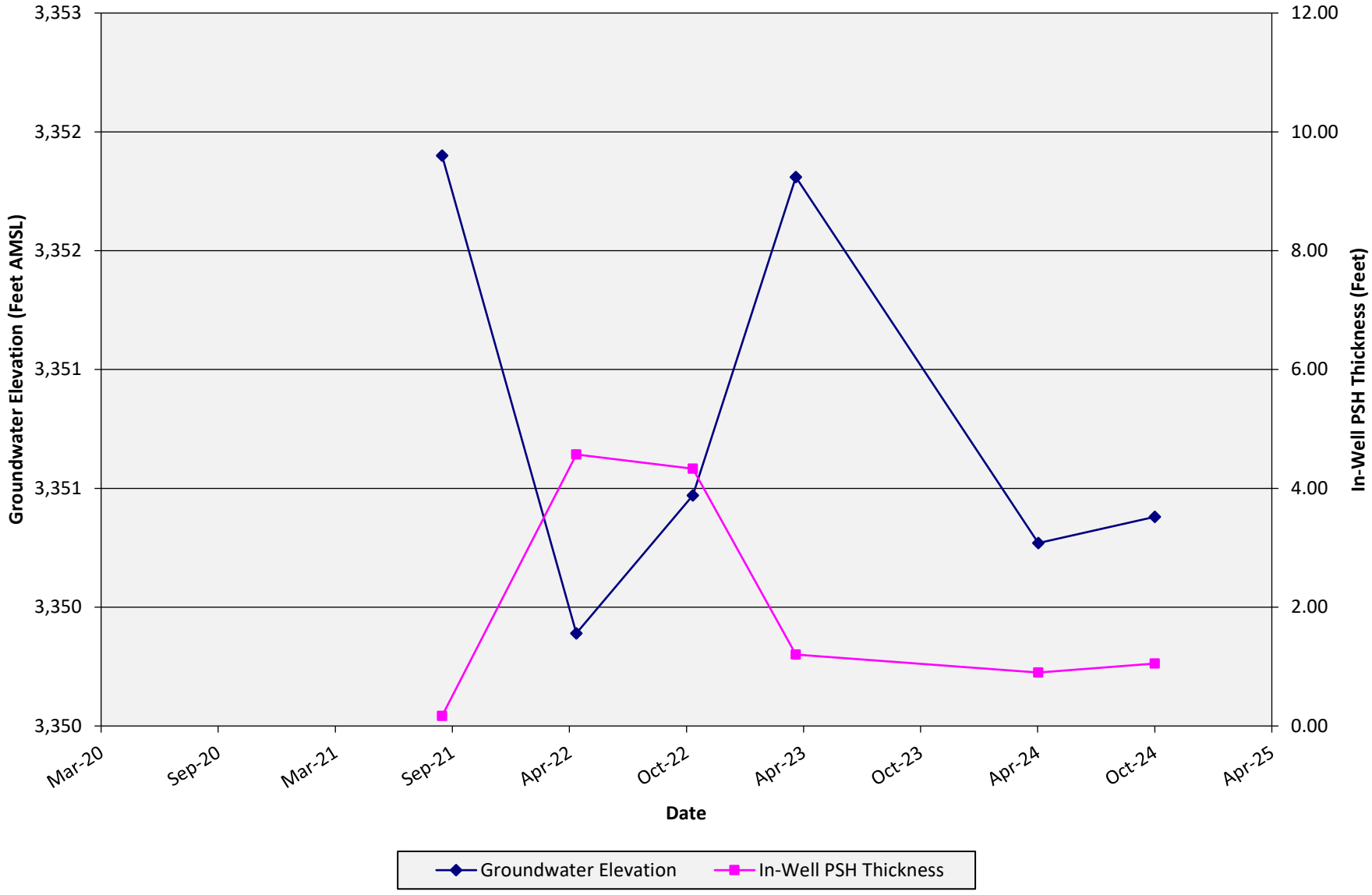
North Refinery



MW-138A: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

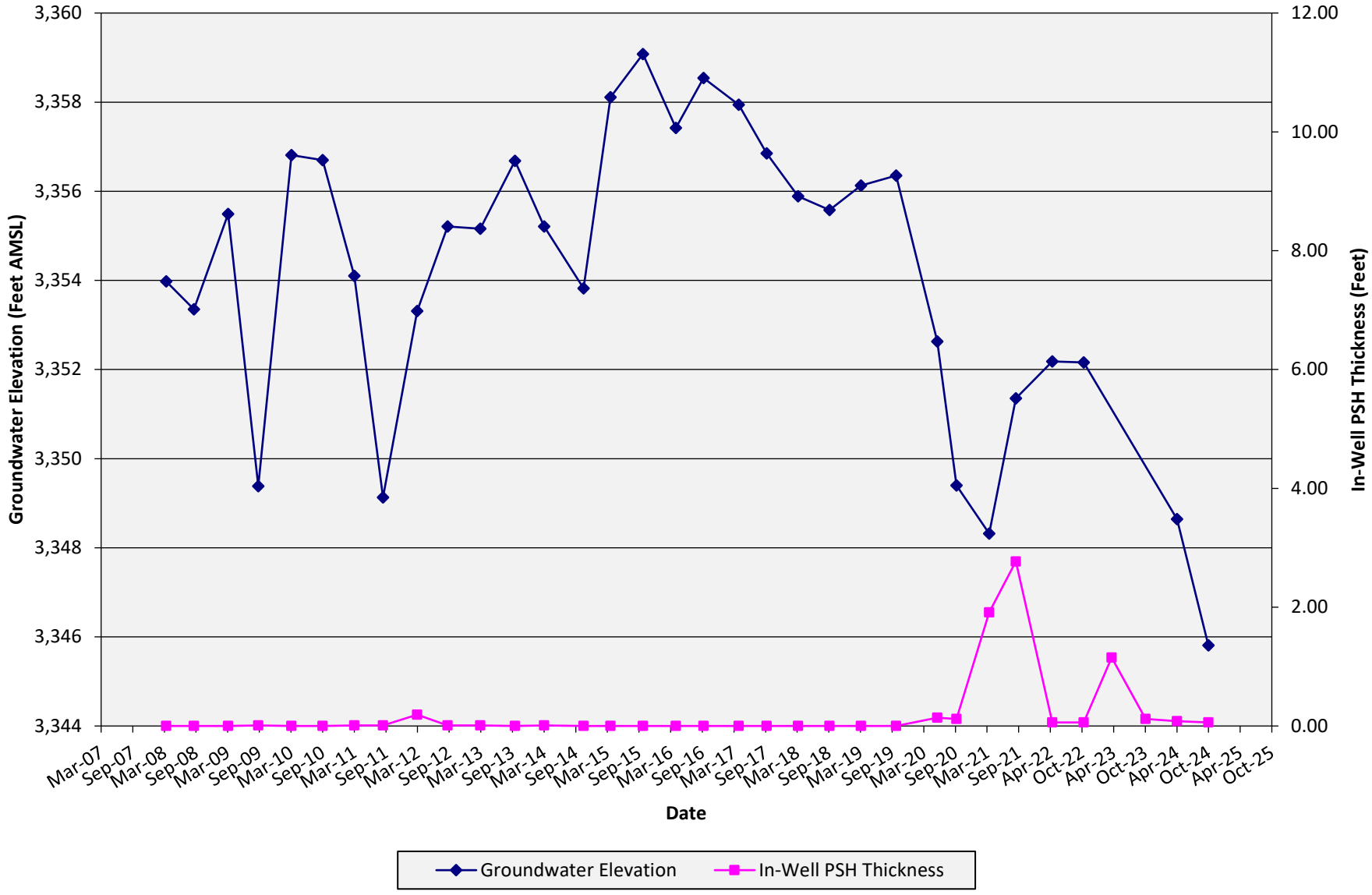
North Refinery



RW-1 & RW-1R: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

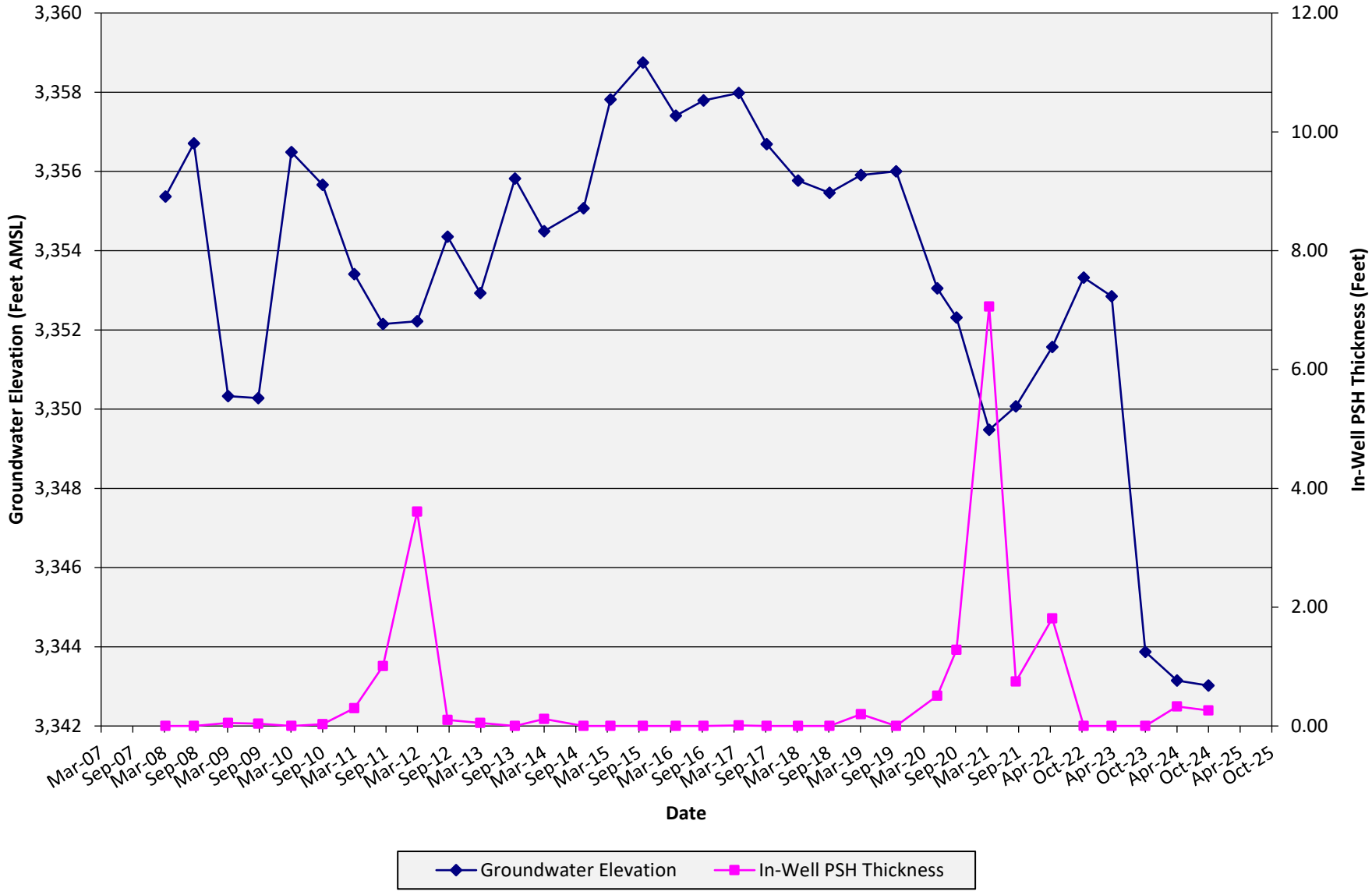
North Refinery



RW-2: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

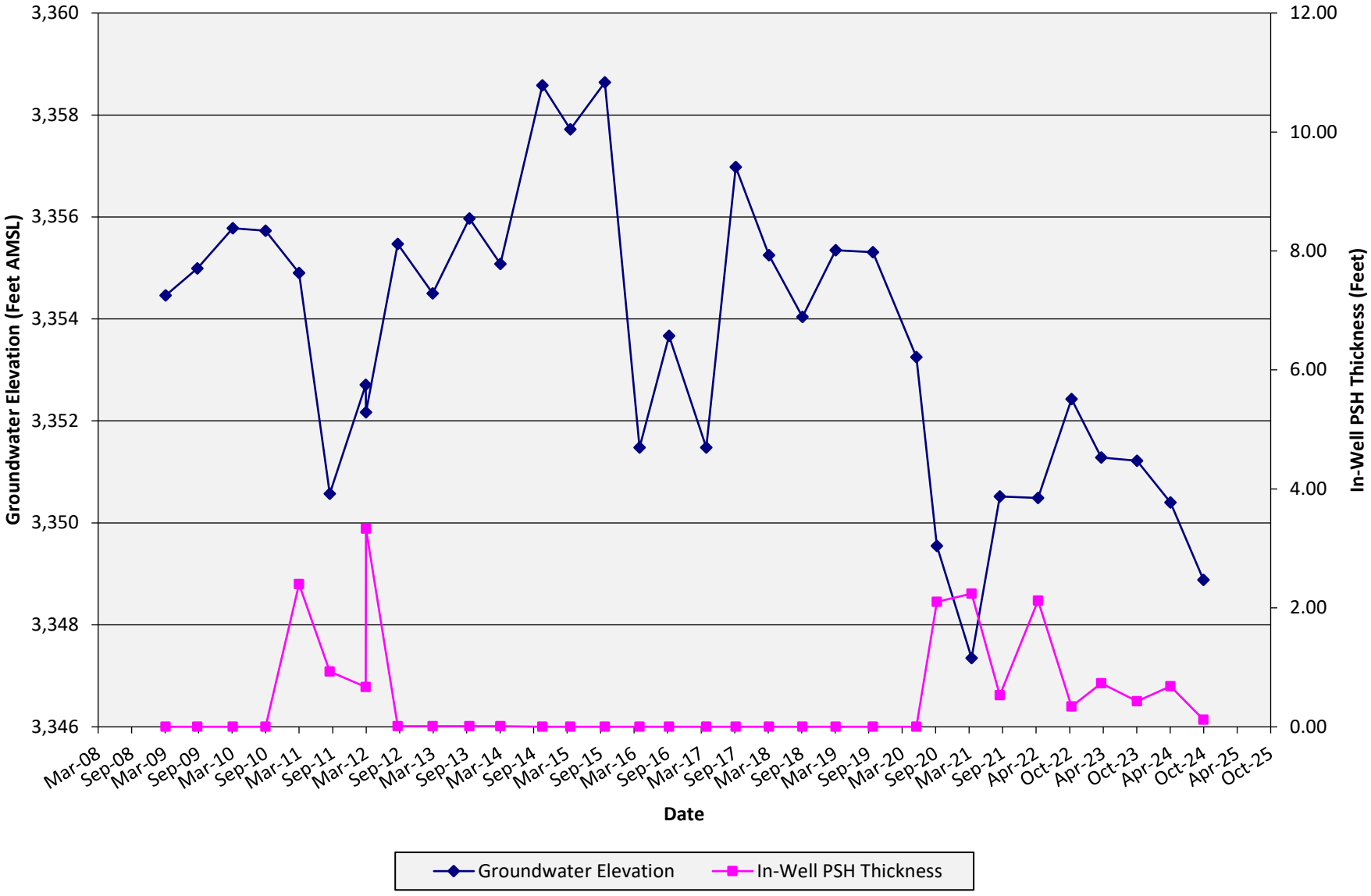
North Refinery



RW-7 & RW-7R: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

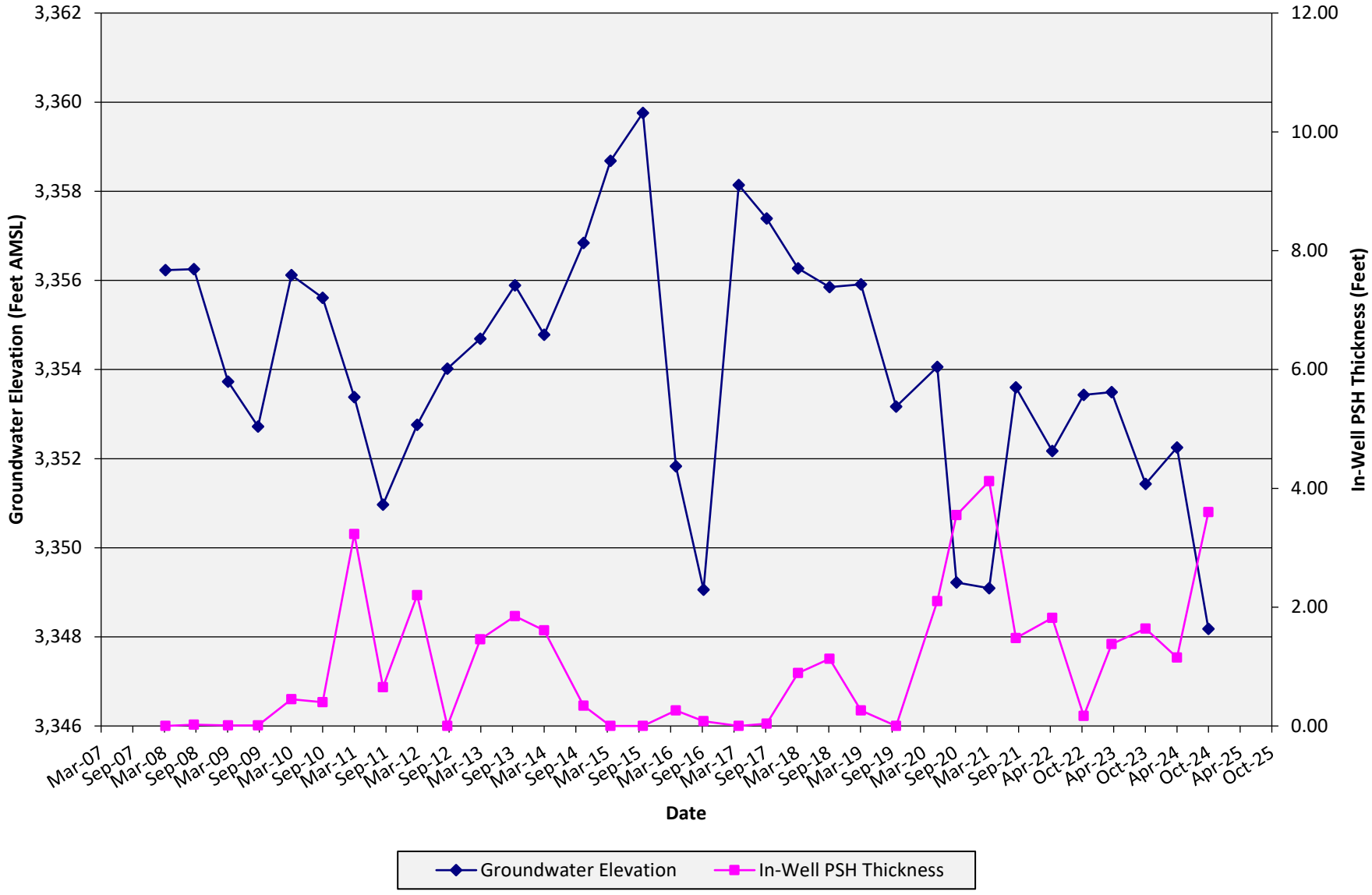
North Refinery



RW-8: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

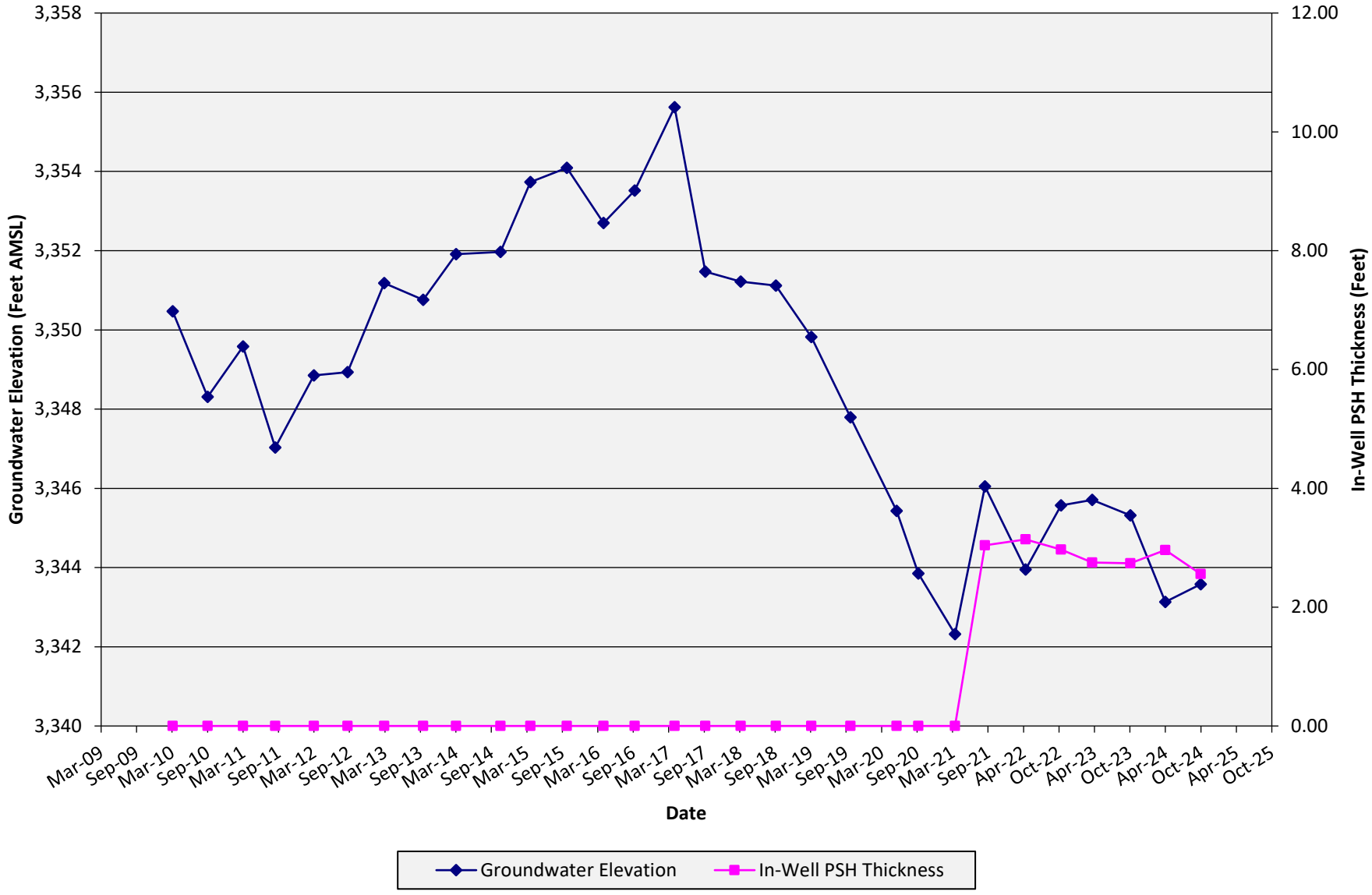
North Refinery



RW-10: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

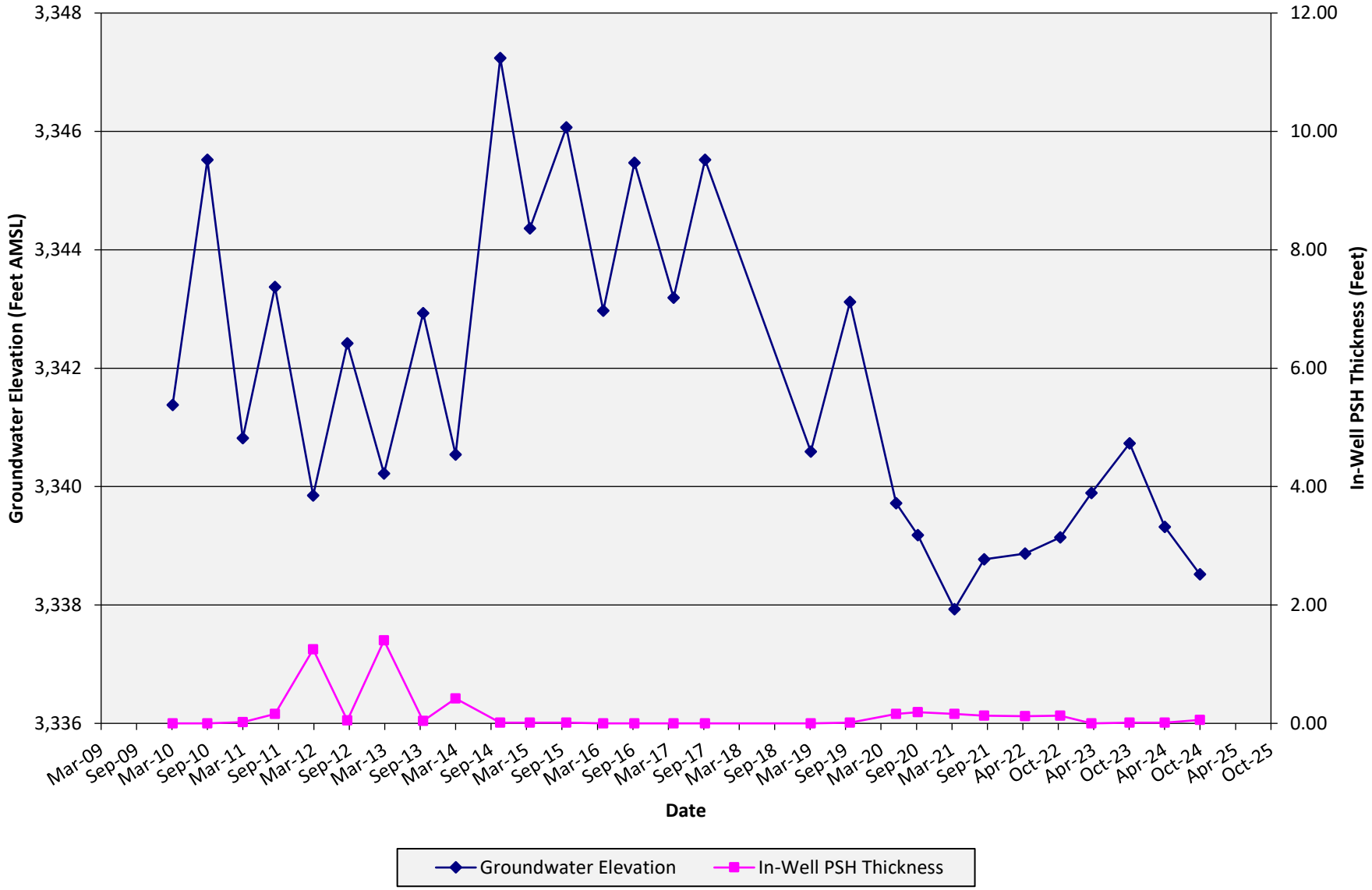
North Refinery



KWB-2R: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

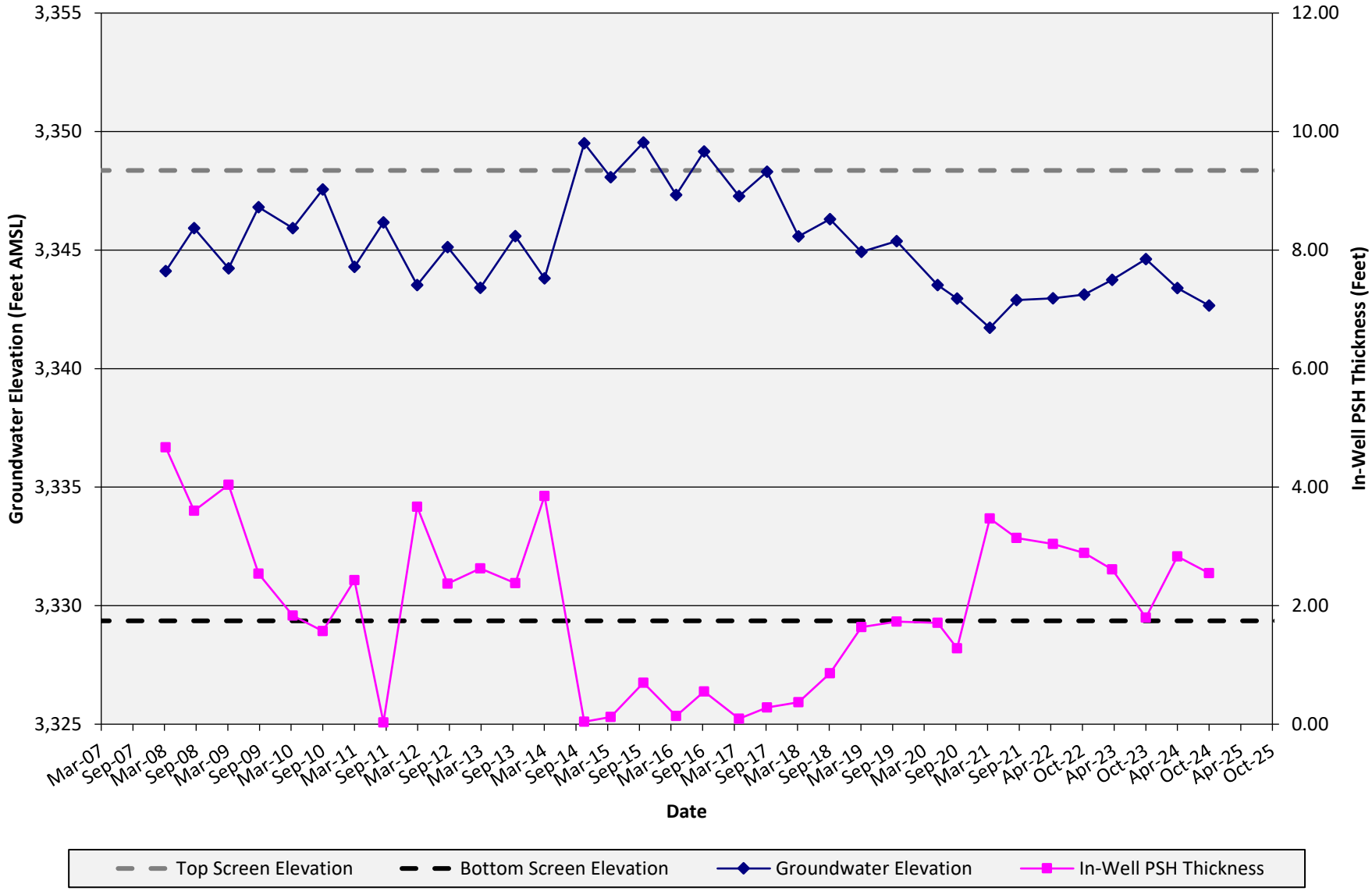
South Refinery



KWB-4: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

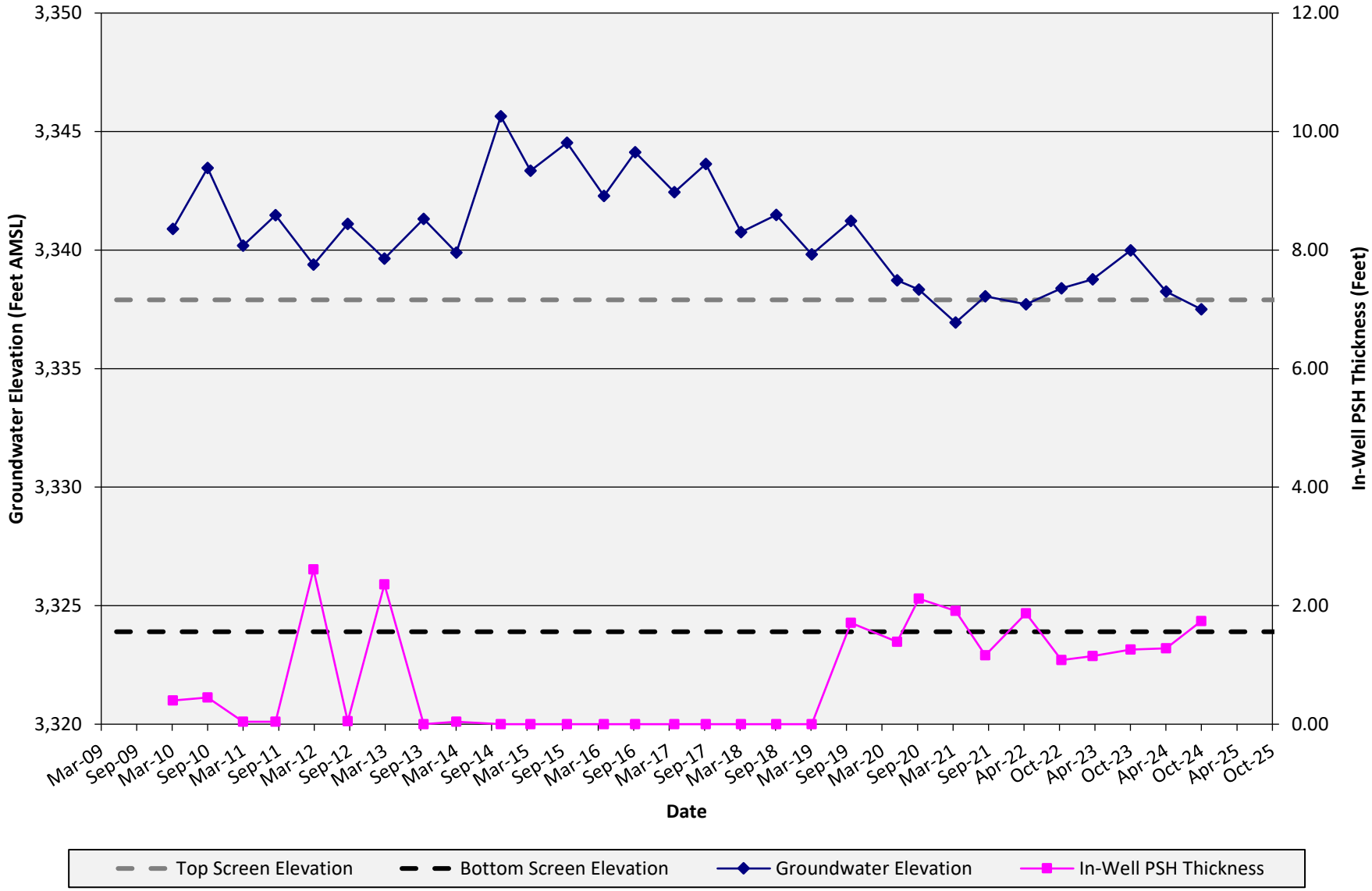
South Refinery



KWB-5: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

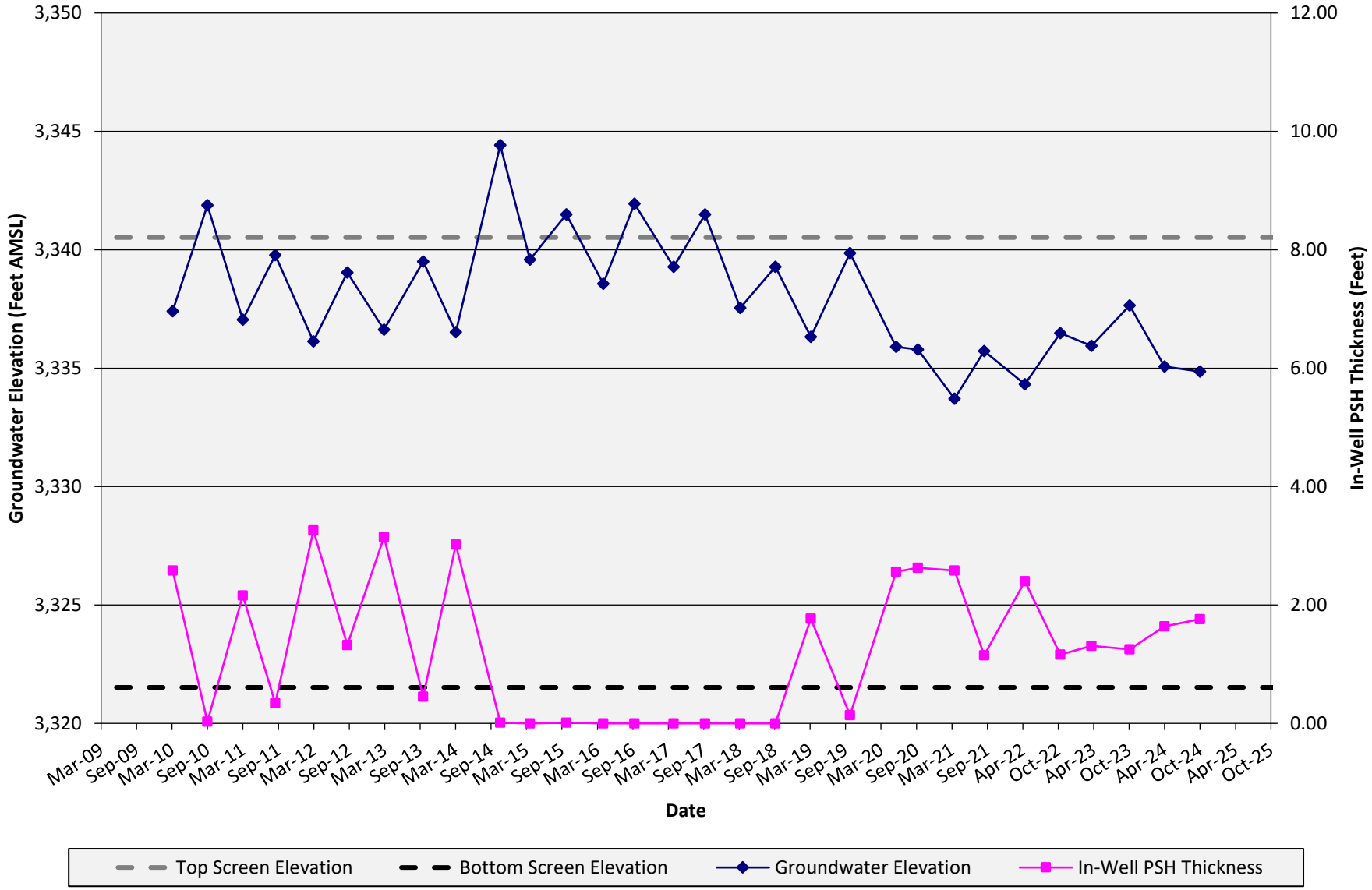
South Refinery



KWB-6: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

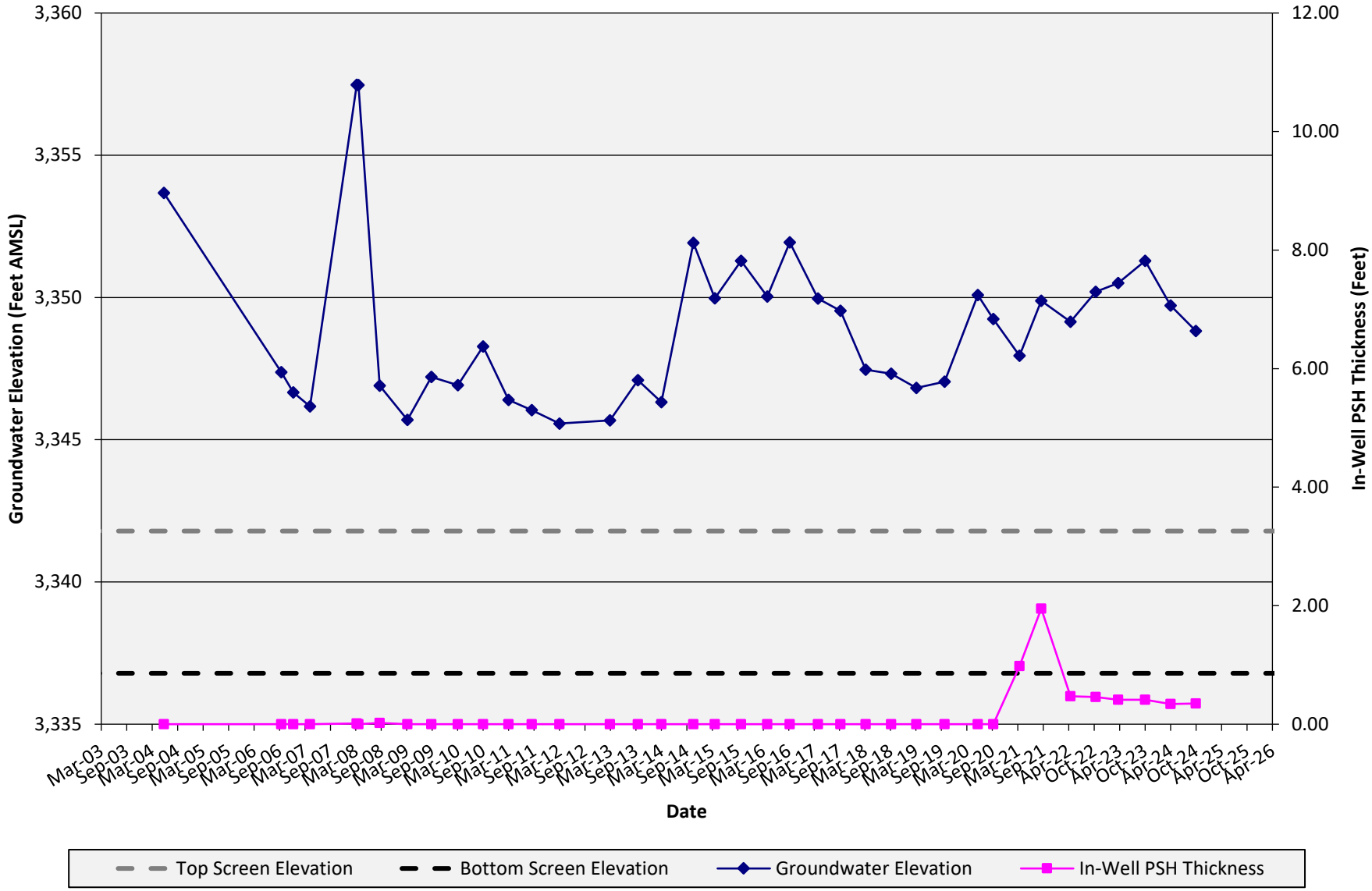
South Refinery



MW-28: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

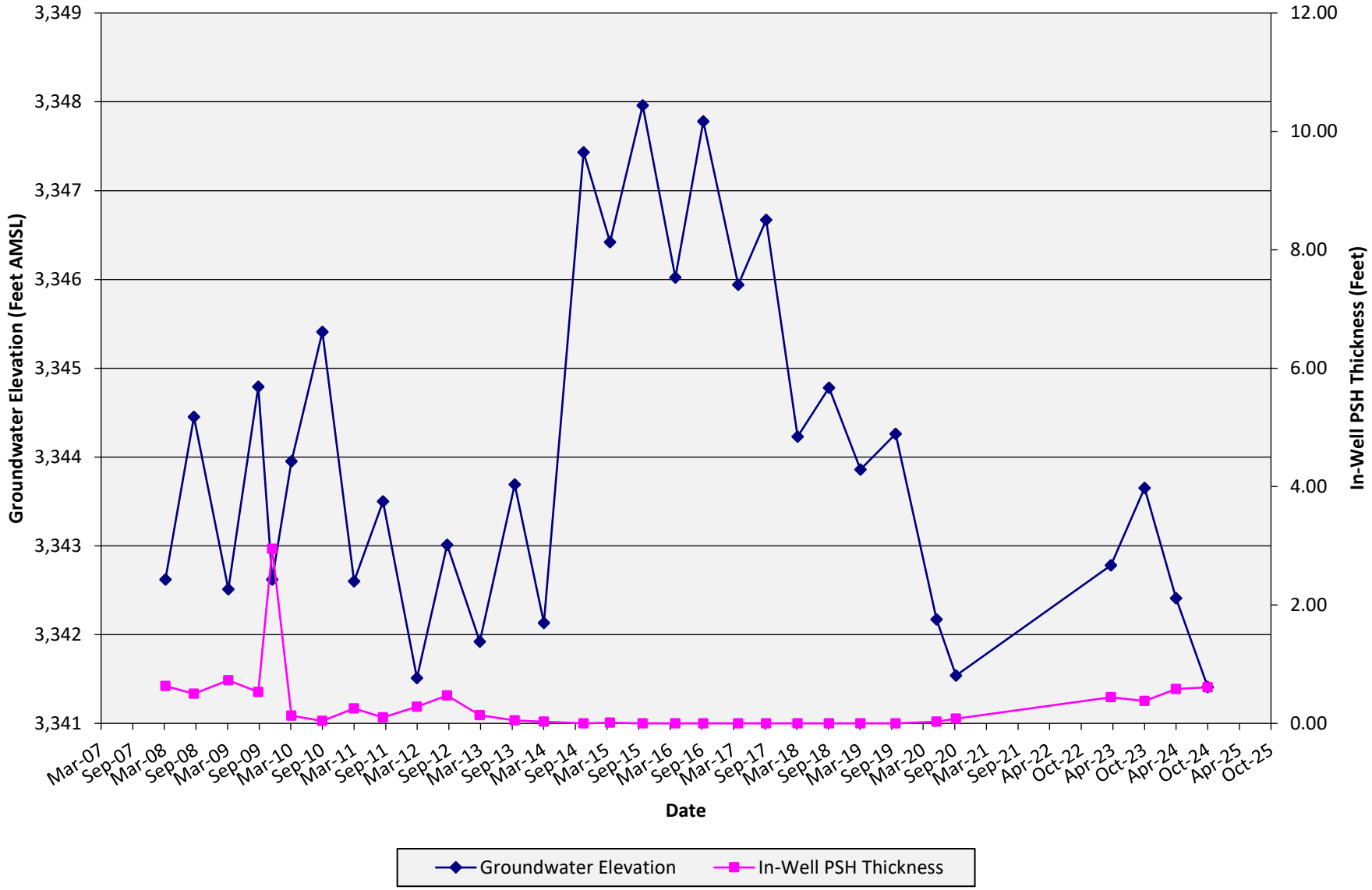
South Refinery



MW-48: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

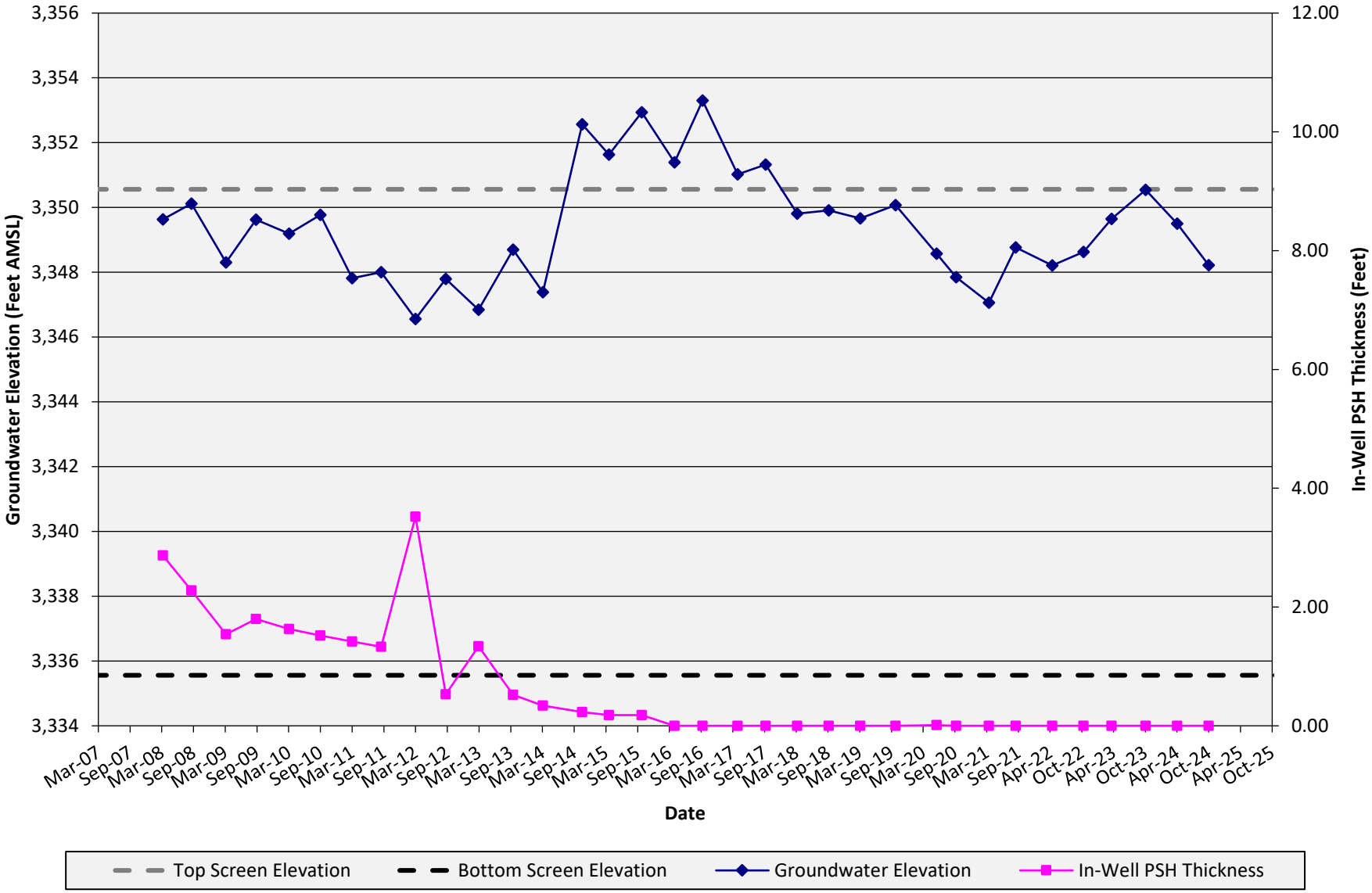
South Refinery



MW-64: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

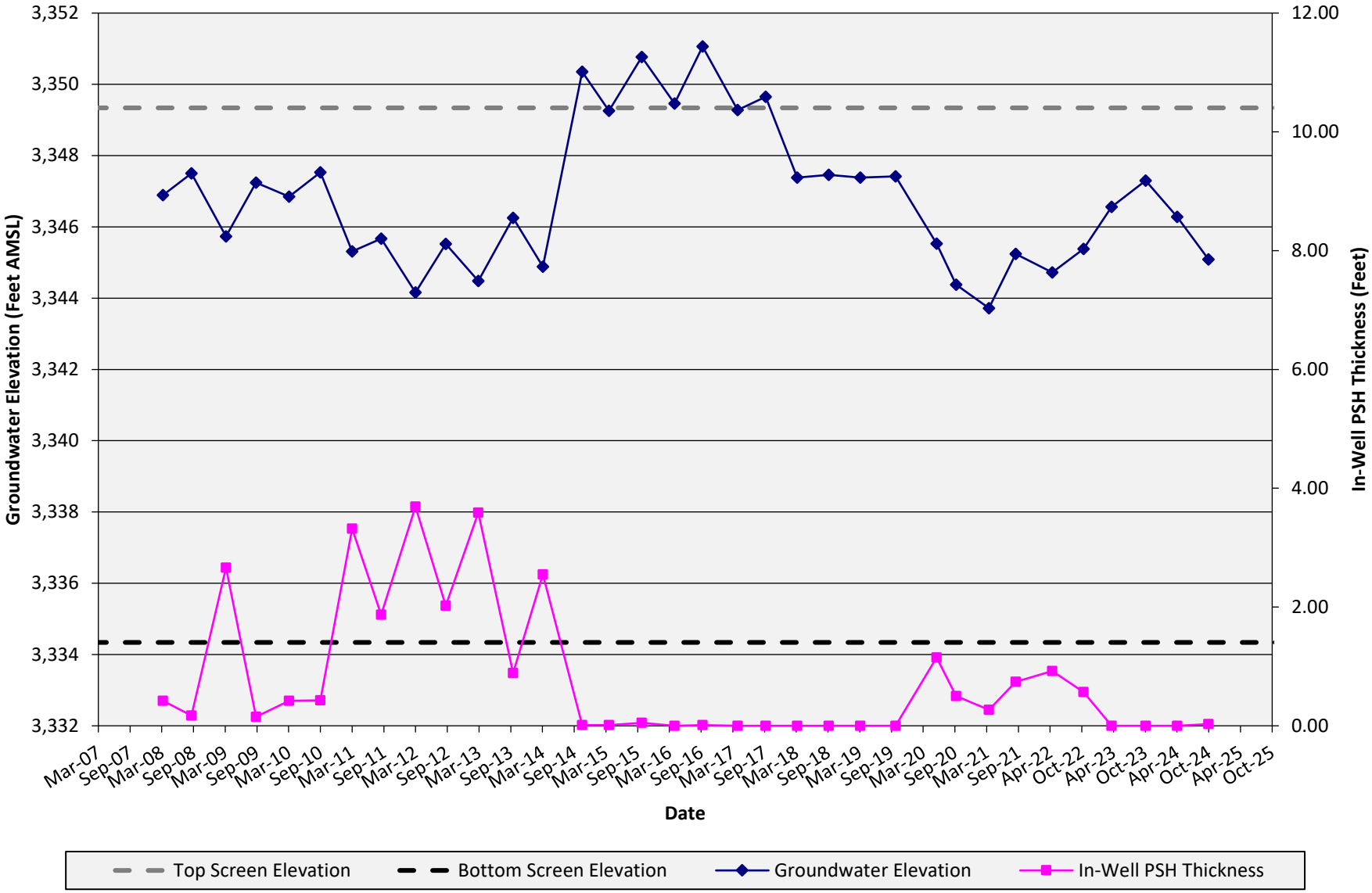
South Refinery



MW-65: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

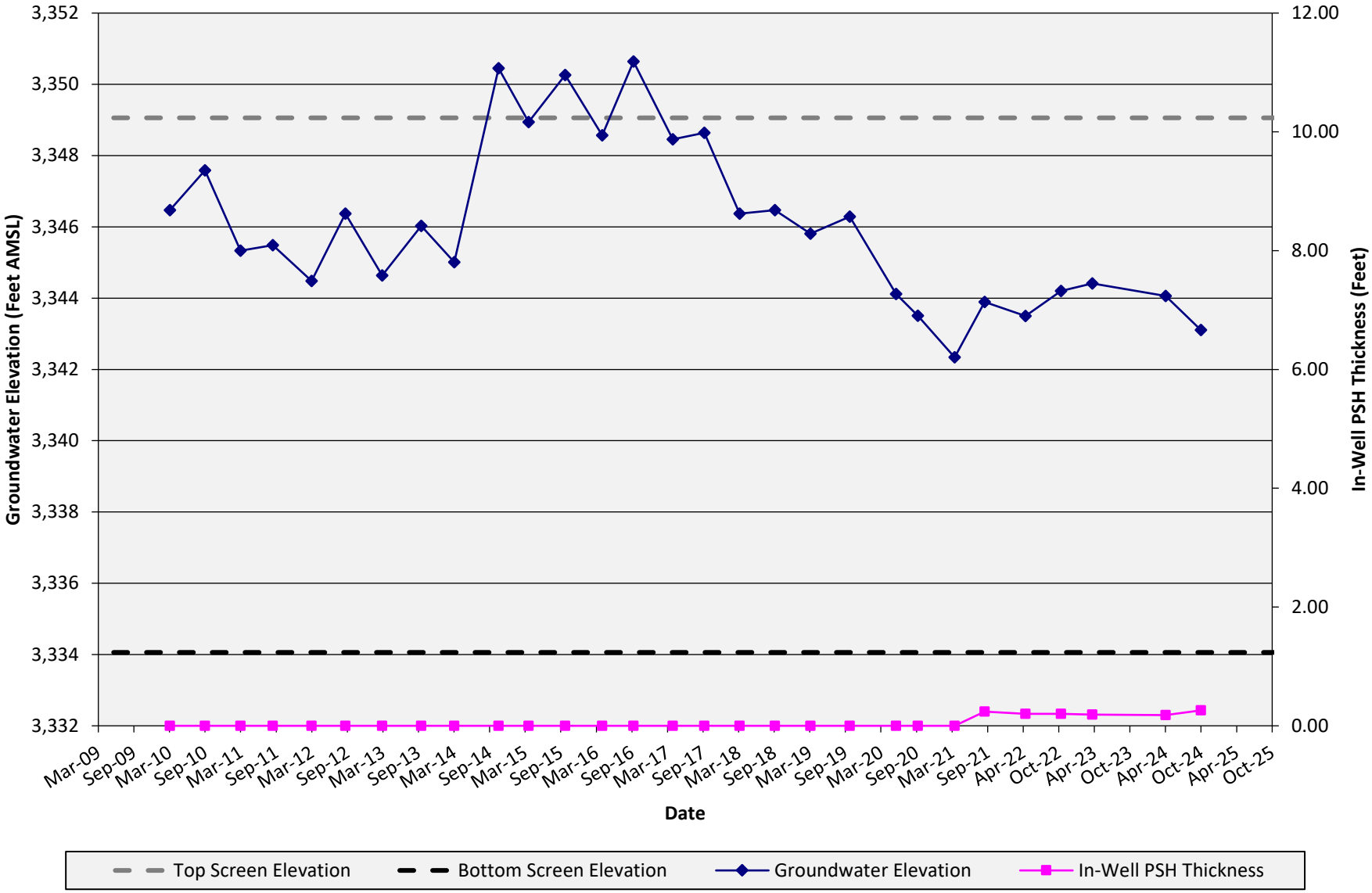
South Refinery



MW-66: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

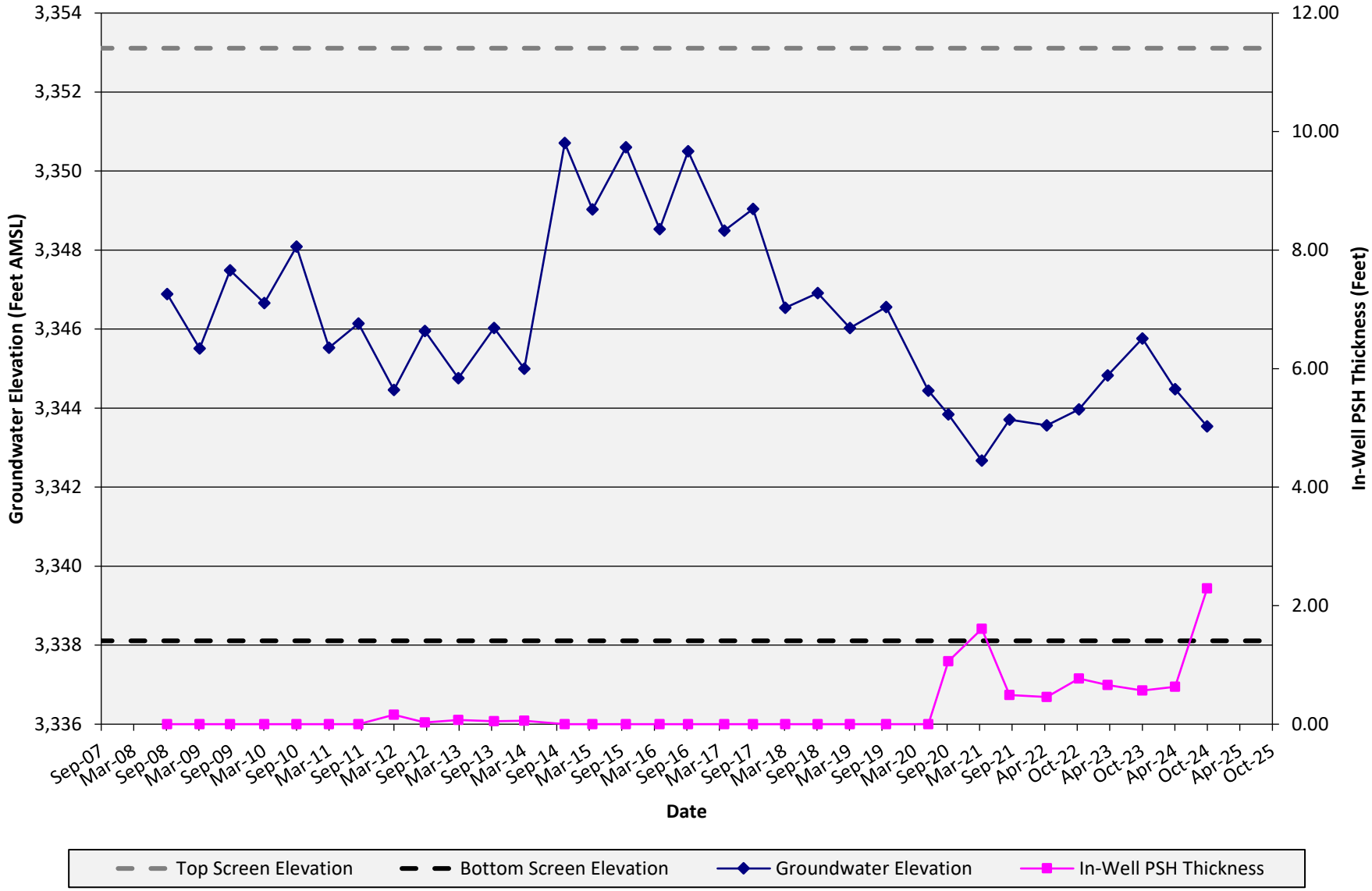
South Refinery



MW-99: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

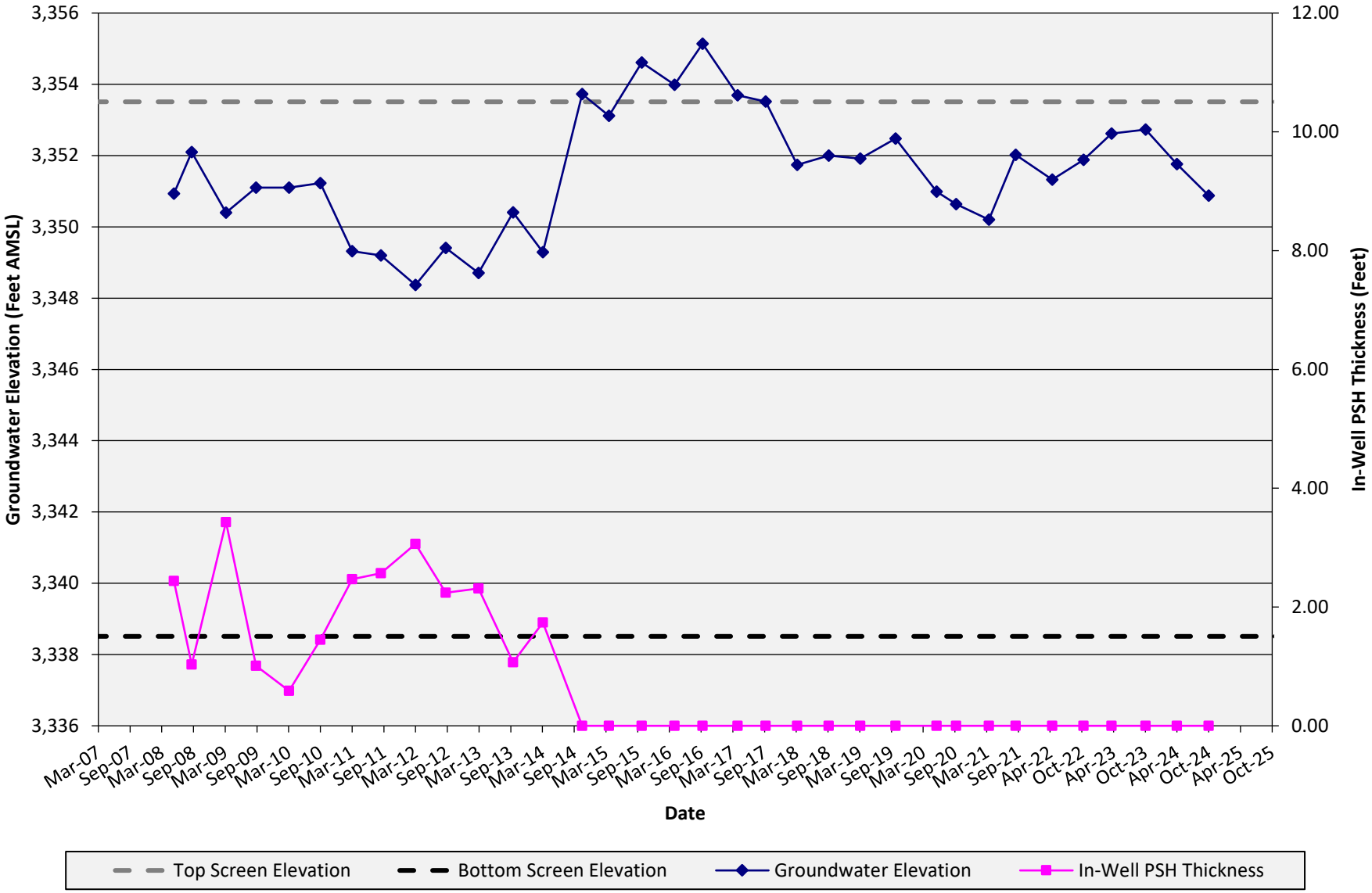
South Refinery



MW-102: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

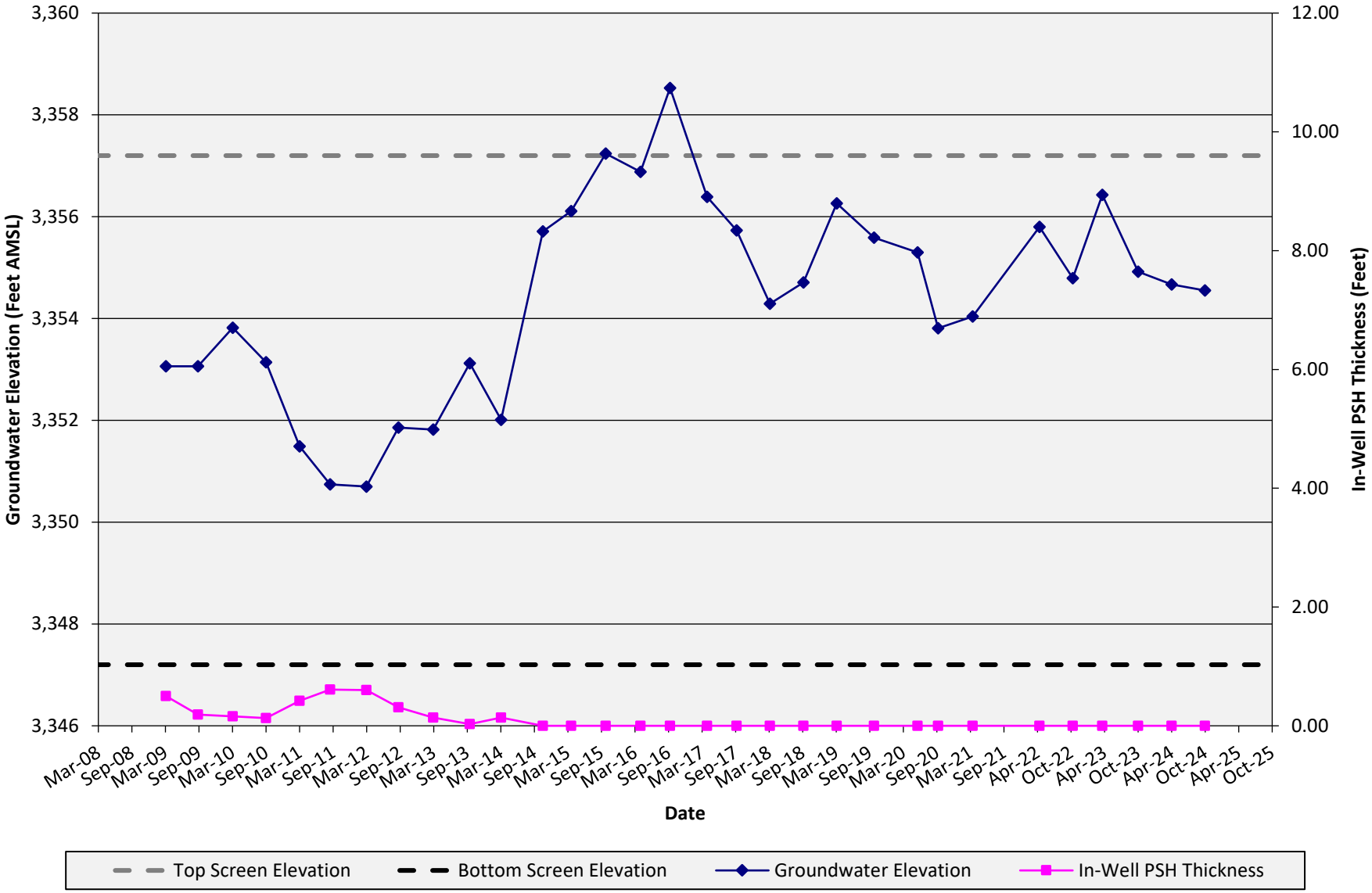
South Refinery



MW-105: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

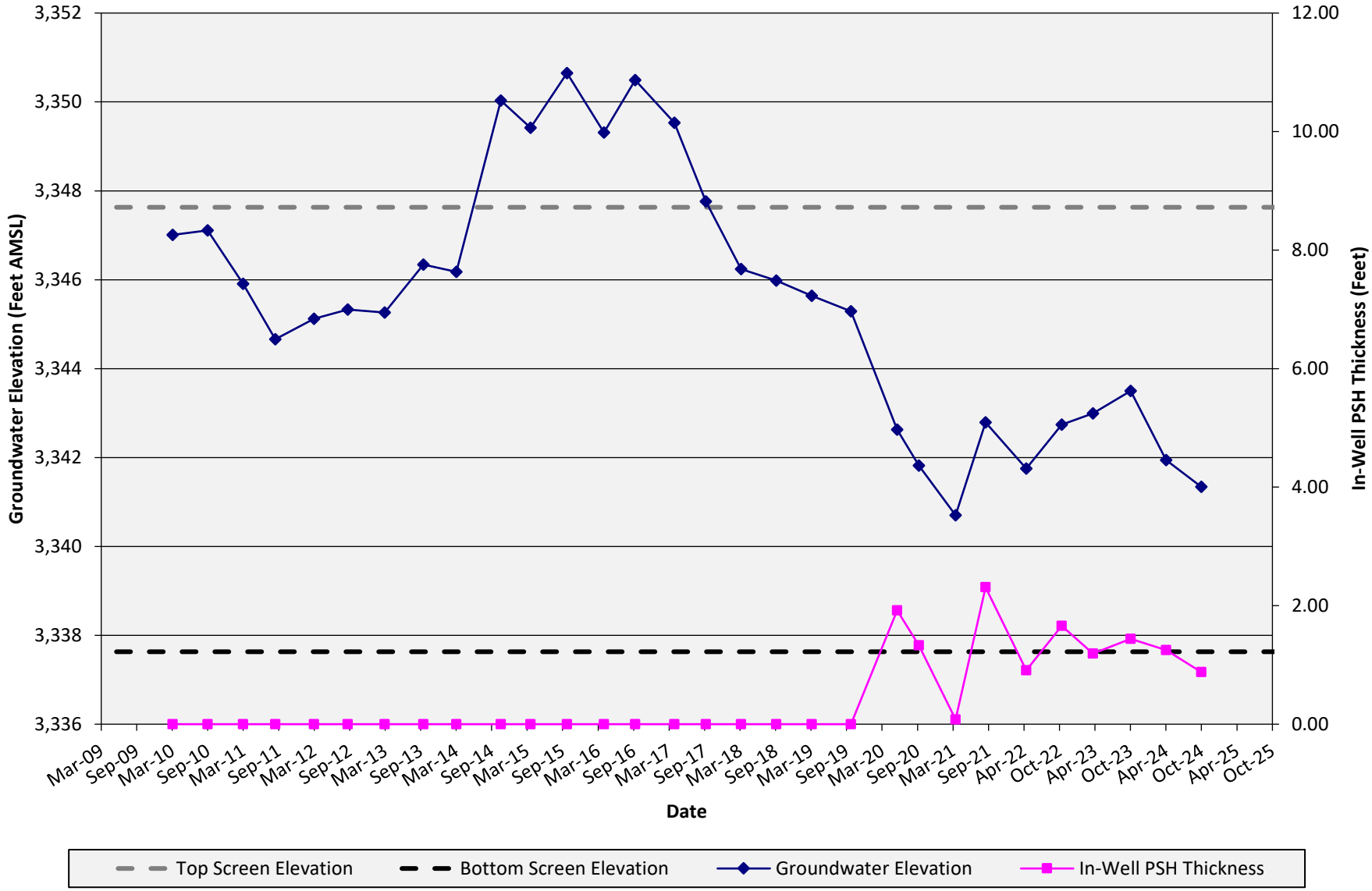
South Refinery



MW-107: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

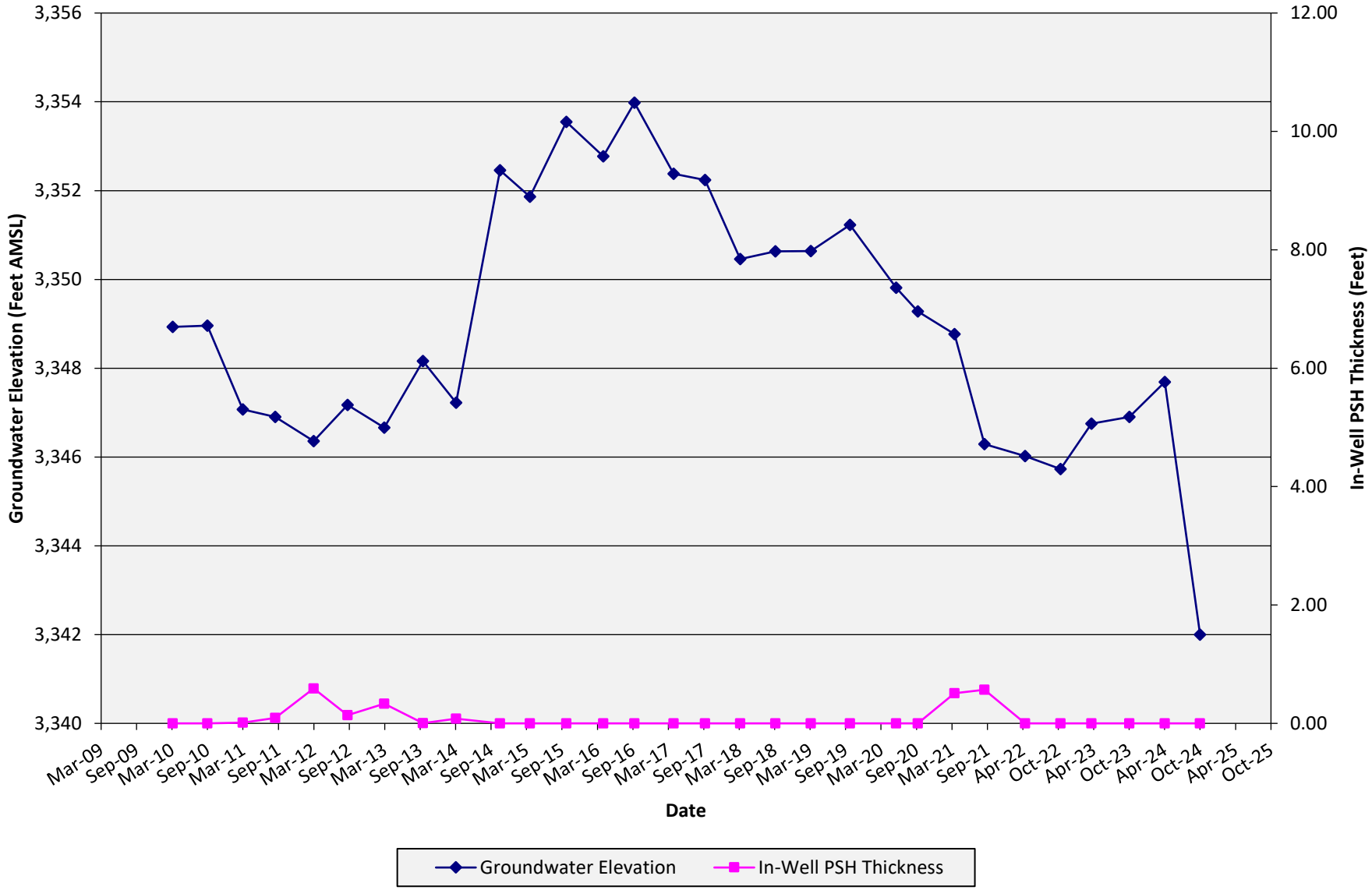
South Refinery



RW-4 & RW-4R: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

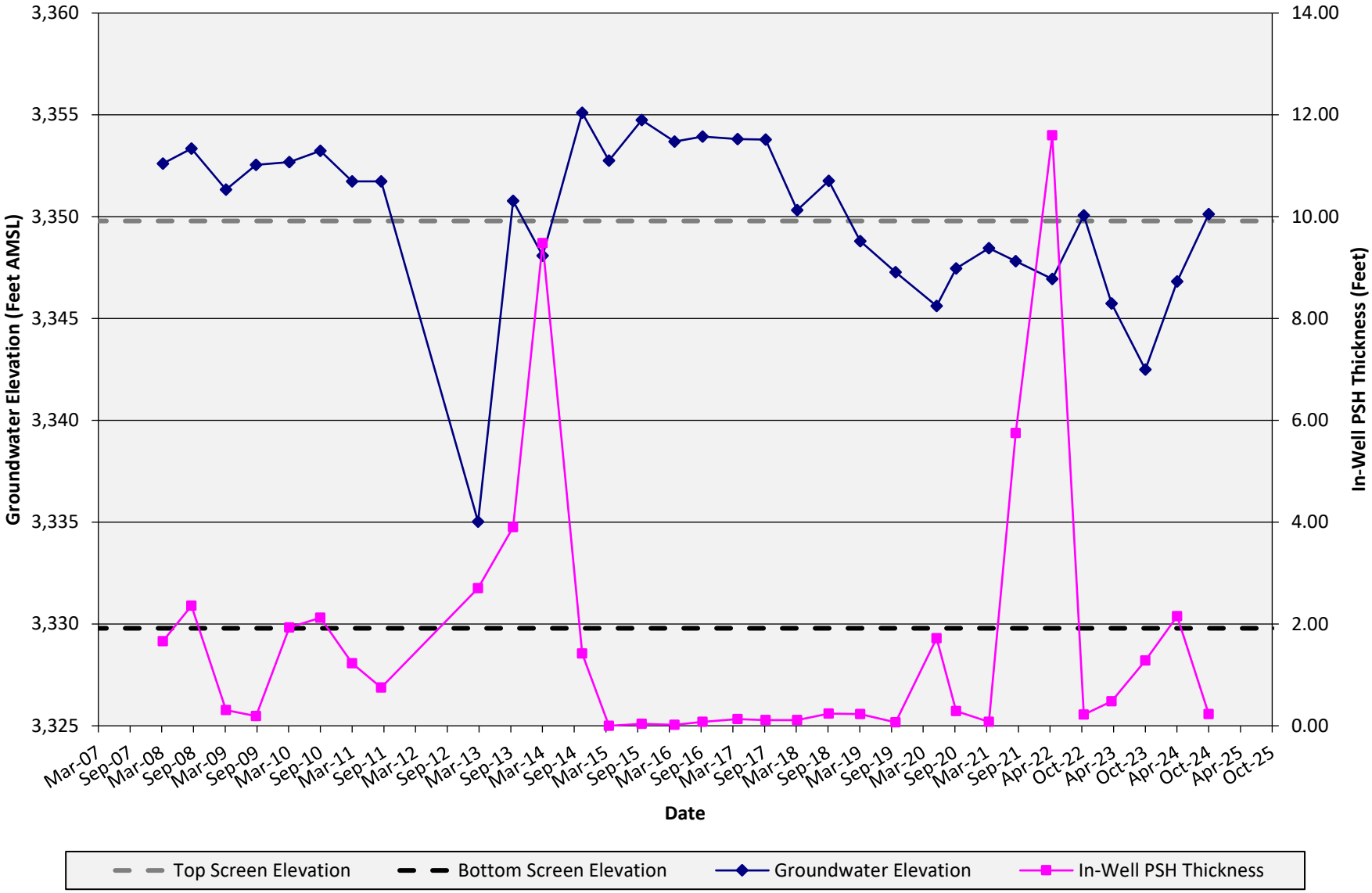
South Refinery



RW-5R: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

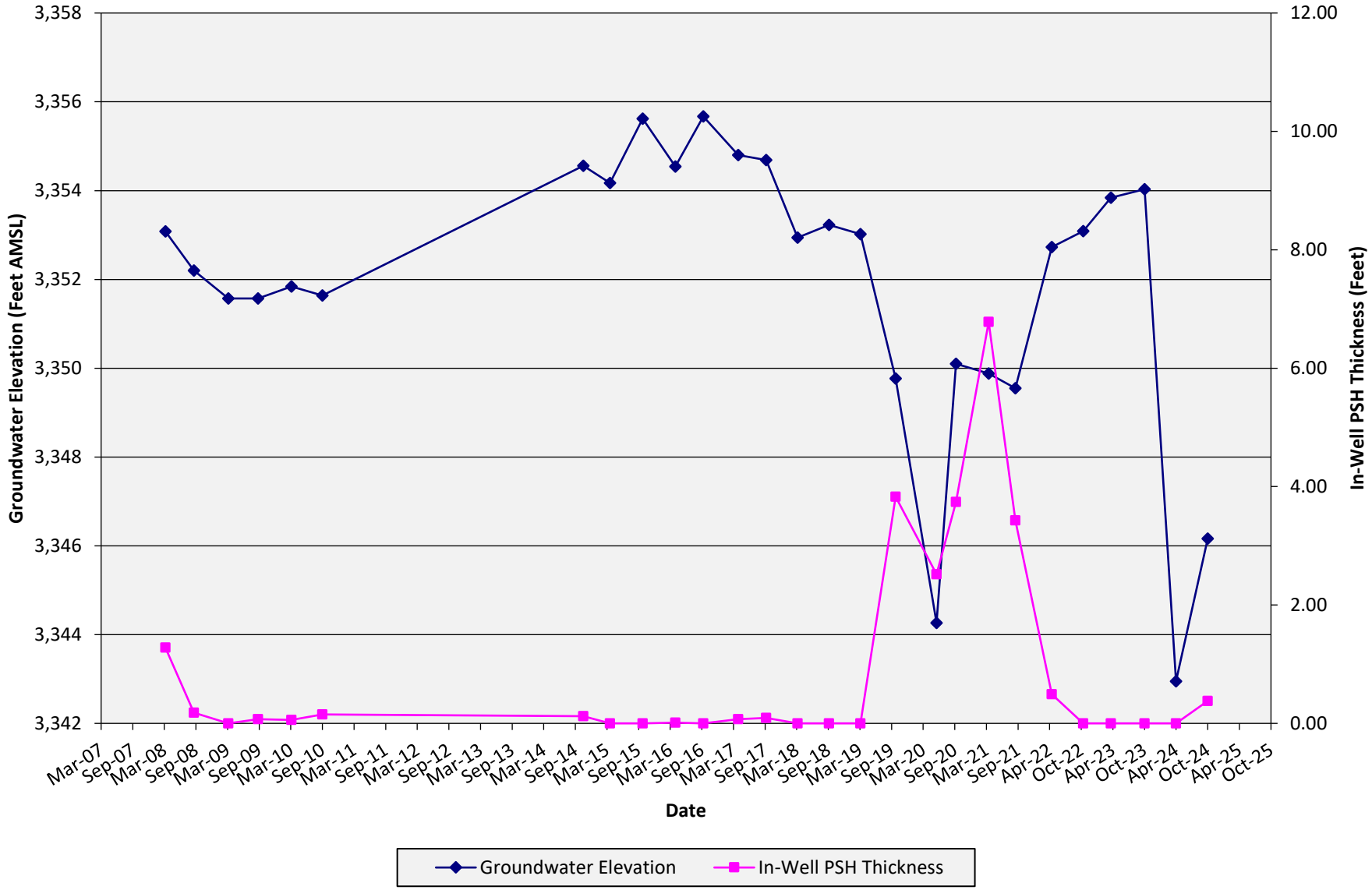
South Refinery



RW-6: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

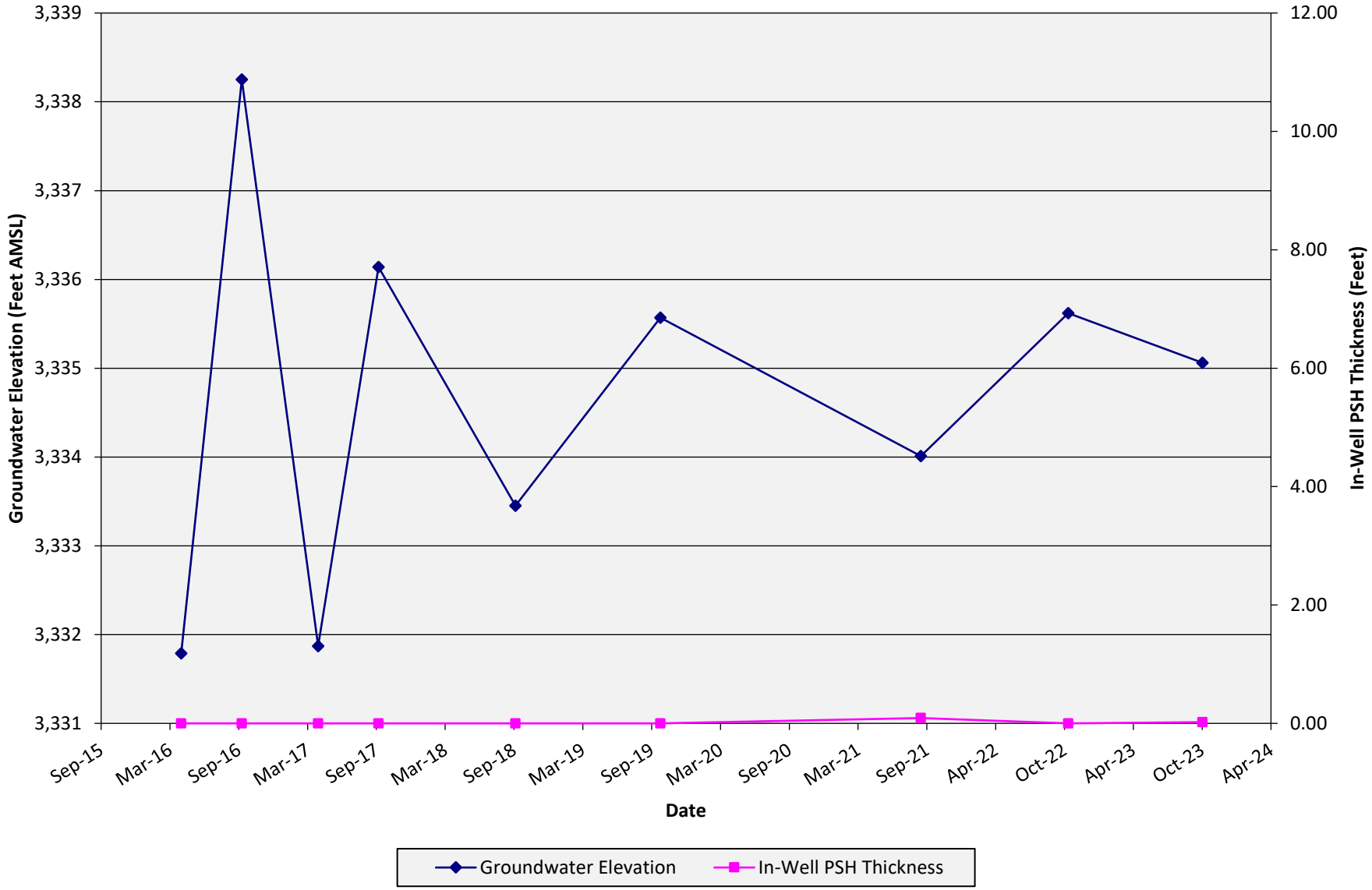
South Refinery



RW-11-0: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

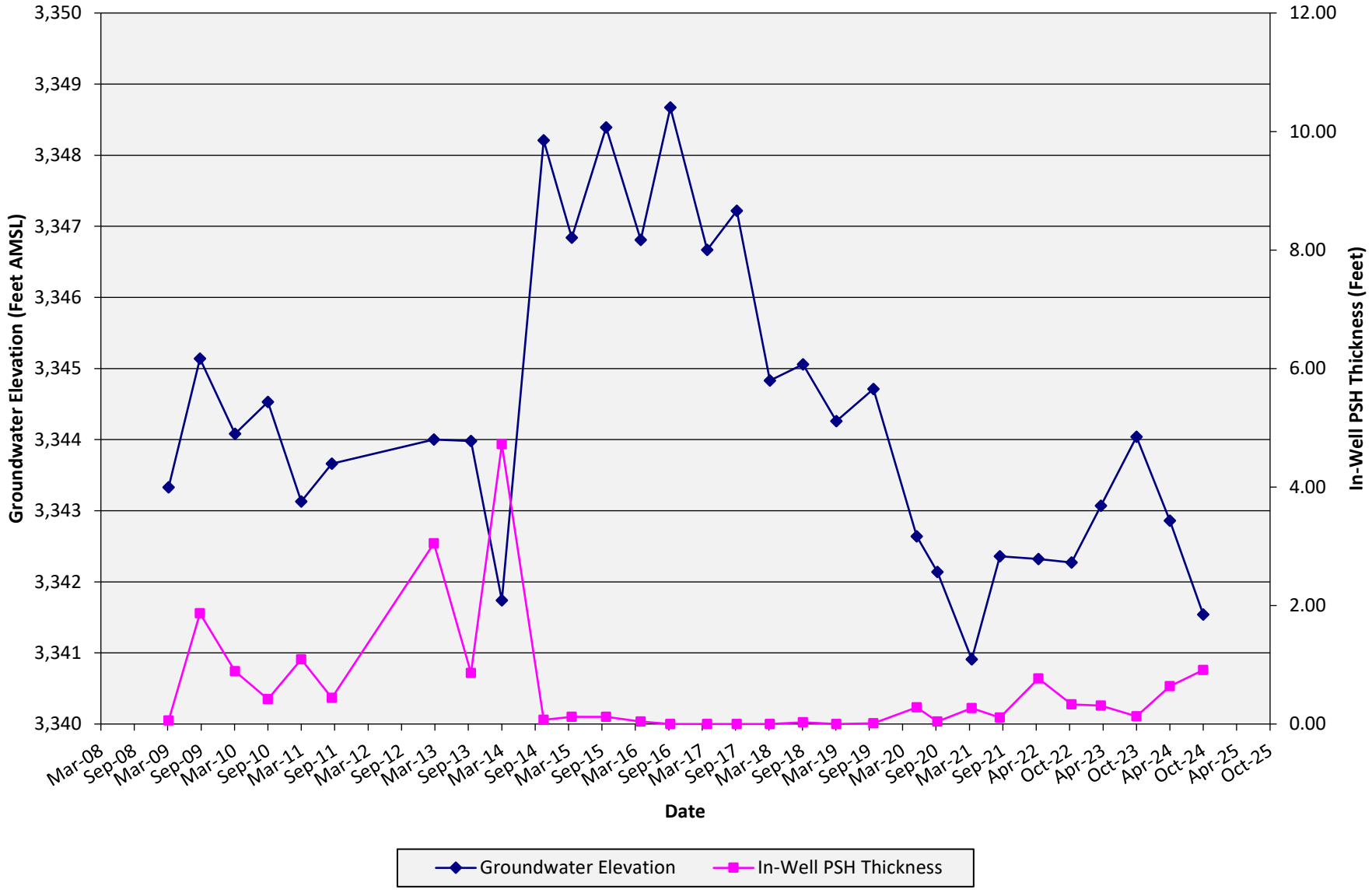
South Refinery



RW-15C: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

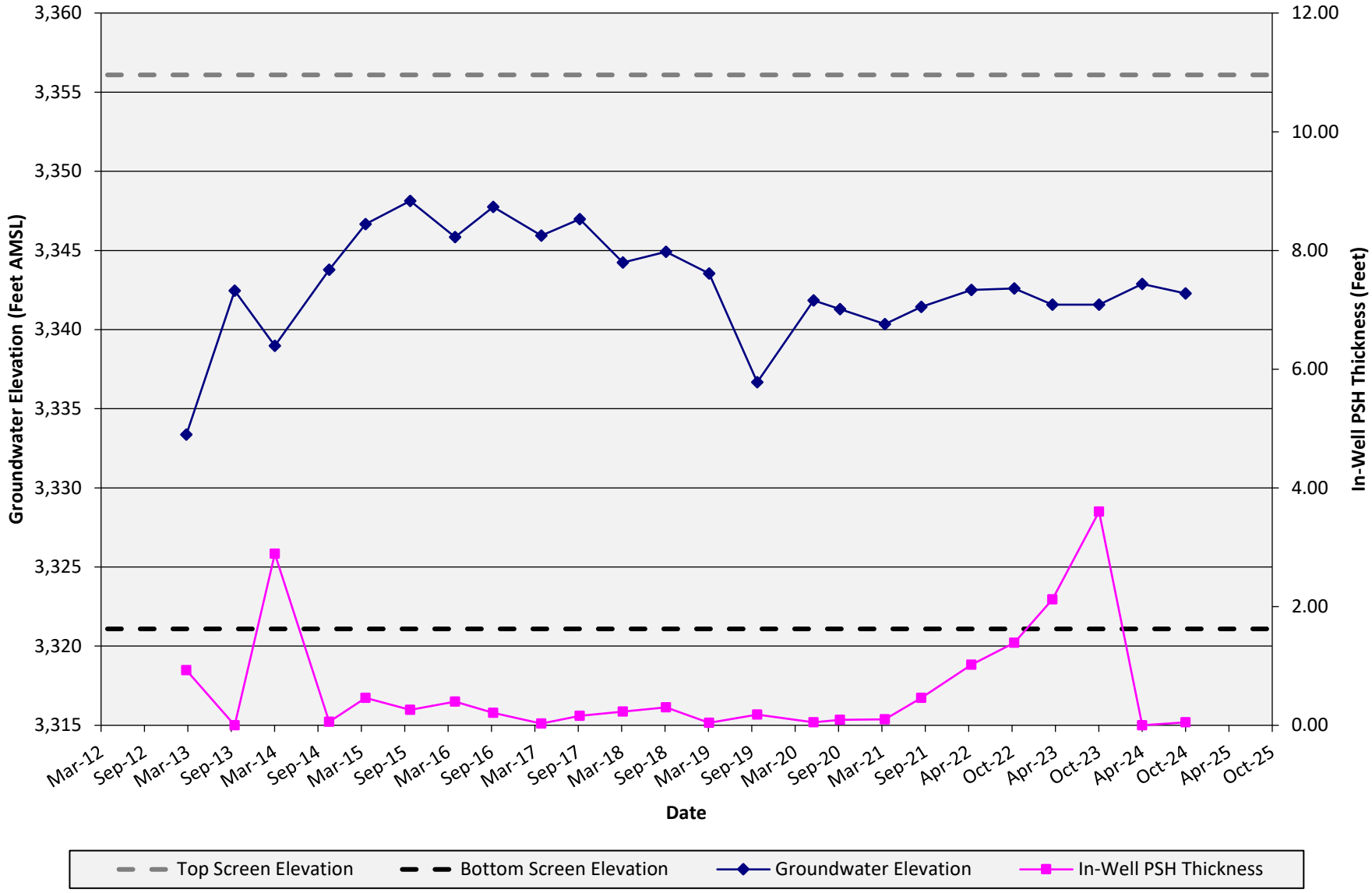
South Refinery



RW-19: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

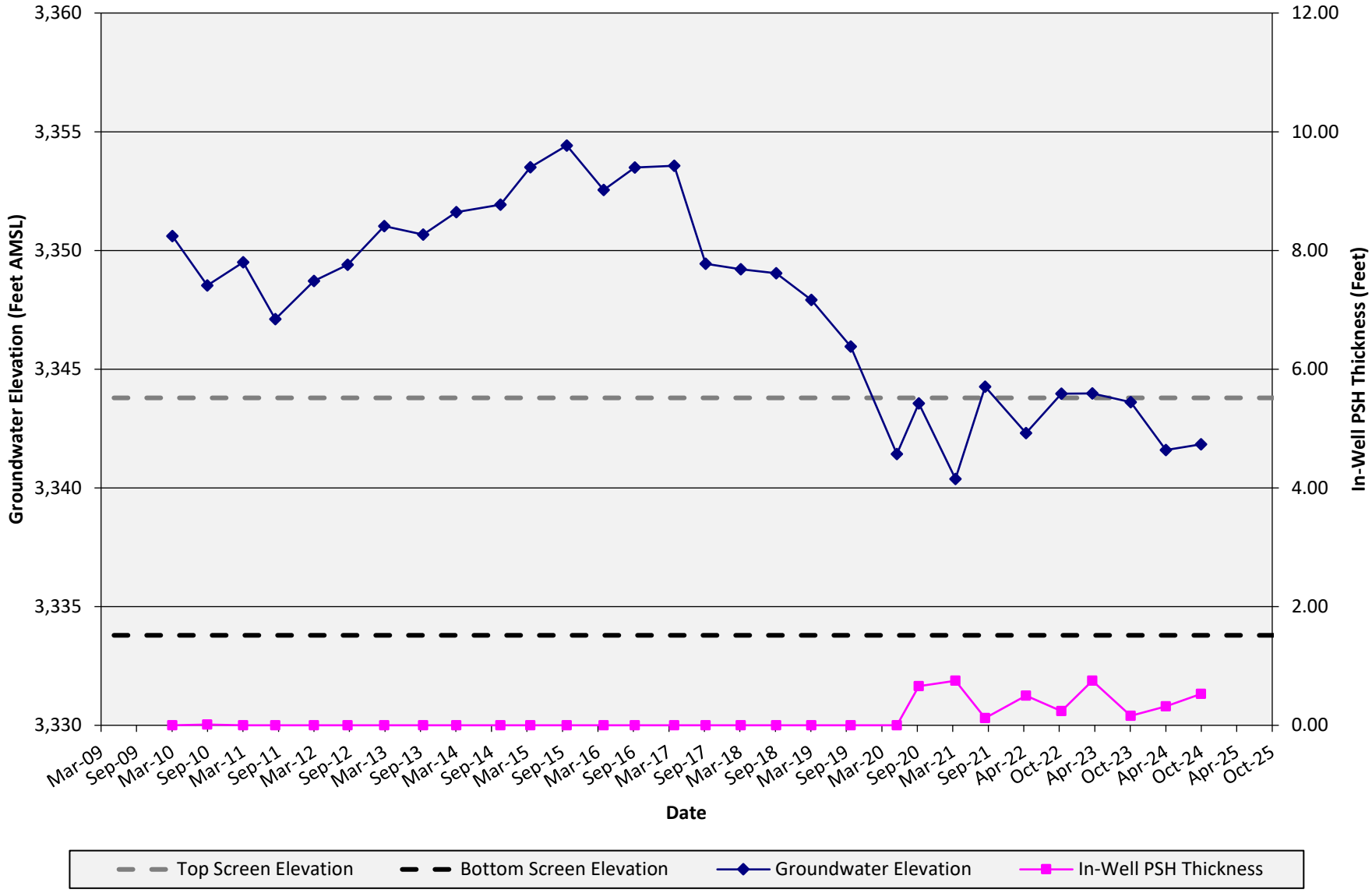
South Refinery



TEL-1: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

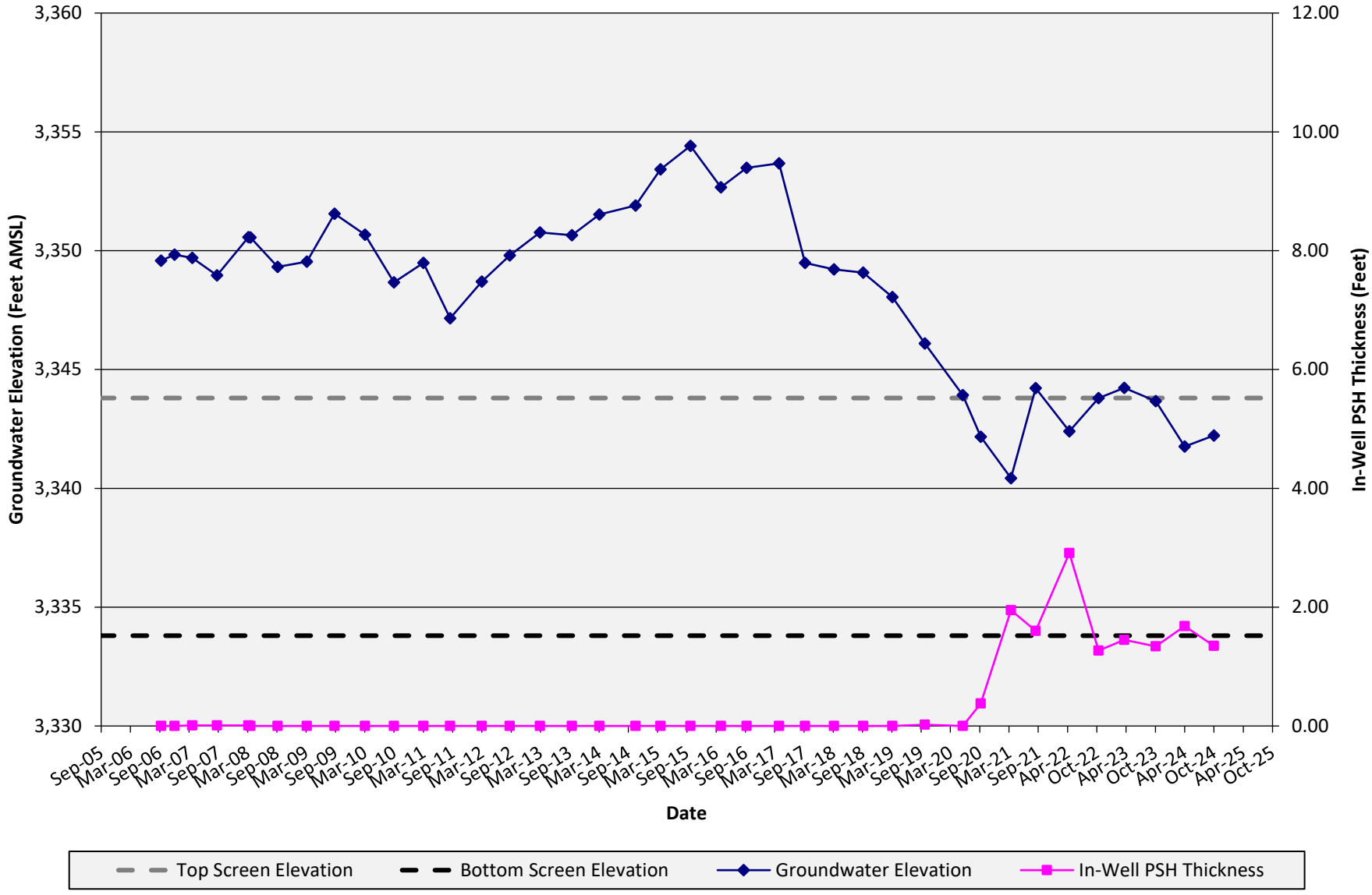
Tetra Ethyl Lead Surface Impoundment



TEL-2: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

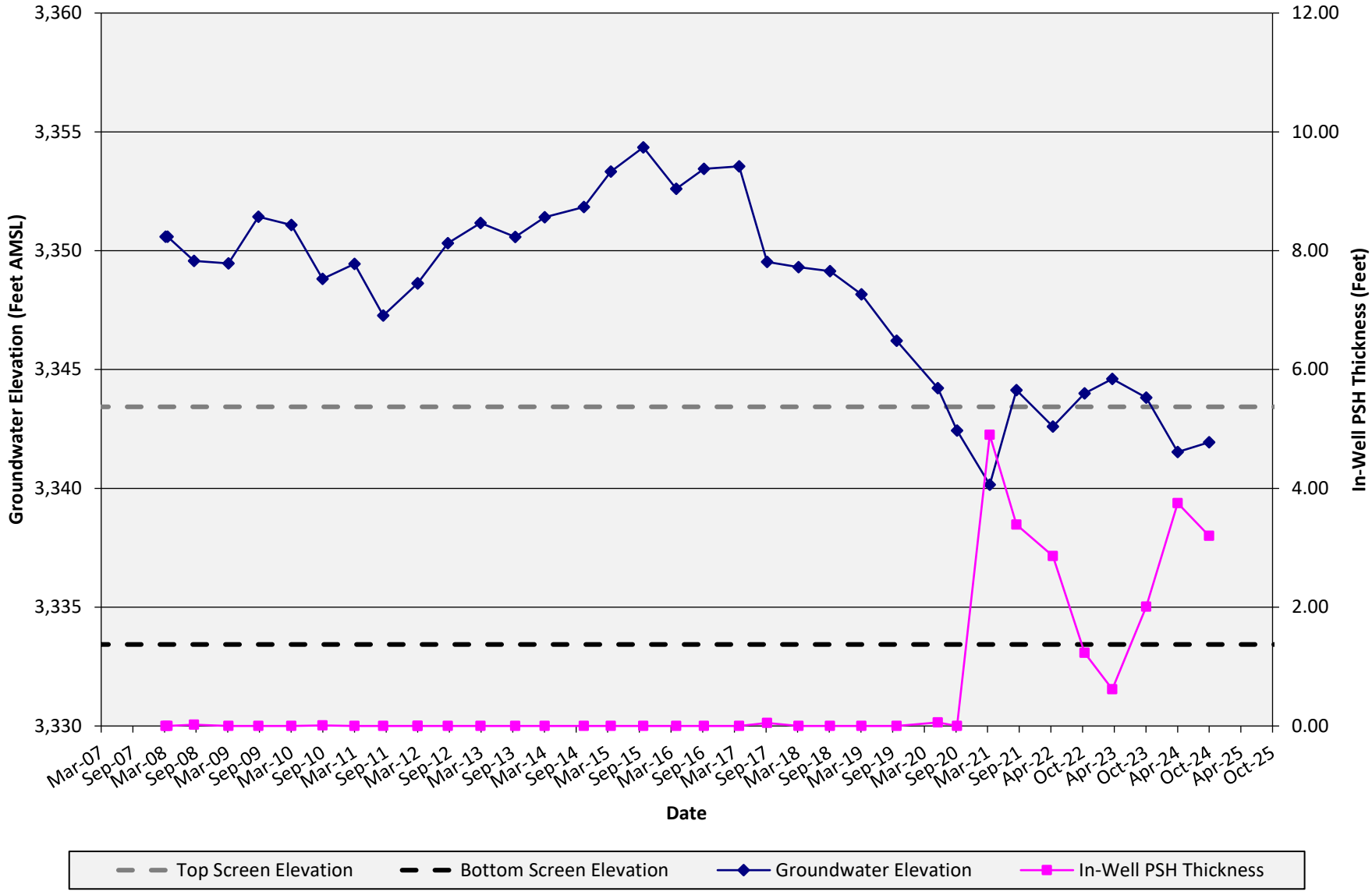
Tetra Ethyl Lead Surface Impoundment



TEL-3: Groundwater Elevations and In-Well PSH Thicknesses

HF Sinclair Navajo Refining LLC - Artesia Refinery

Tetra Ethyl Lead Surface Impoundment



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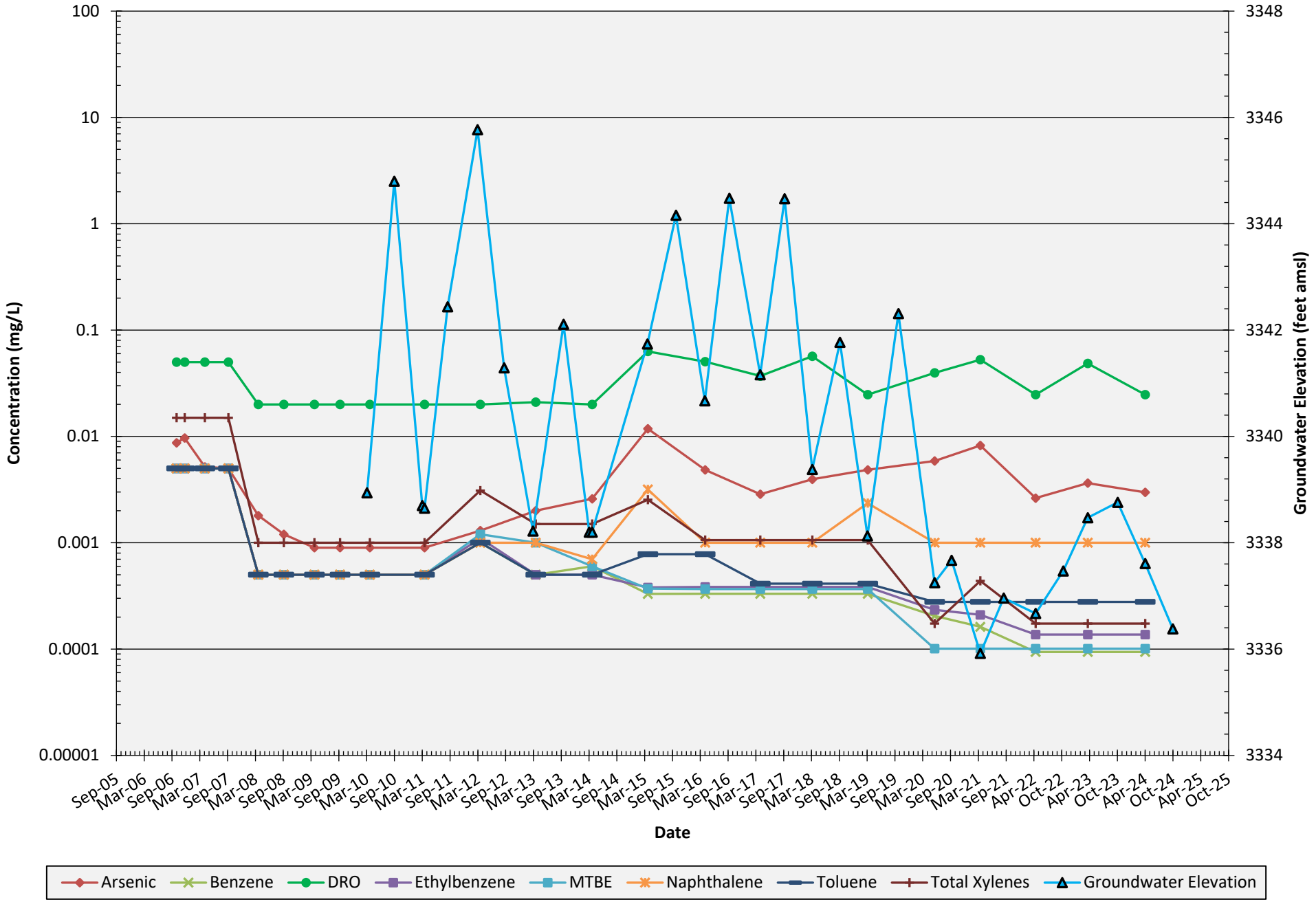
Received by OCD: 6/12/2025 1:19:15 PM

KWB-13: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

Cross-and-Up-Gradient



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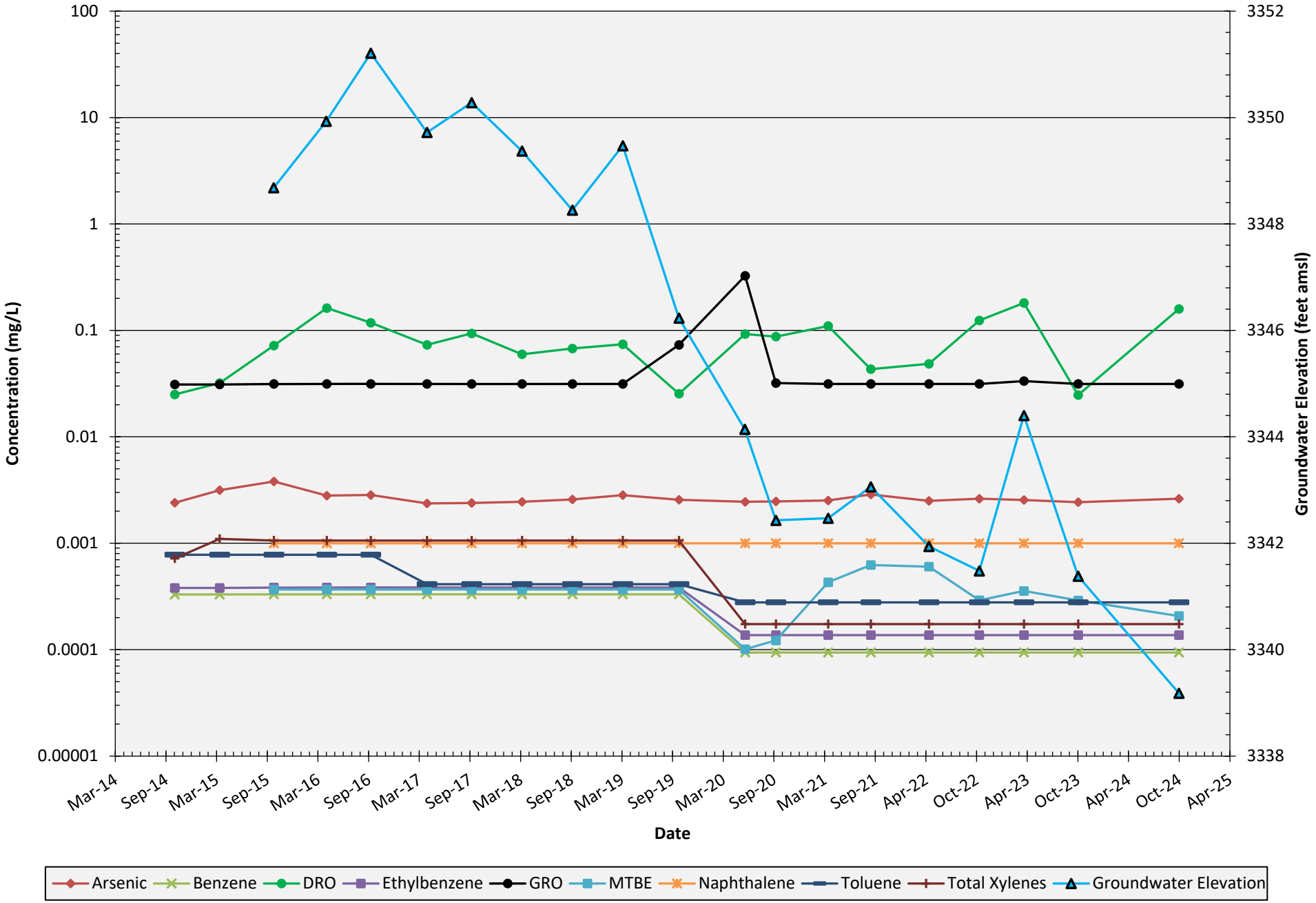
MW-136: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

Cross-and-Up-Gradient



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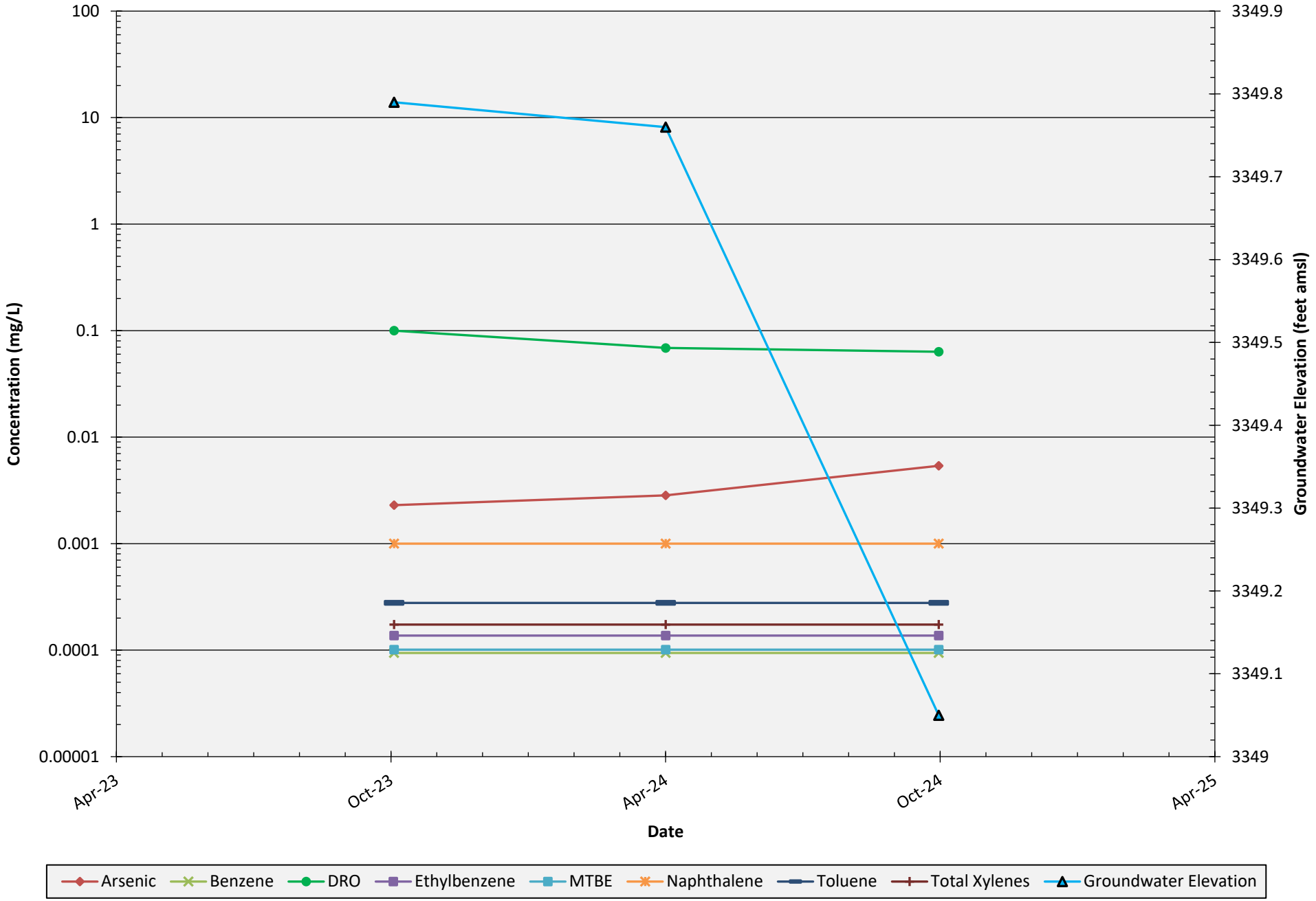
MW-149: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

Cross-and-Up-Gradient



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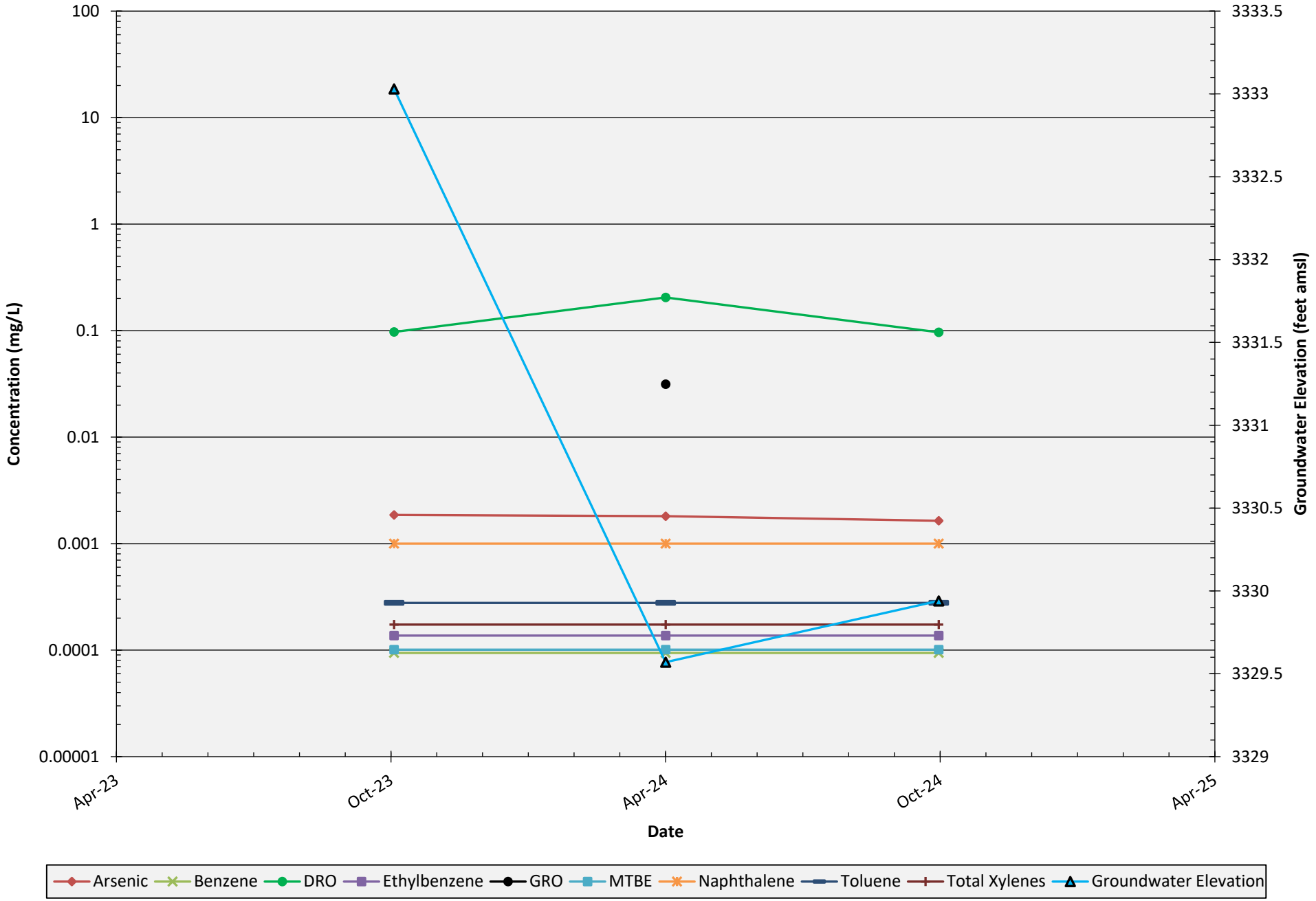
MW-150: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

Cross-and-Up-Gradient



Released to Imaging: 6/17/2025 4:41:11 PM
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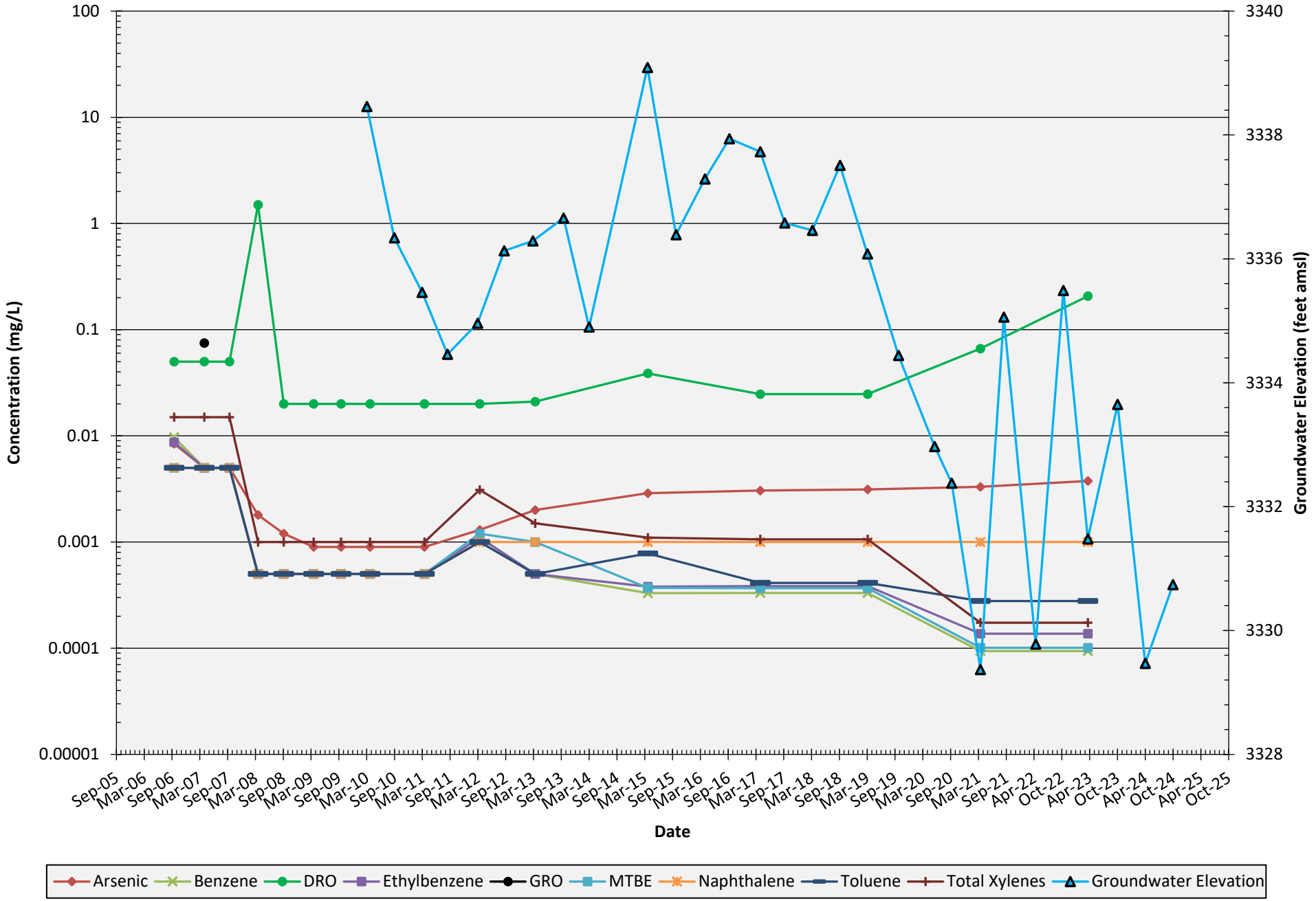
NP-5: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

Cross-and-Up-Gradient



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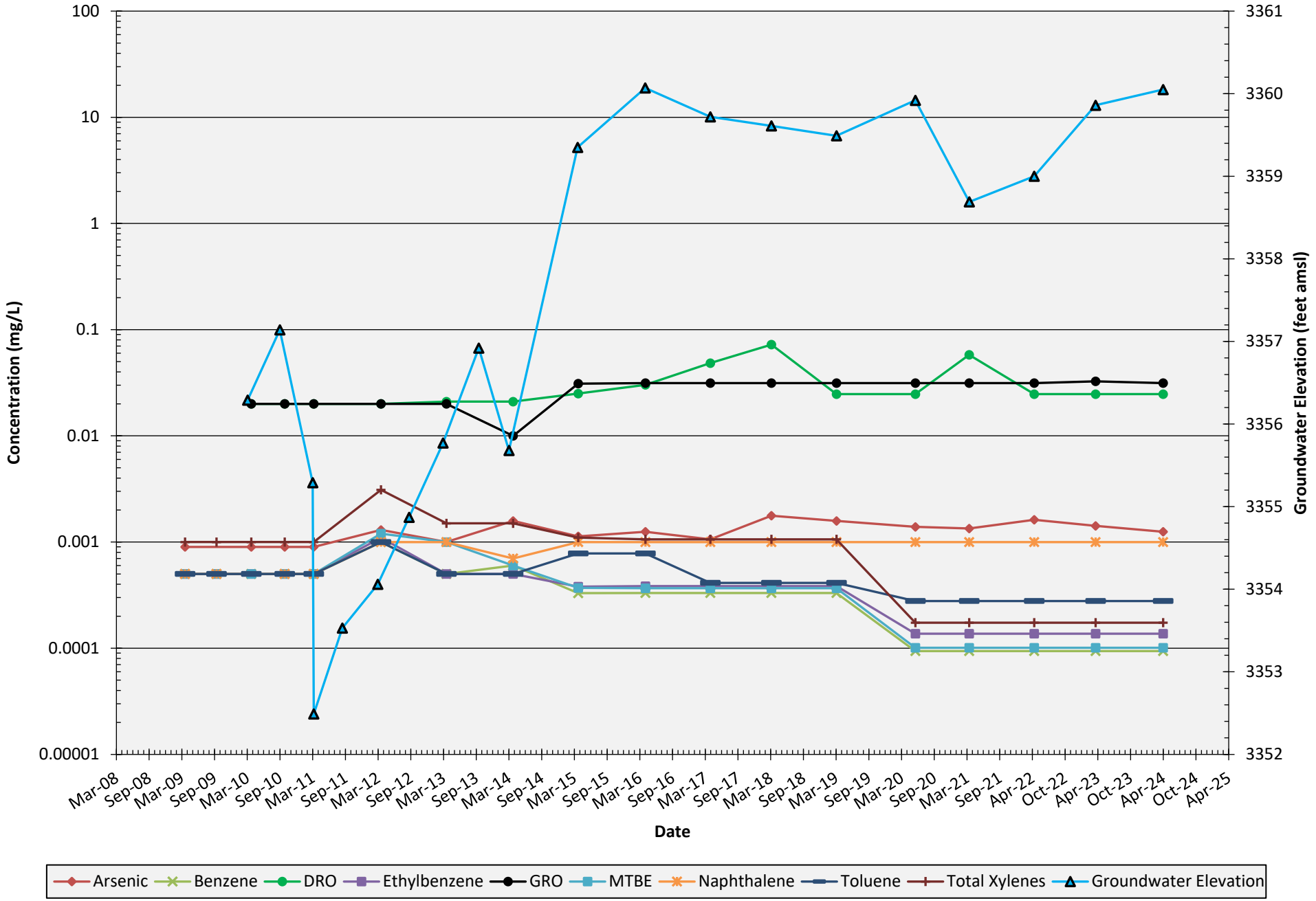
Received by OCD: 6/12/2025 1:19:15 PM

UG-1: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

Cross-and-Up-Gradient



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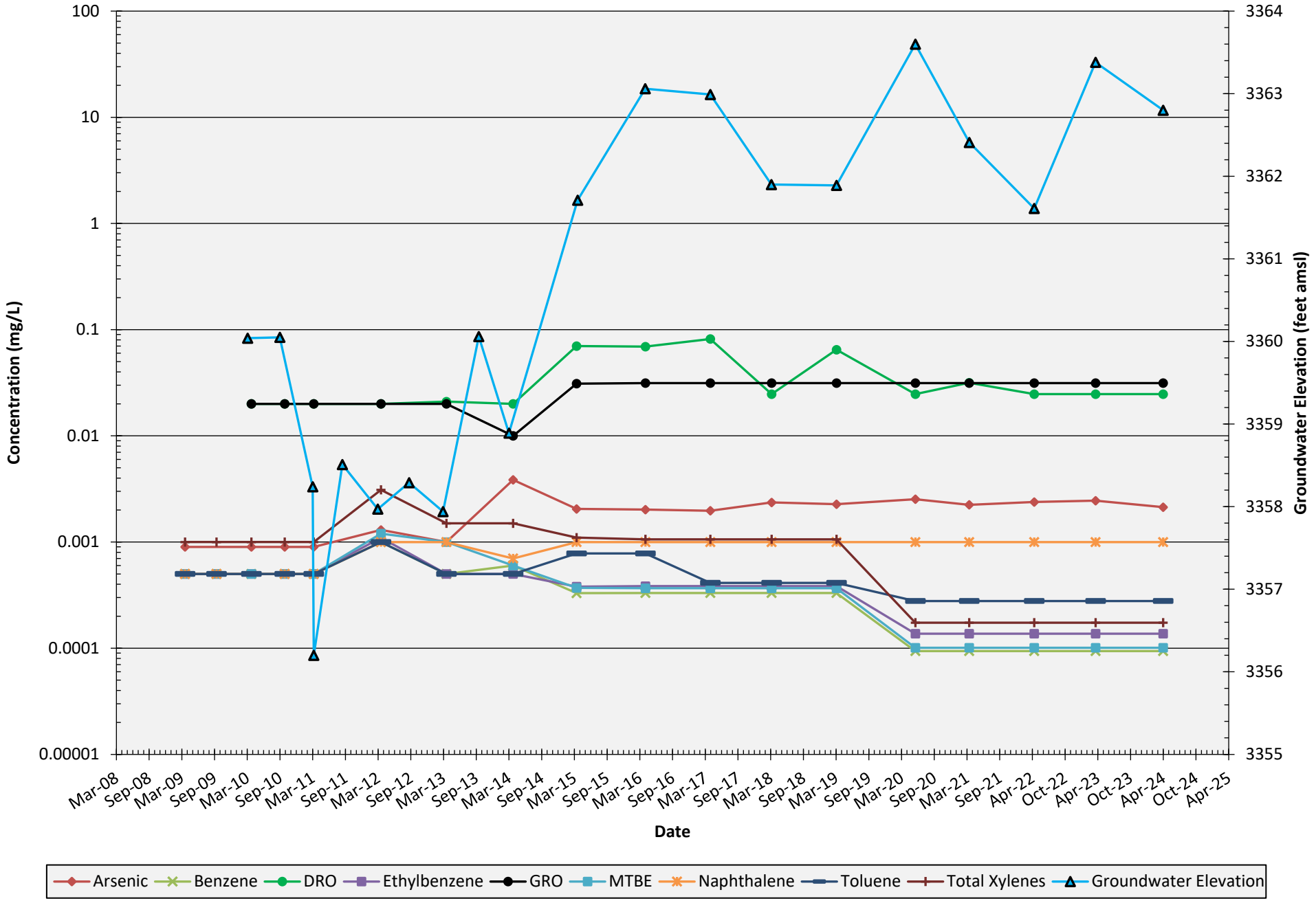
UG-2: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

Cross-and-Up-Gradient



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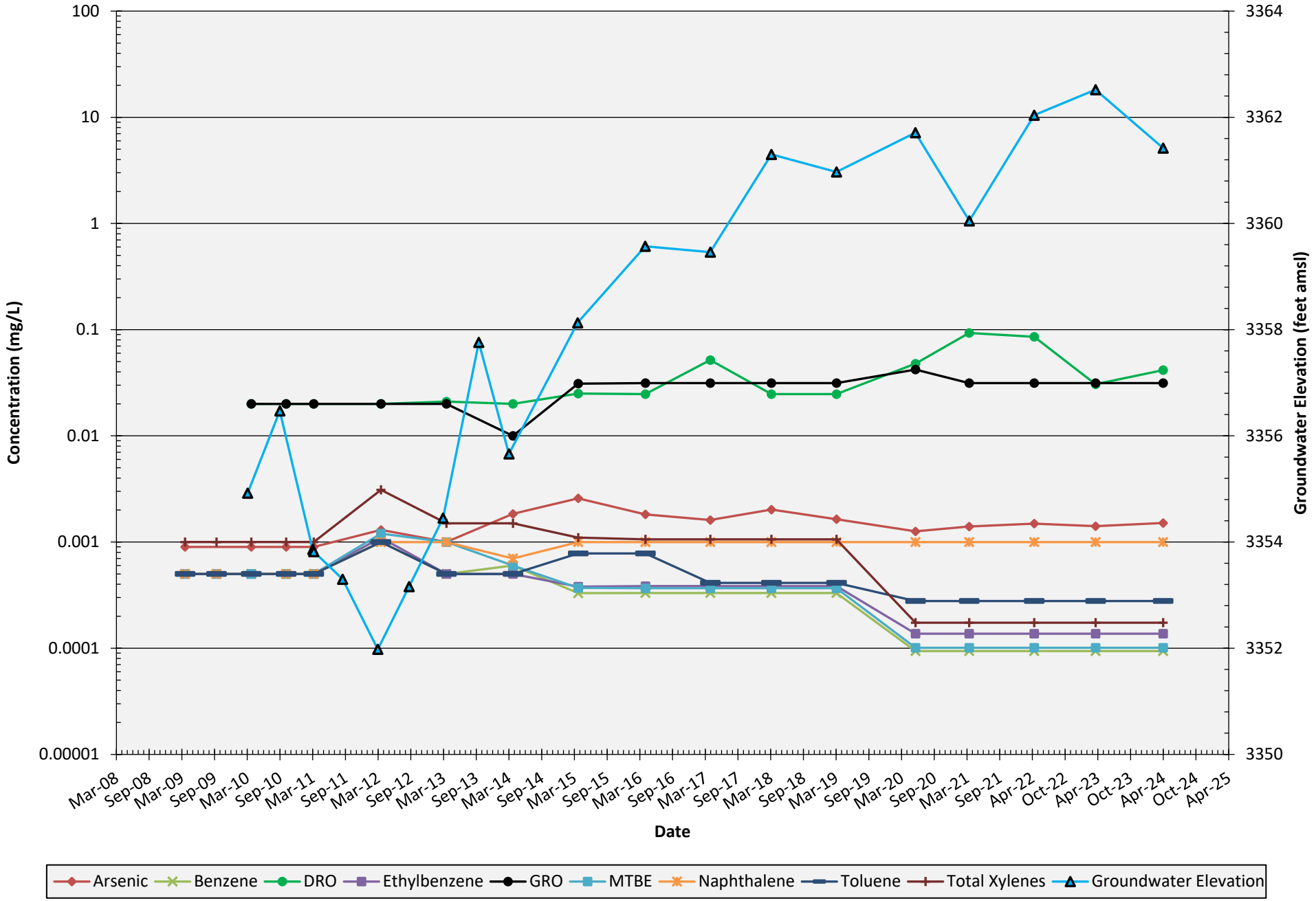
UG-3R: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

Cross-and-Up-Gradient



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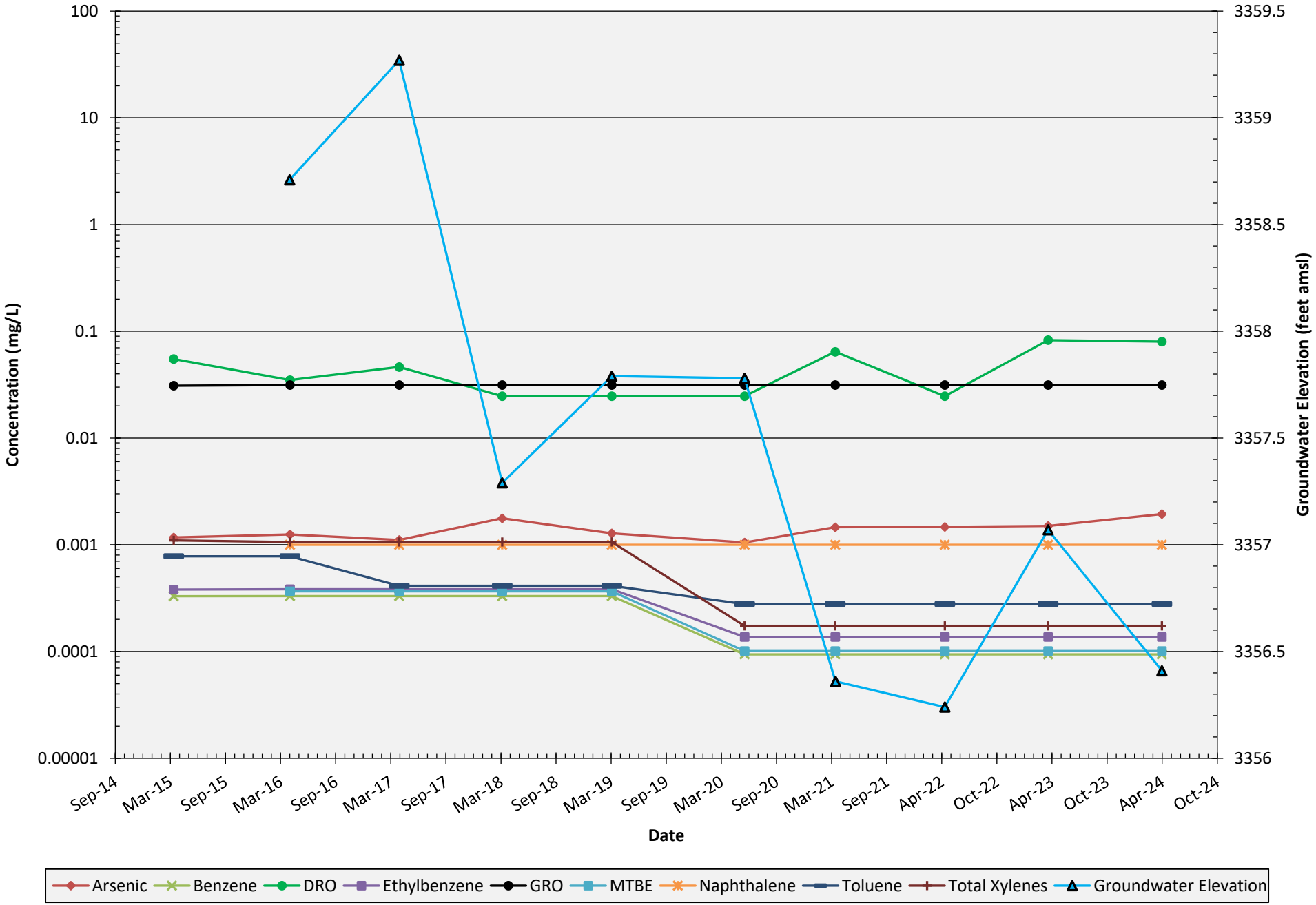
UG-4: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

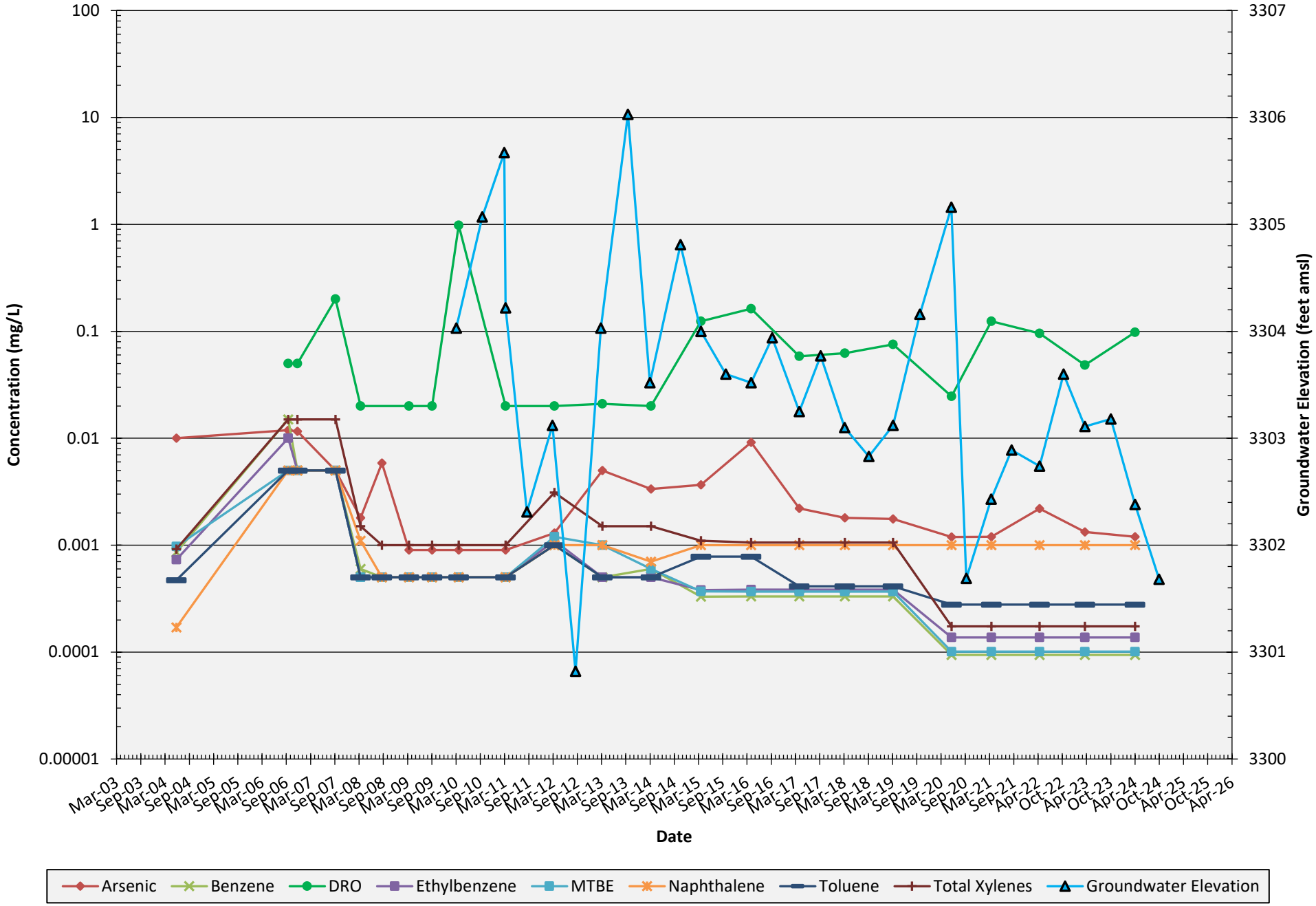
Cross-and-Up-Gradient



MW-1R: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

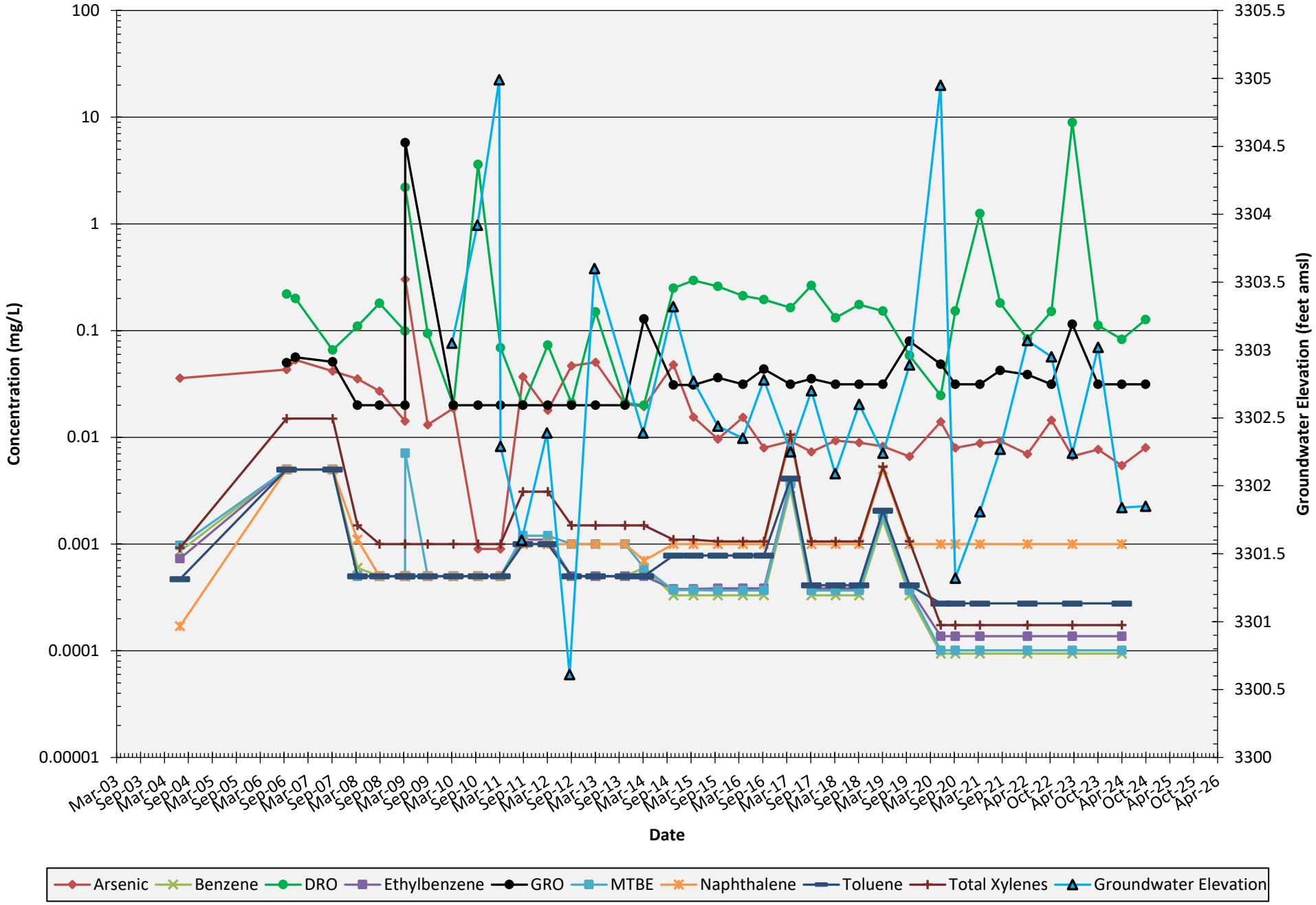
Evaporation Ponds



MW-2A: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

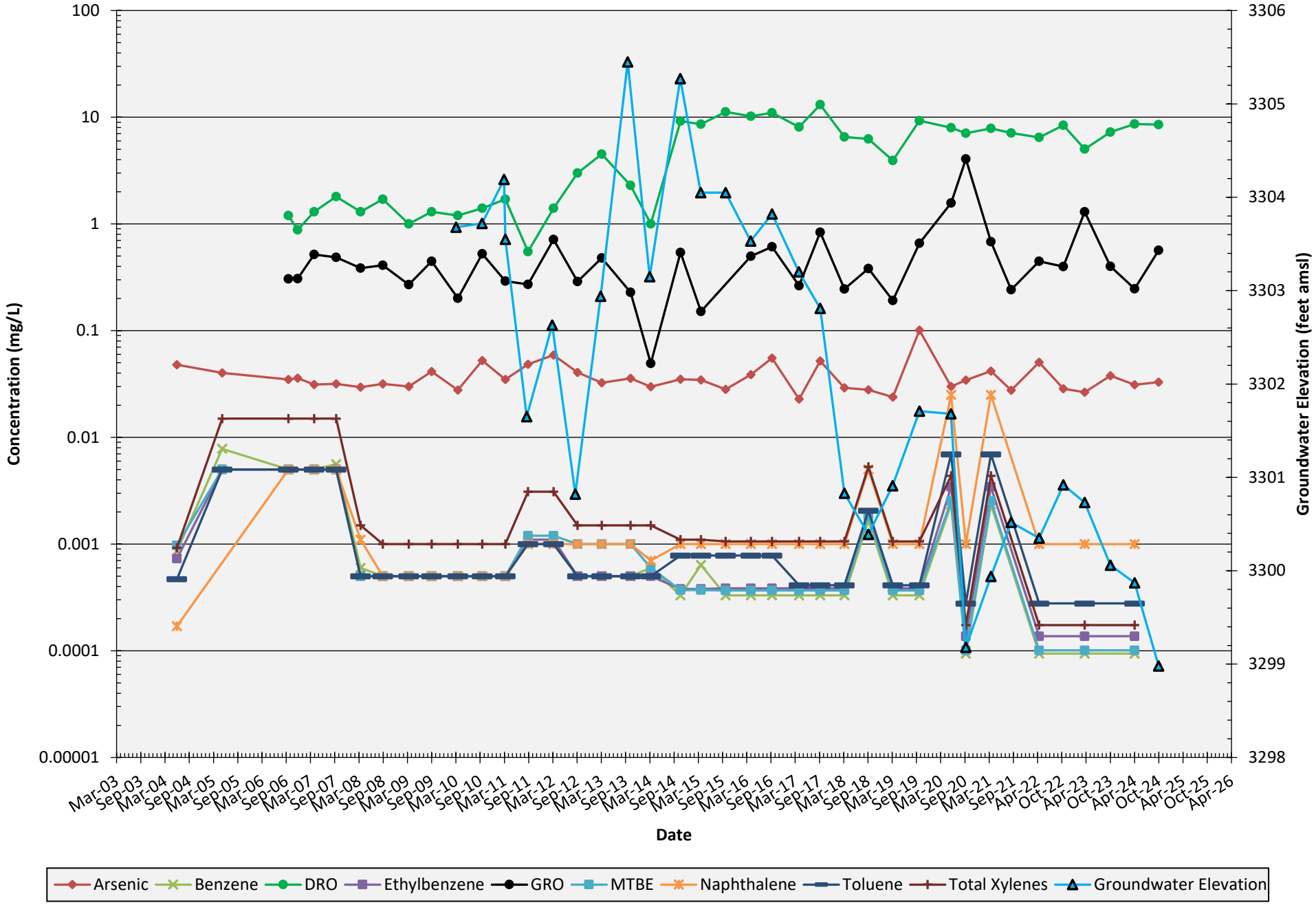
Evaporation Ponds



MW-3: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

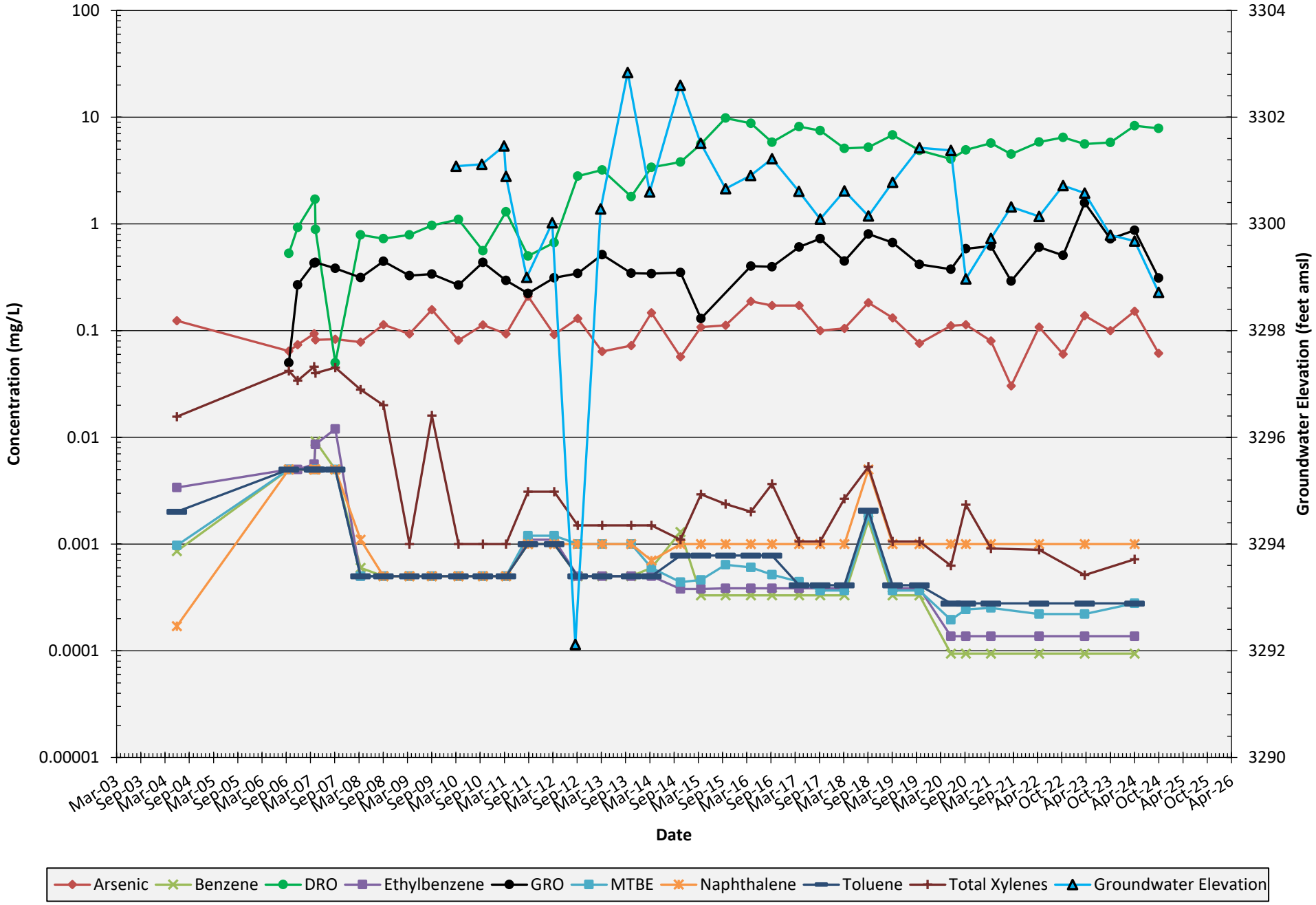
Evaporation Ponds



MW-4A: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

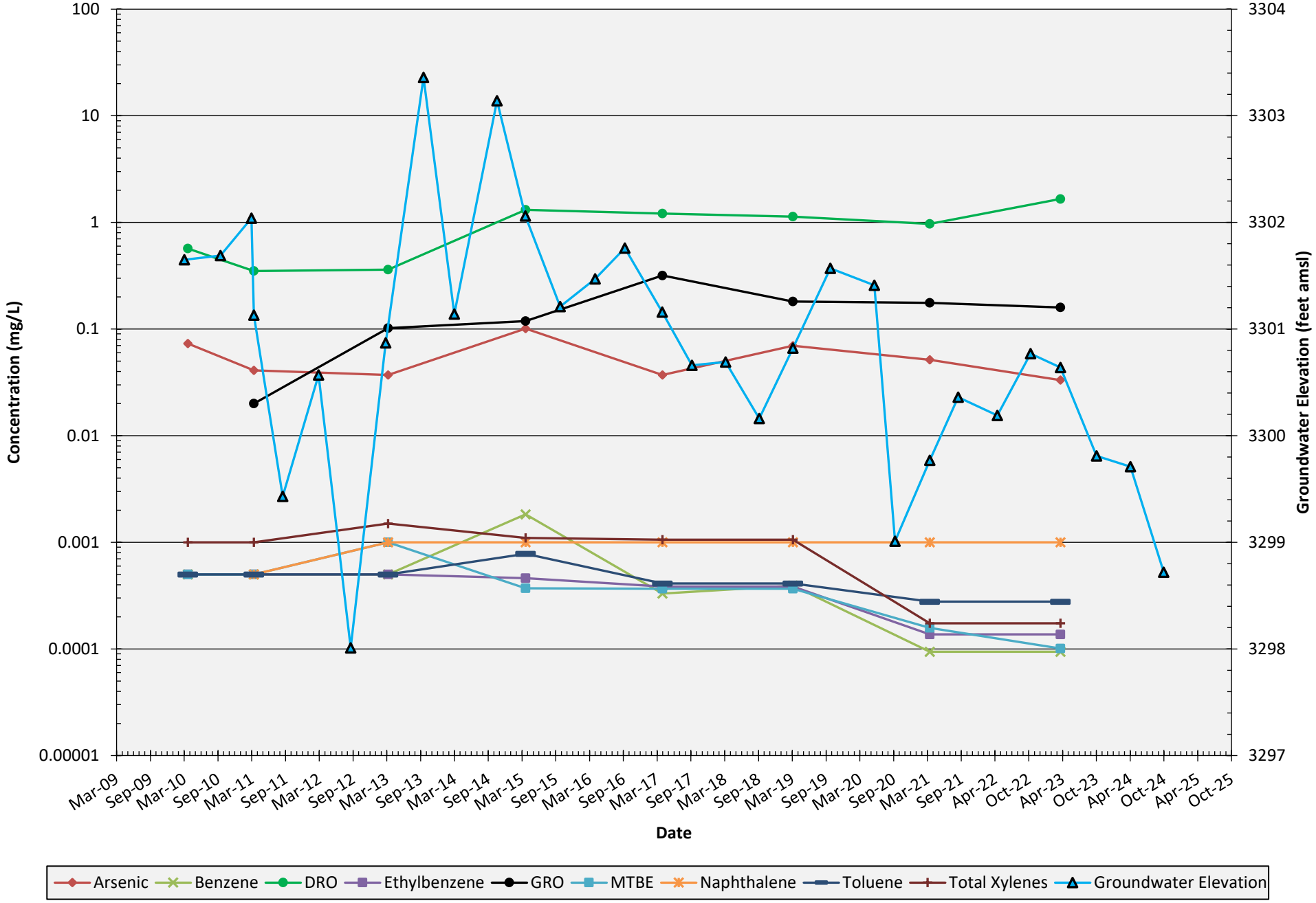
Evaporation Ponds



MW-4B: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

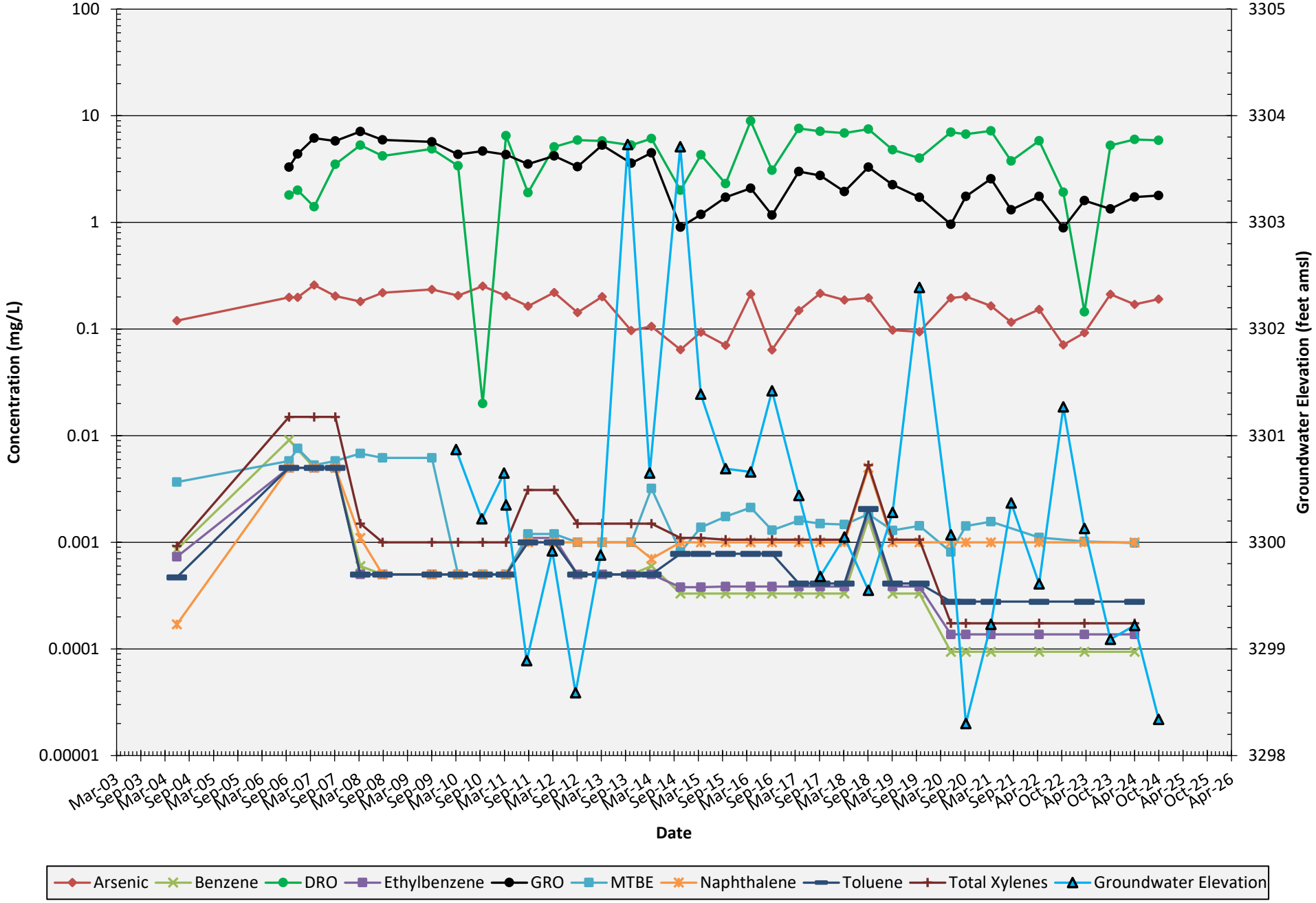
Evaporation Ponds



MW-5A: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

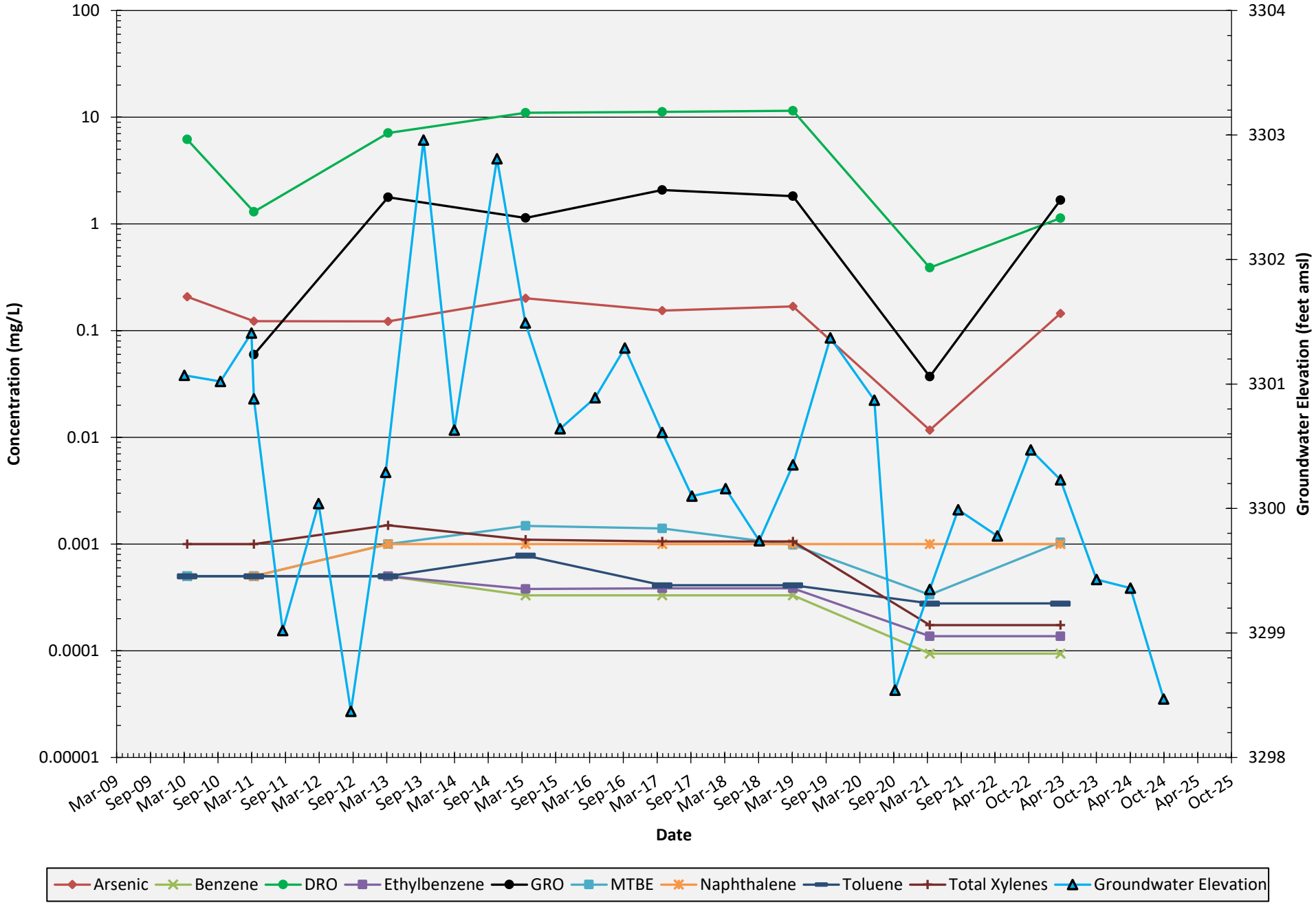
Evaporation Ponds



MW-5B: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

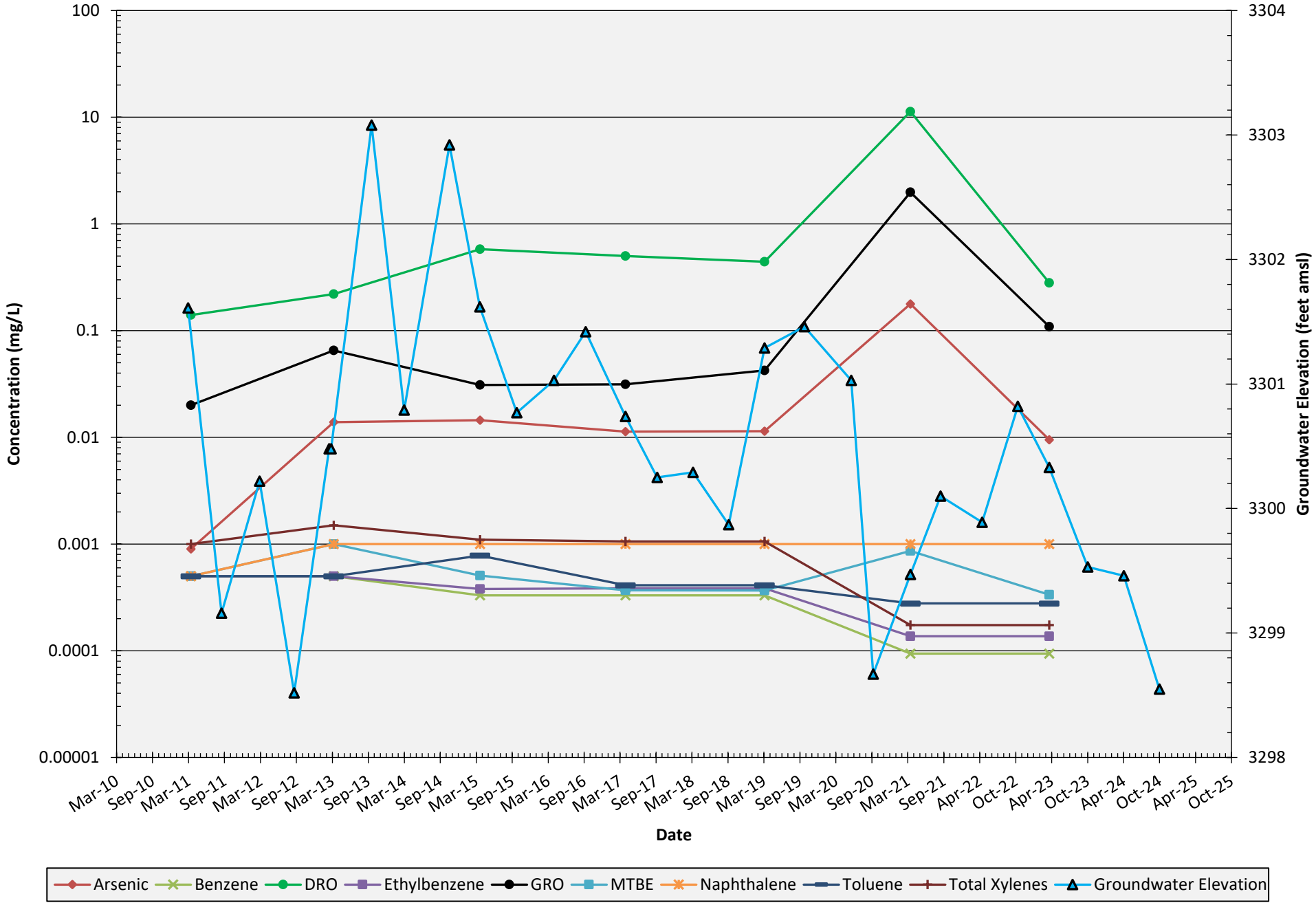
Evaporation Ponds



MW-5C: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

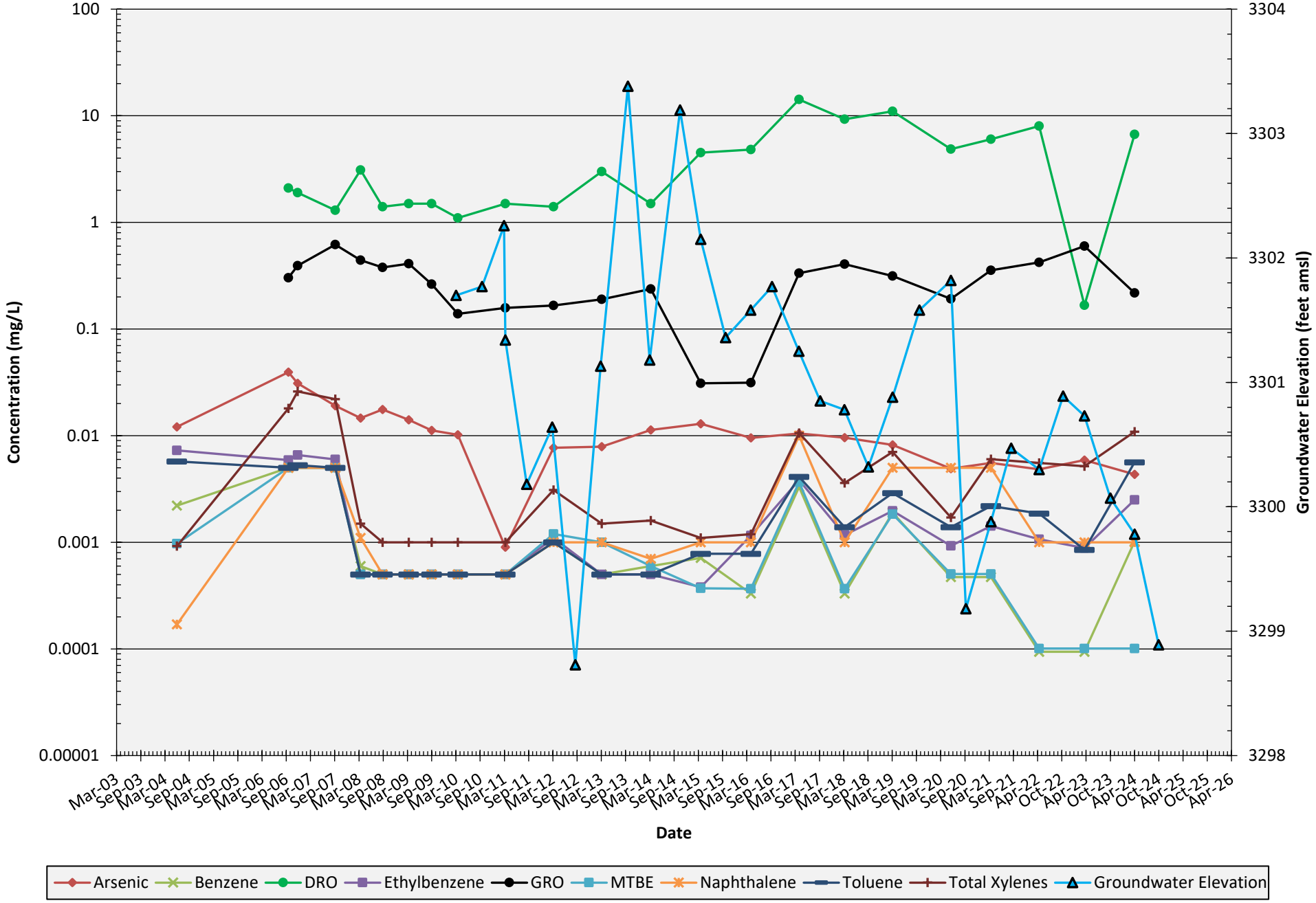
Evaporation Ponds



MW-6A: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

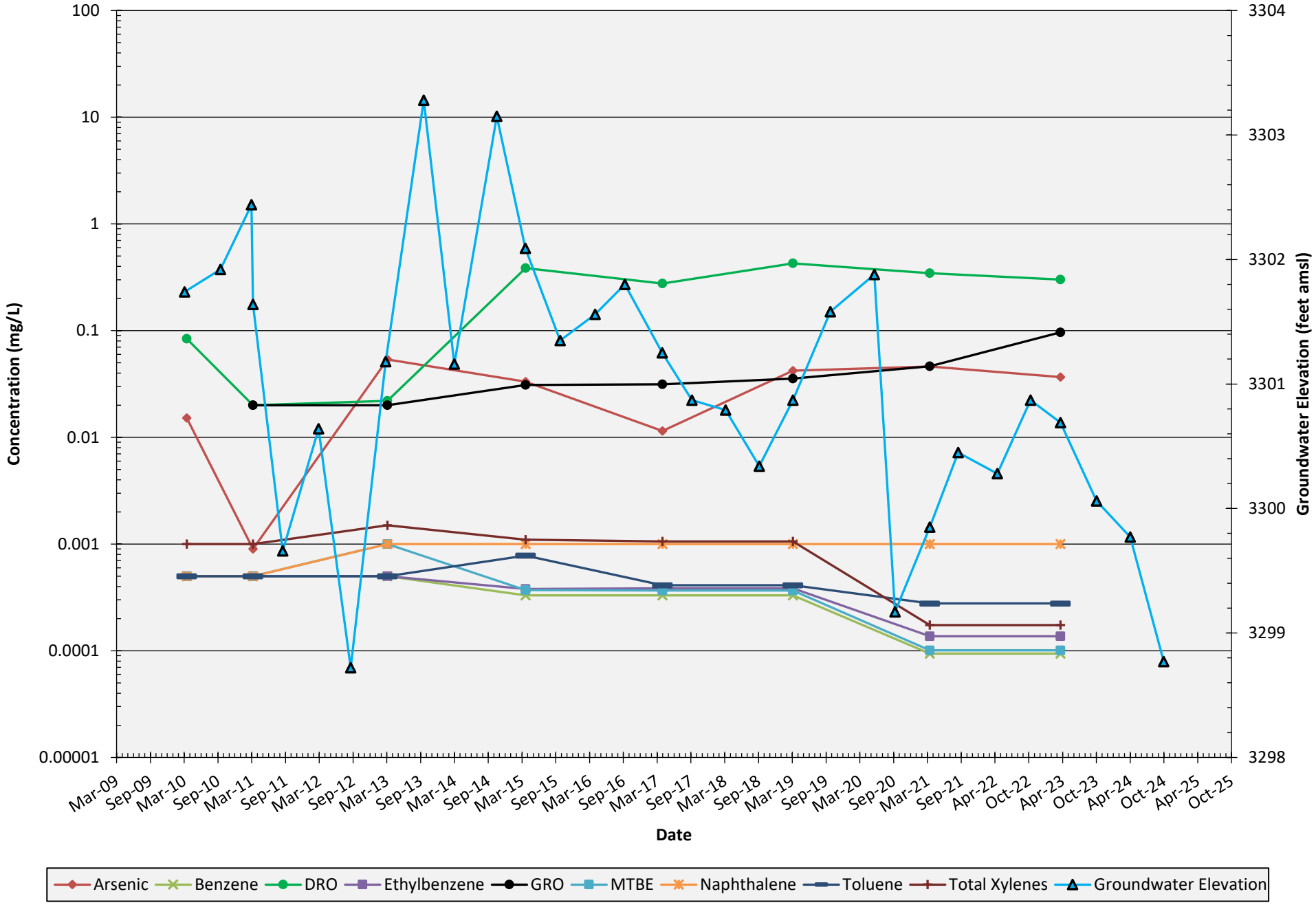
Evaporation Ponds



MW-6B: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

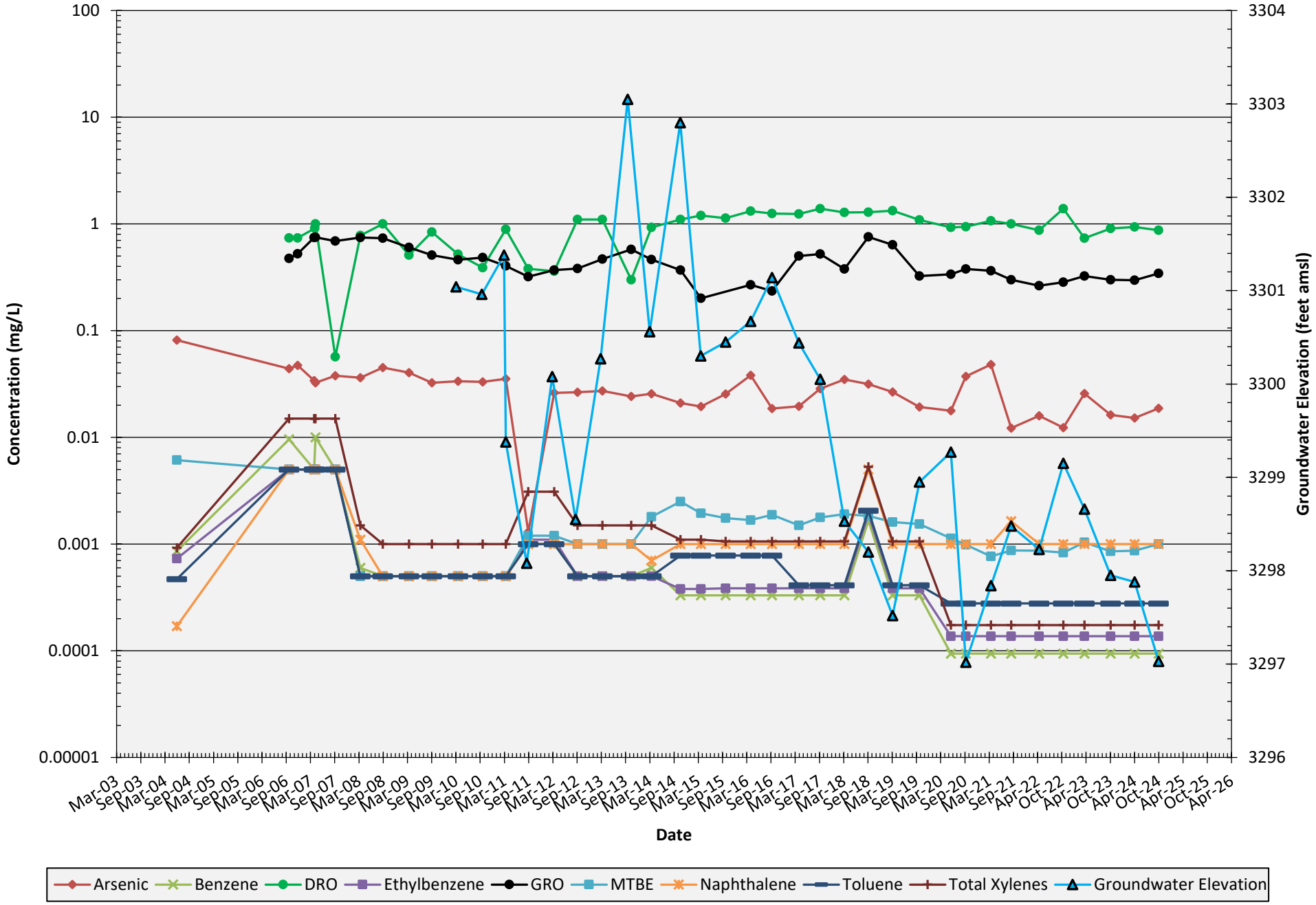
Evaporation Ponds



MW-7A: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

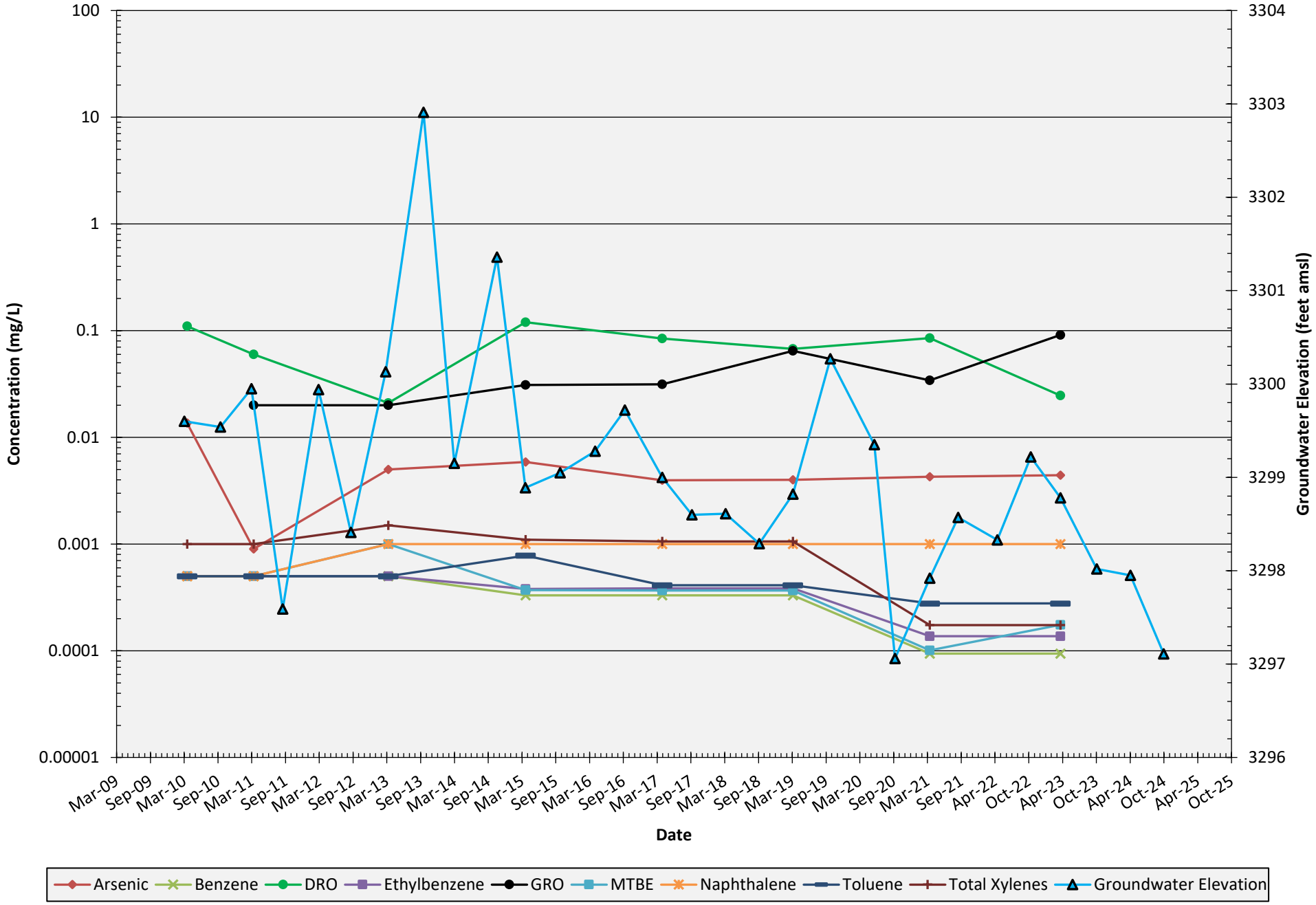
Evaporation Ponds



MW-7B: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

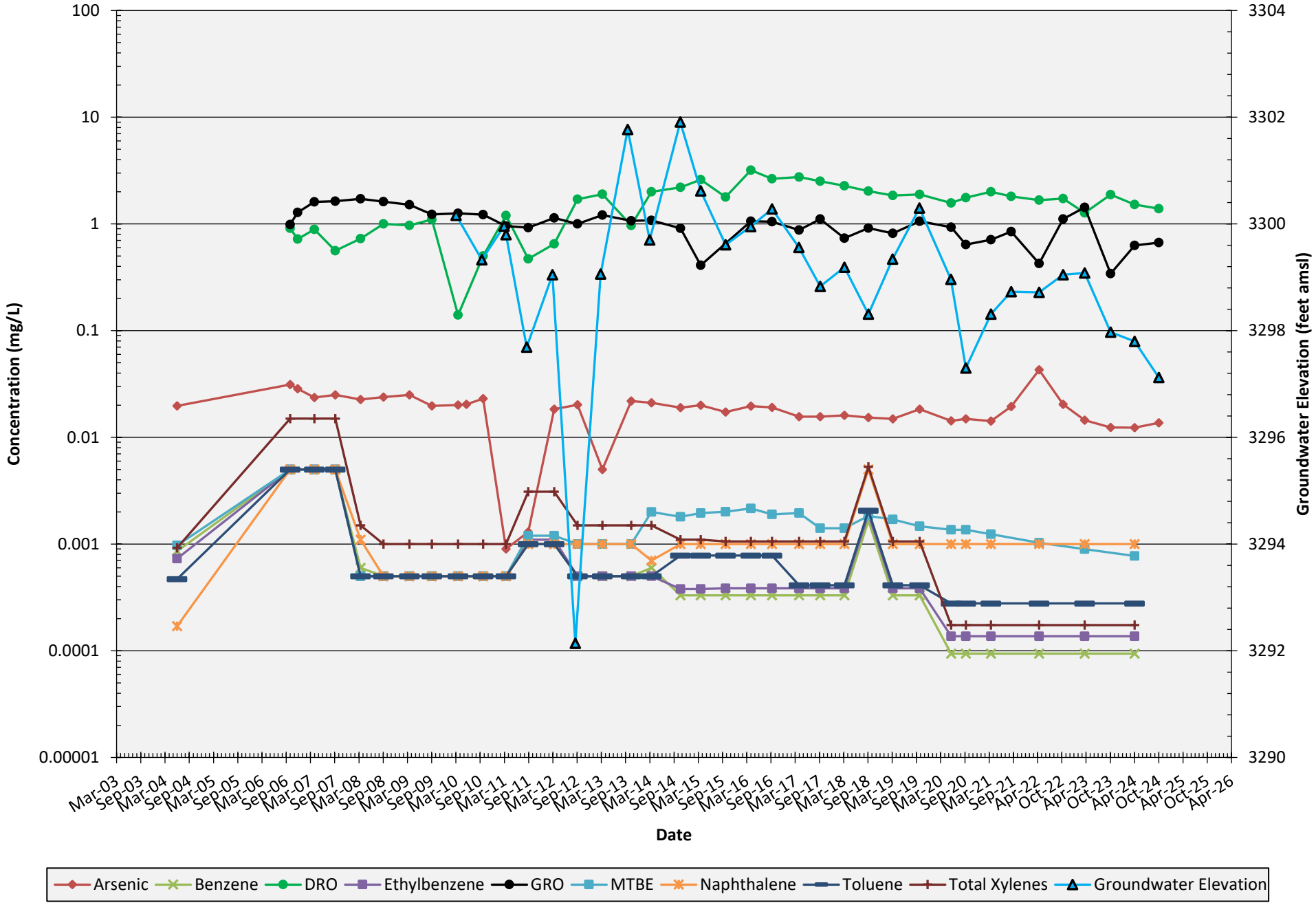
Evaporation Ponds



MW-10: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

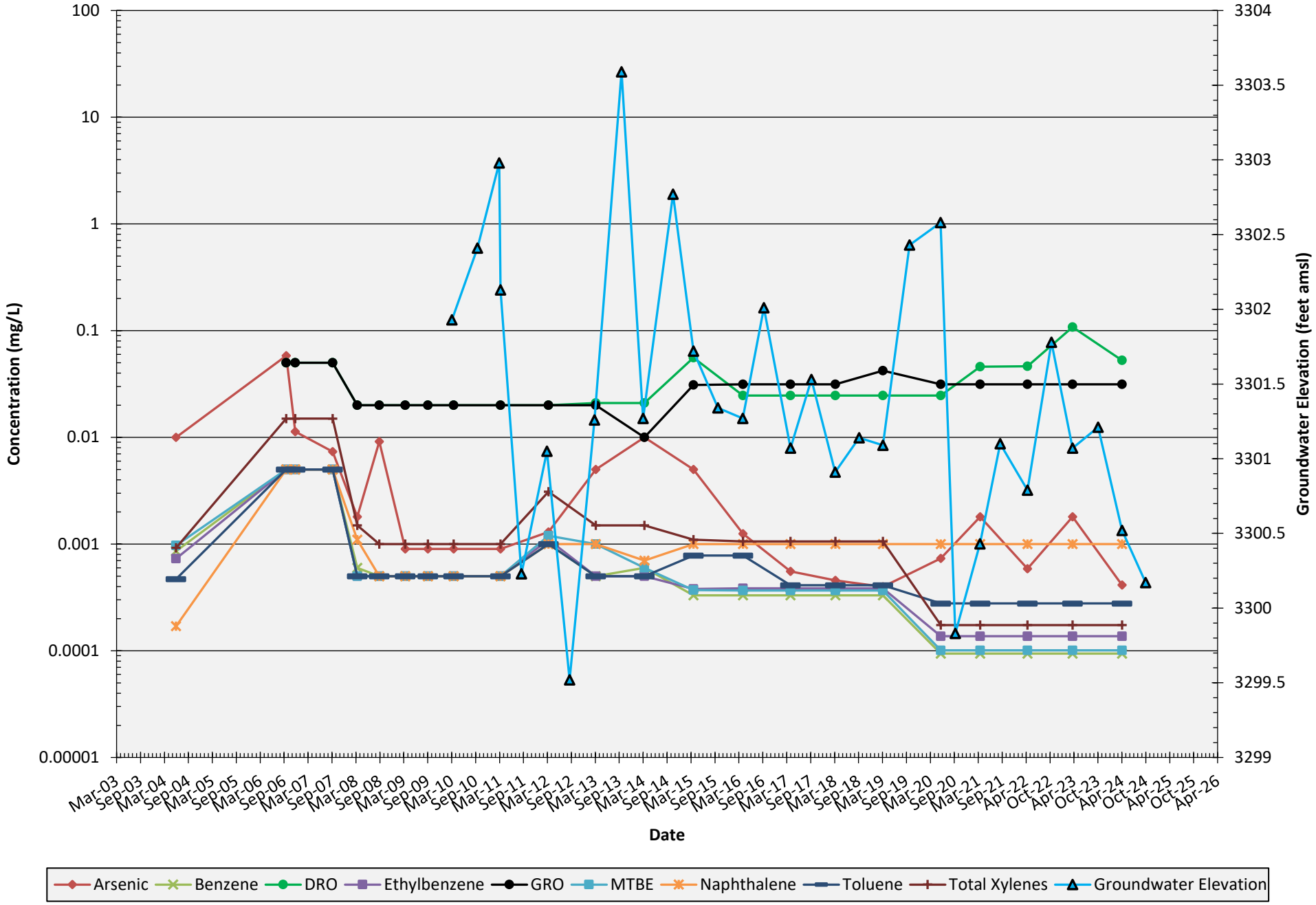
Evaporation Ponds



MW-11A: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

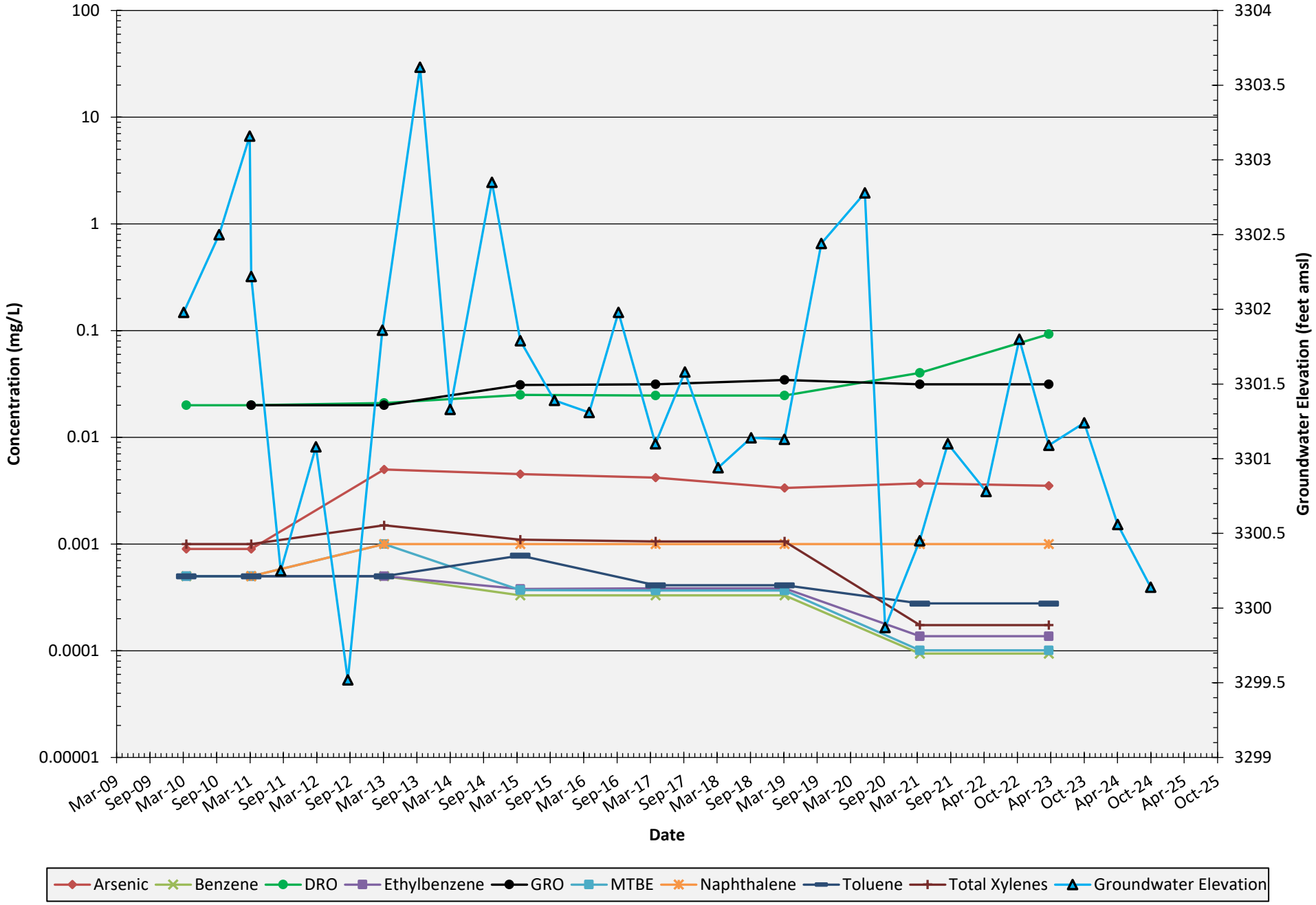
Evaporation Ponds



MW-11B: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

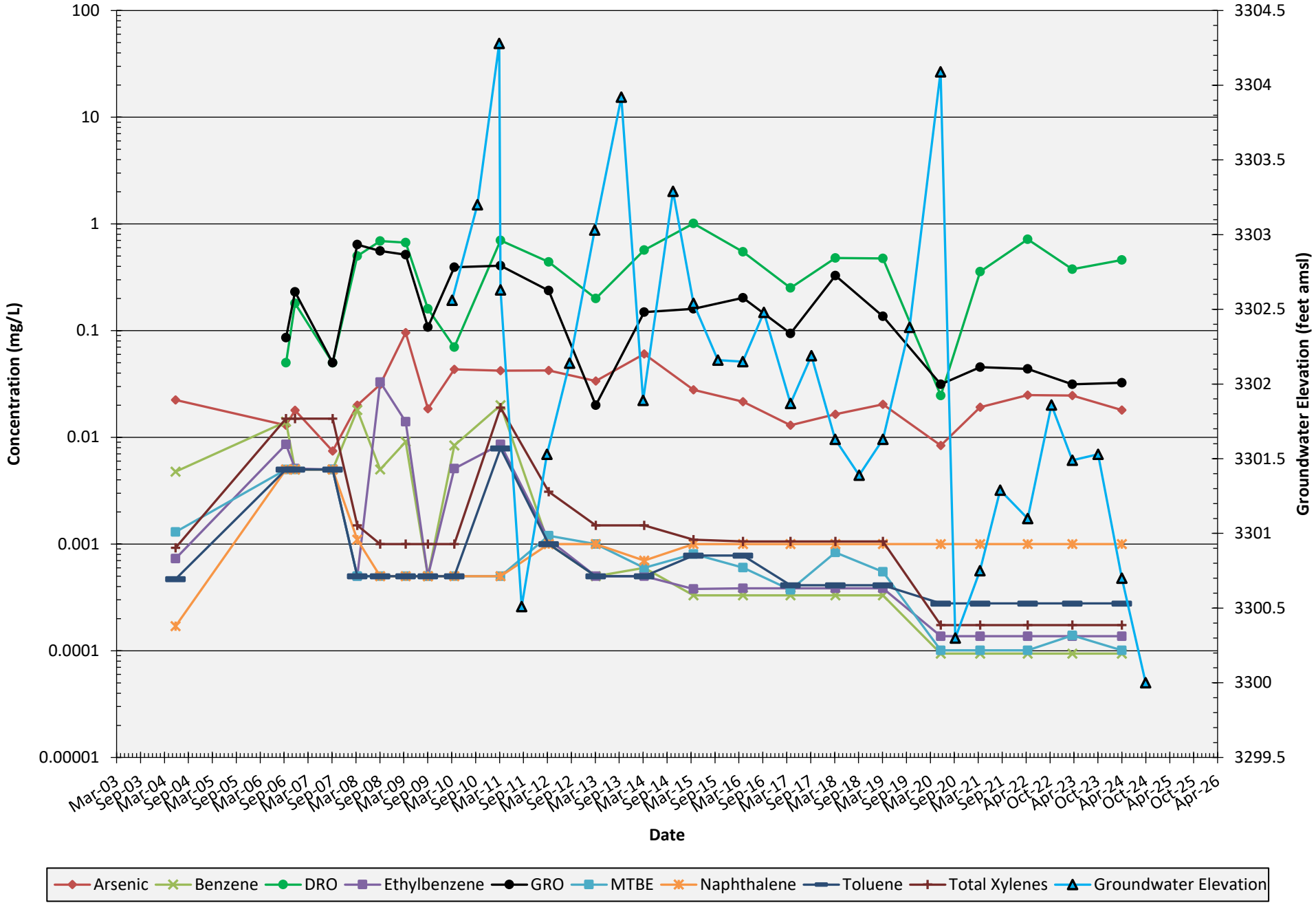
Evaporation Ponds



MW-15: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

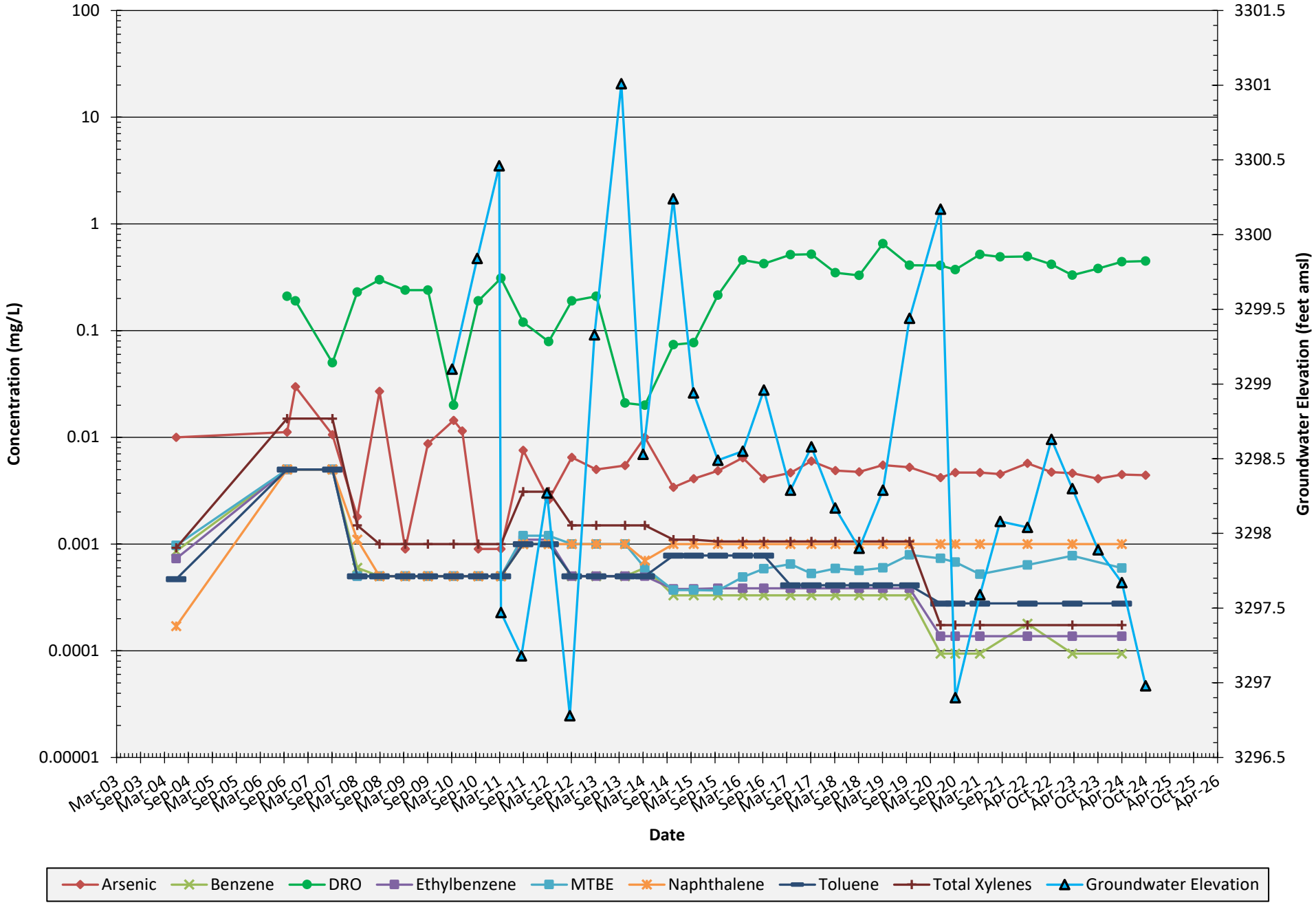
Evaporation Ponds



MW-18A: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

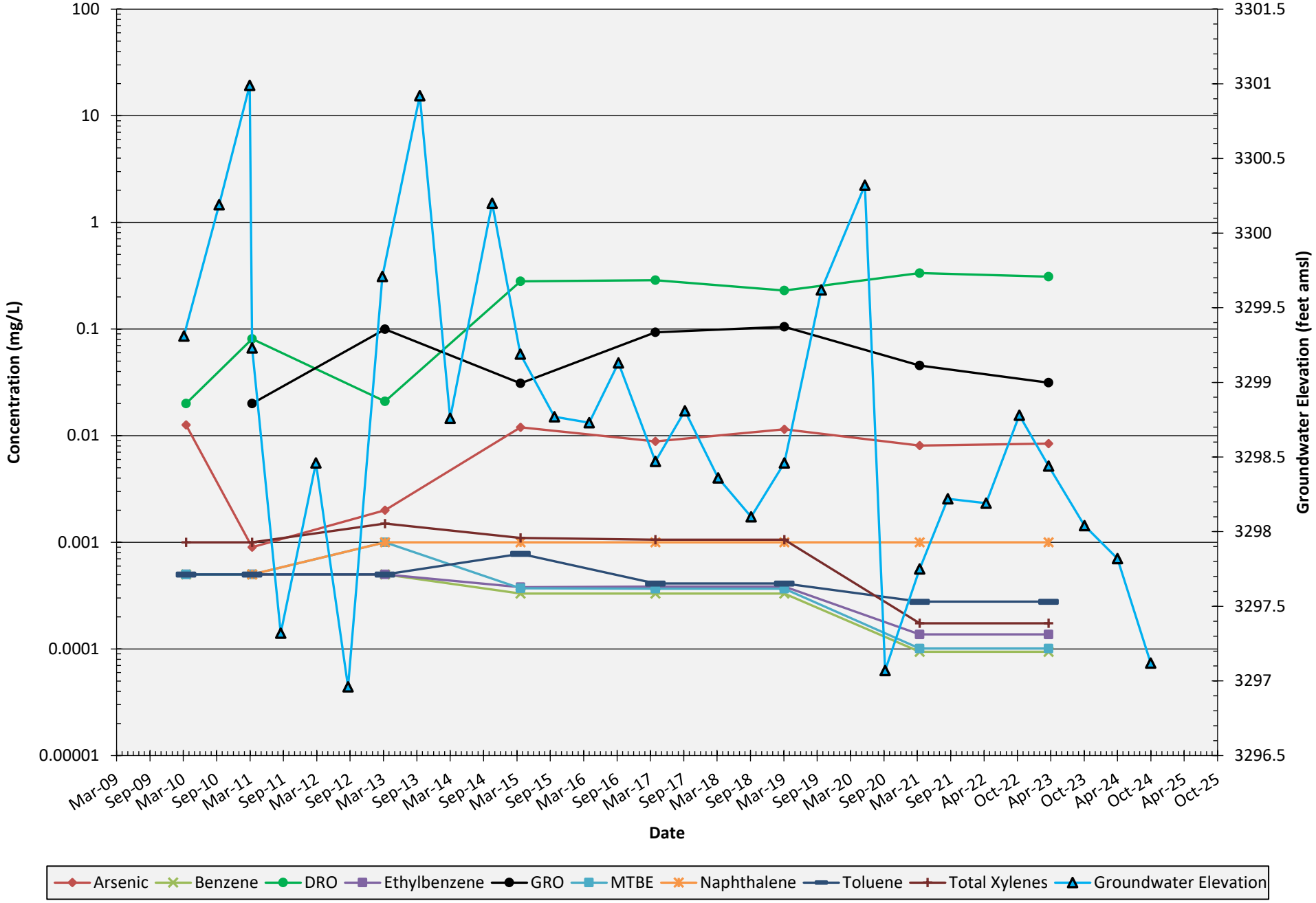
Evaporation Ponds



MW-18B: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

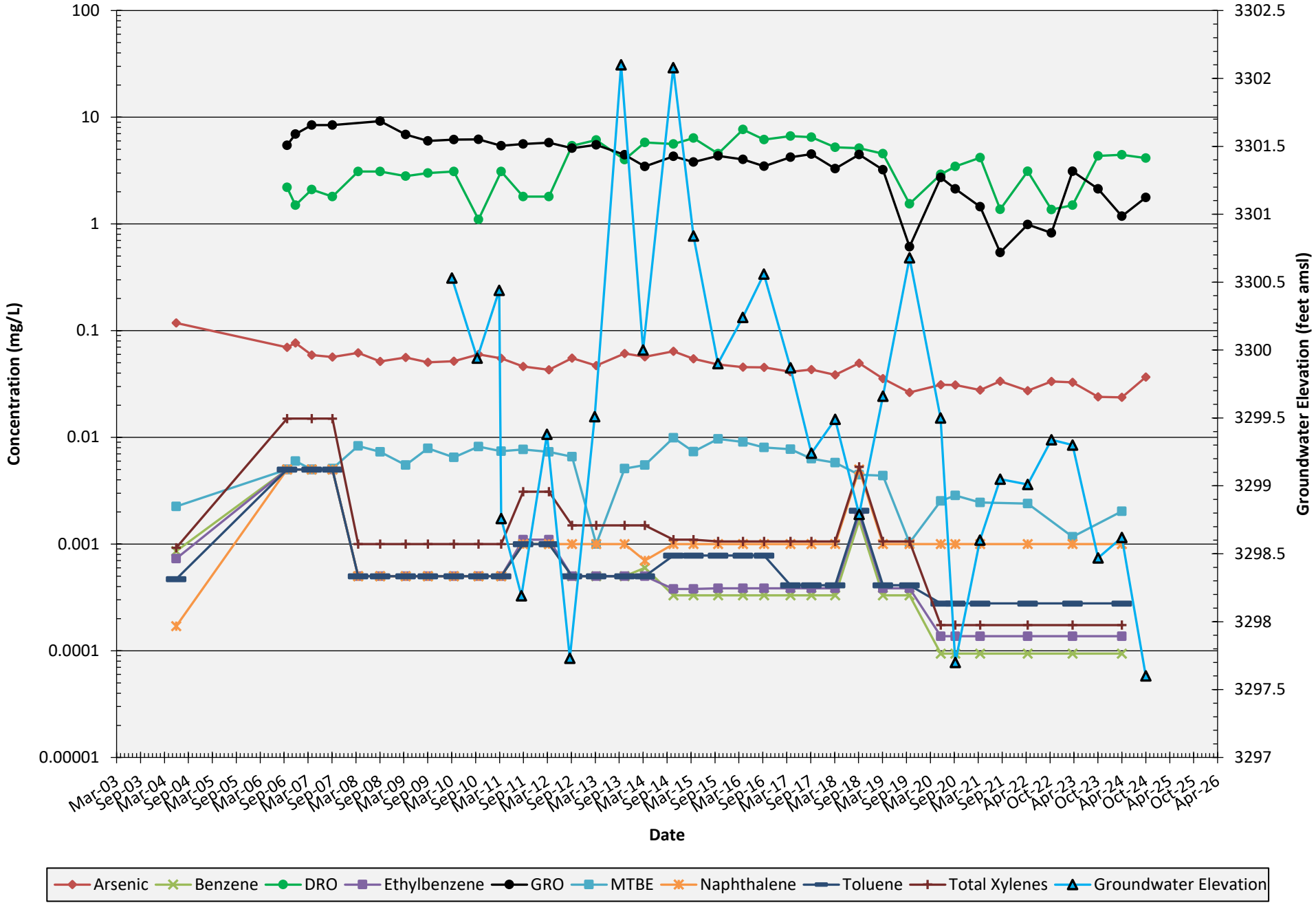
Evaporation Ponds



MW-22A: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

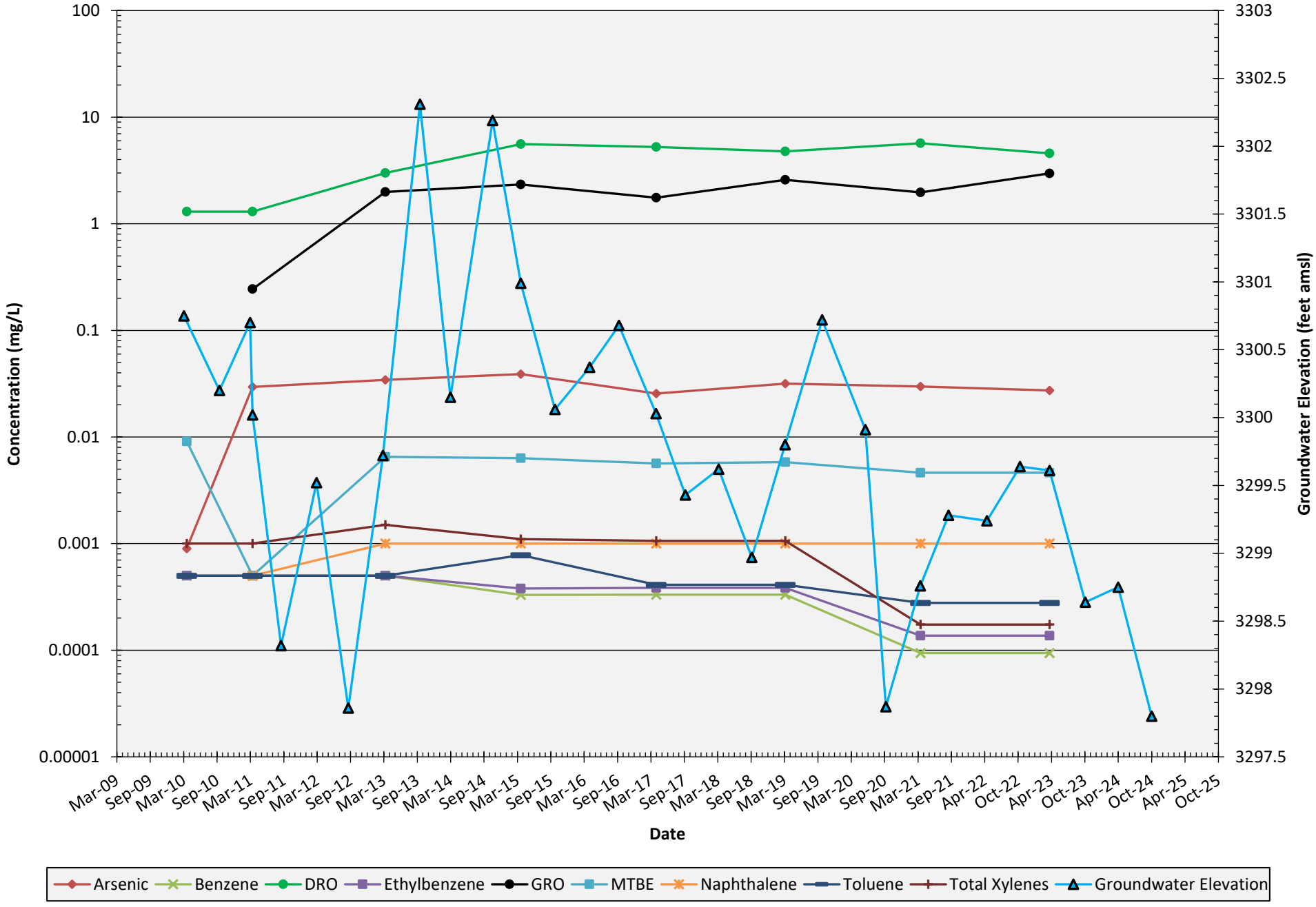
Evaporation Ponds



MW-22B: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

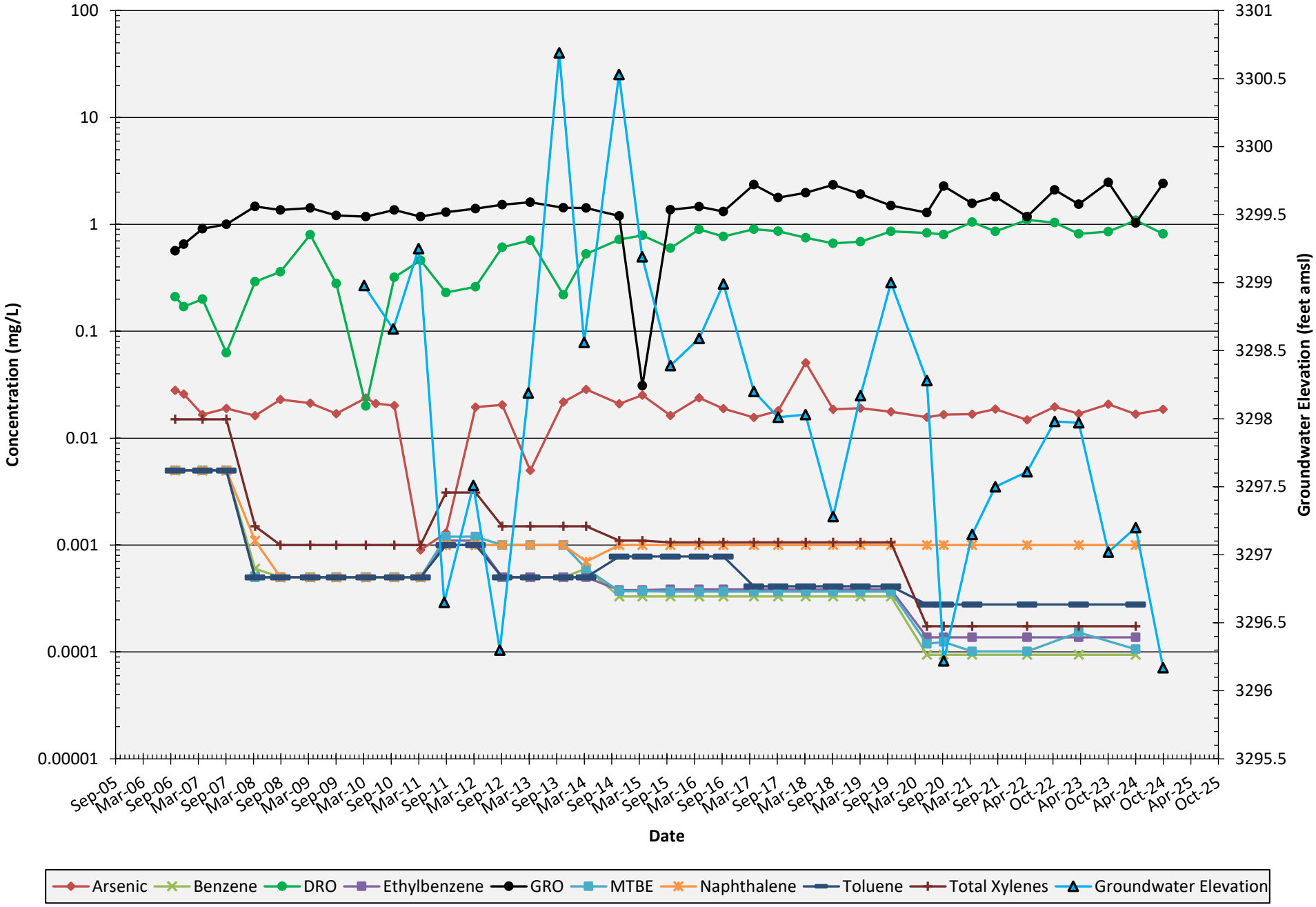
Evaporation Ponds



MW-70: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

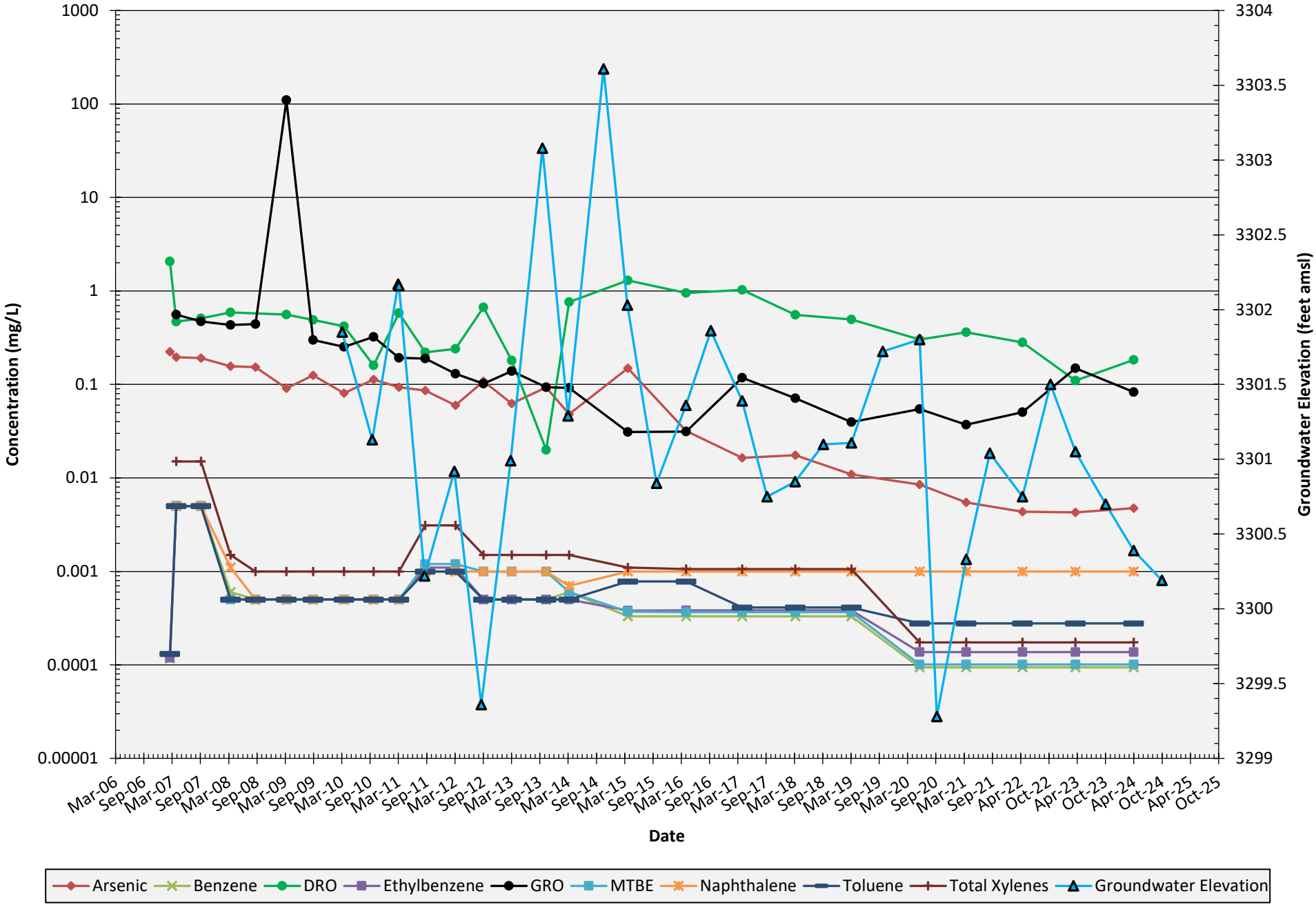
Evaporation Ponds



MW-72: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

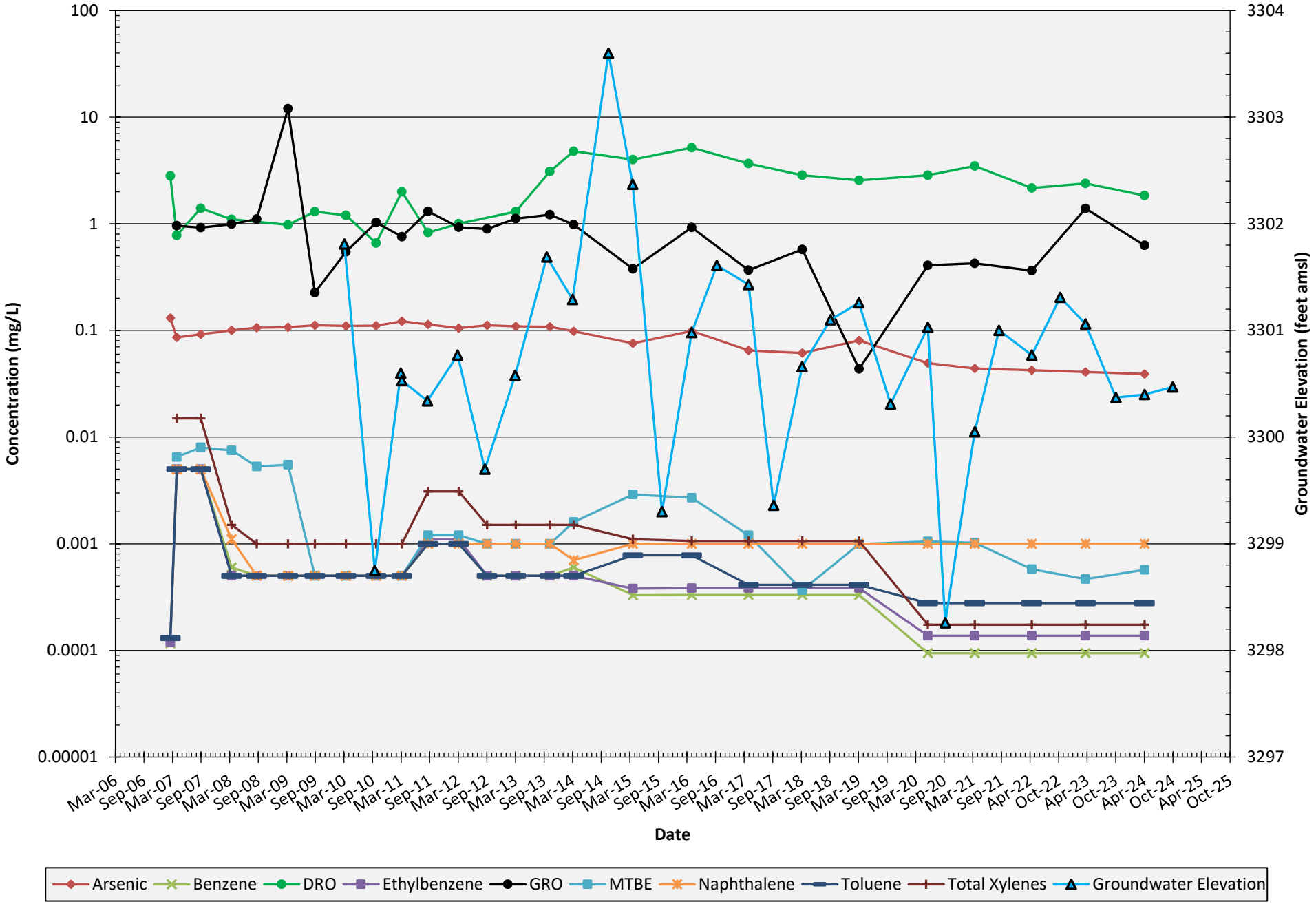
Evaporation Ponds



MW-73: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

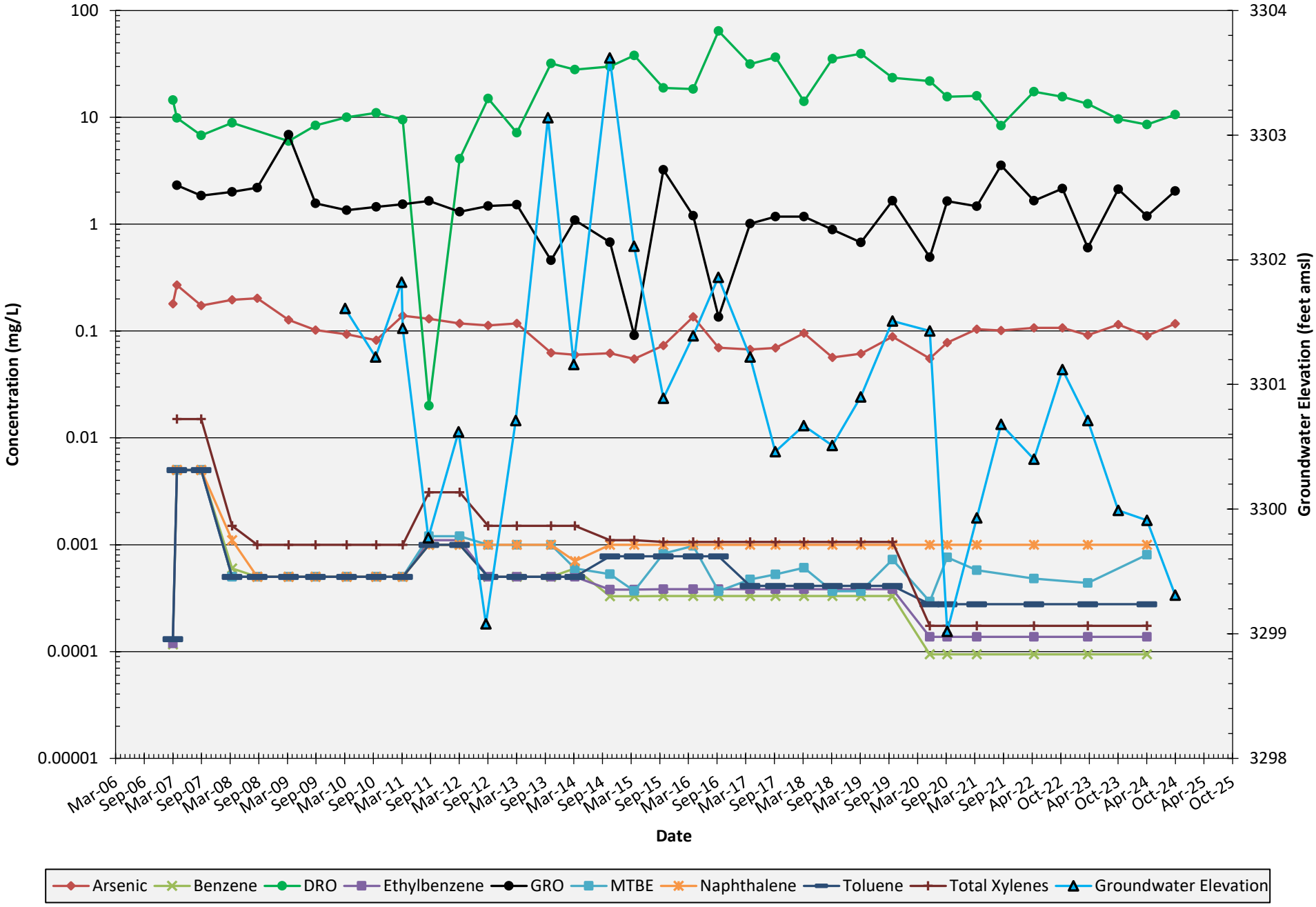
Evaporation Ponds



MW-74: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

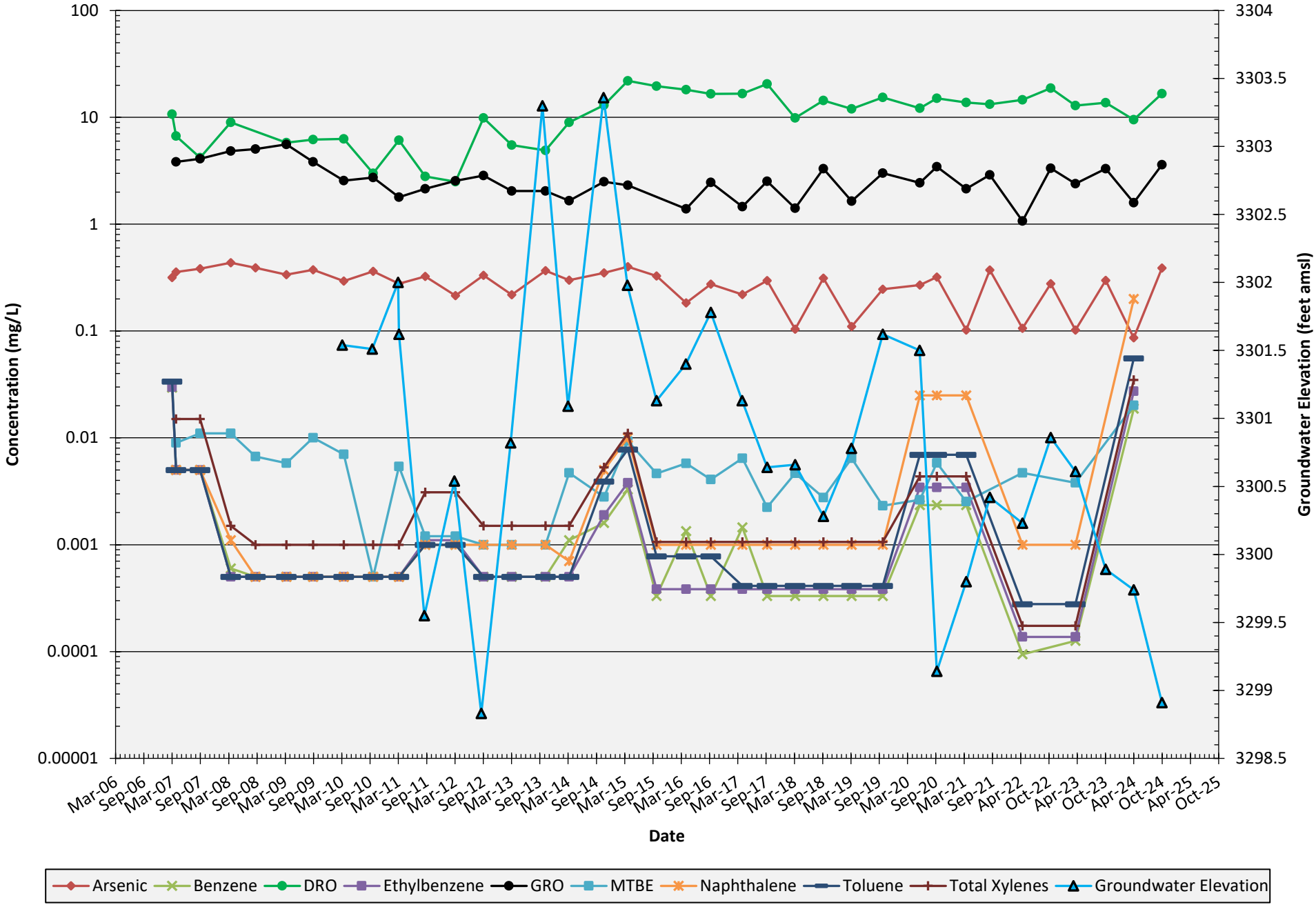
Evaporation Ponds



MW-75: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

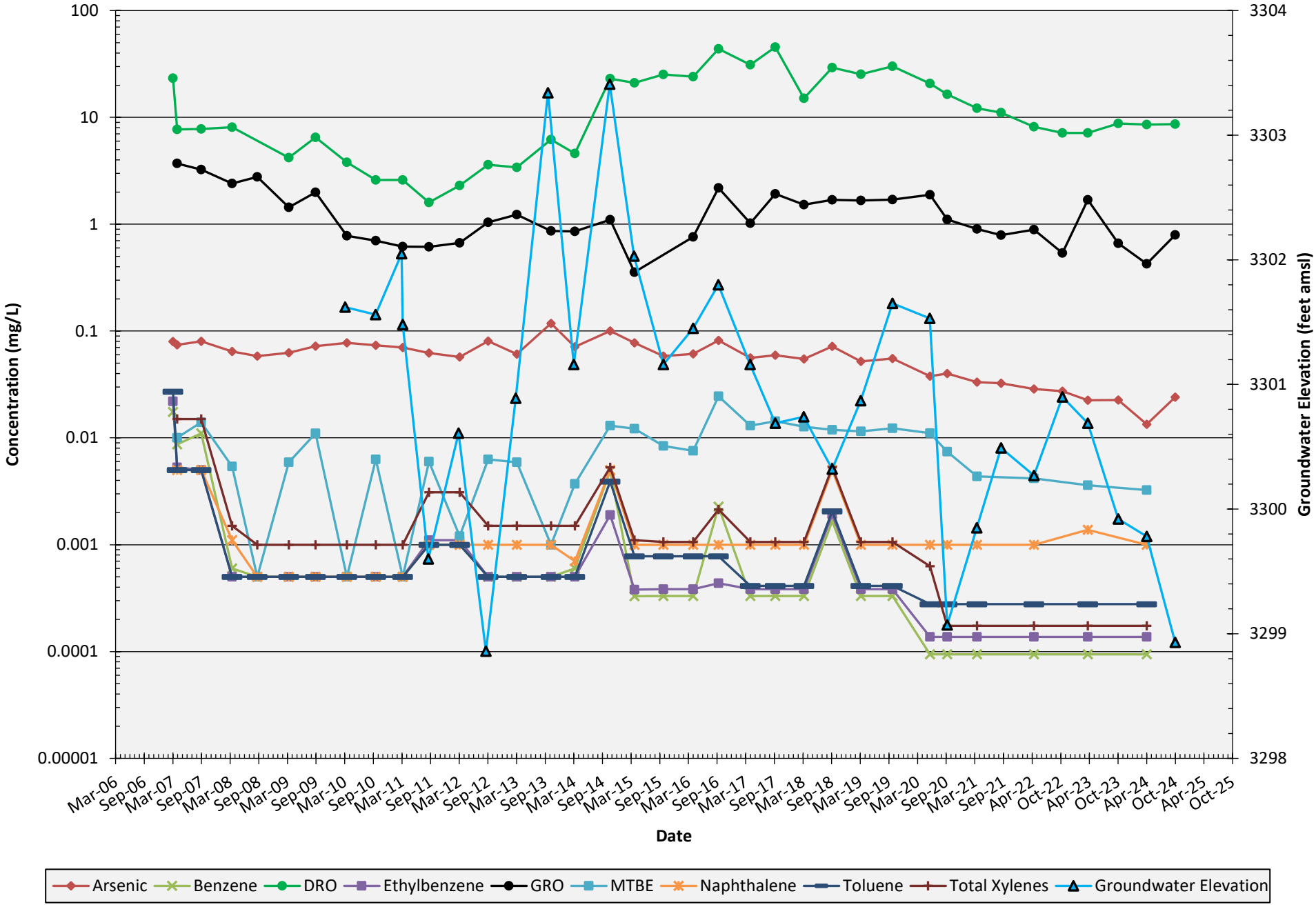
Evaporation Ponds



MW-76: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

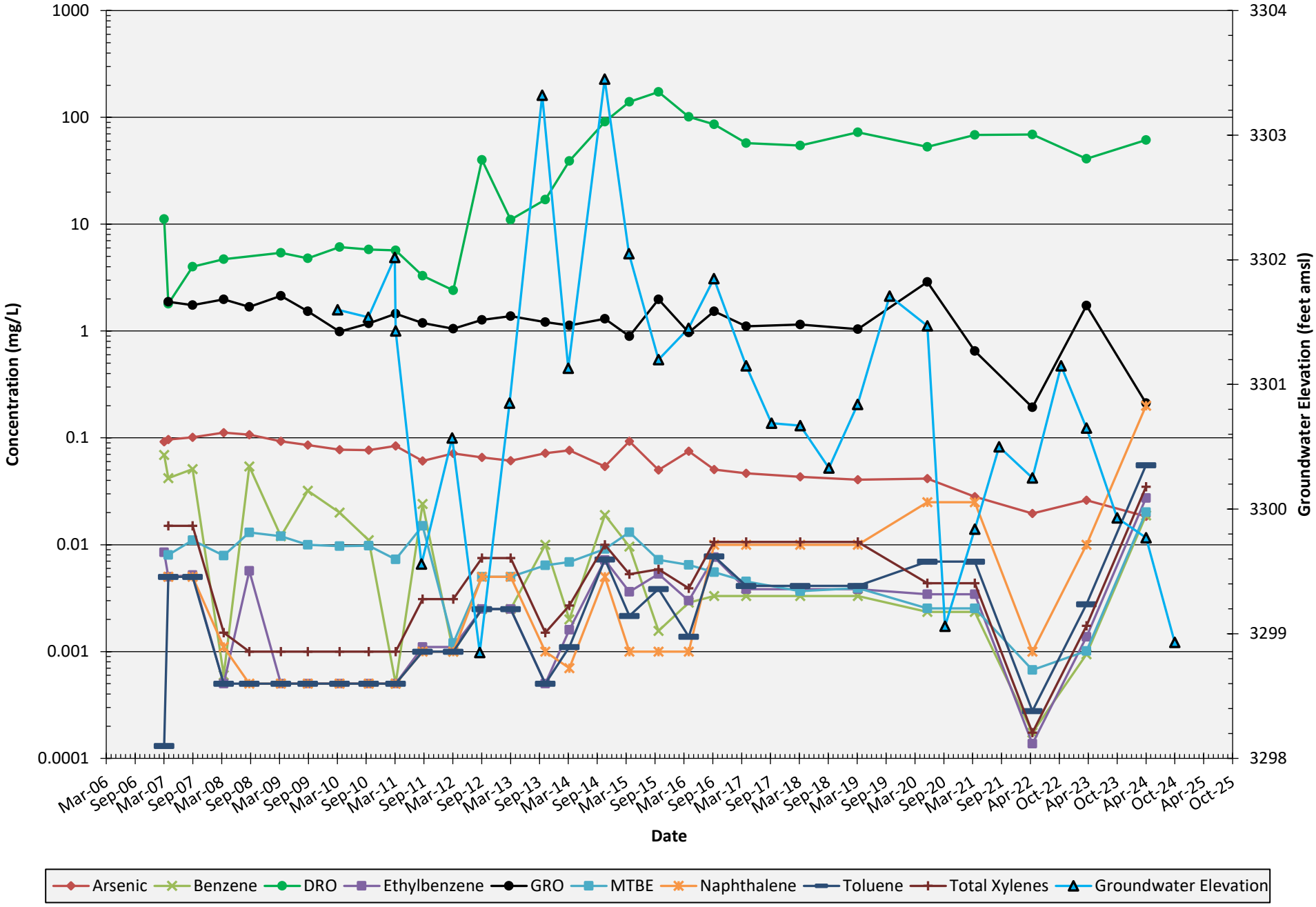
Evaporation Ponds



MW-77: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

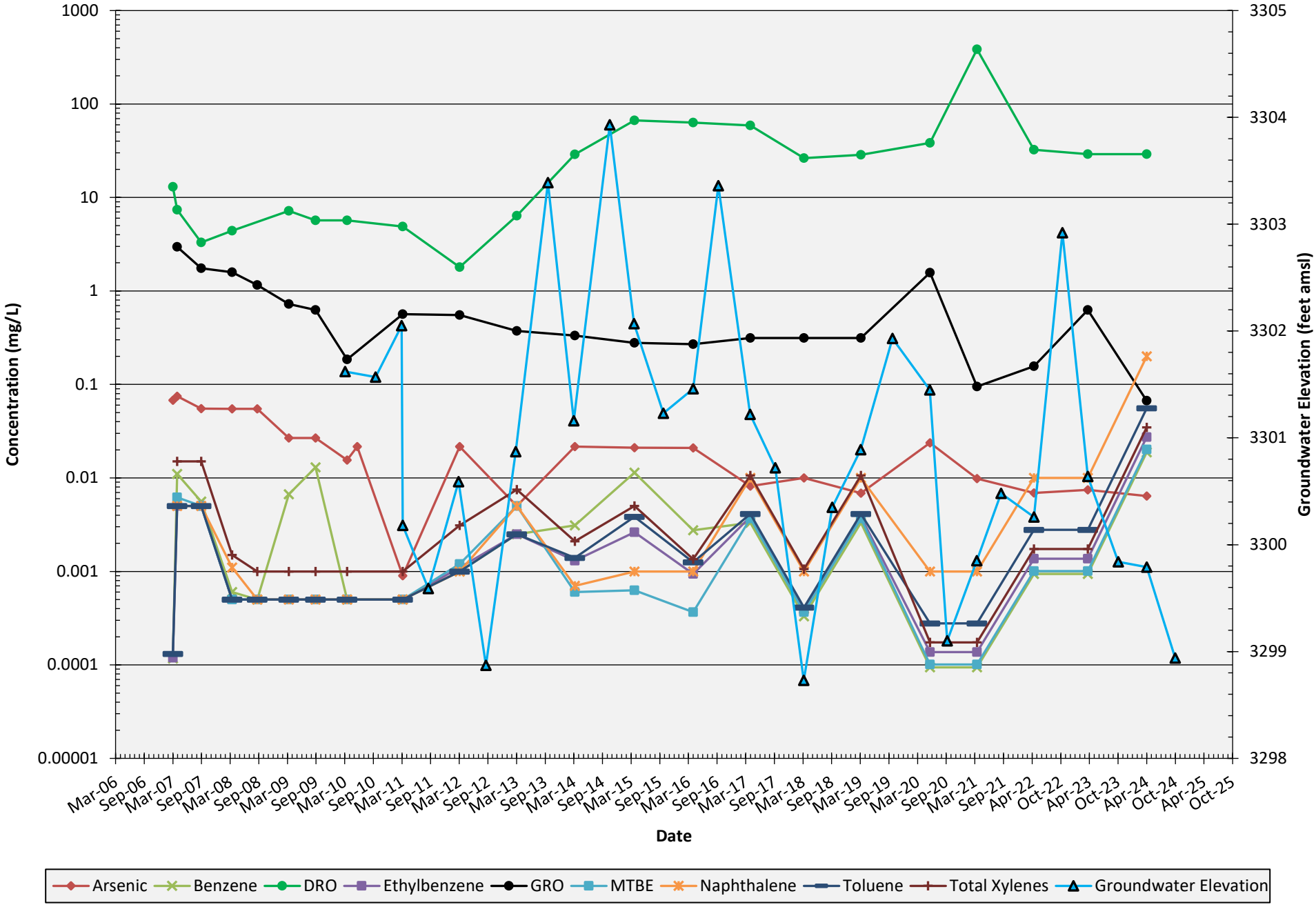
Evaporation Ponds



MW-78: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

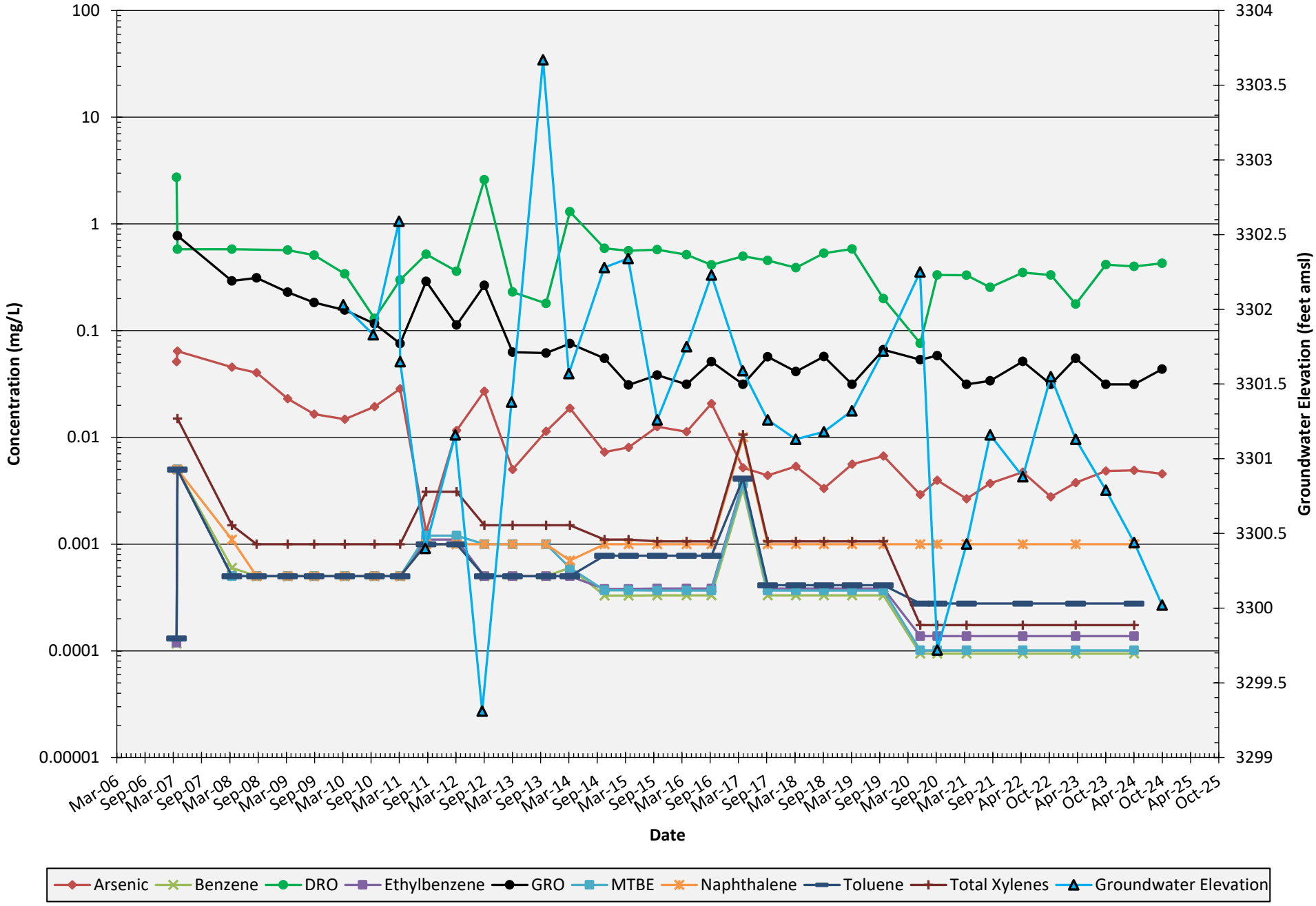
Evaporation Ponds



MW-79: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

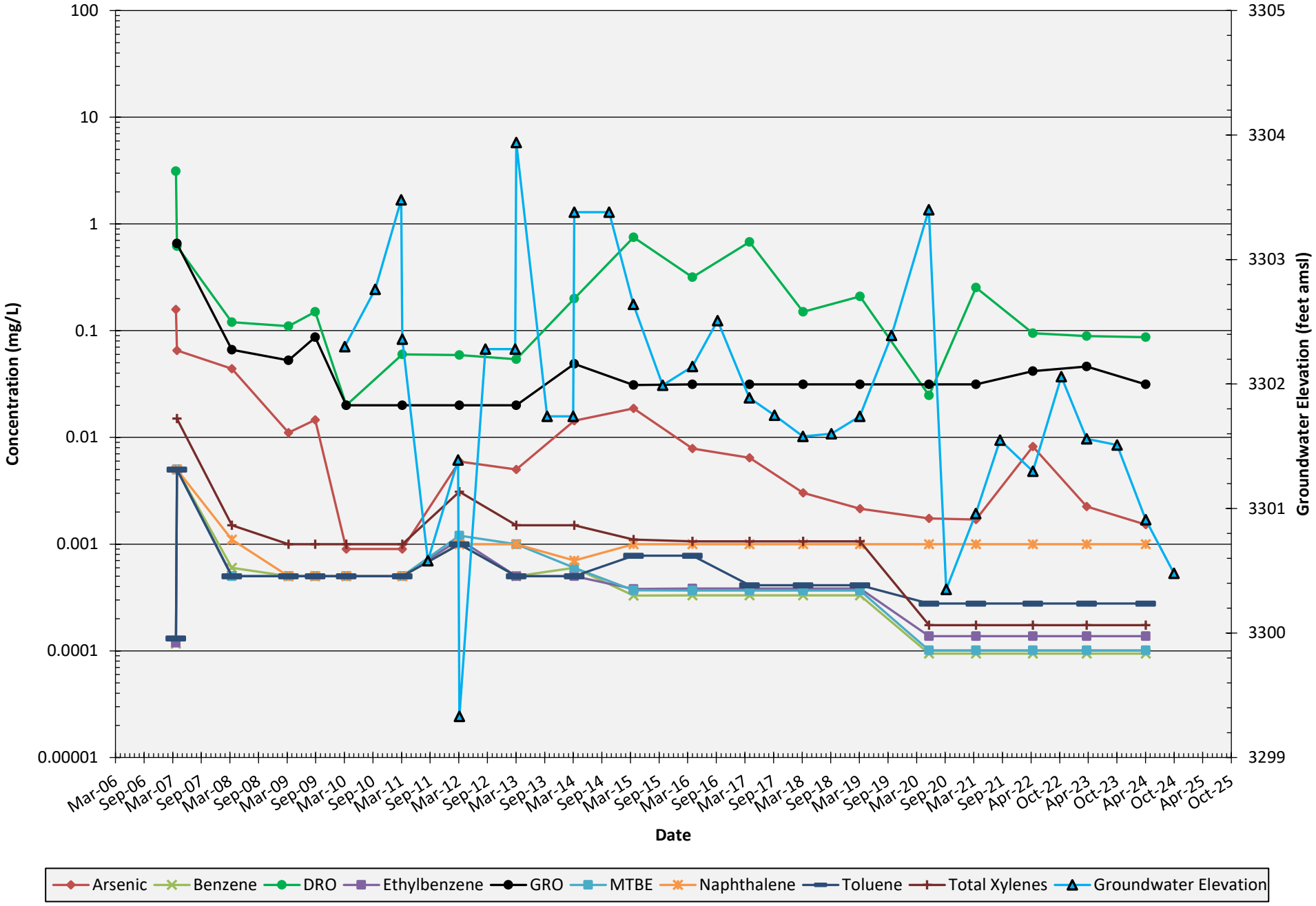
Evaporation Ponds



MW-80: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

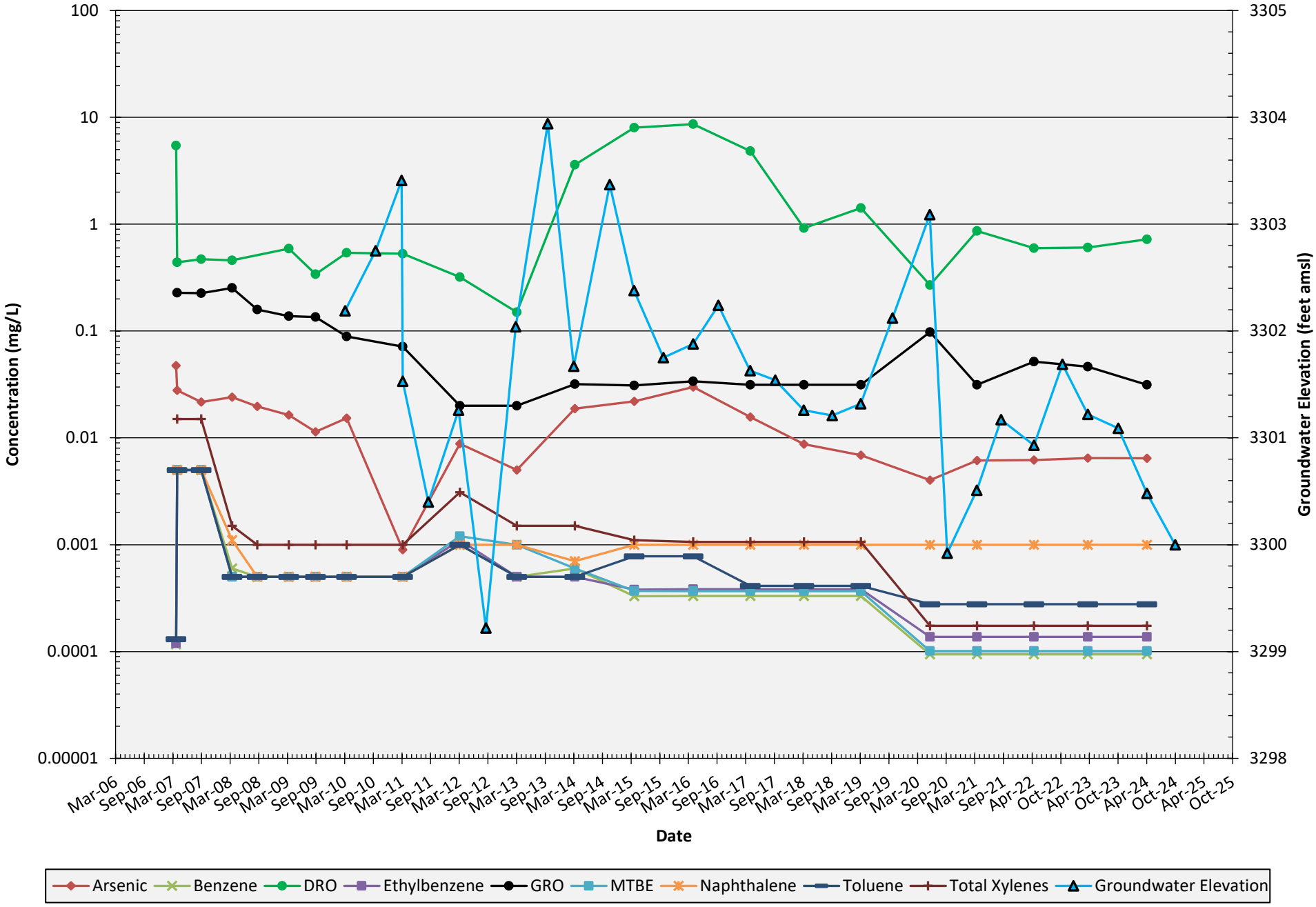
Evaporation Ponds



MW-81: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

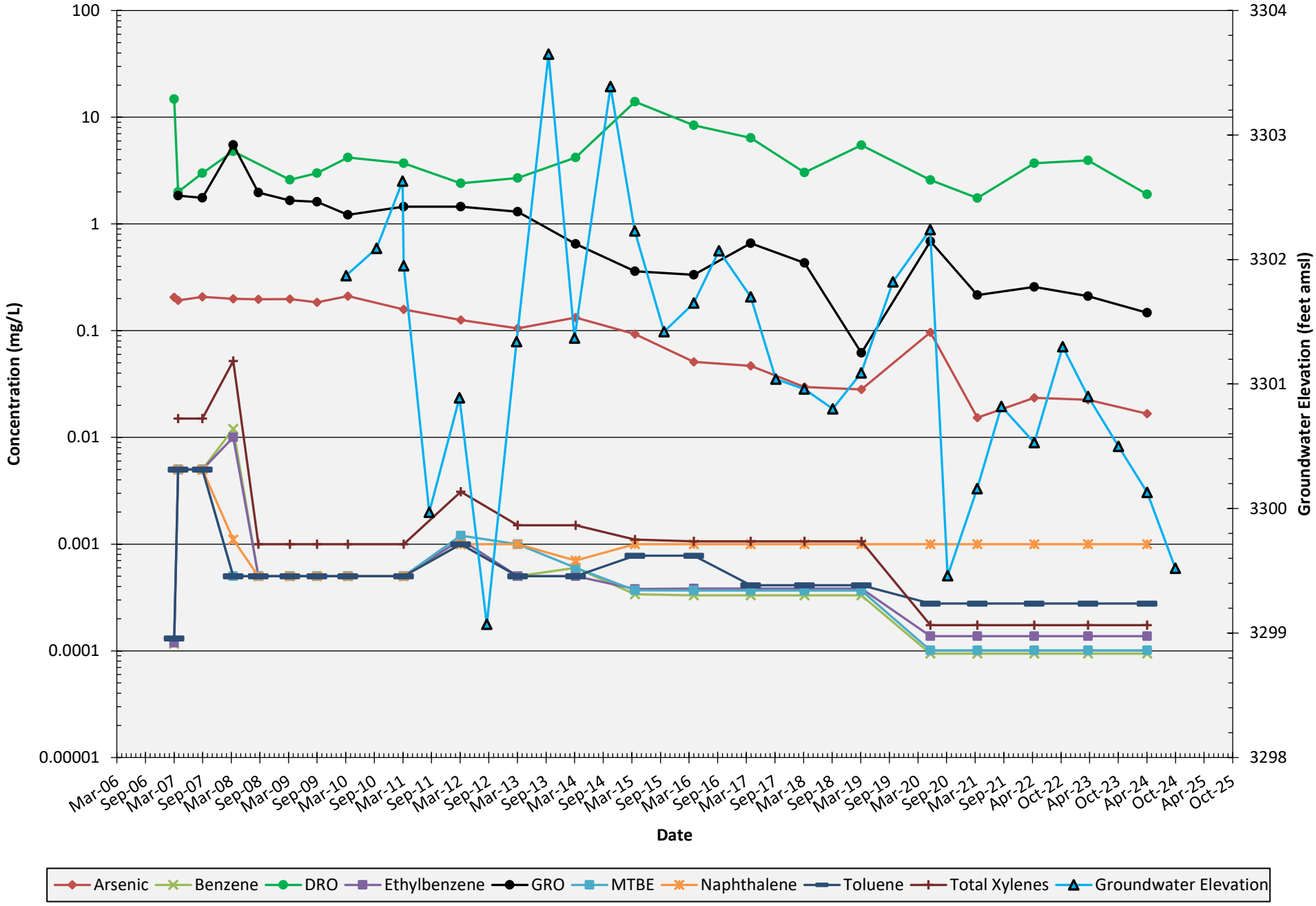
Evaporation Ponds



MW-82: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

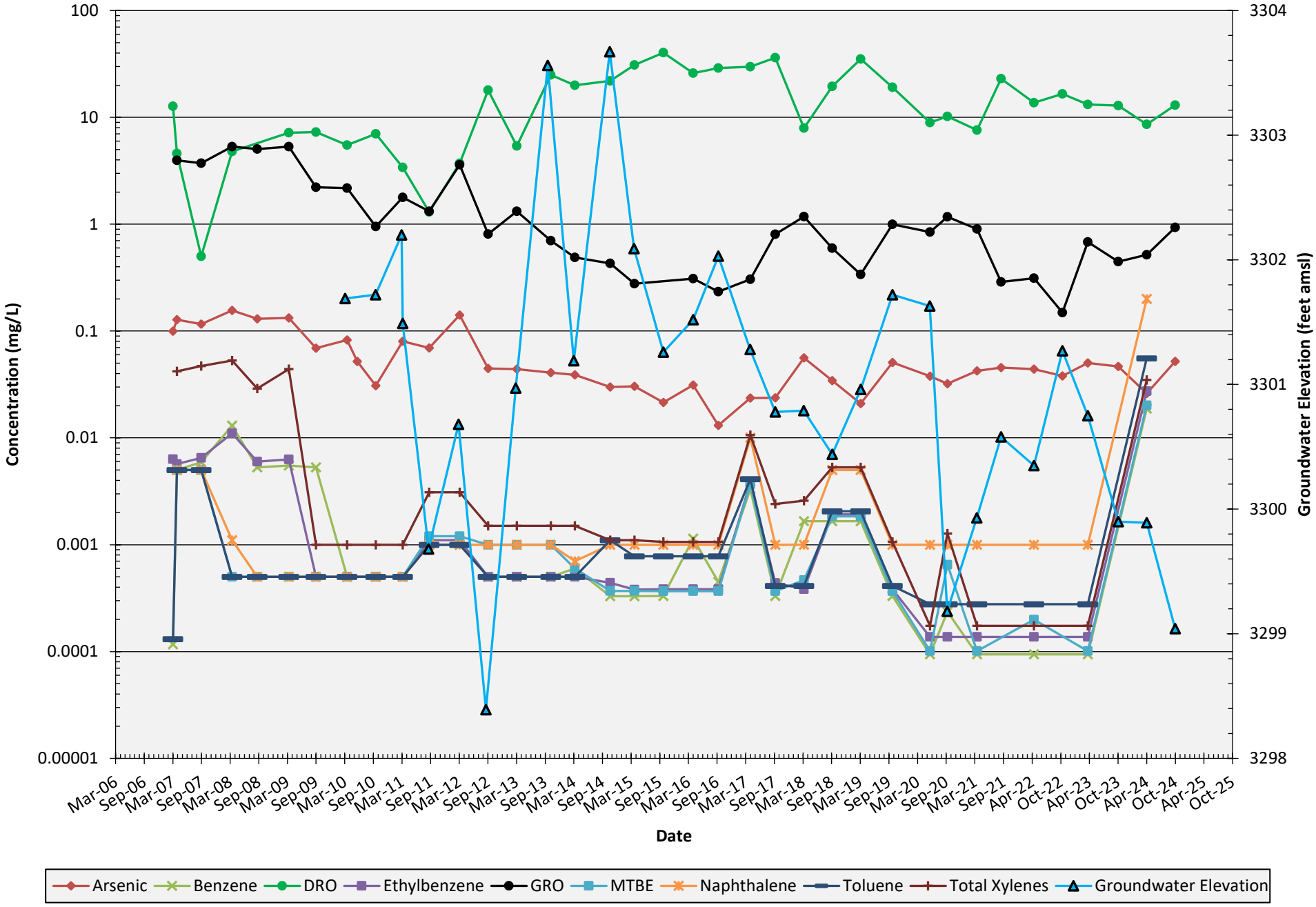
Evaporation Ponds



MW-83: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

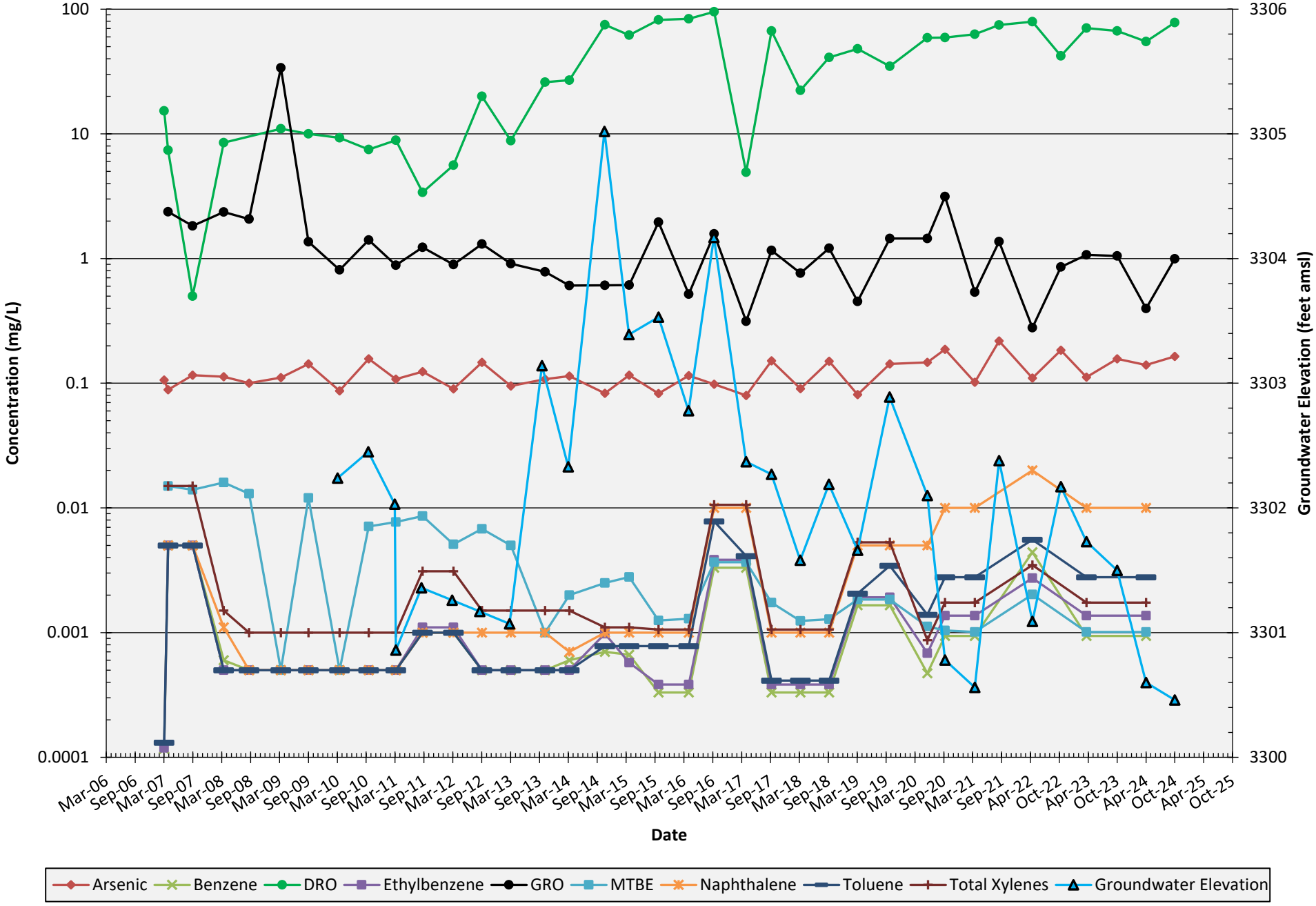
Evaporation Ponds



MW-84: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

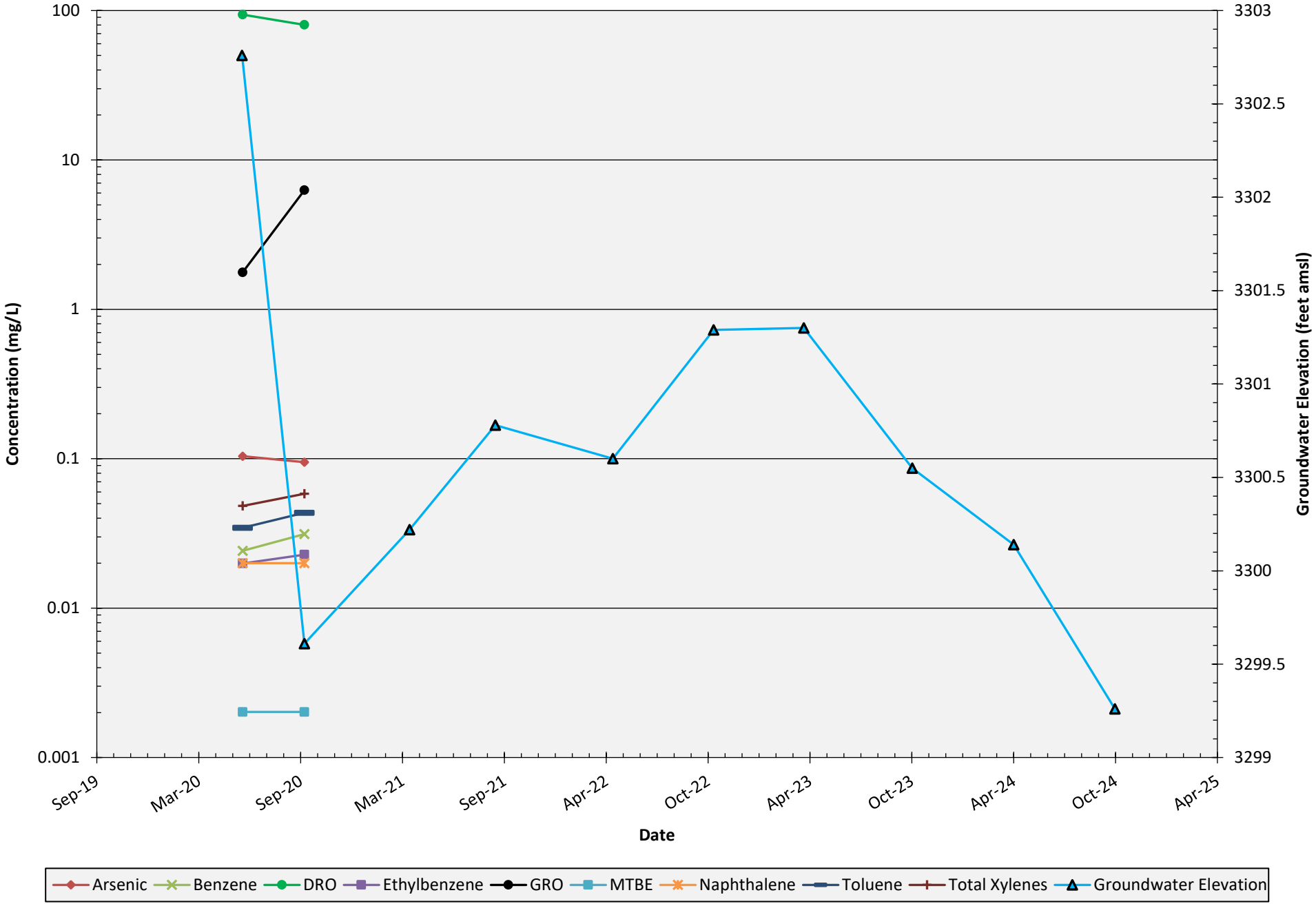
Evaporation Ponds



MW-86: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

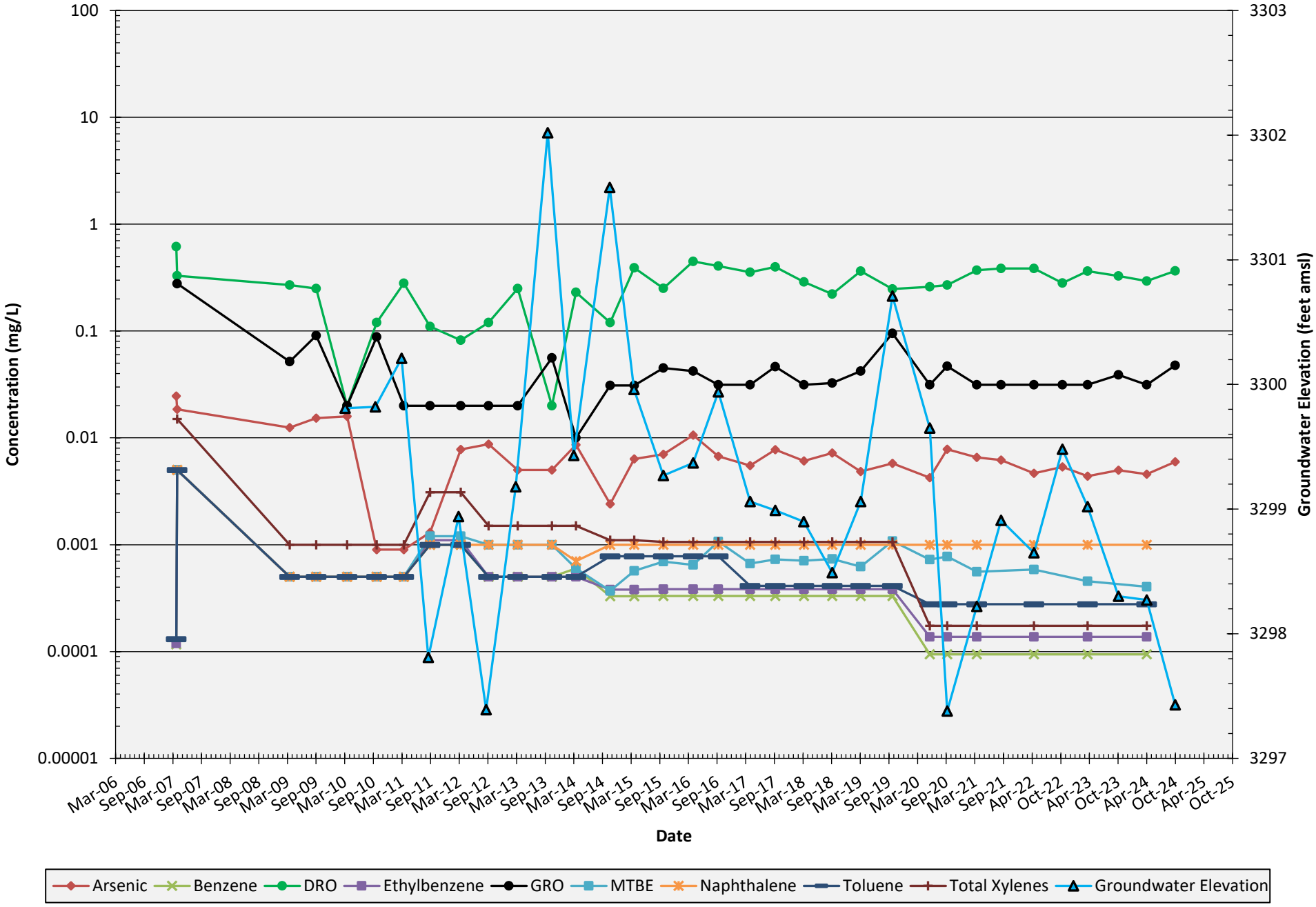
Evaporation Ponds



MW-87: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

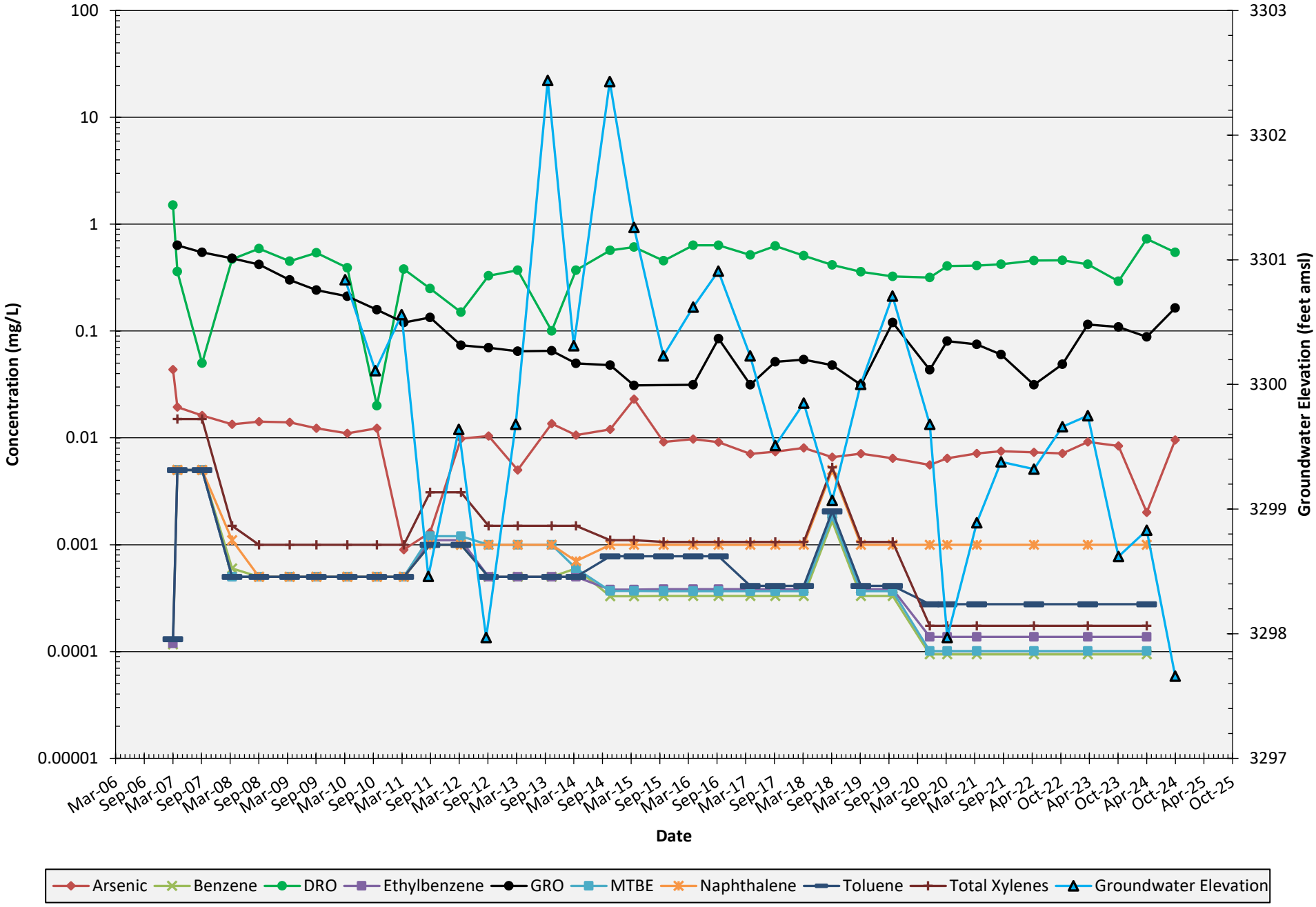
Evaporation Ponds



MW-88: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

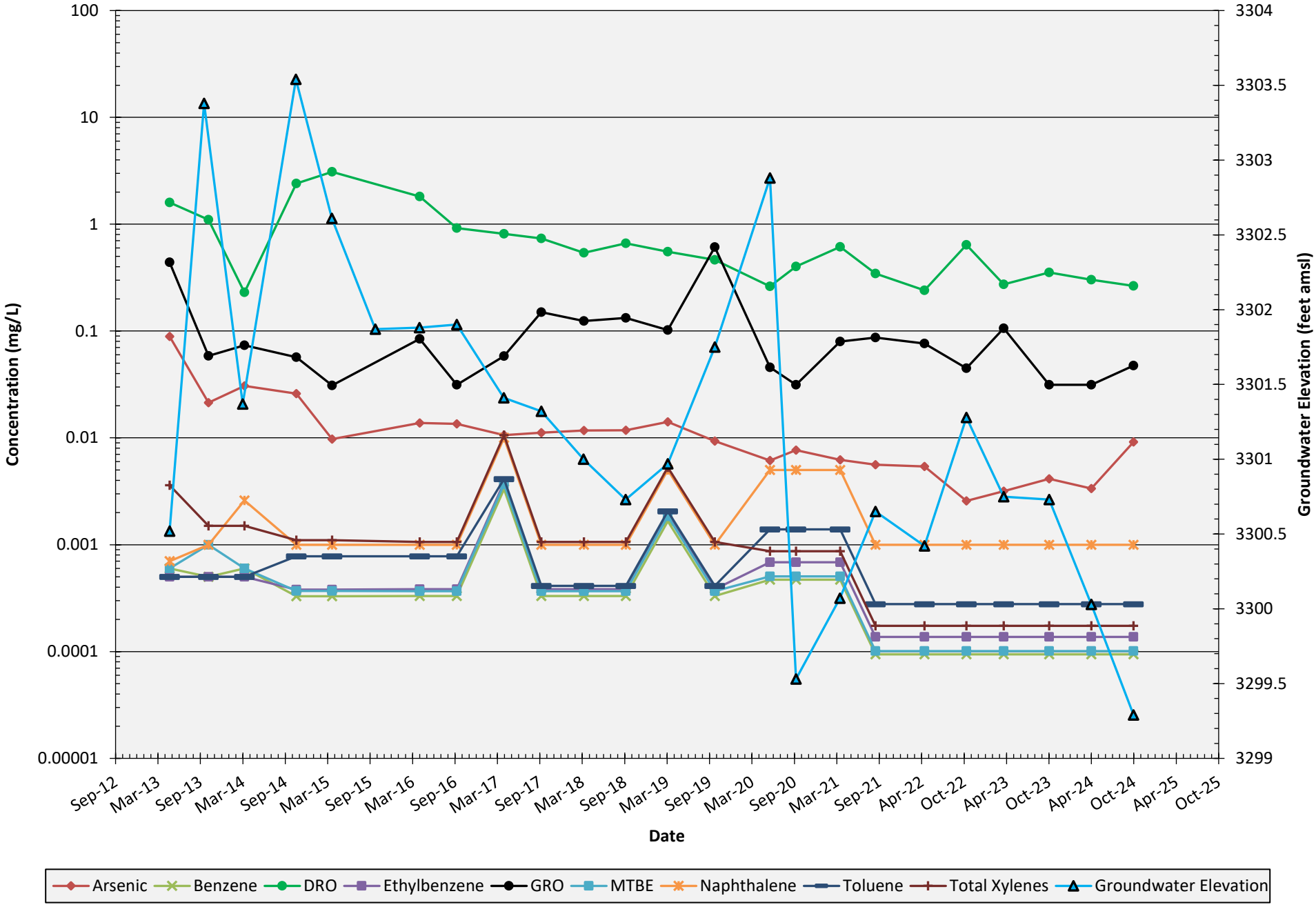
Evaporation Ponds



MW-120: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

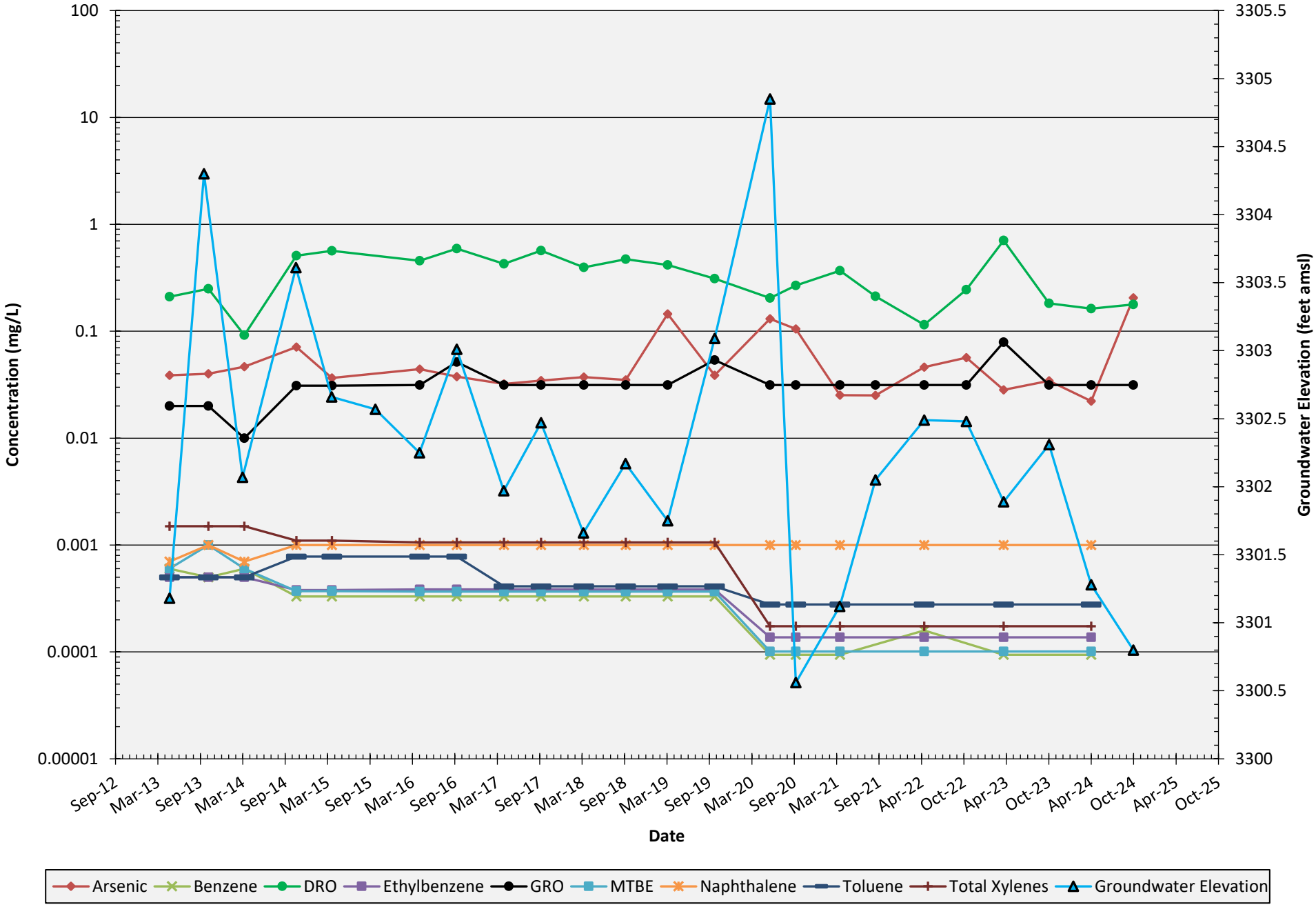
Evaporation Ponds



MW-121: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

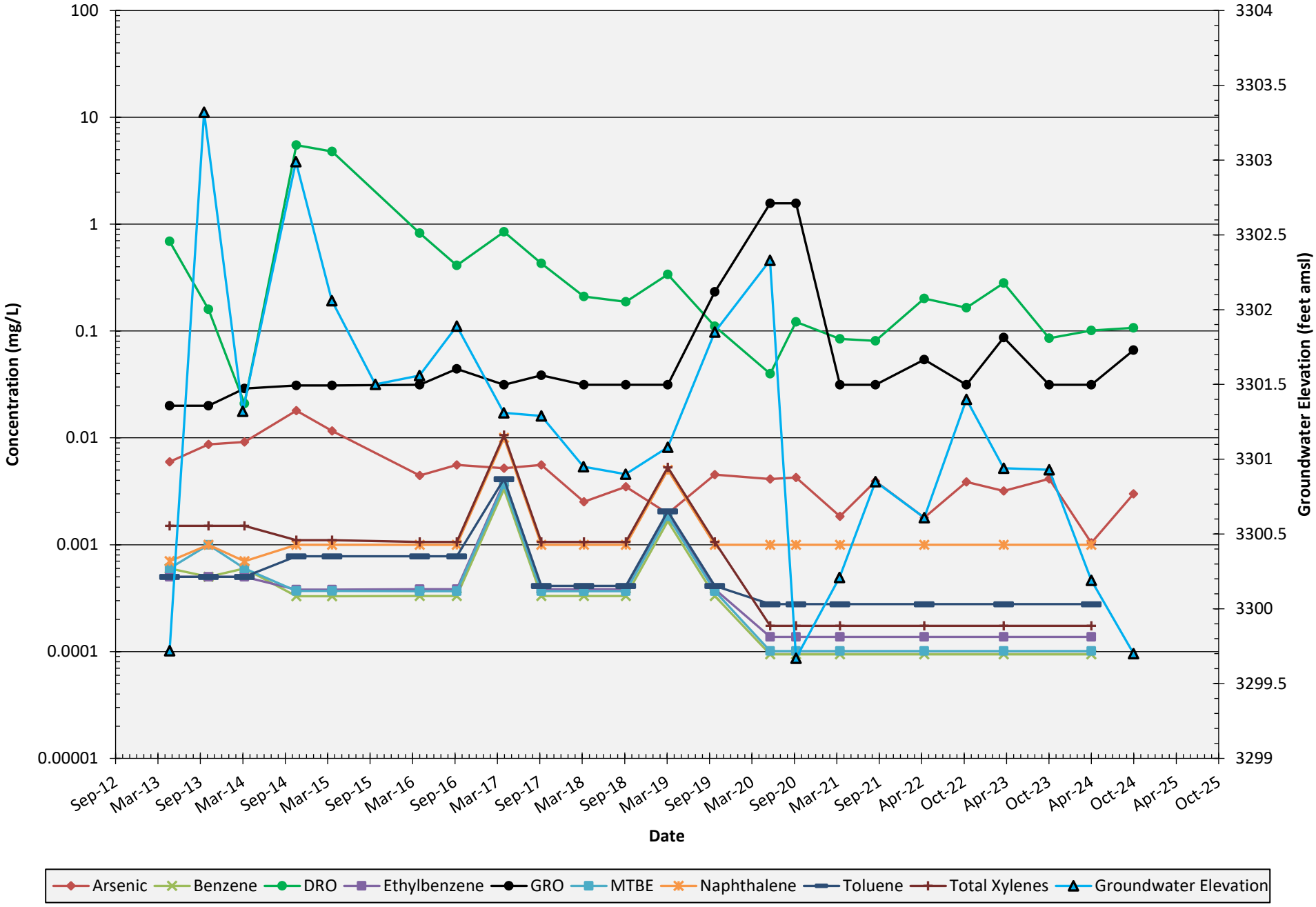
Evaporation Ponds



MW-122: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

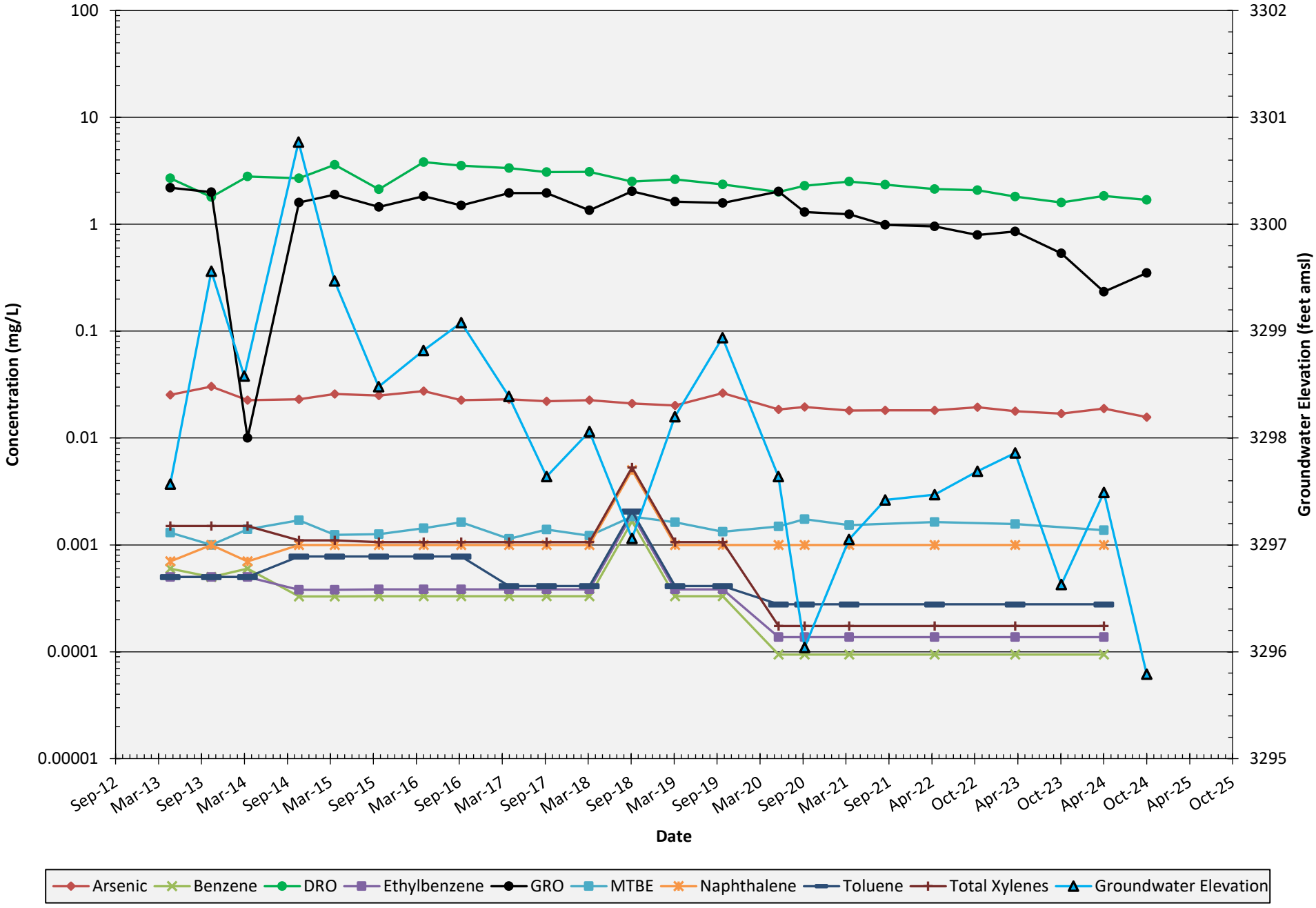
Evaporation Ponds



MW-123: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

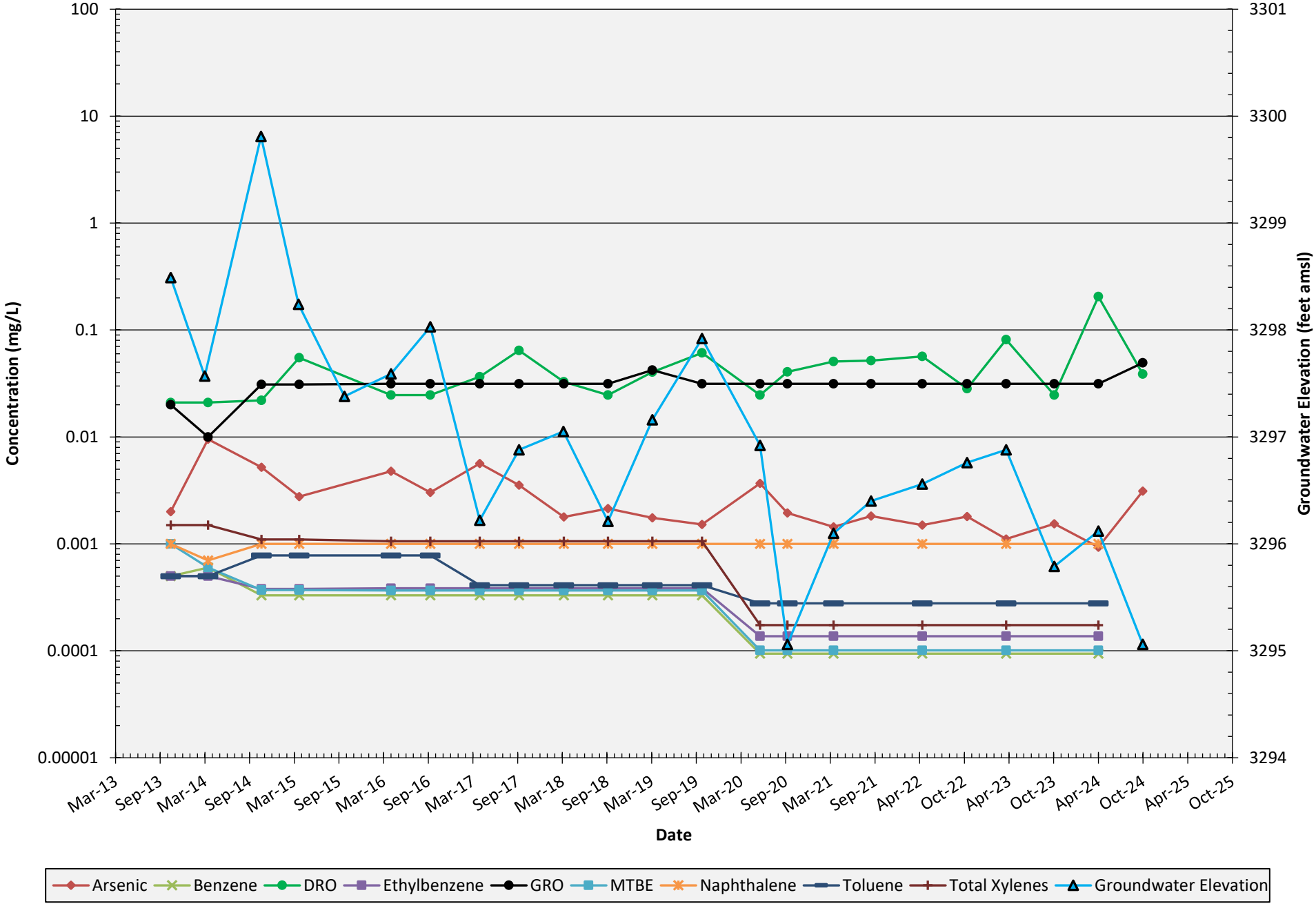
Evaporation Ponds



MW-124: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

Evaporation Ponds



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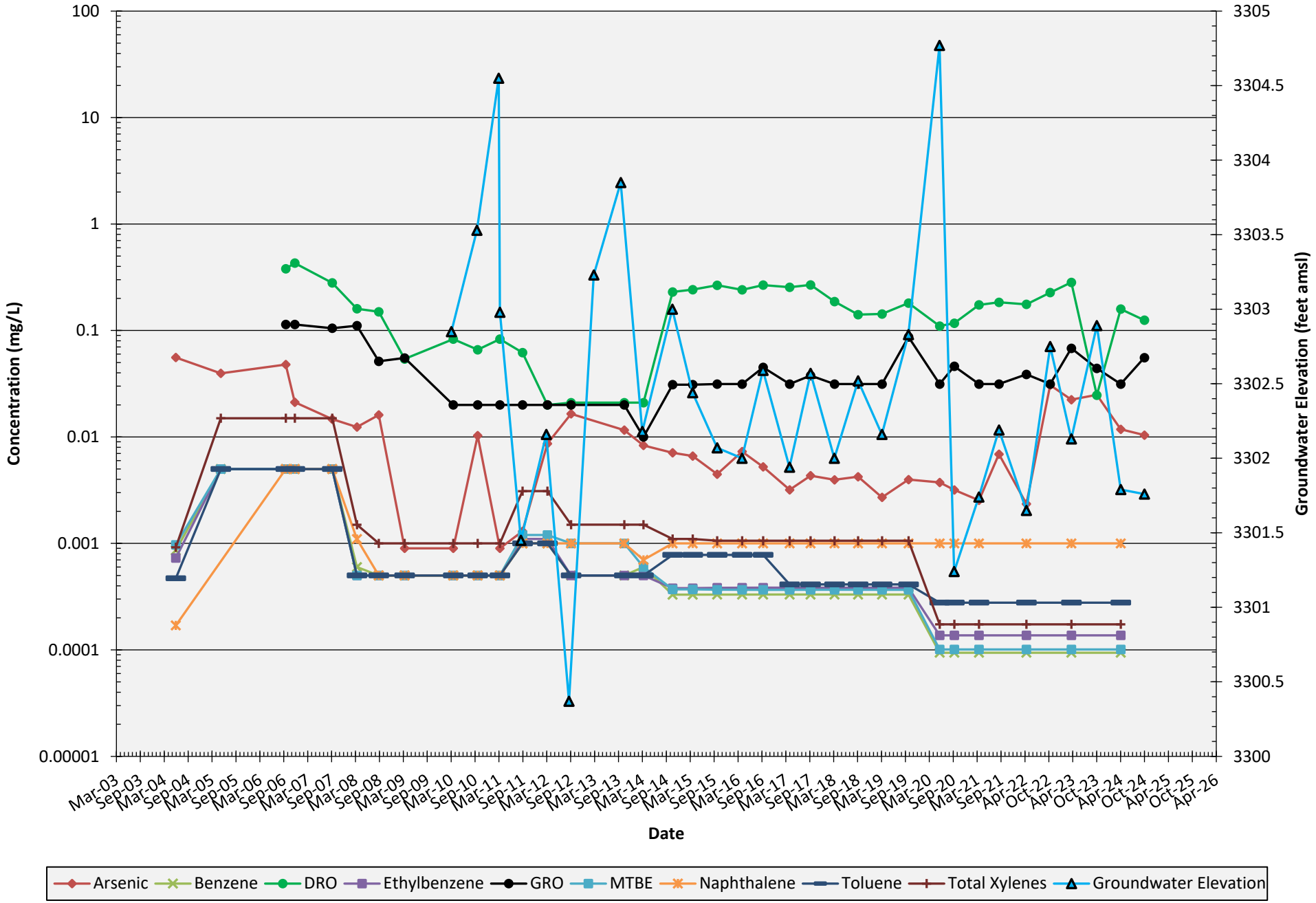
Received by OCD: 6/12/2025 1:19:15 PM

OCD-1 & OCD-1R: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

Evaporation Ponds



Released to Imaging: 6/17/2025 4:41:11 PM
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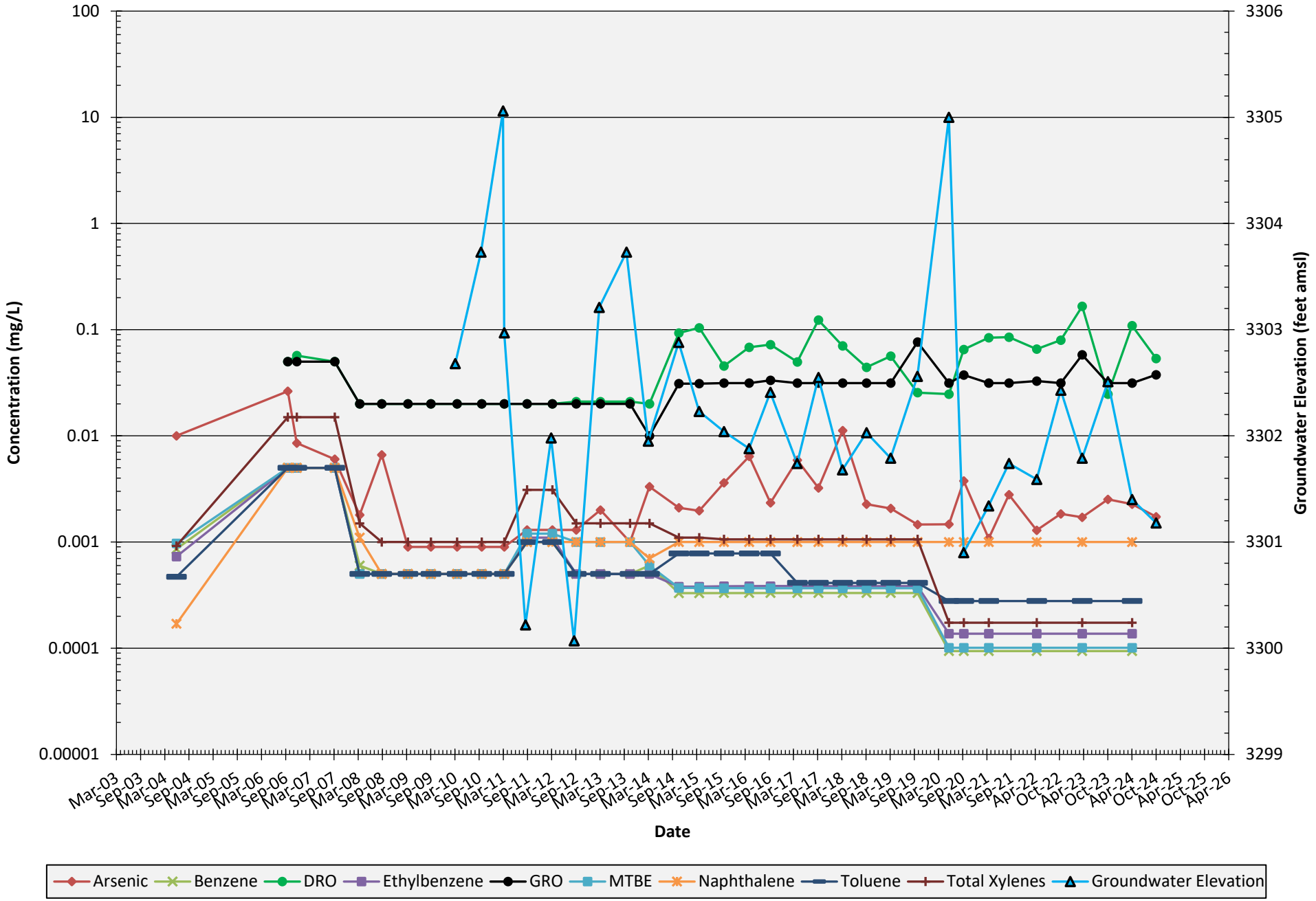
OCD-2A: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

Evaporation Ponds



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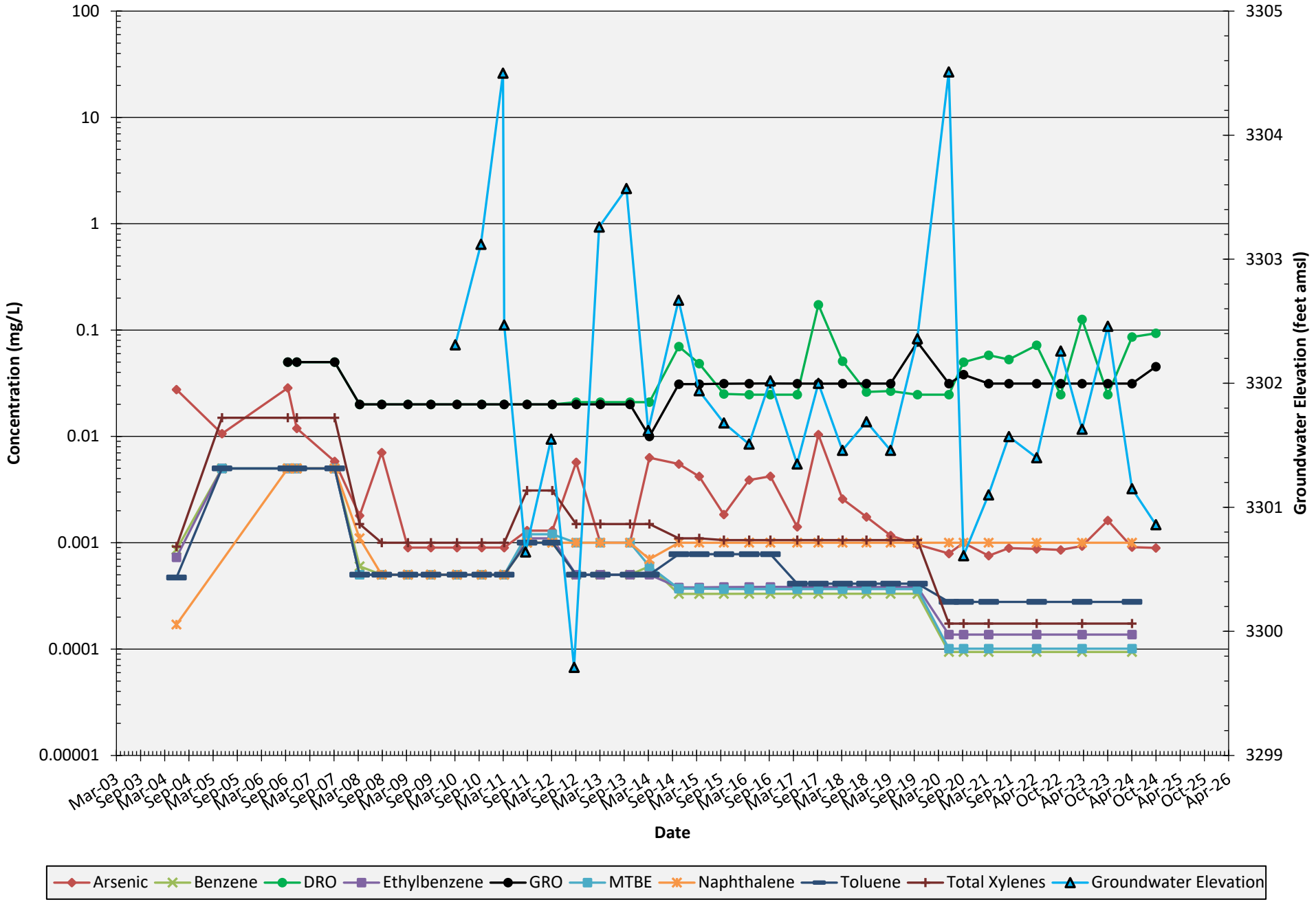
OCD-3: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

Evaporation Ponds



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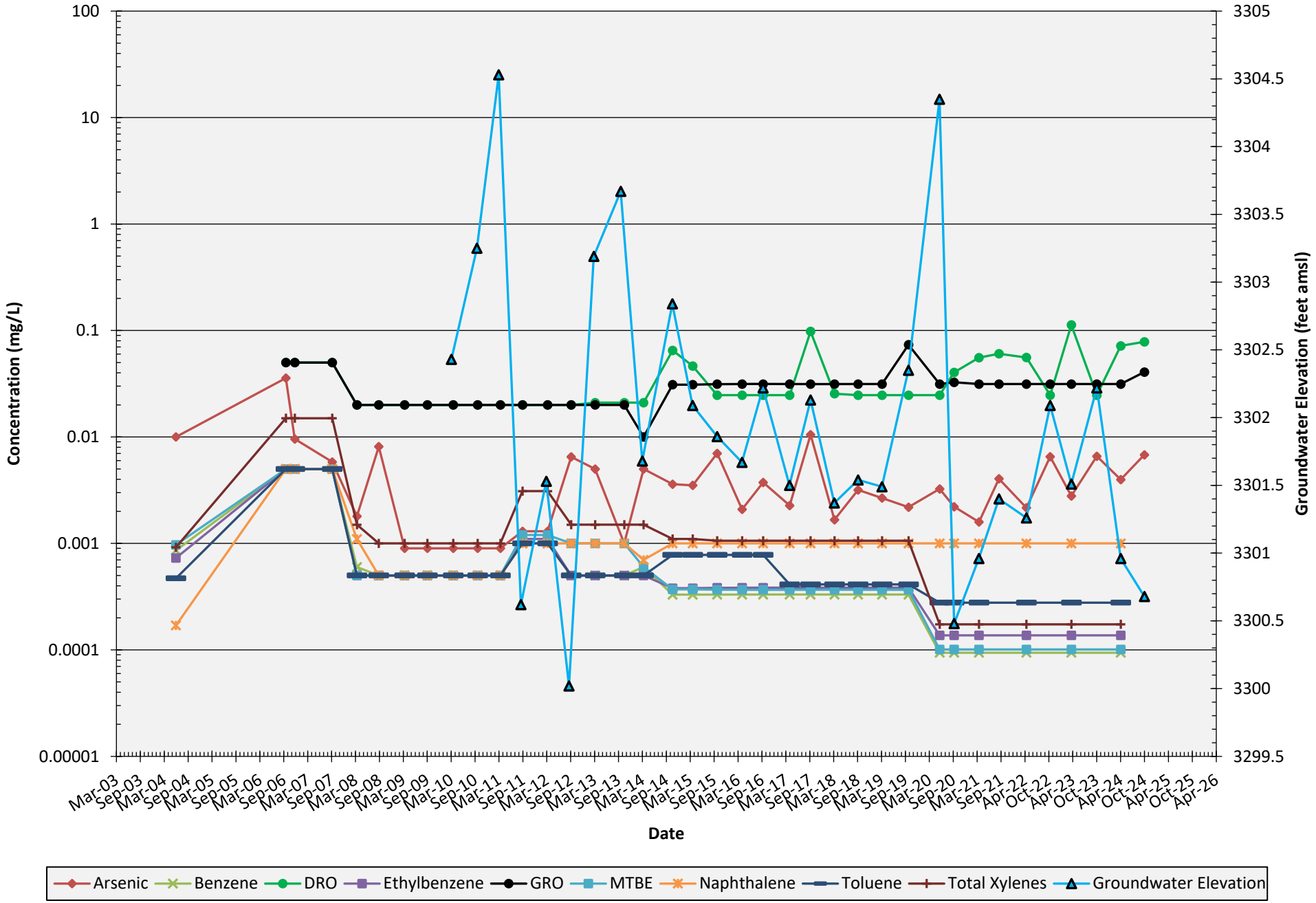
Received by OCD: 6/12/2025 1:19:15 PM

OCD-4: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

Evaporation Ponds



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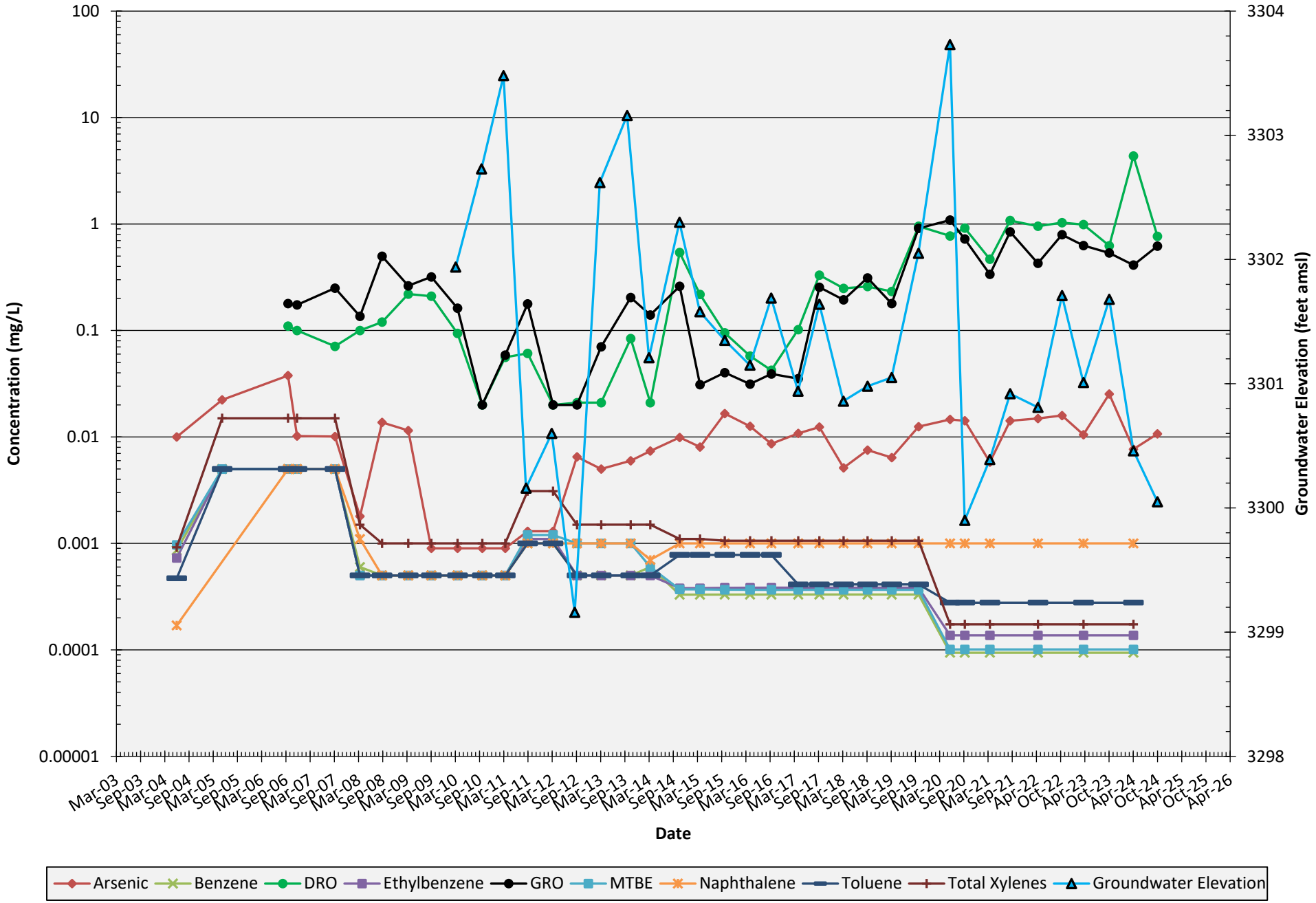
Received by OCD: 6/12/2025 1:19:15 PM

OCD-5: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

Evaporation Ponds

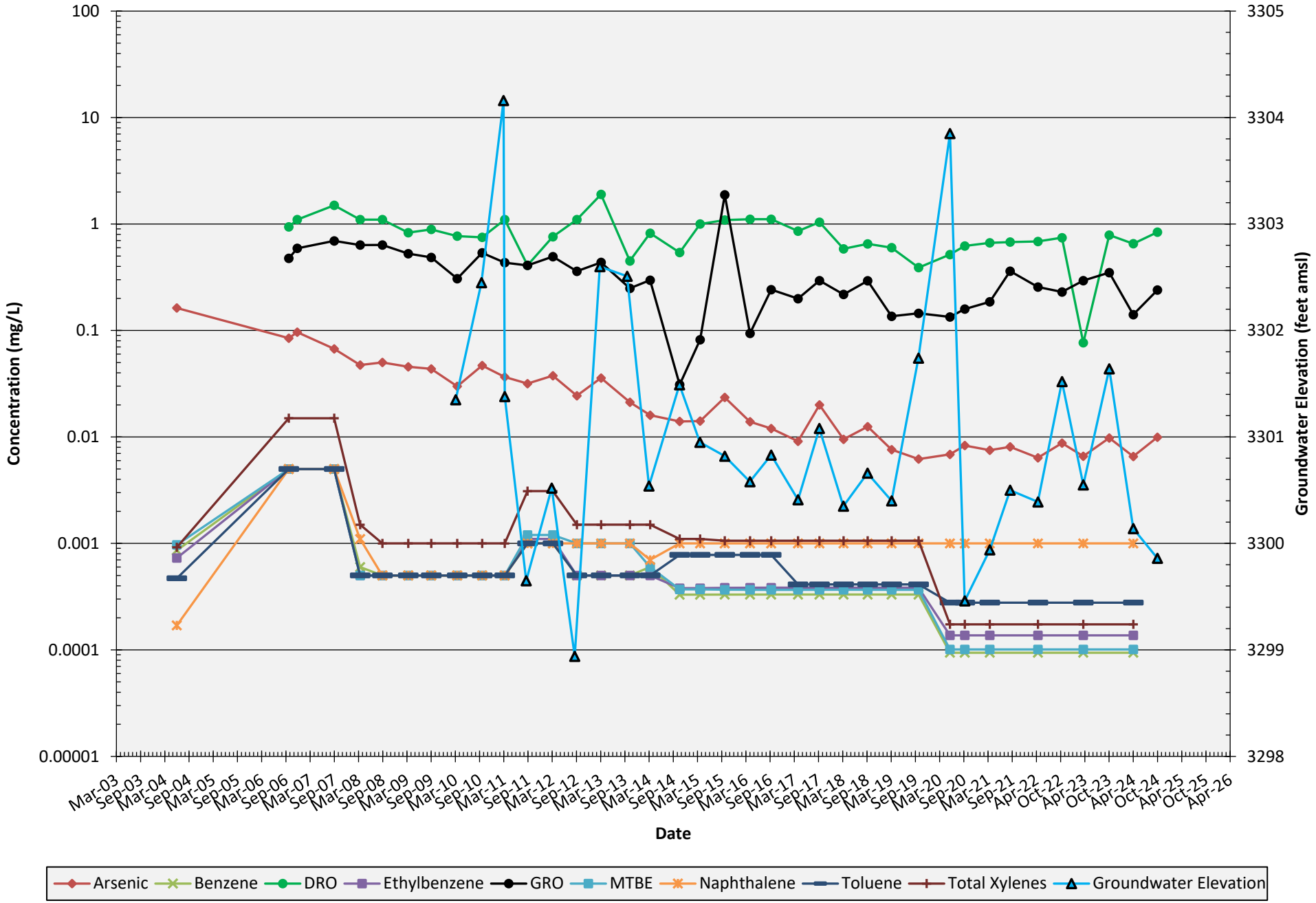


Released to Imaging: 6/17/2025 4:41:11 PM
Received by OCD: 6/12/2025 1:19:15 PM

OCD-6: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

Evaporation Ponds



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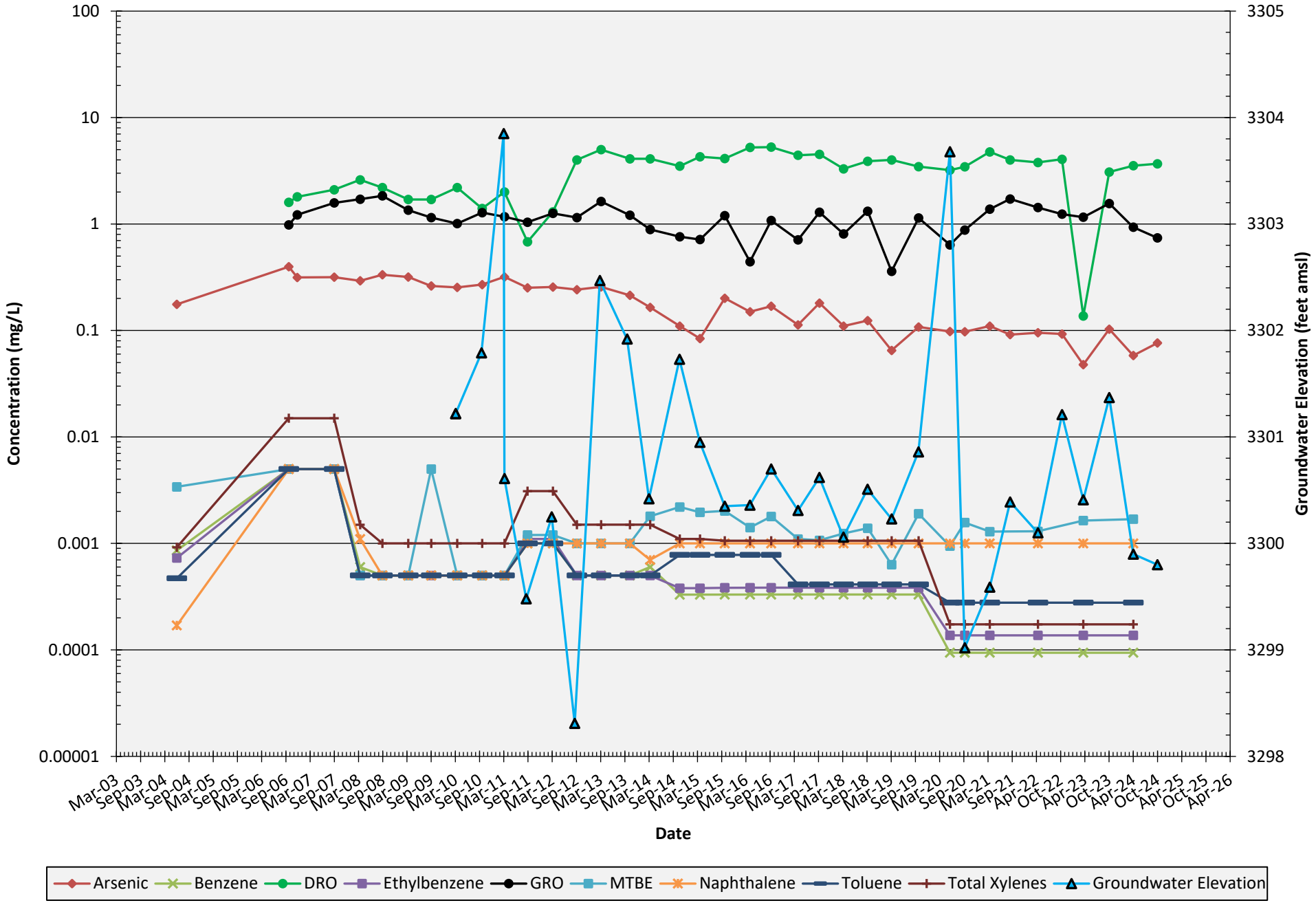
Received by OCD: 6/12/2025 1:19:15 PM

OCD-7A & OCD-7AR: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

Evaporation Ponds

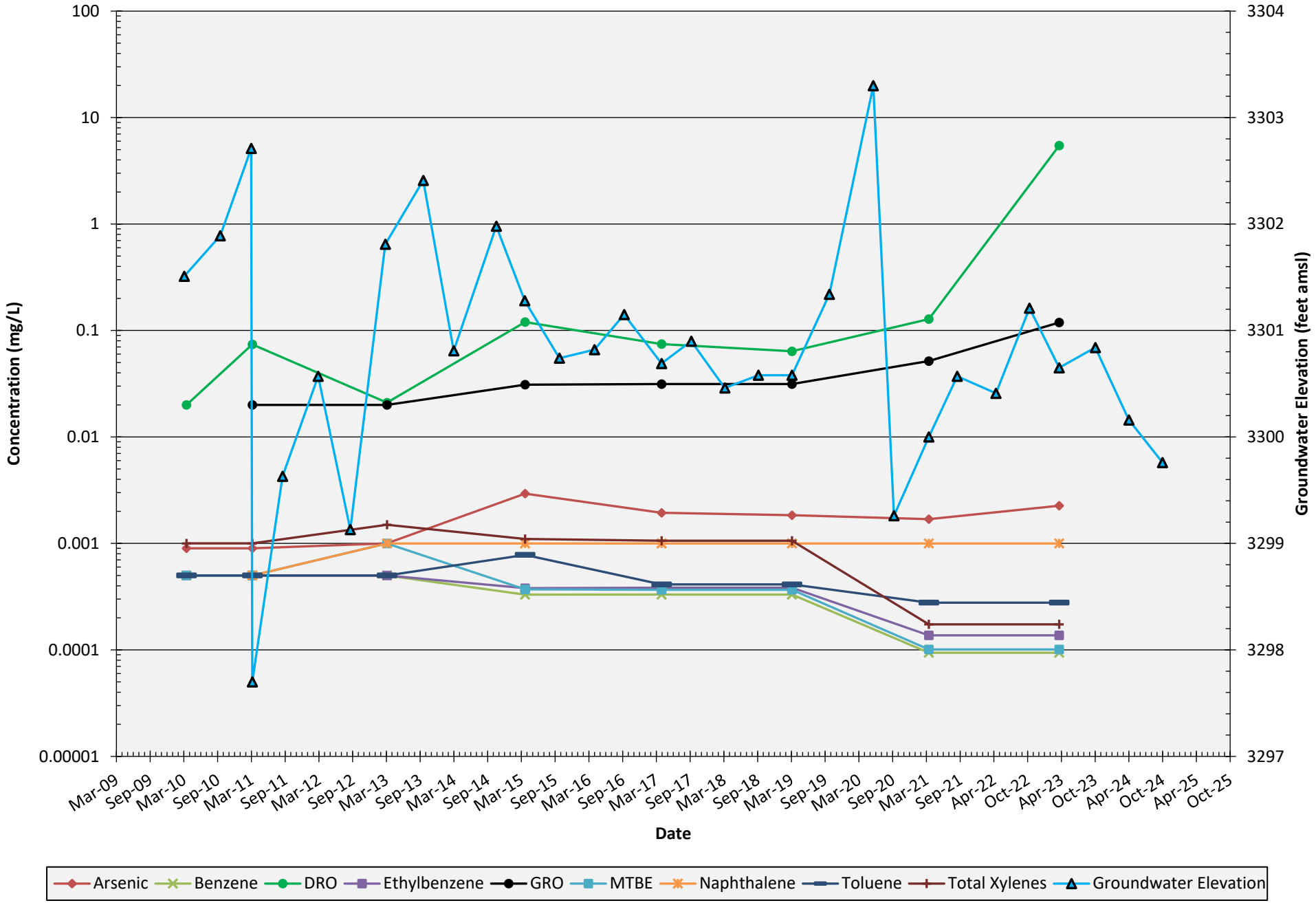


Released to Imaging: 6/17/2025 4:41:11 PM
Received by OCD: 6/12/2025 1:19:15 PM

OCD-7B: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

Evaporation Ponds



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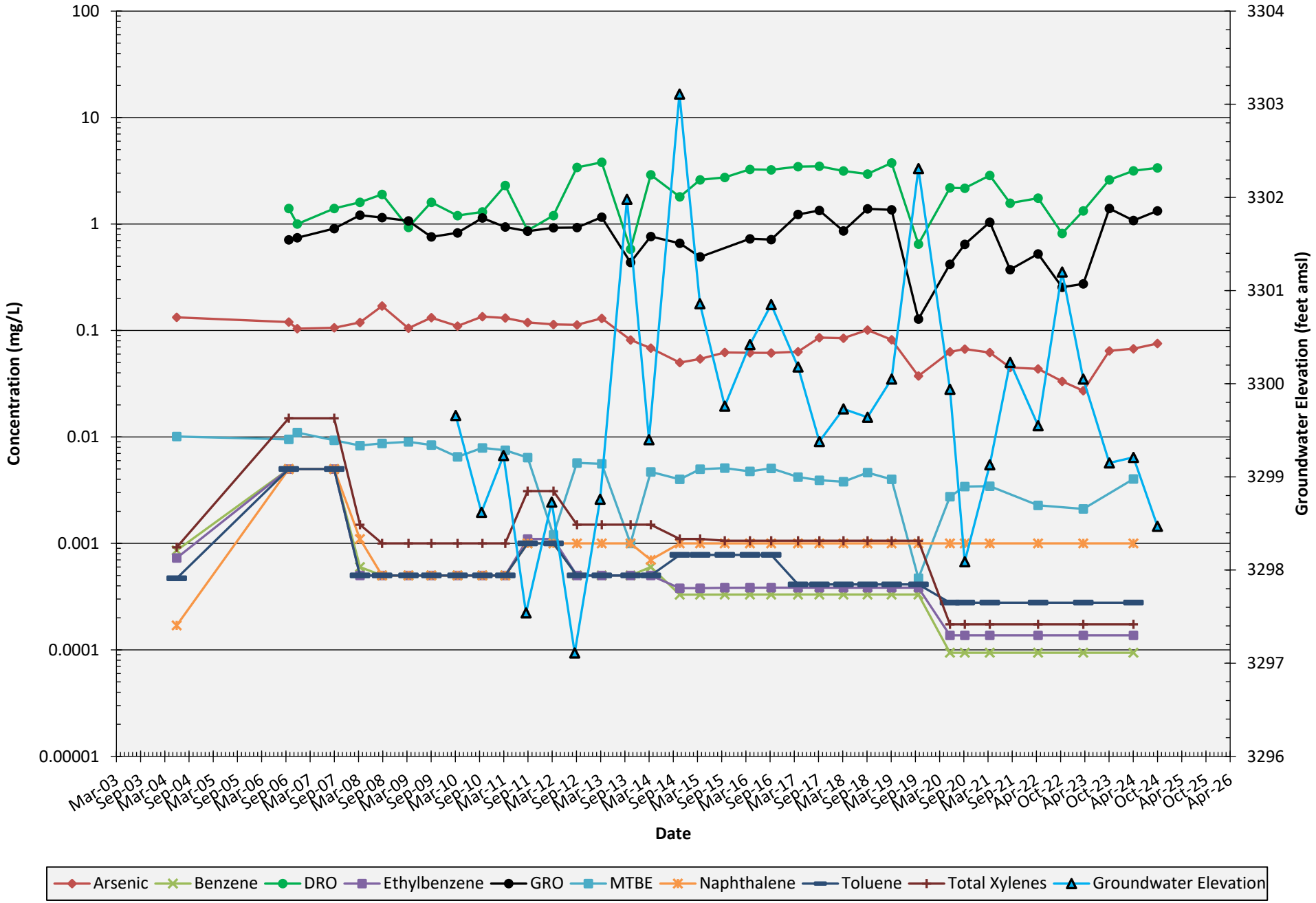
OCD-8A: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

Evaporation Ponds



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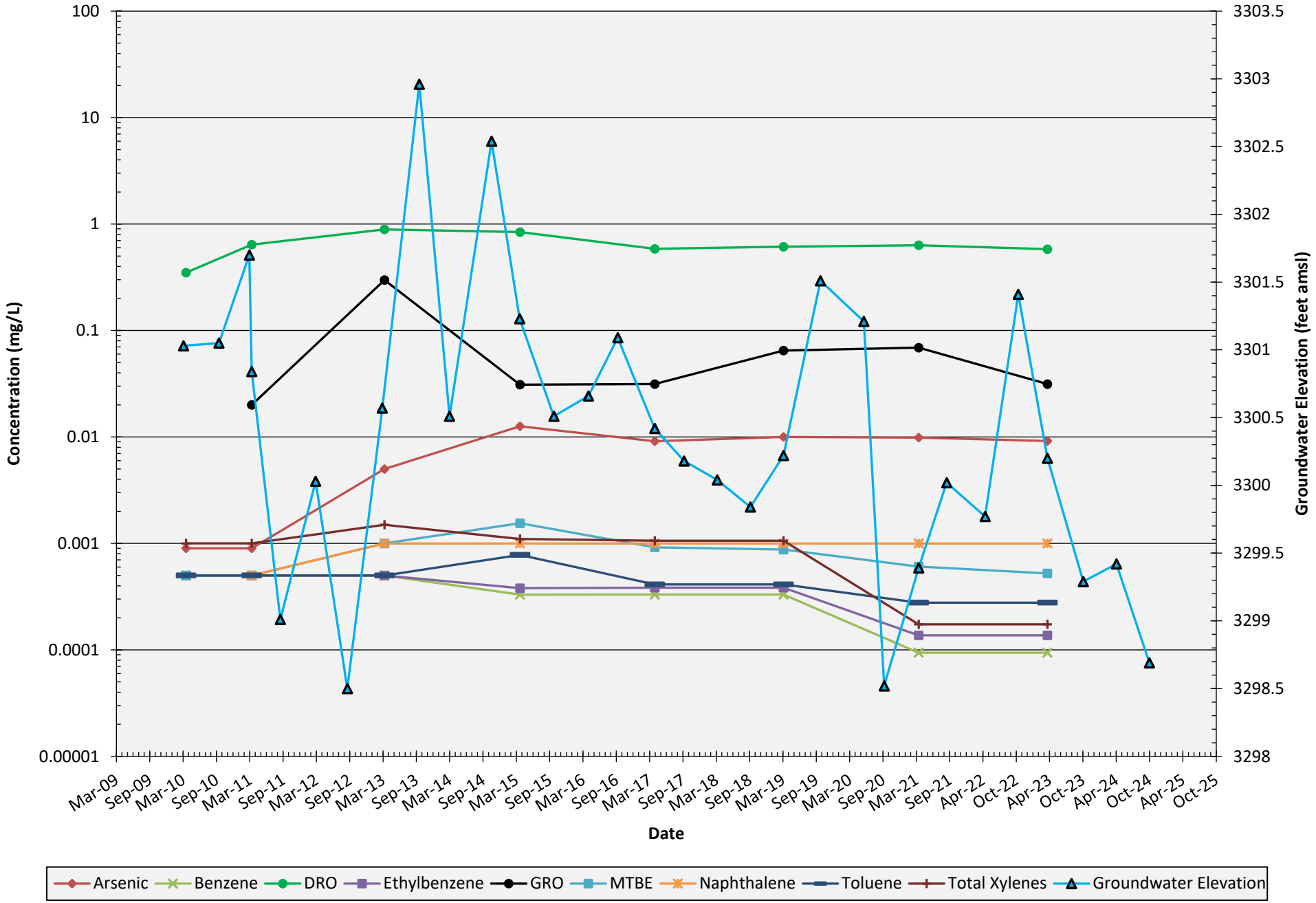
OCD-8B: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

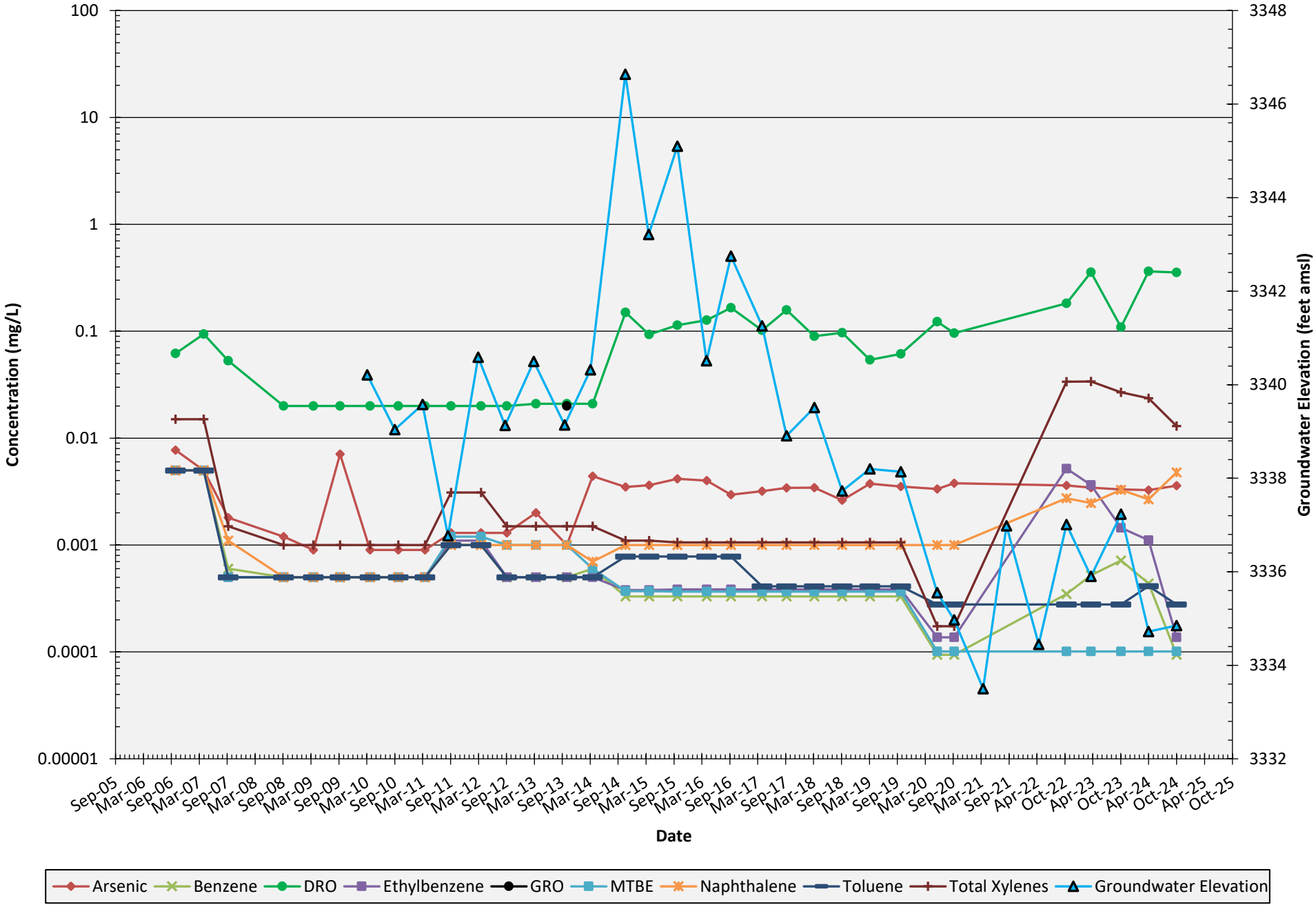
Evaporation Ponds



KWB-1A: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

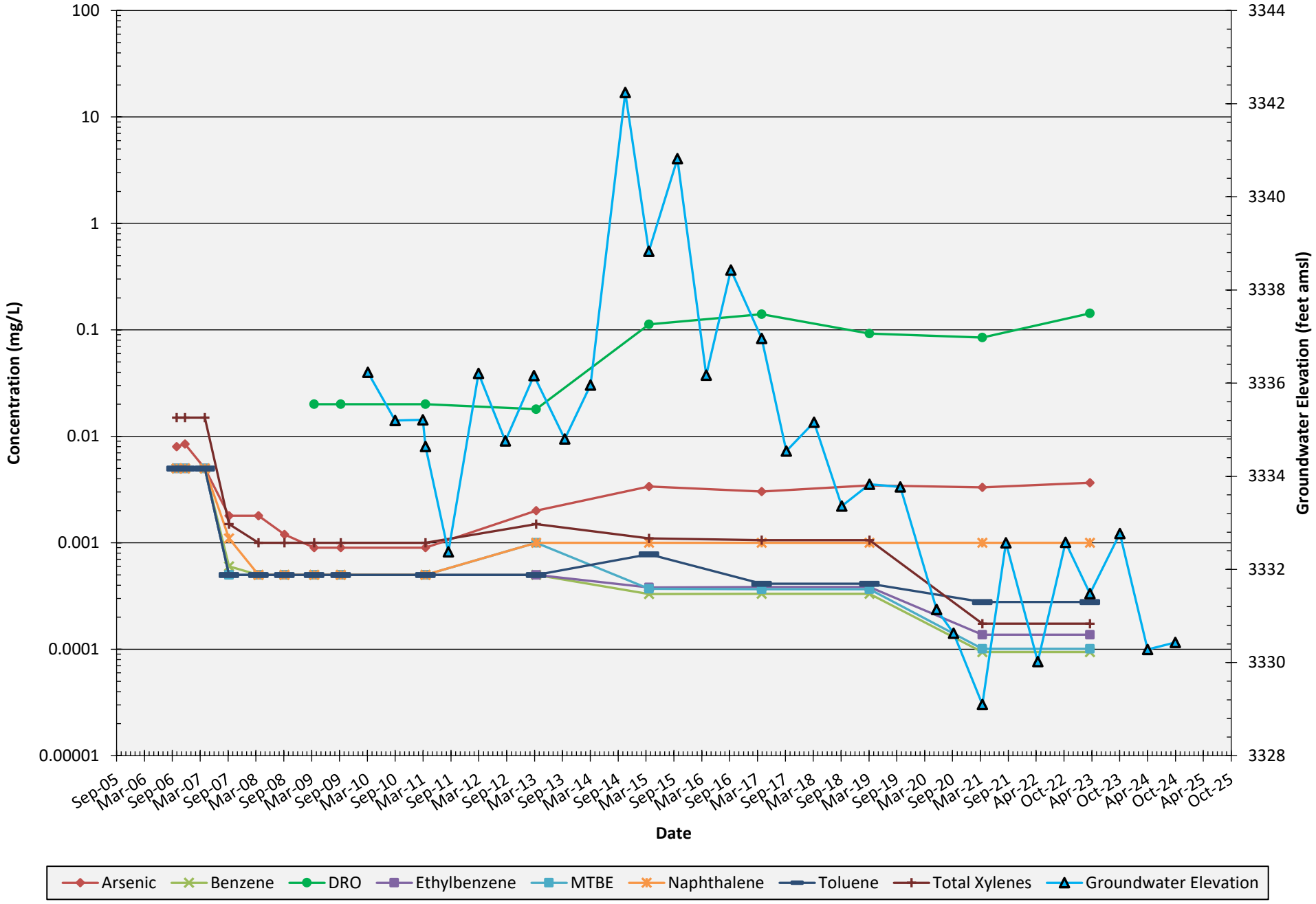
Field East of Refinery



KWB-1C: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

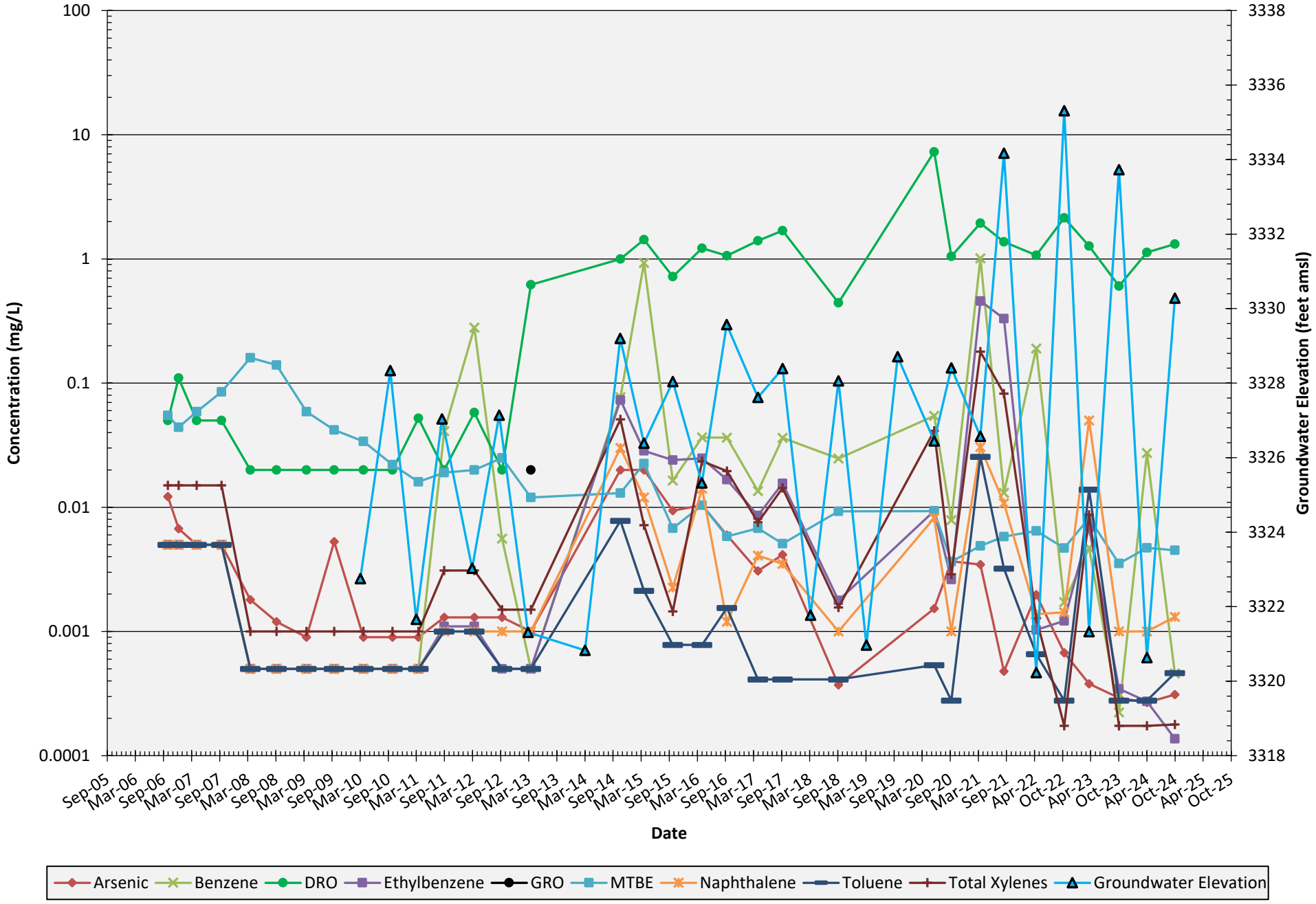
Field East of Refinery



KWB-7: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

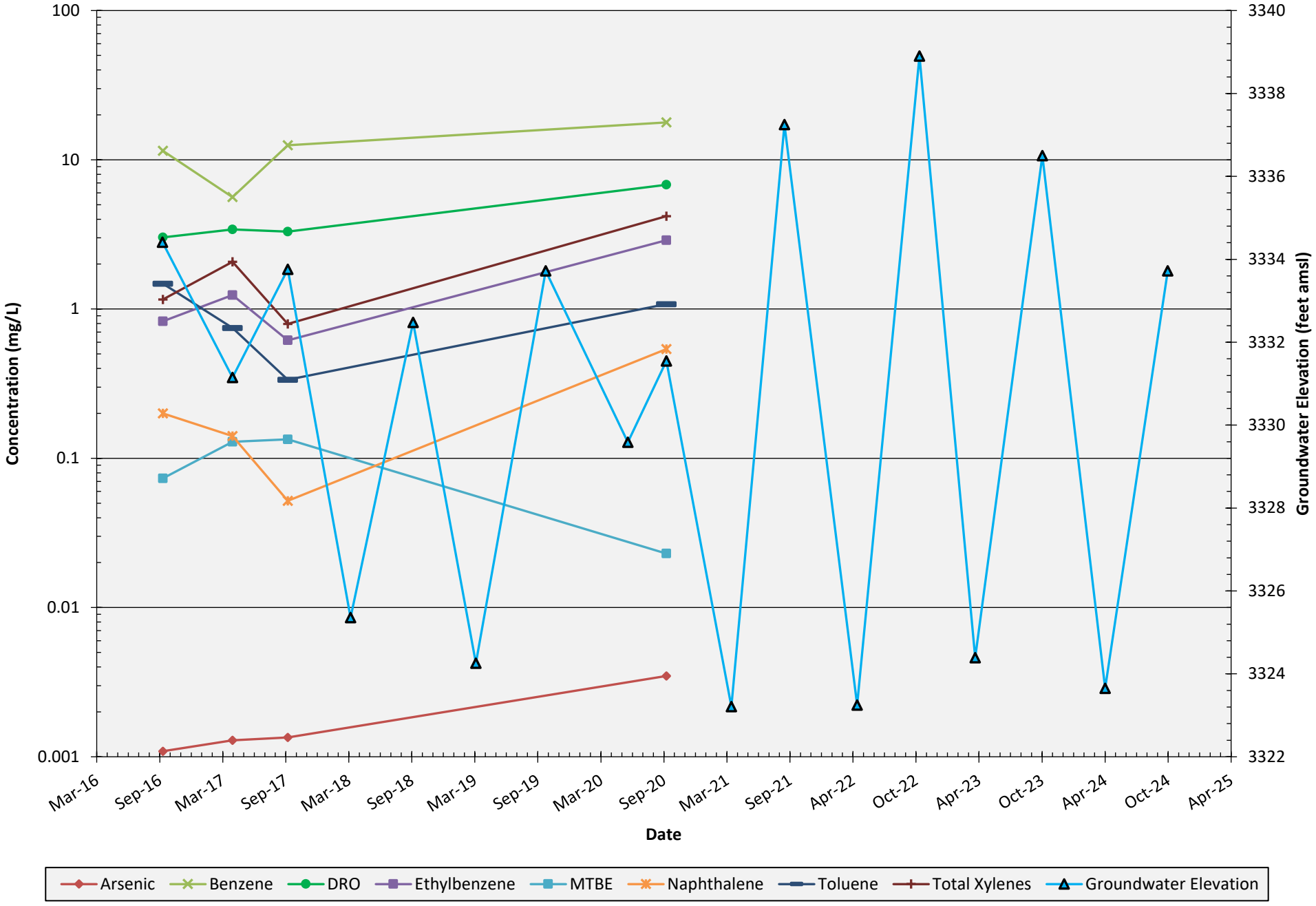
Field East of Refinery



KWB-8: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

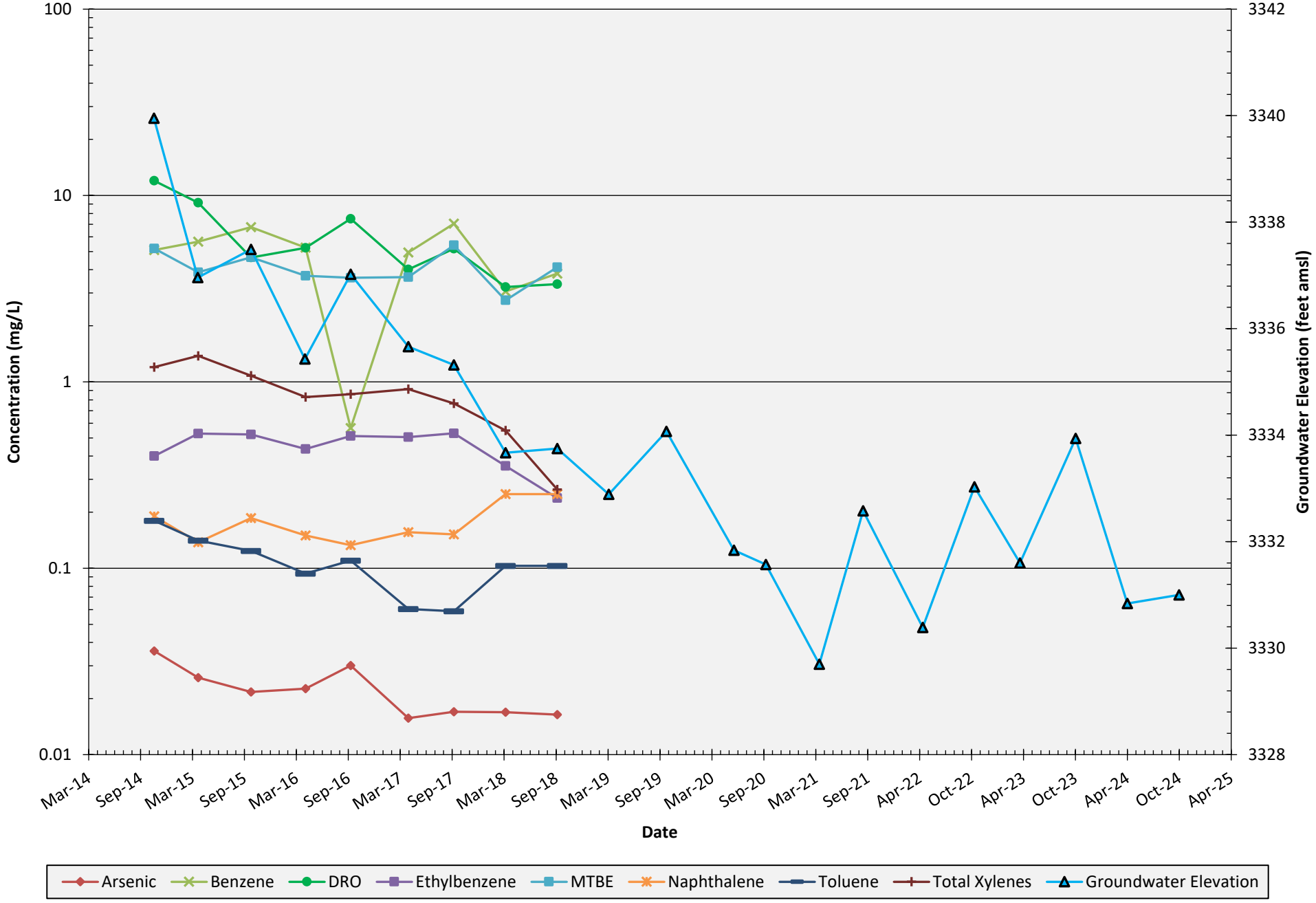
Field East of Refinery



KWB-10R: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

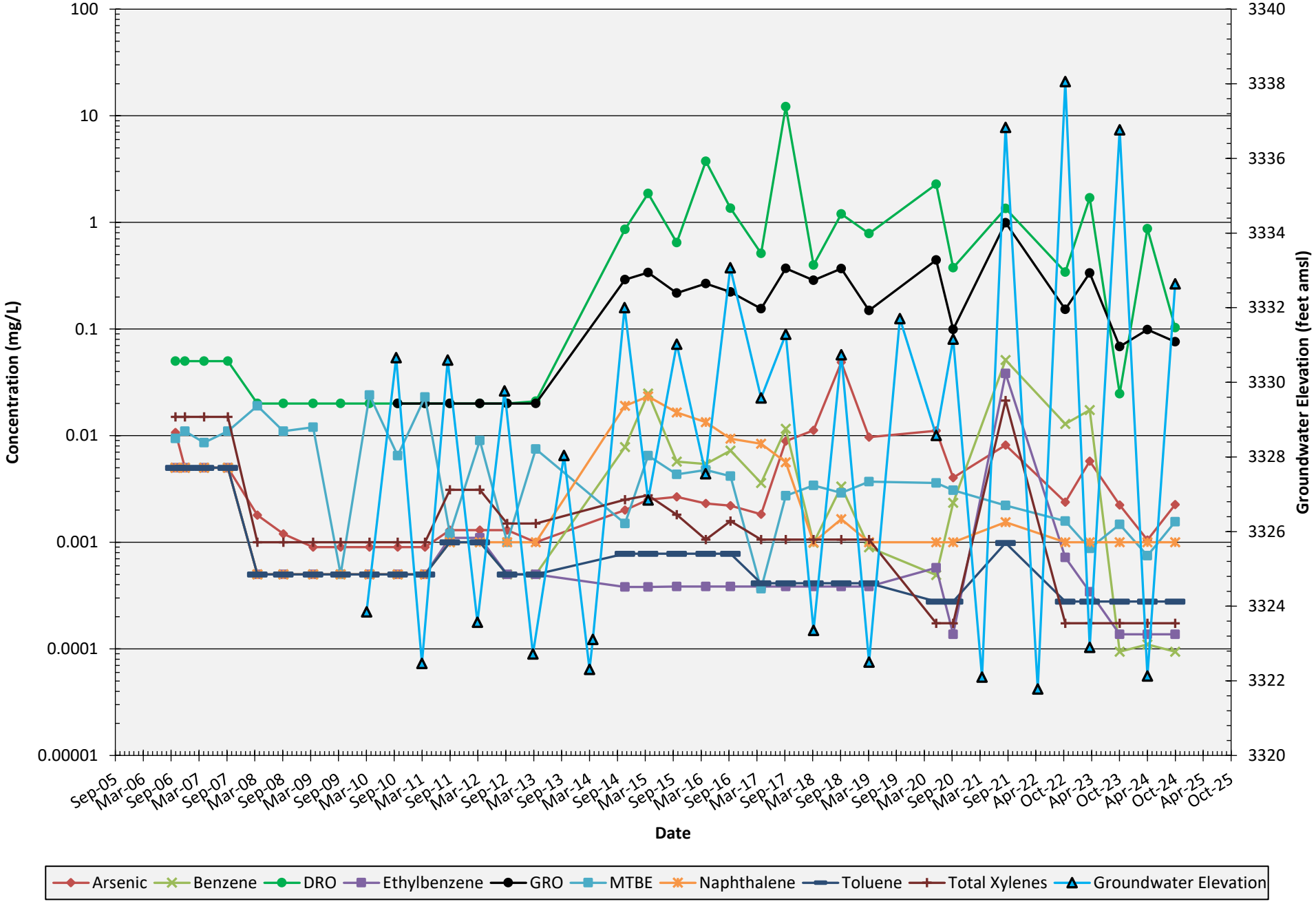
Field East of Refinery



KWB-11A: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

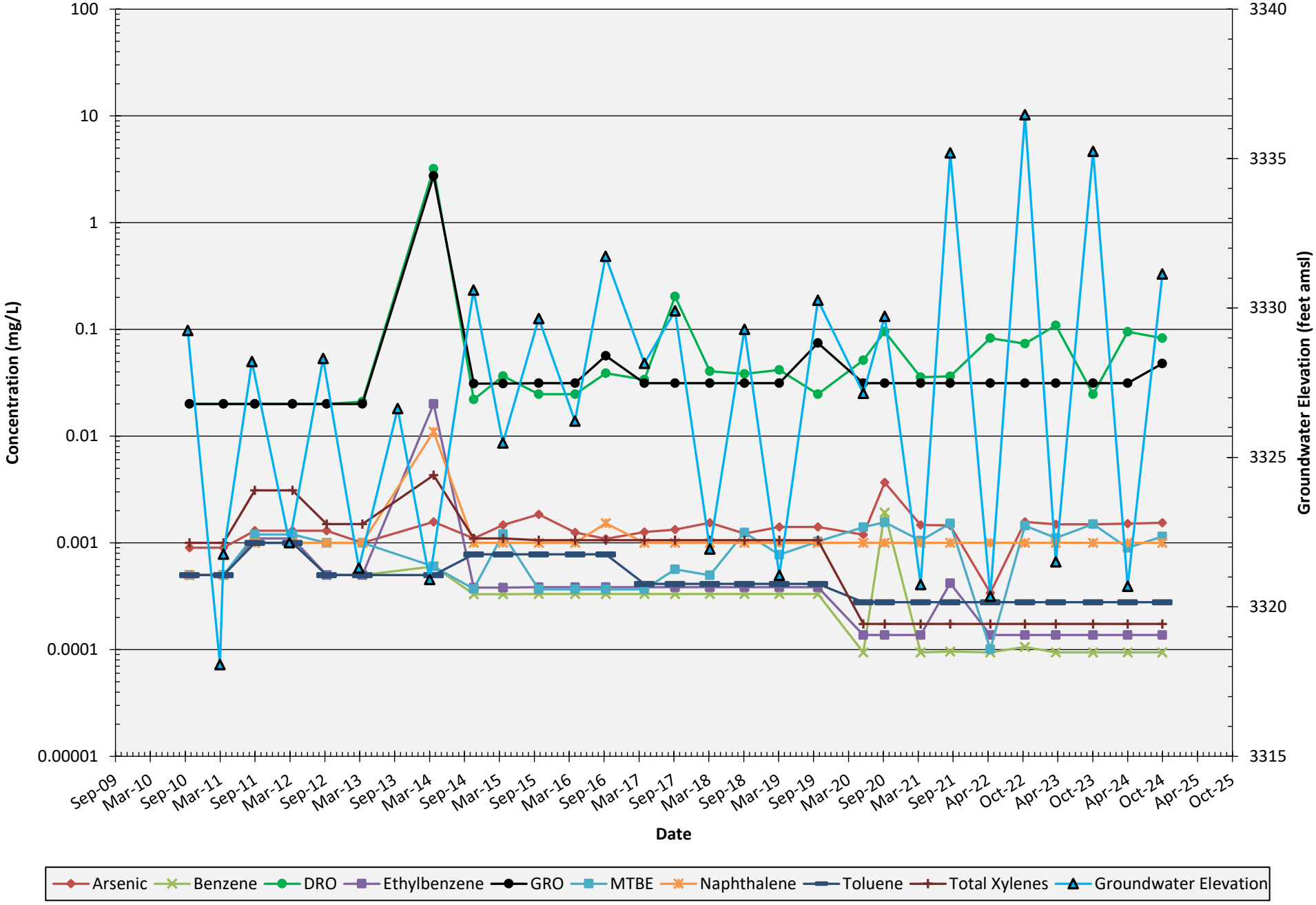
Field East of Refinery



KWB-11B: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

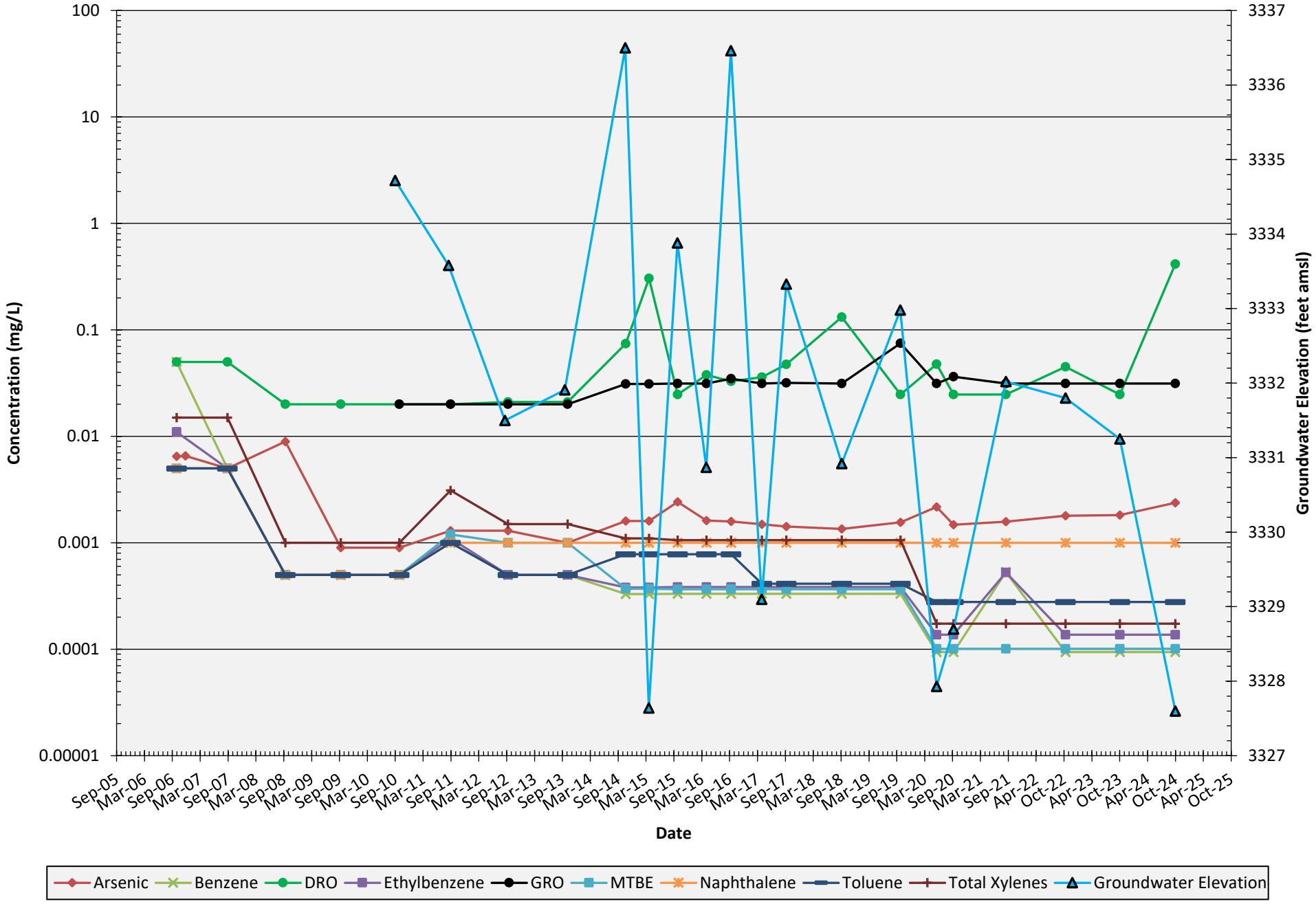
Field East of Refinery



KWB-12A: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

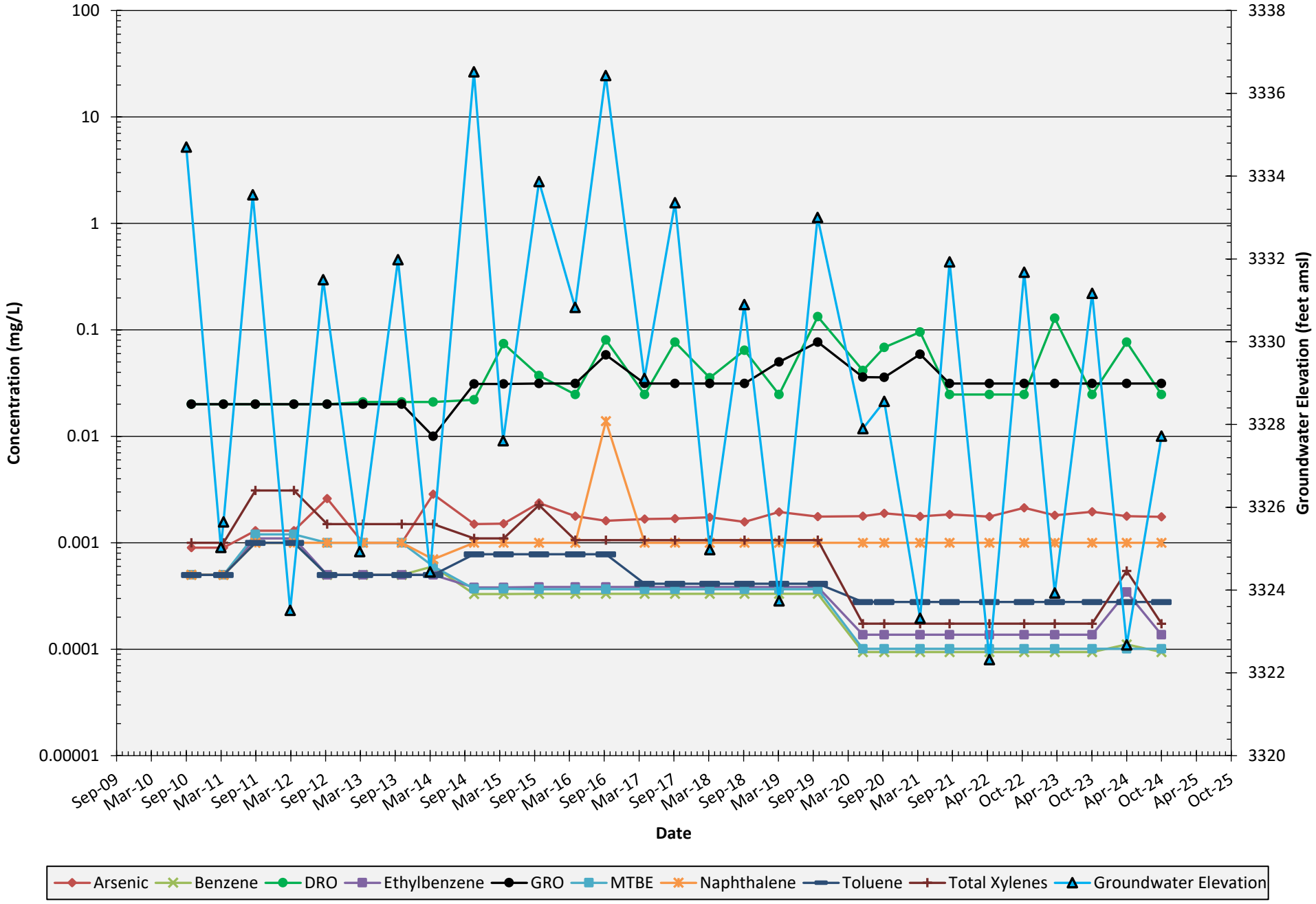
Field East of Refinery



KWB-12B: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

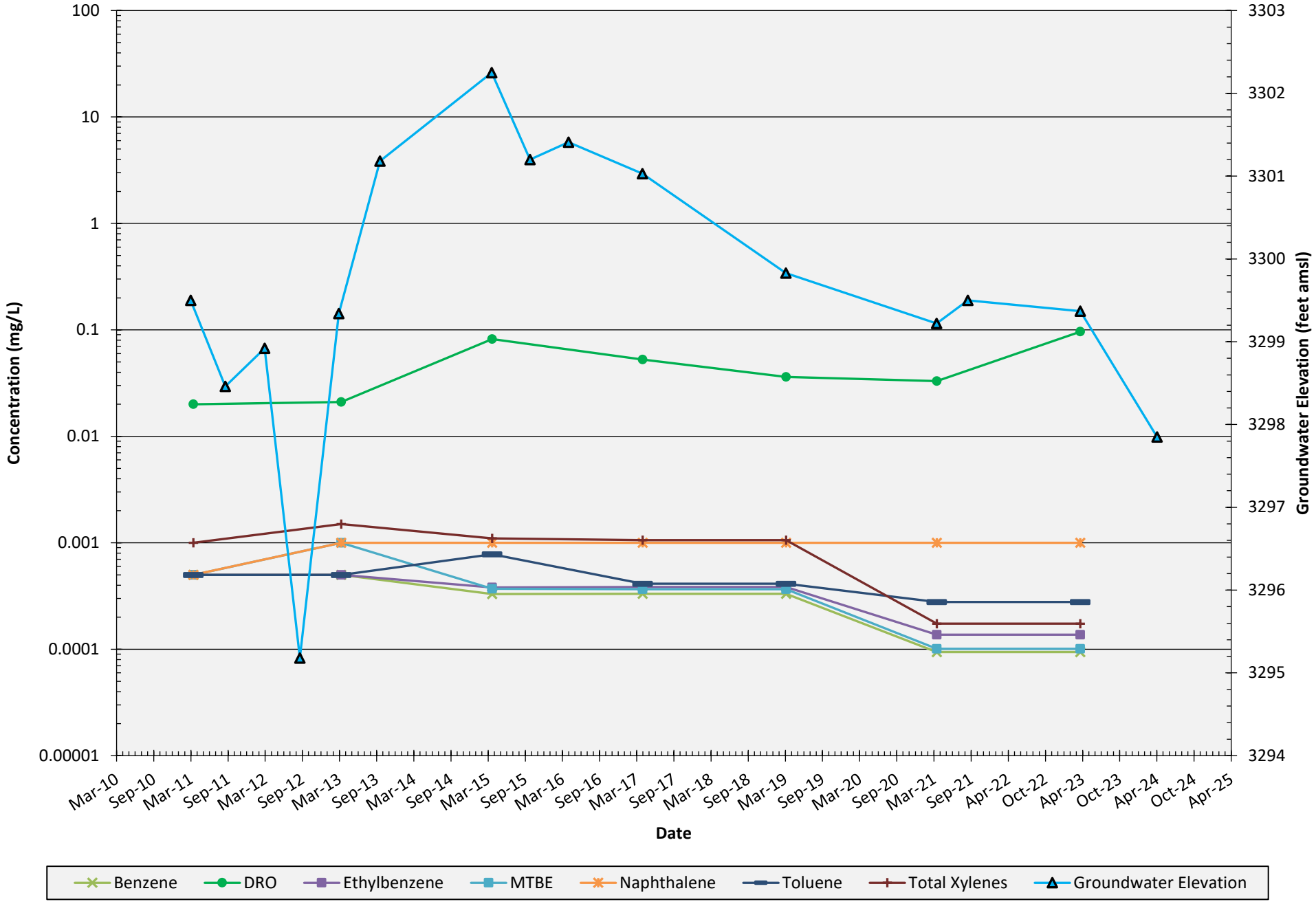
Field East of Refinery



KWB-P4: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

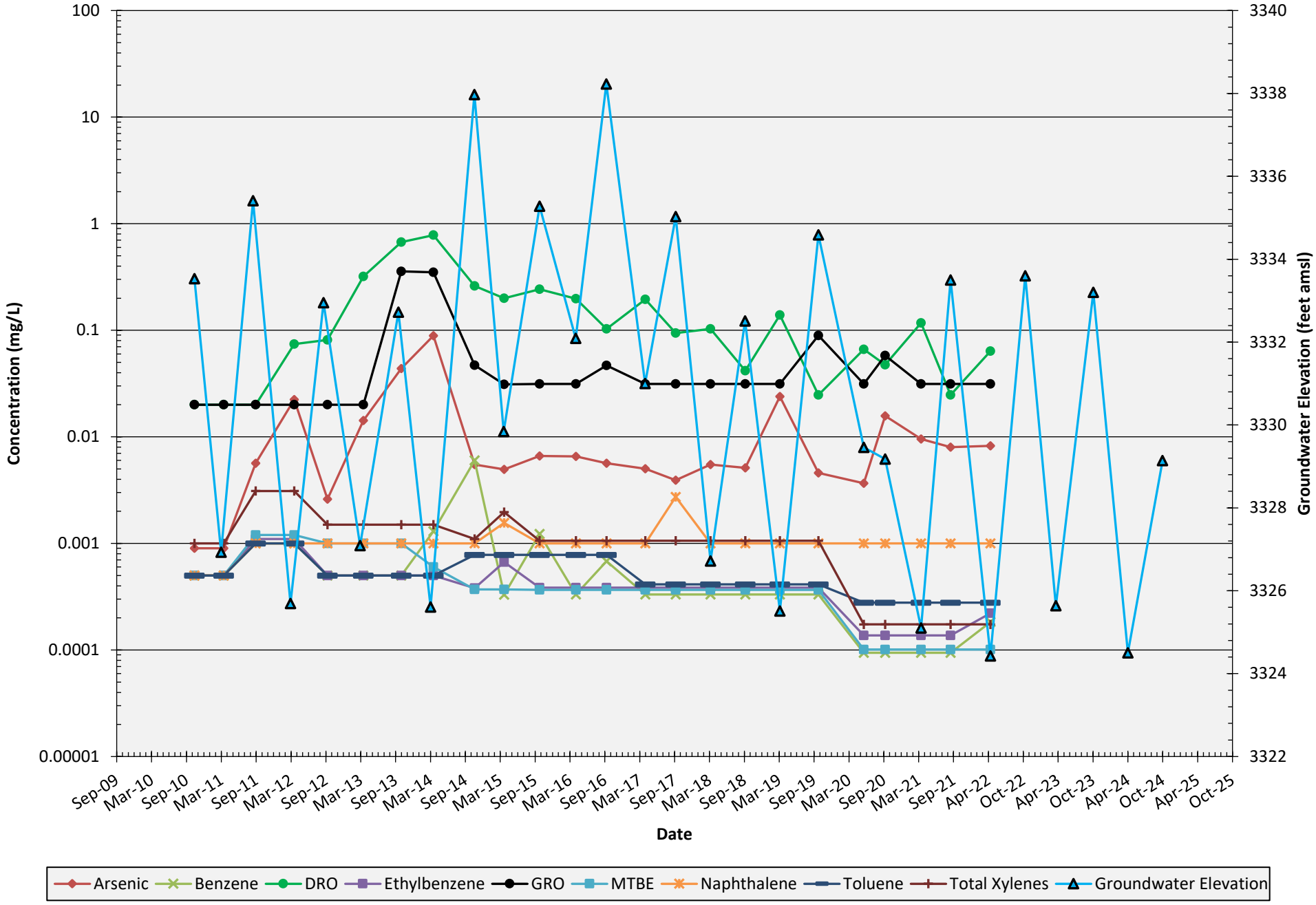
Field East of Refinery



MW-57: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

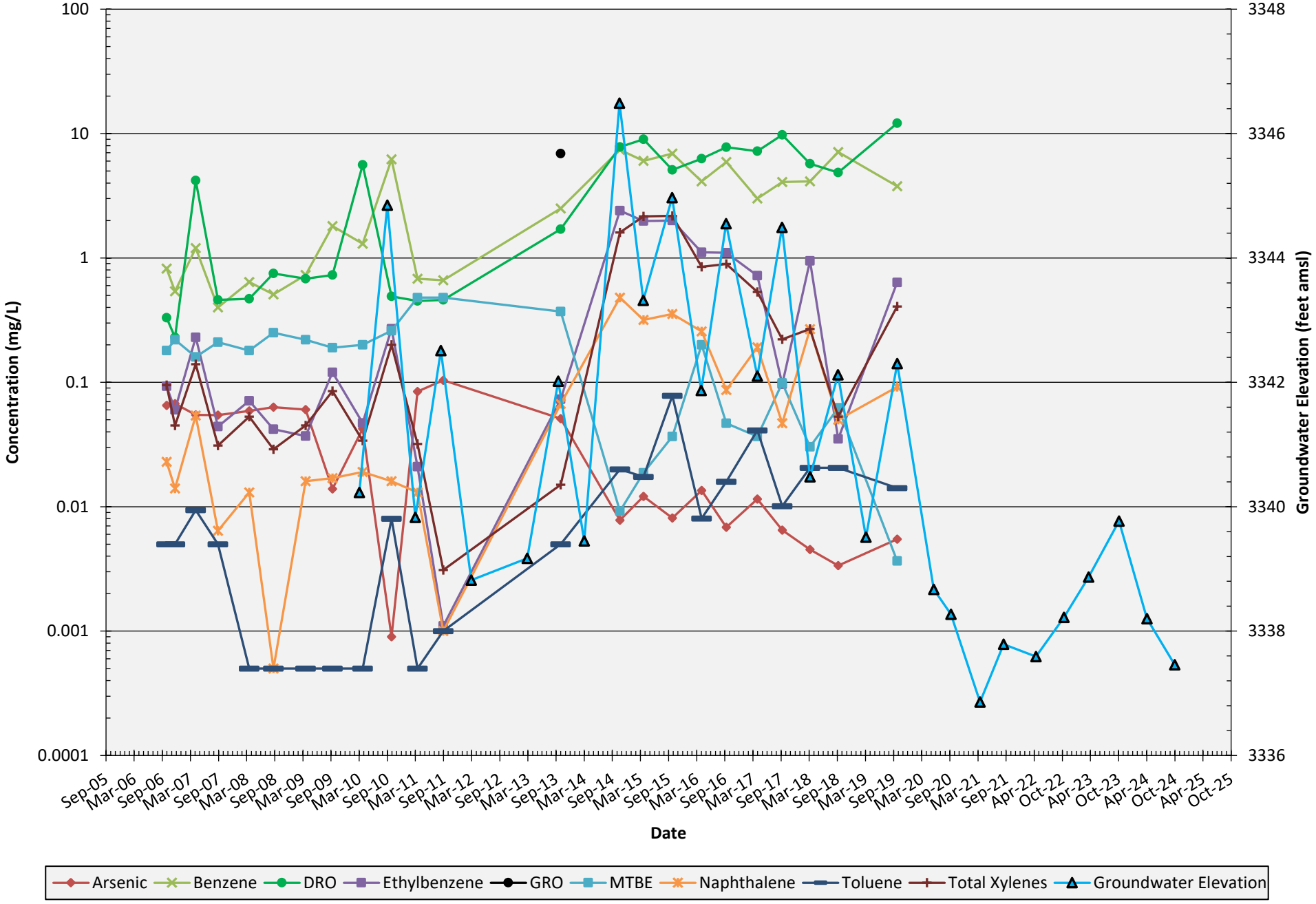
Field East of Refinery



MW-58: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

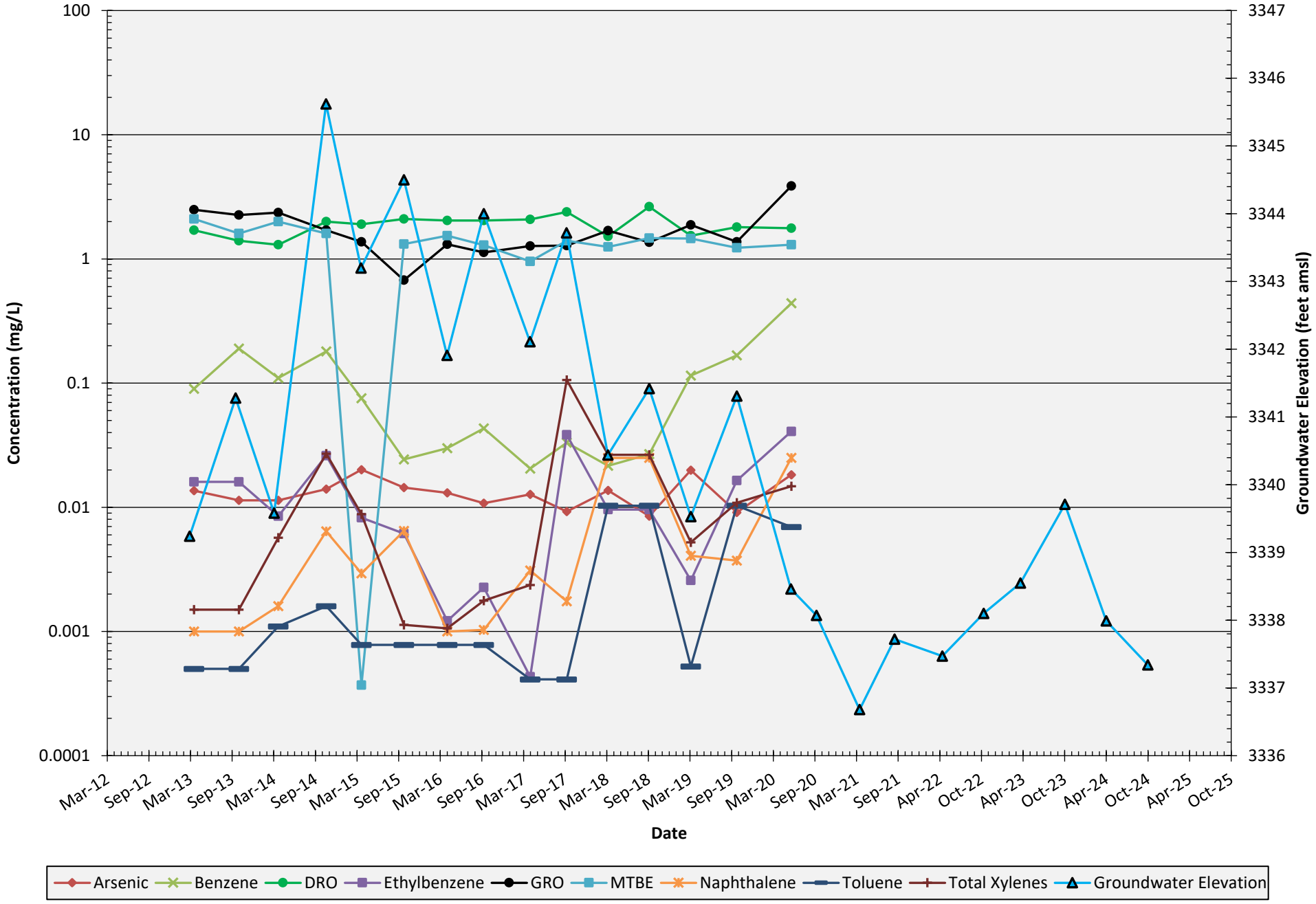
Field East of Refinery



MW-111: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

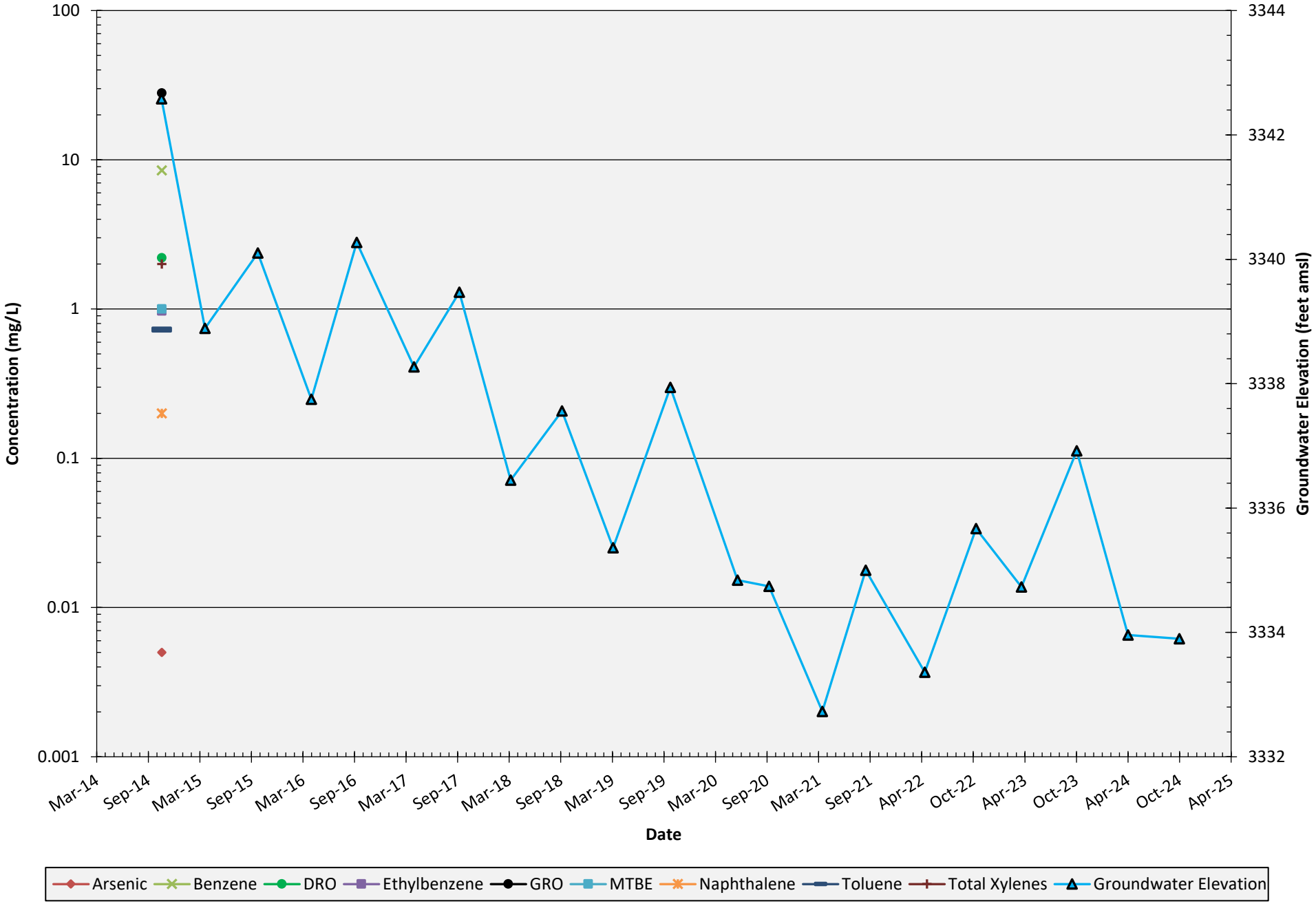
Field East of Refinery



MW-112: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

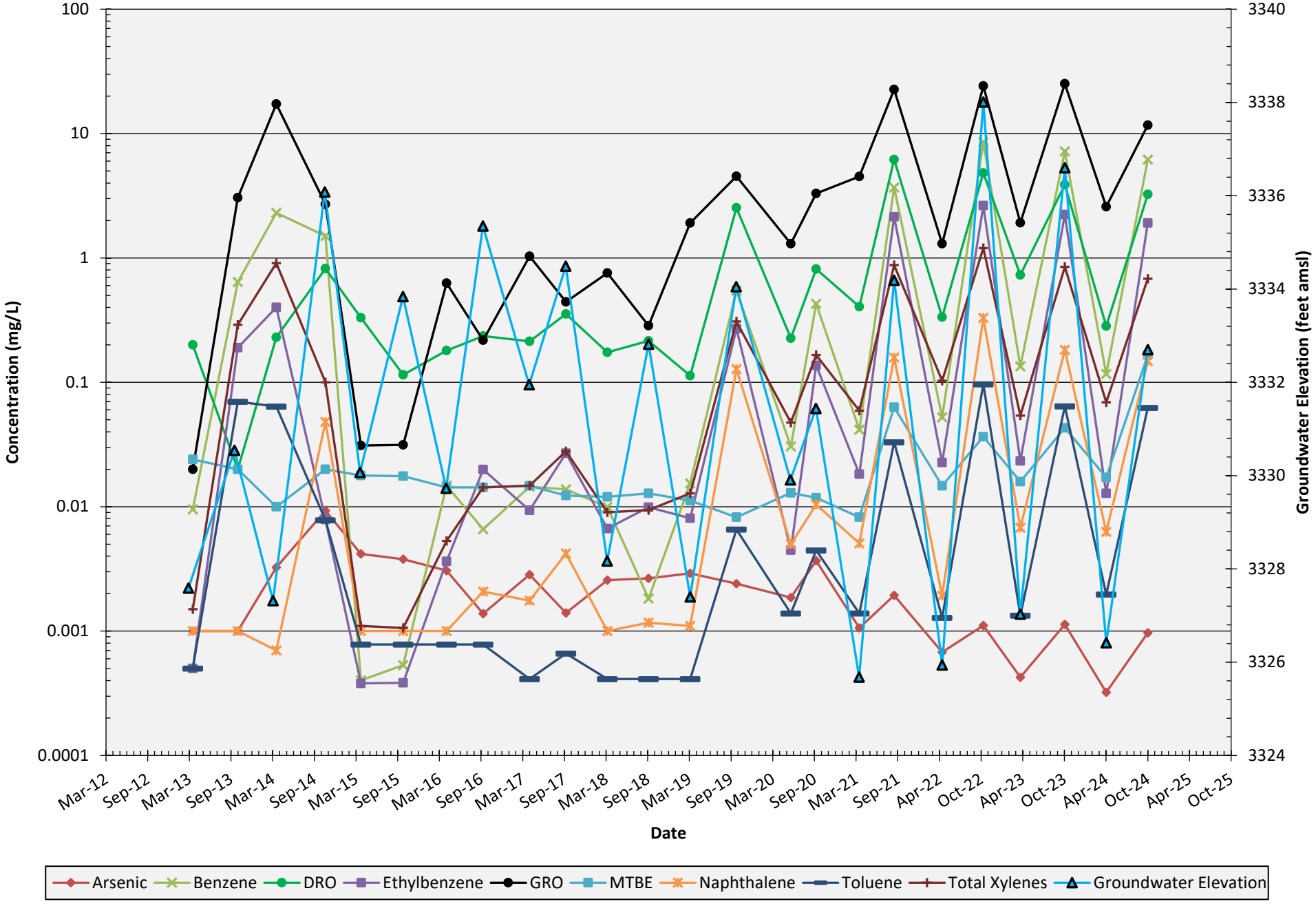
Field East of Refinery



MW-113: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

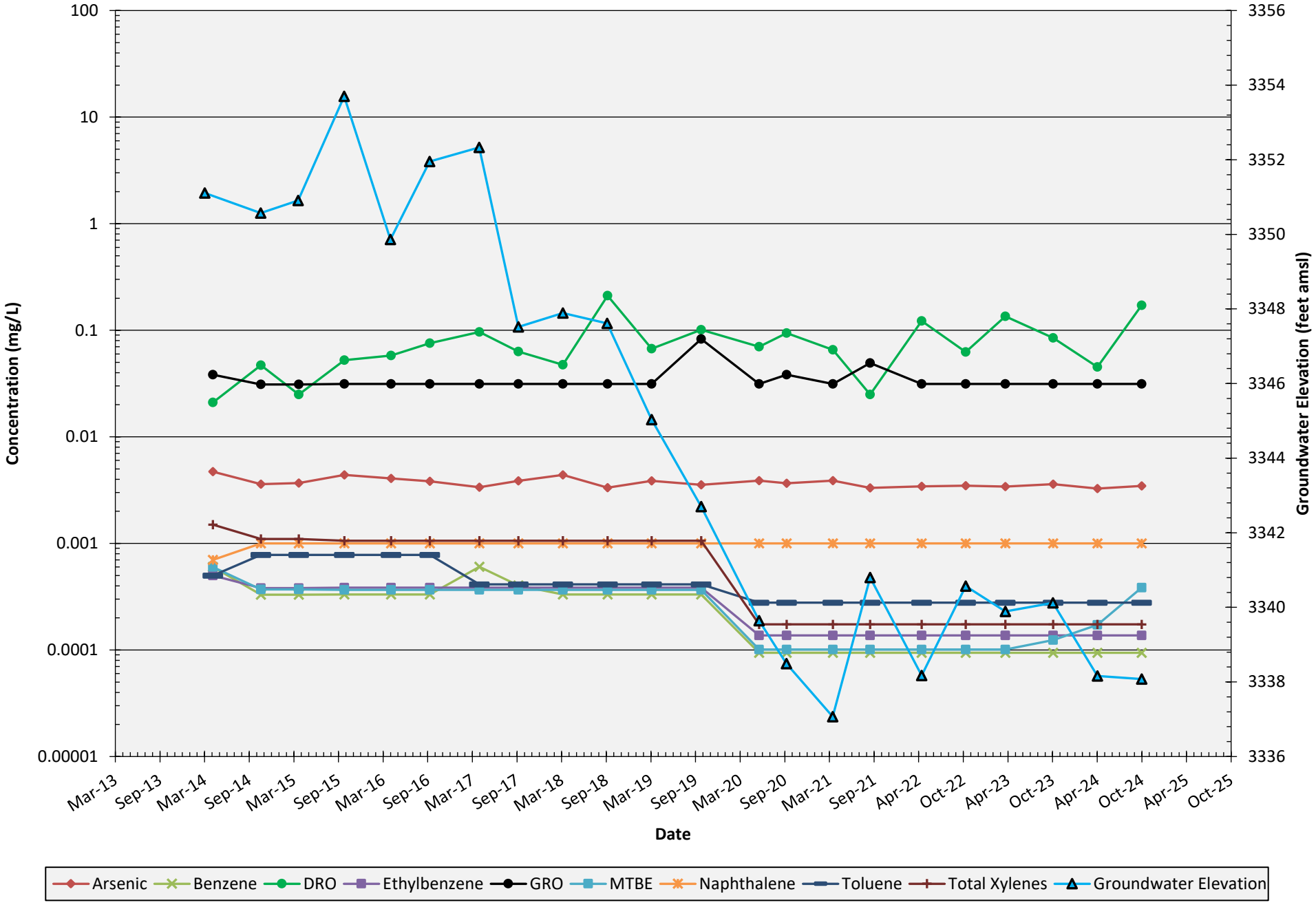
Field East of Refinery



MW-125: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

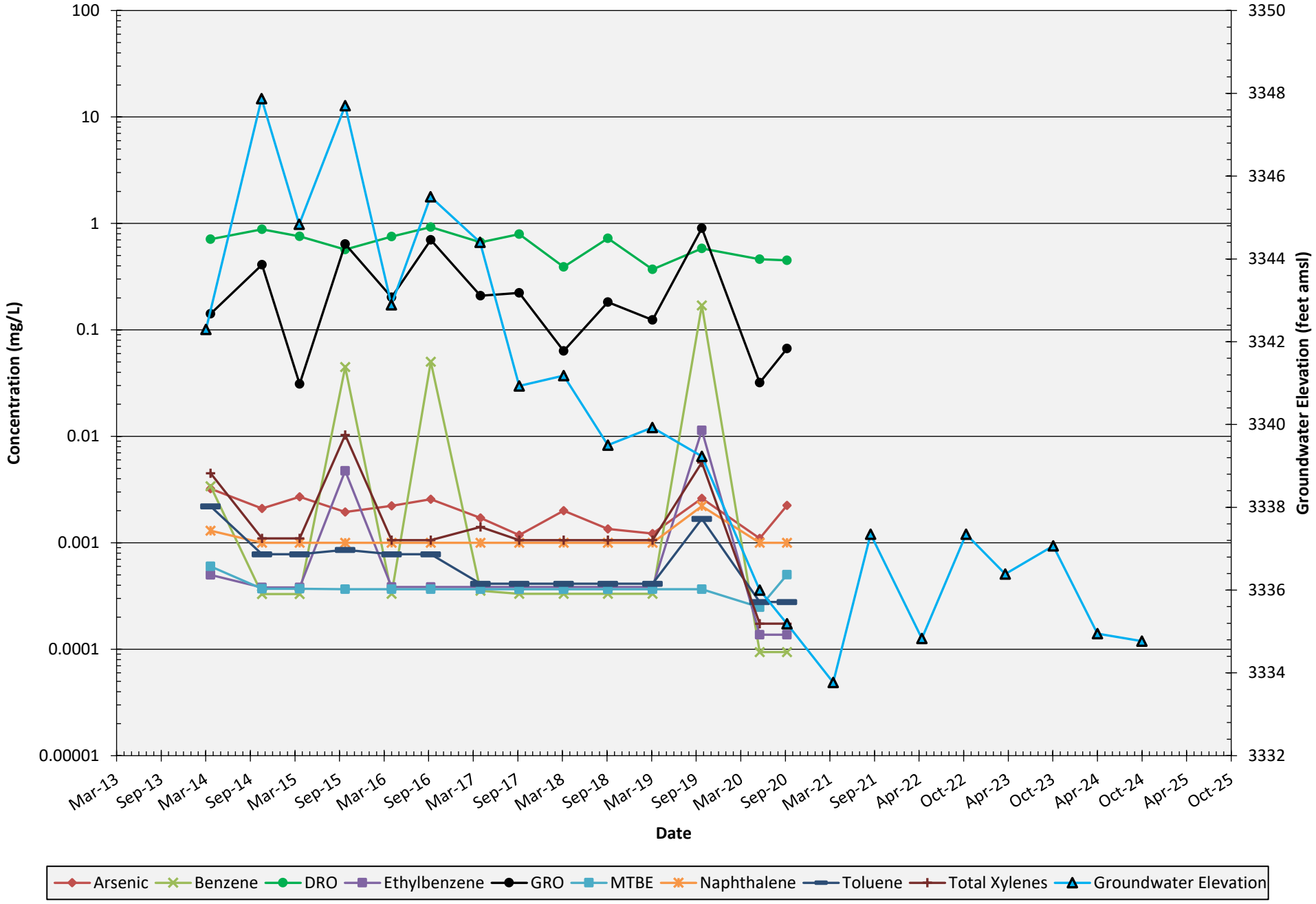
Field East of Refinery



MW-126A: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

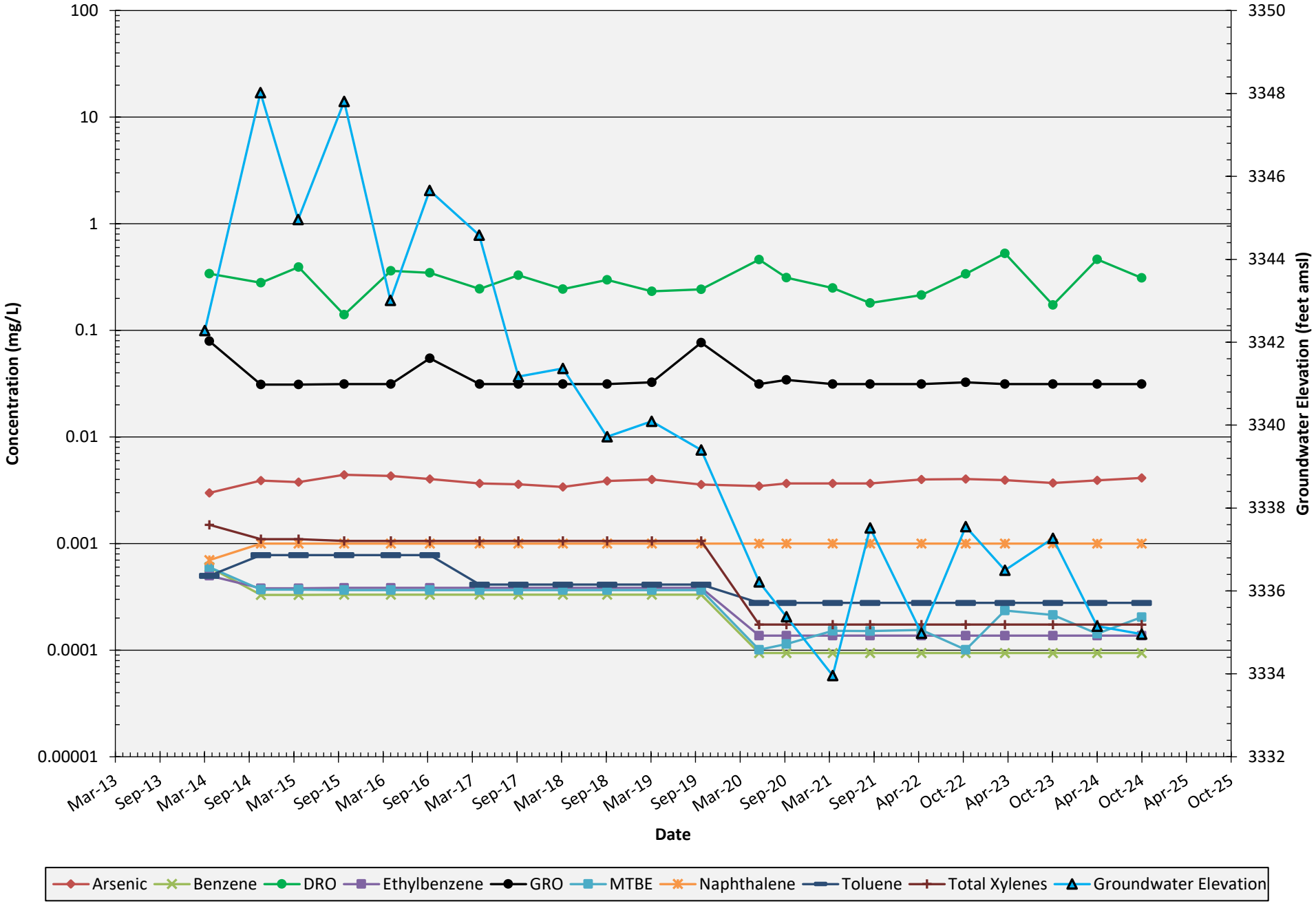
Field East of Refinery



MW-126B: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

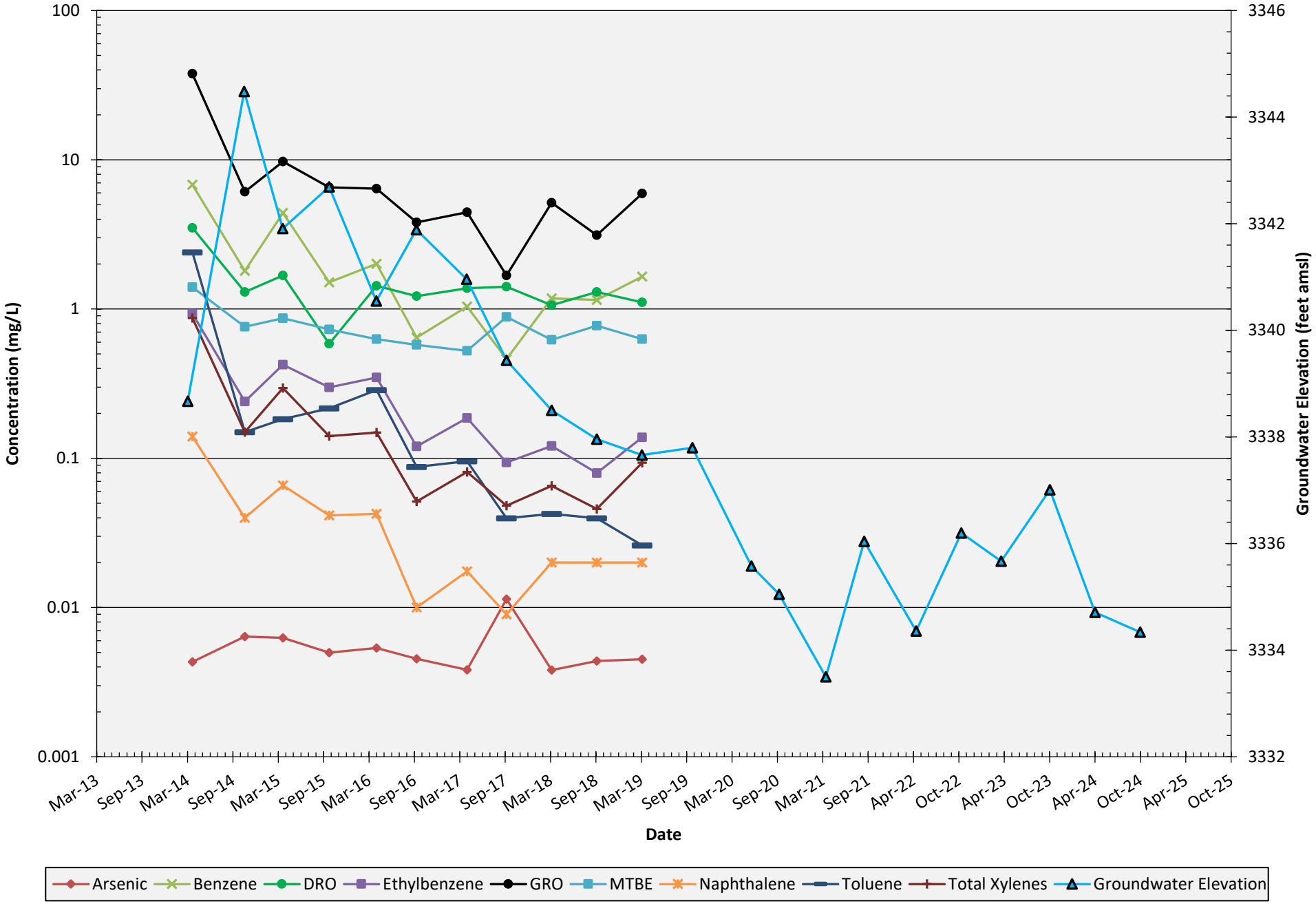
Field East of Refinery



MW-127: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

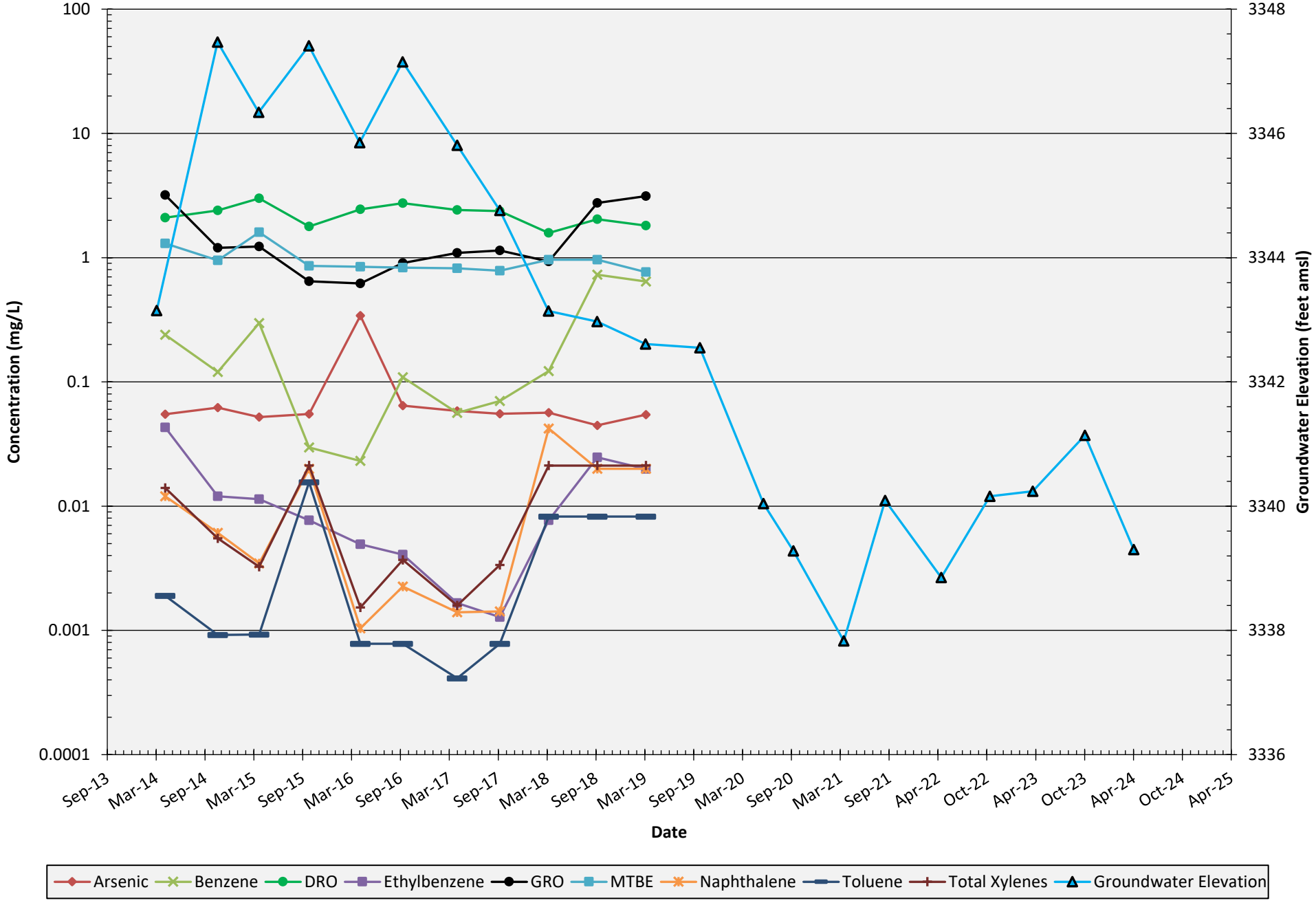
Field East of Refinery



MW-128: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

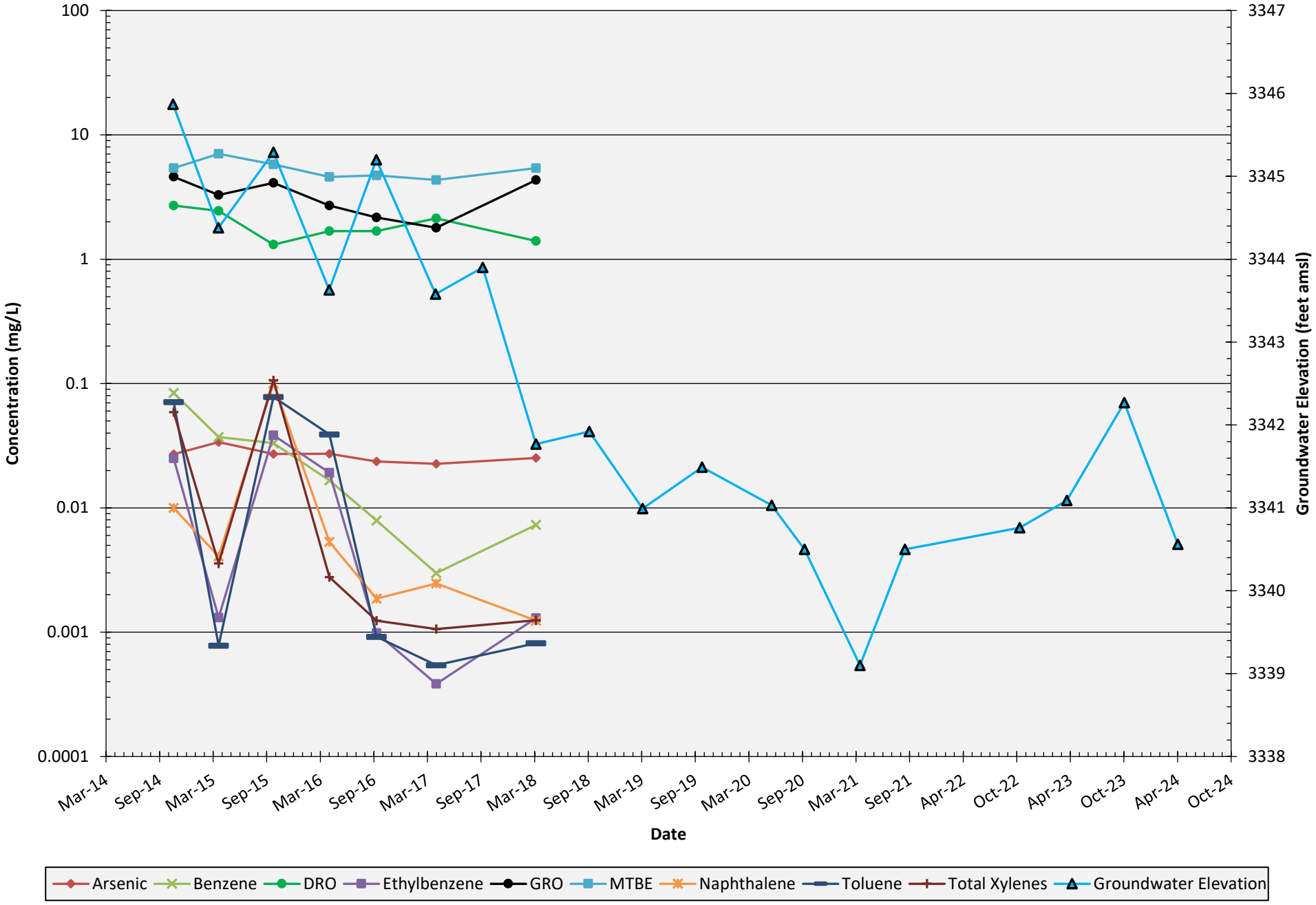
Field East of Refinery



MW-129: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

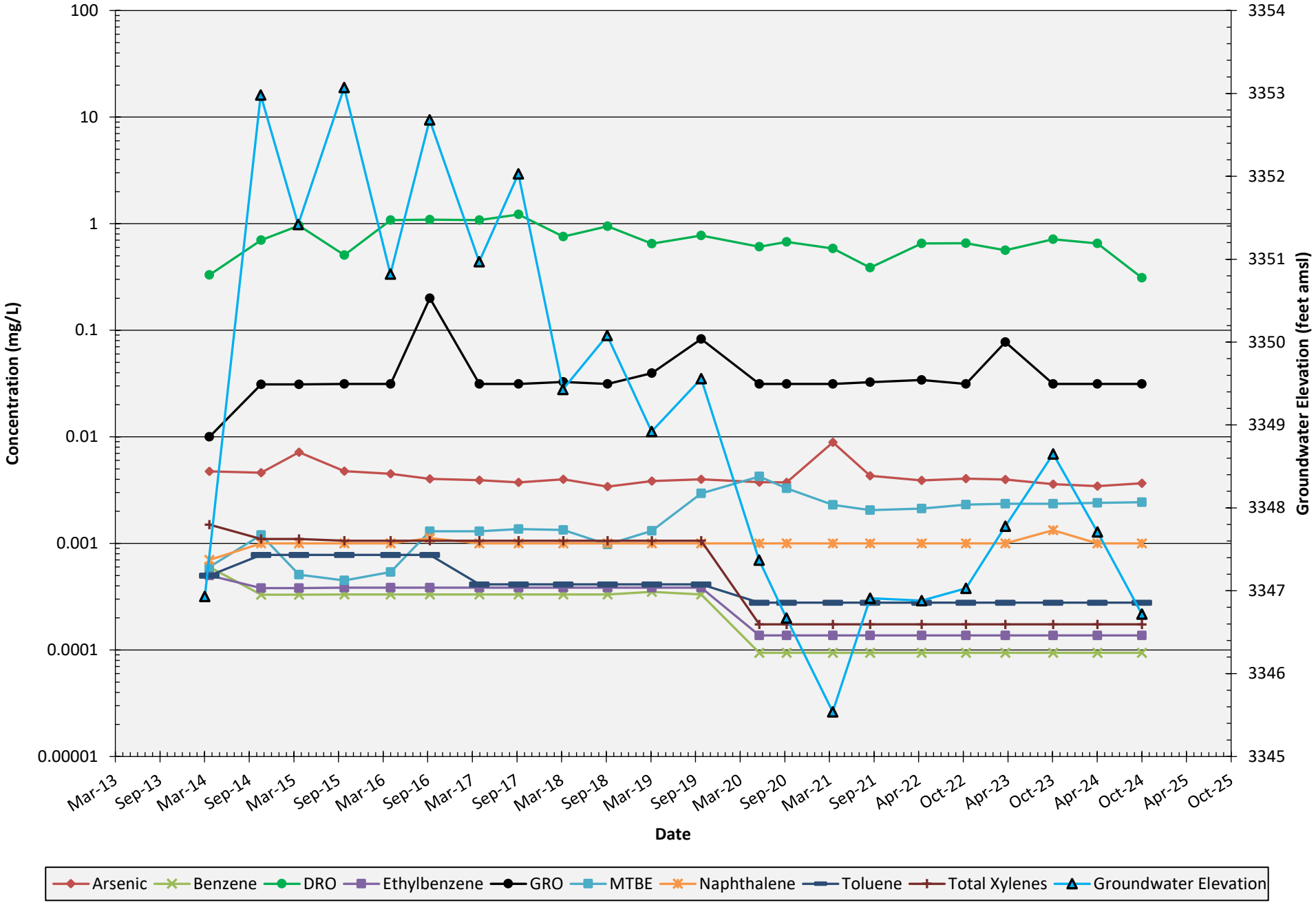
Field East of Refinery



MW-130: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

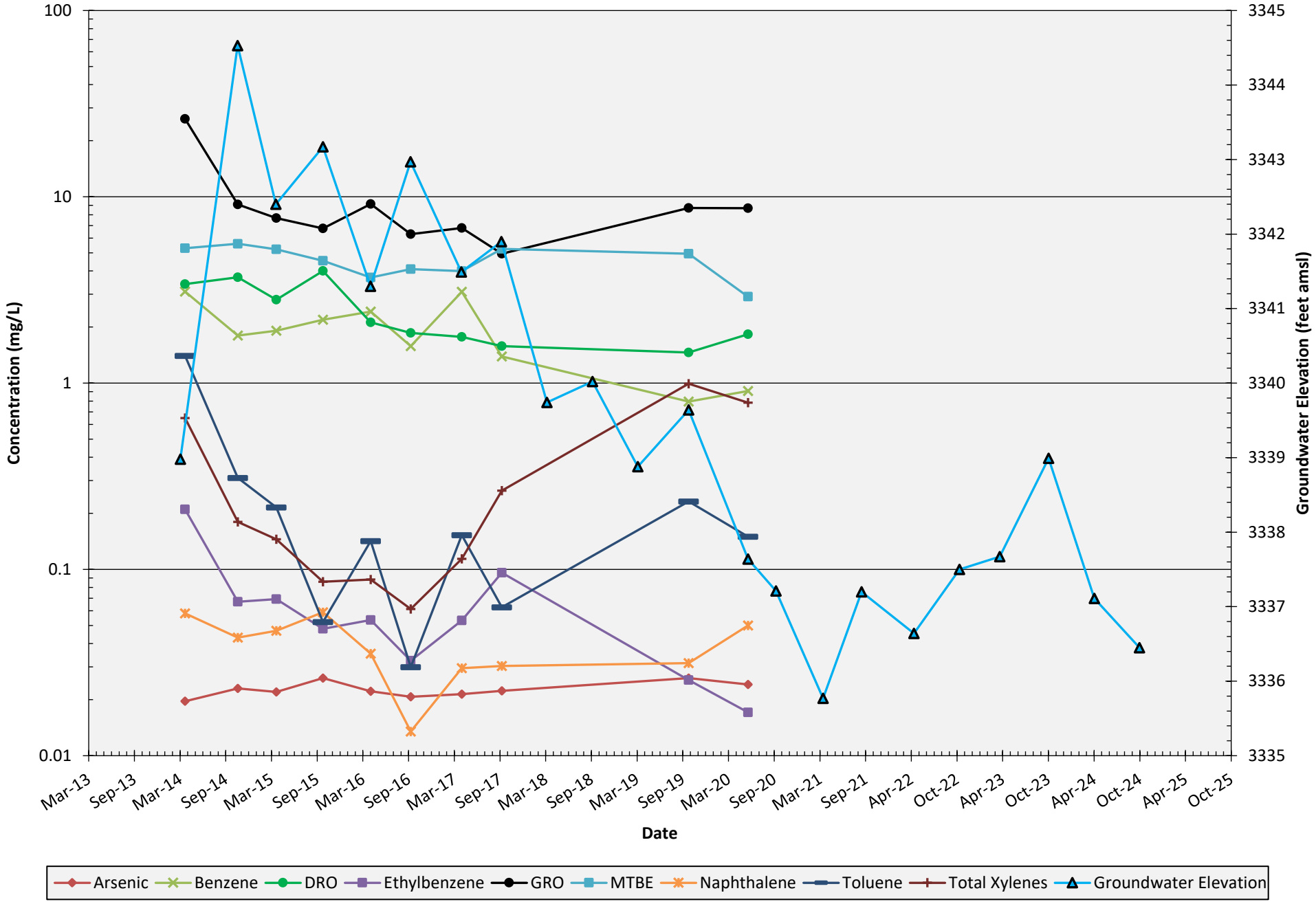
Field East of Refinery



MW-131: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

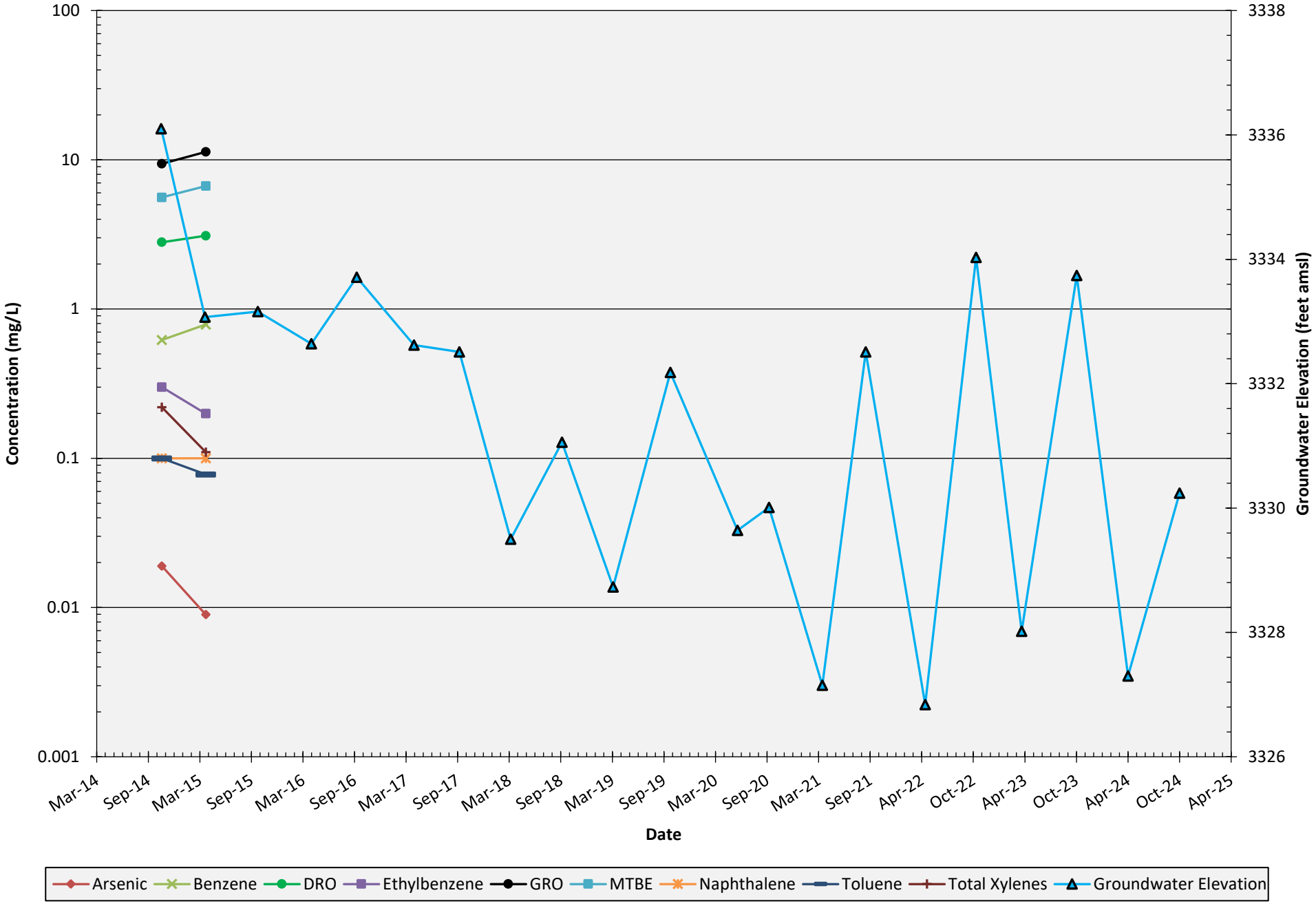
Field East of Refinery



MW-133: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

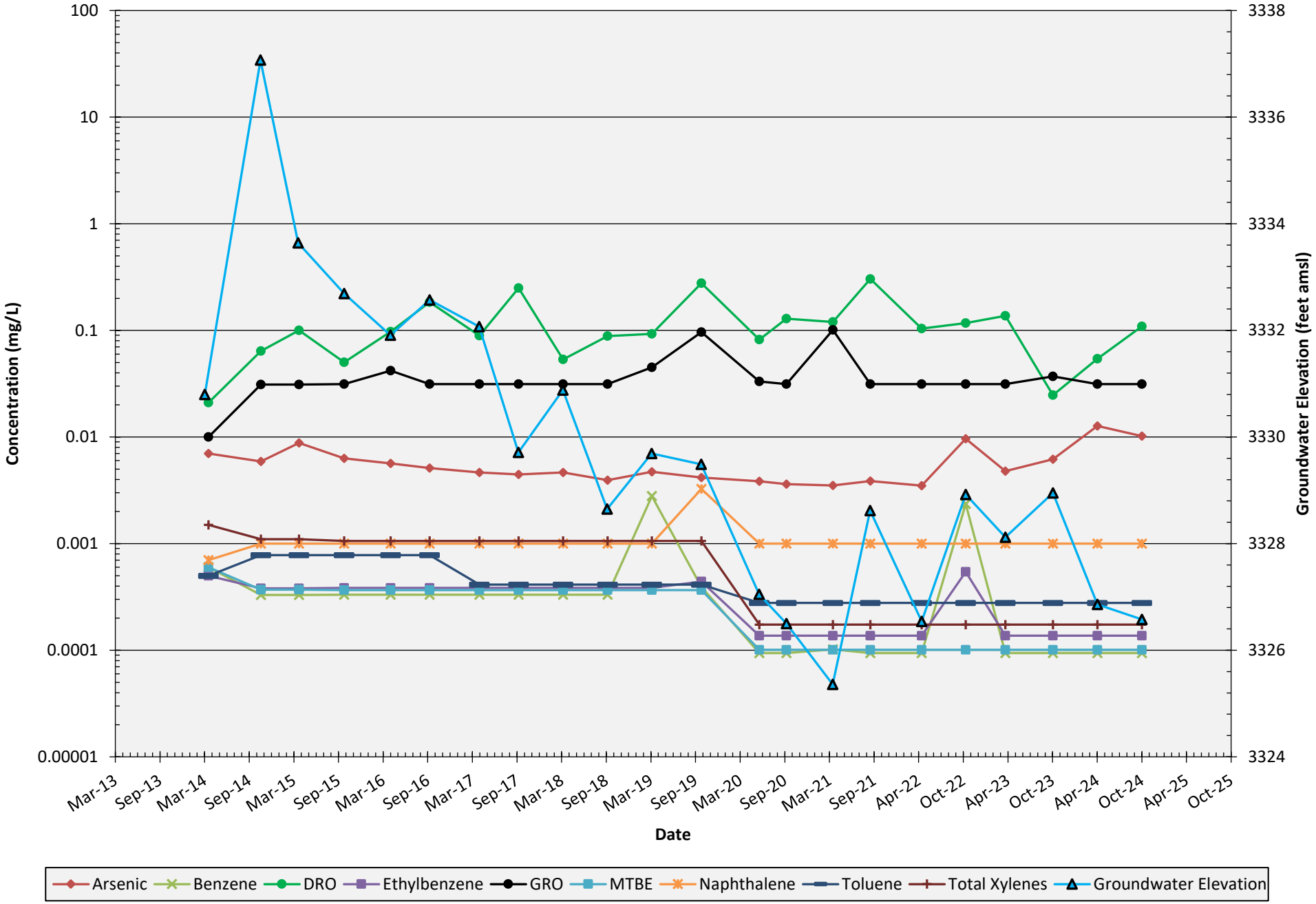
Field East of Refinery



MW-134: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

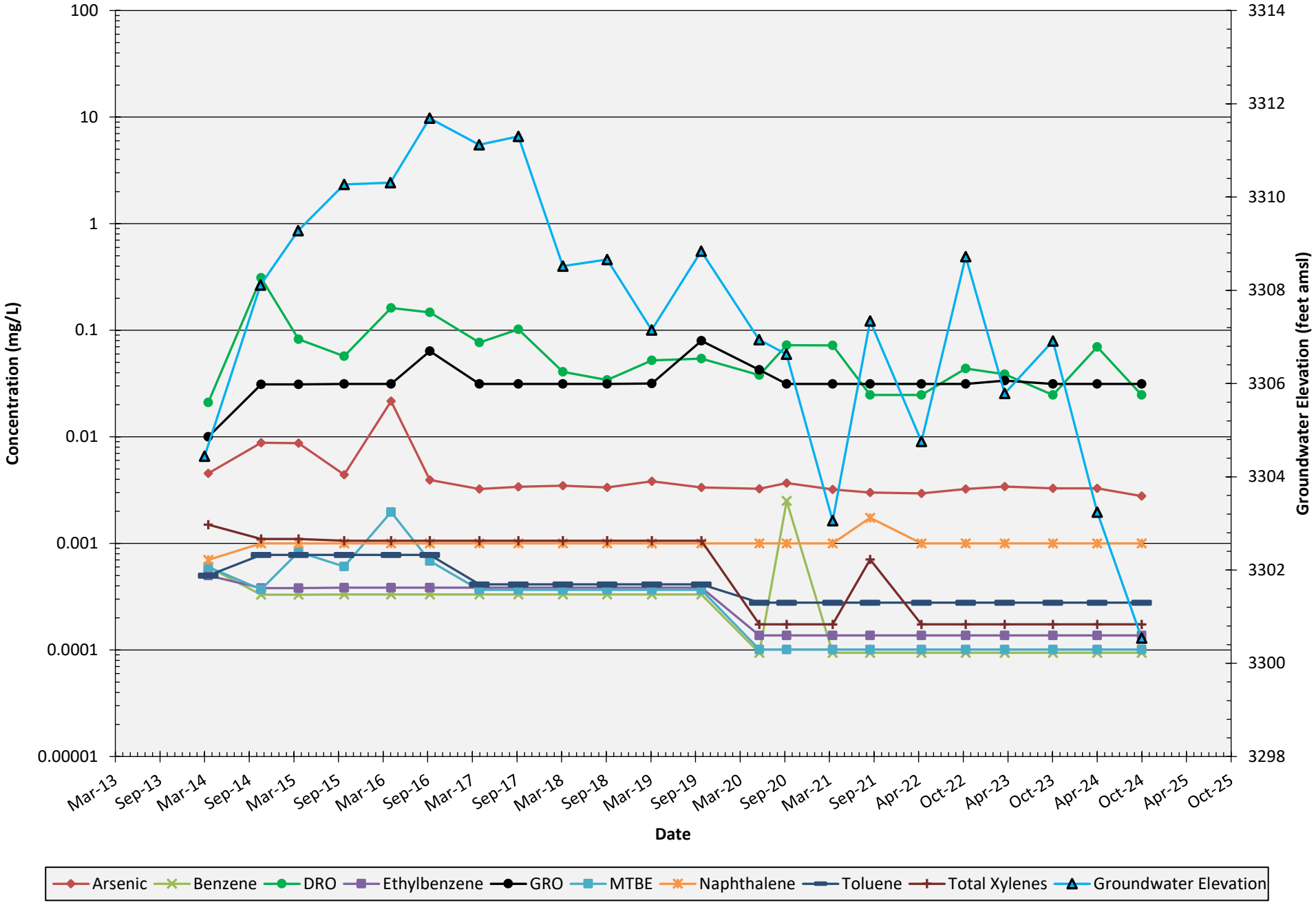
Field East of Refinery



MW-135: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

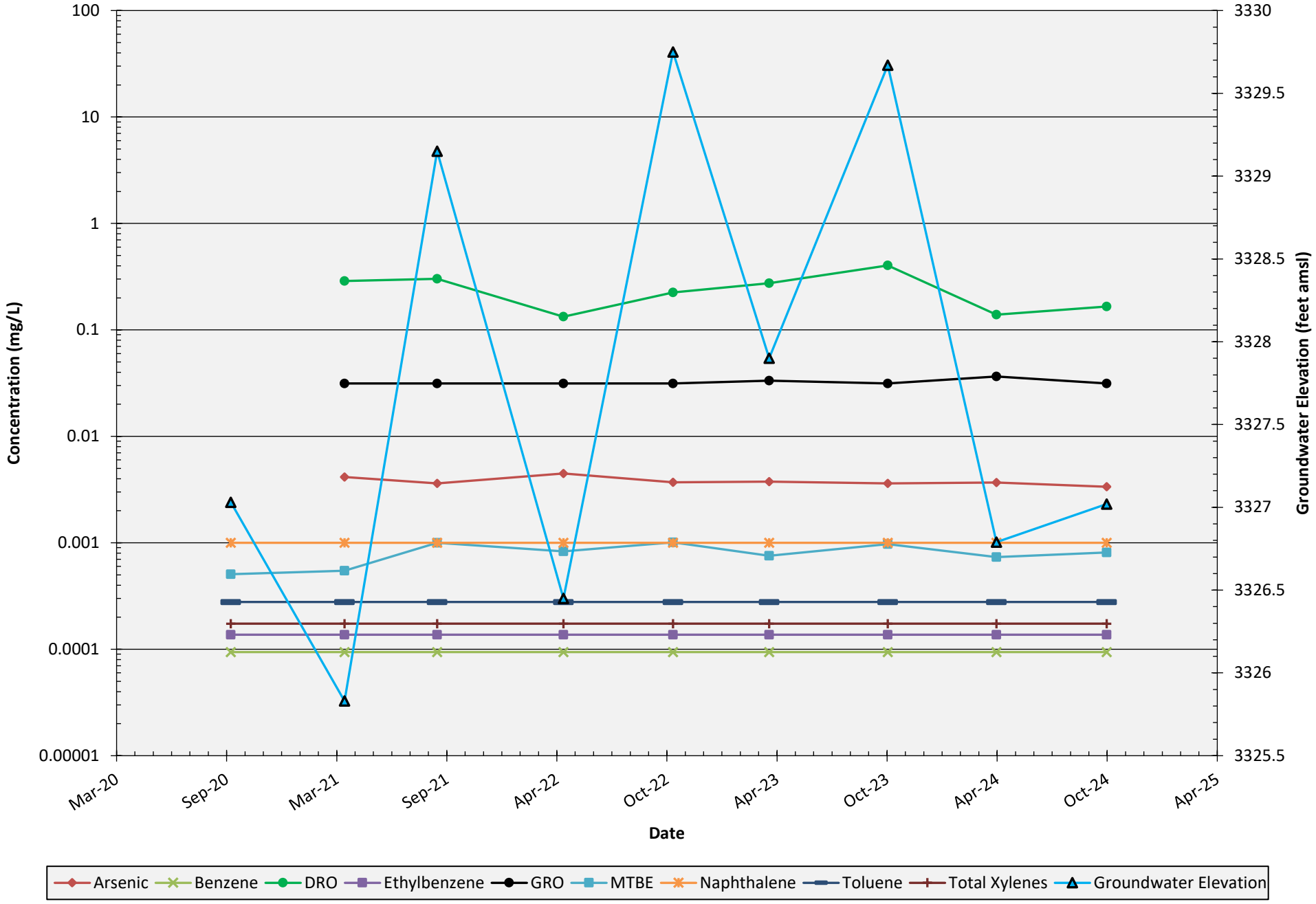
Field East of Refinery



MW-145: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

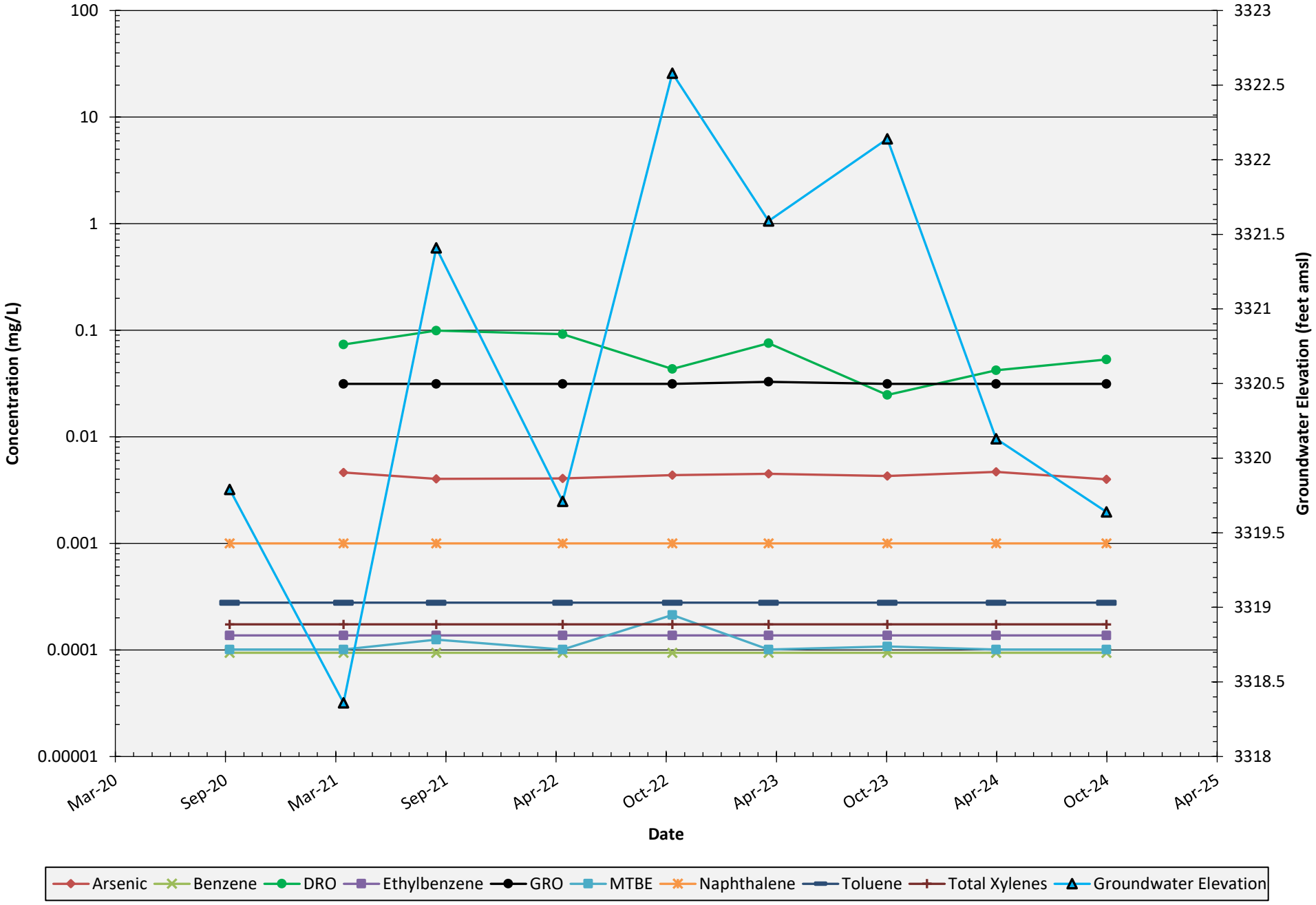
Field East of Refinery



MW-146: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

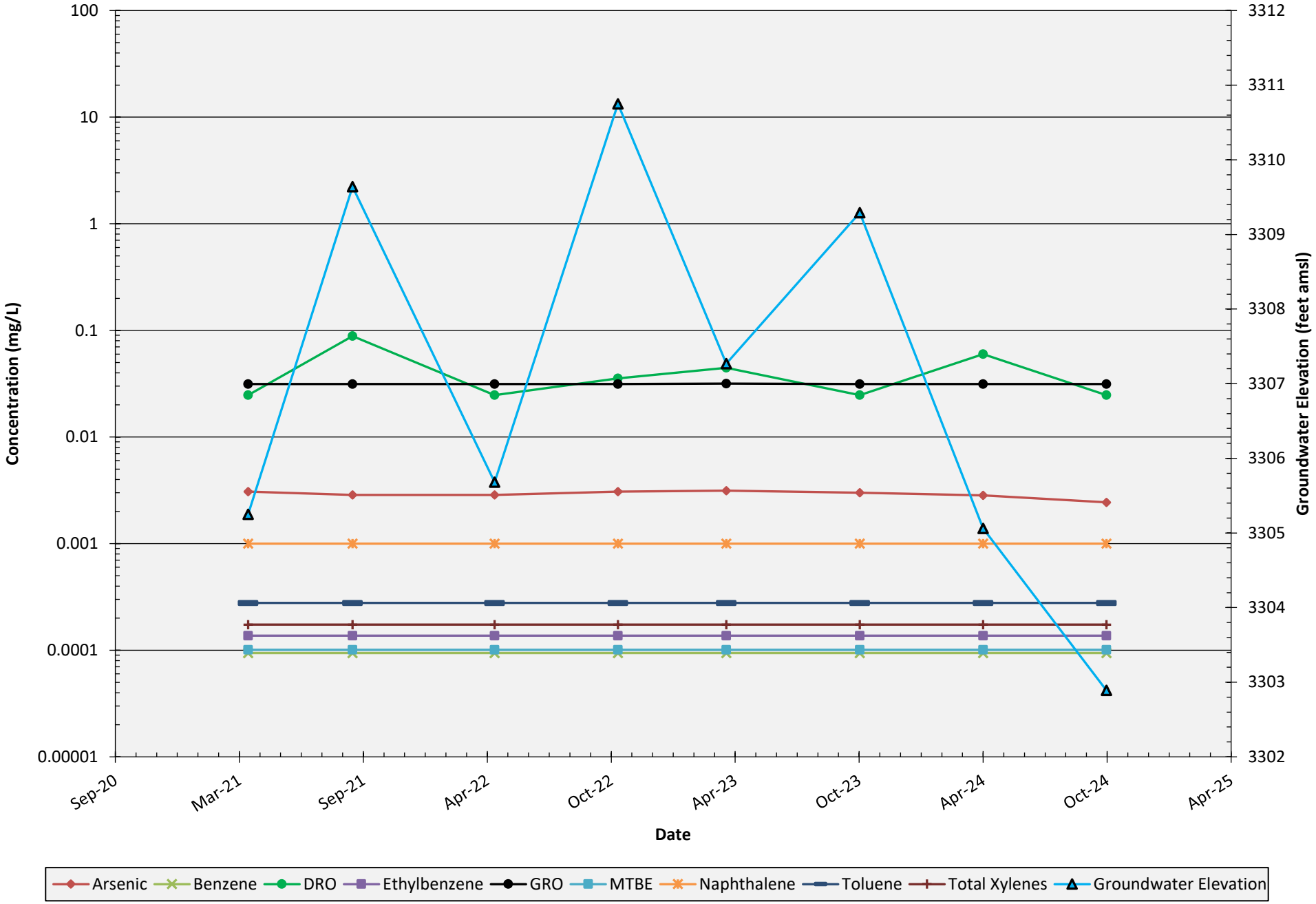
Field East of Refinery



MW-147: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

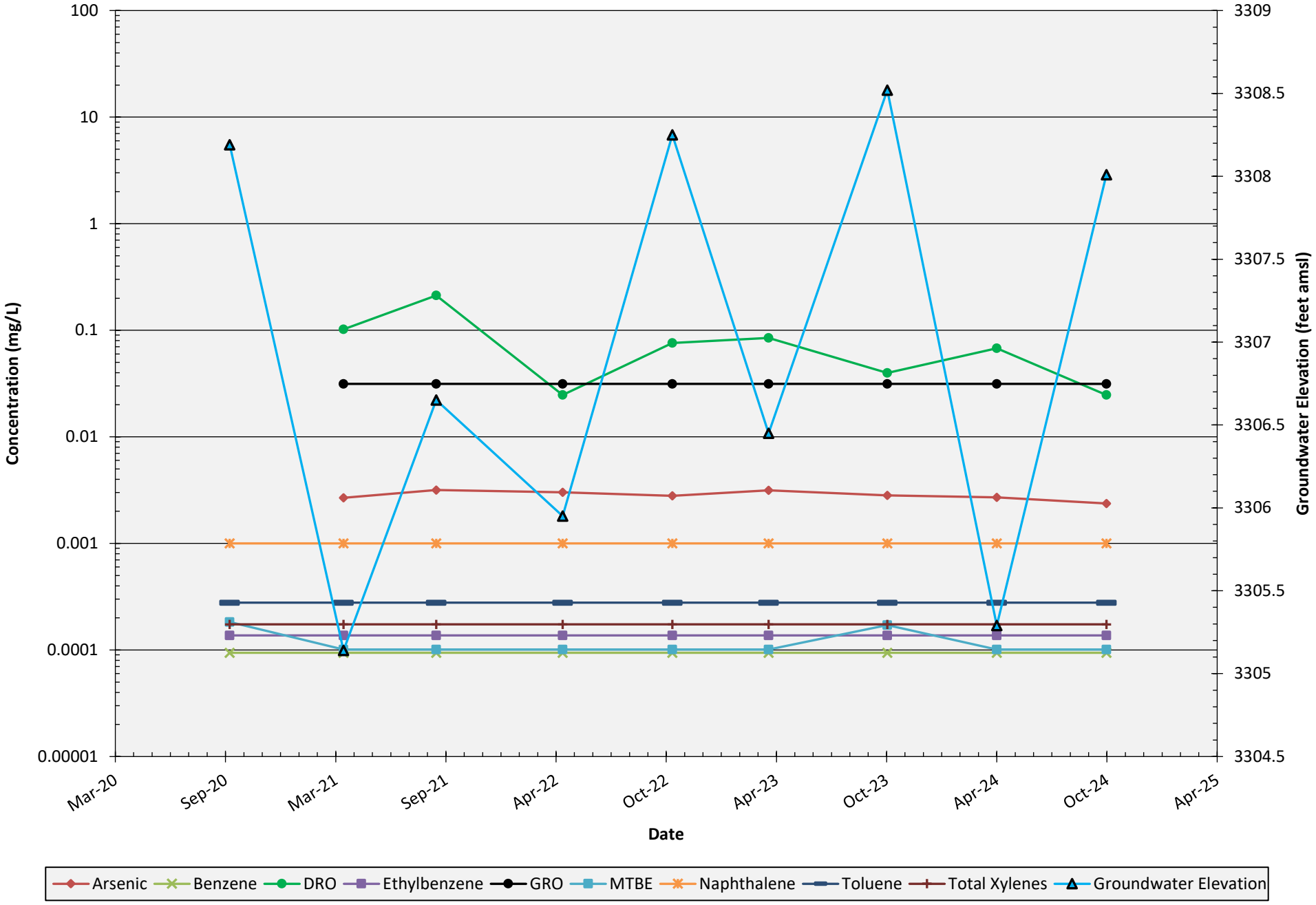
Field East of Refinery



MW-148: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

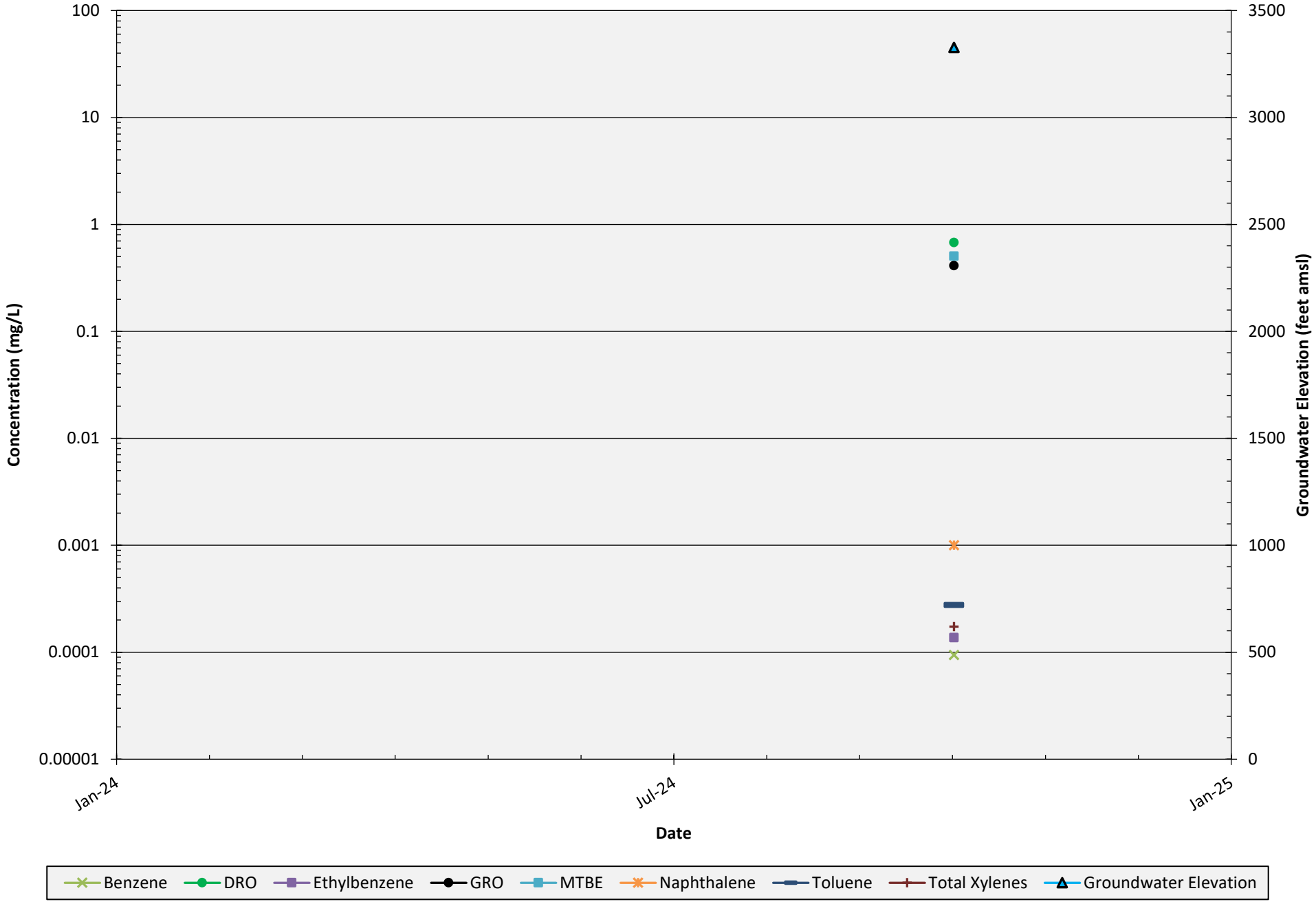
Field East of Refinery



MW-151: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

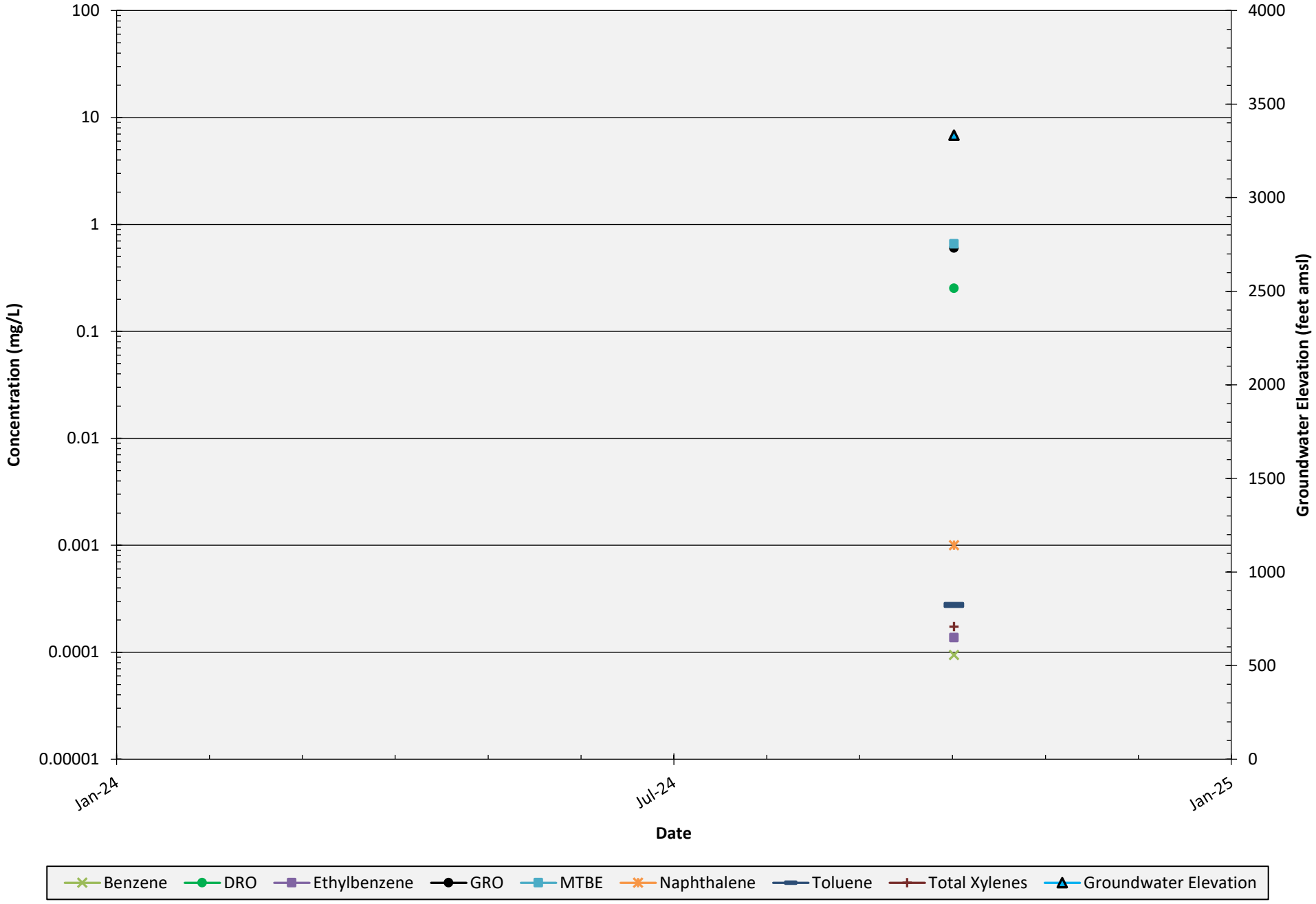
Field East of Refinery



MW-160: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

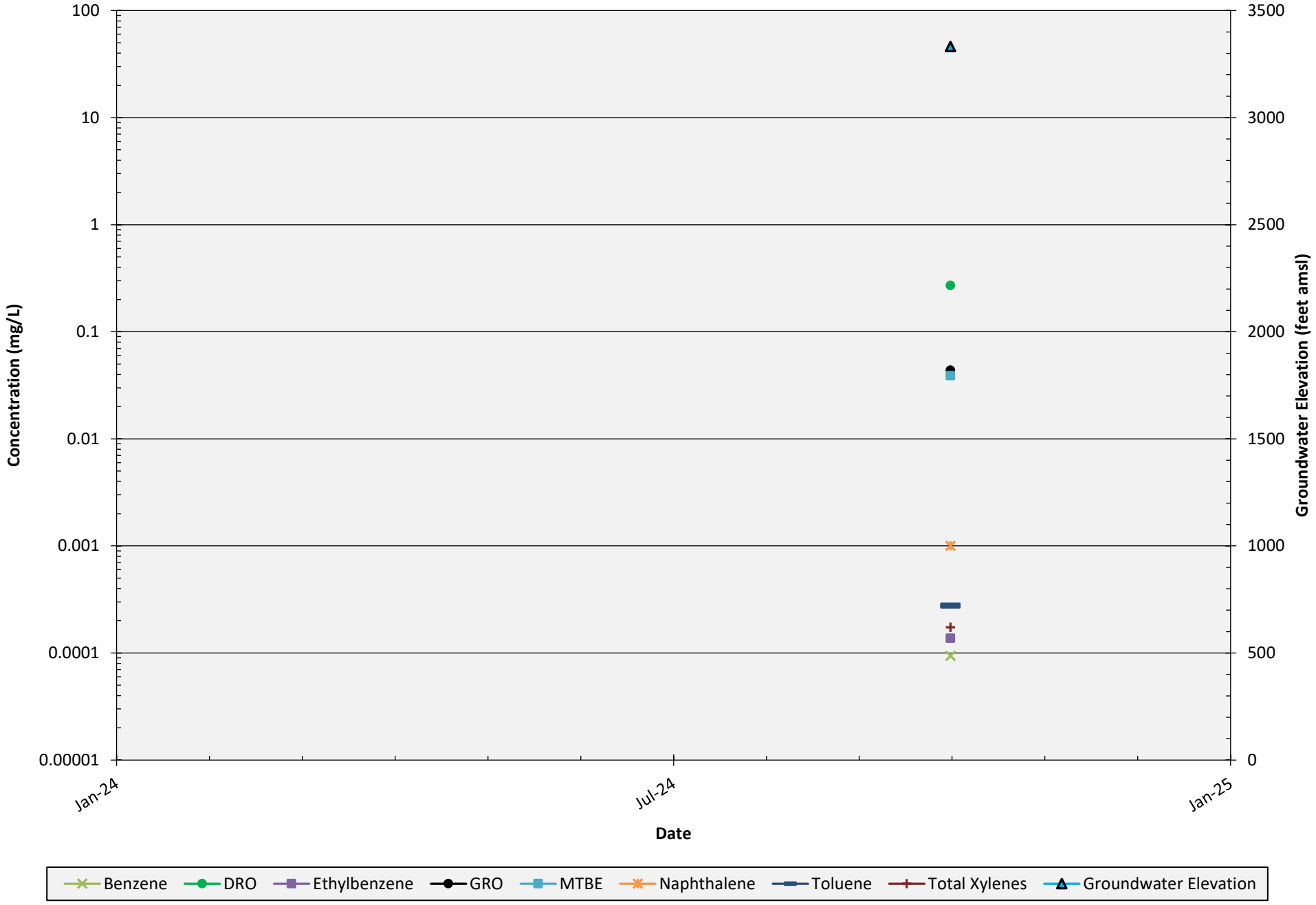
Field East of Refinery



MW-161: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

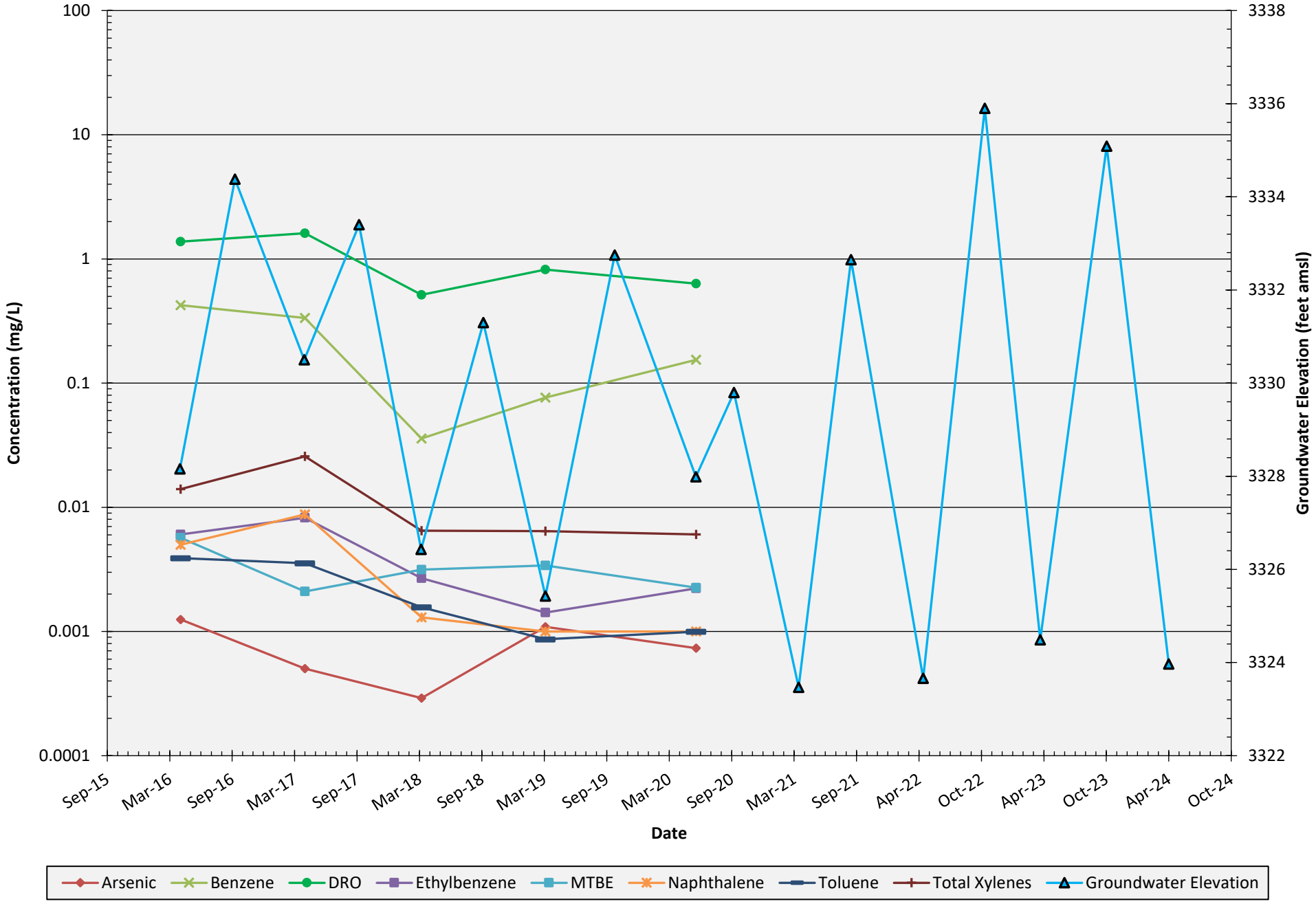
Field East of Refinery



RW-12R: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

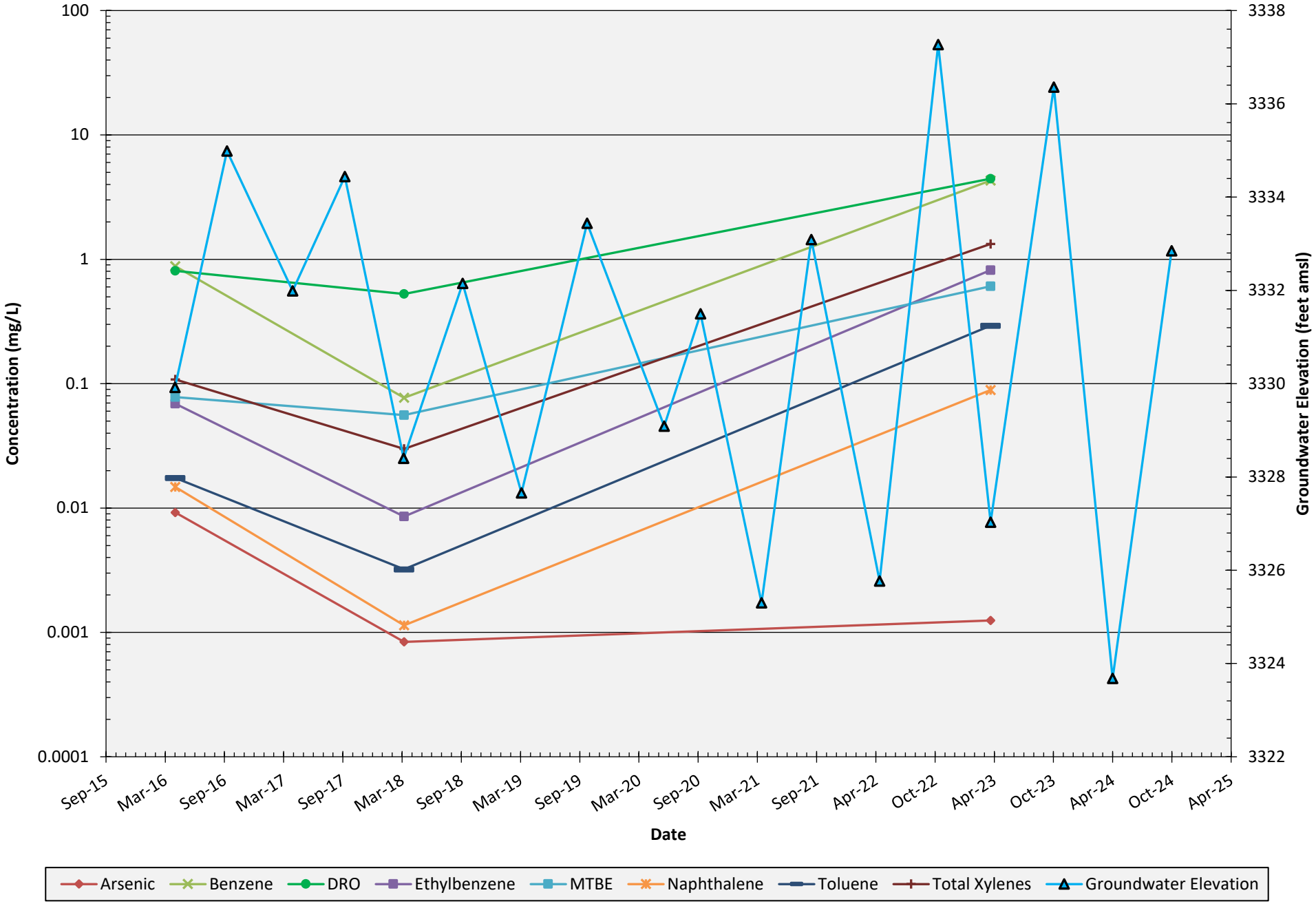
Field East of Refinery



RW-13R: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

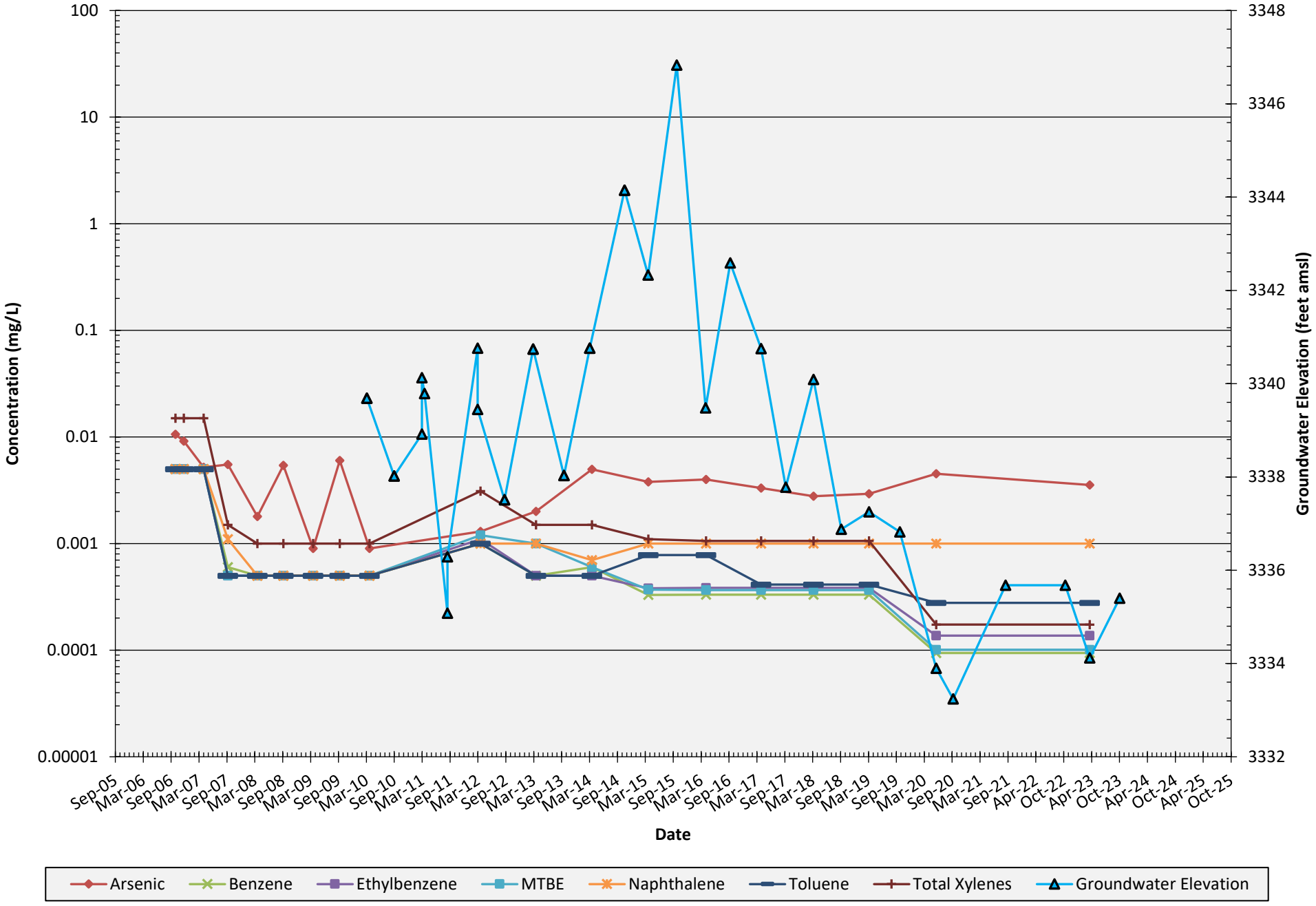
Field East of Refinery



RW-18: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

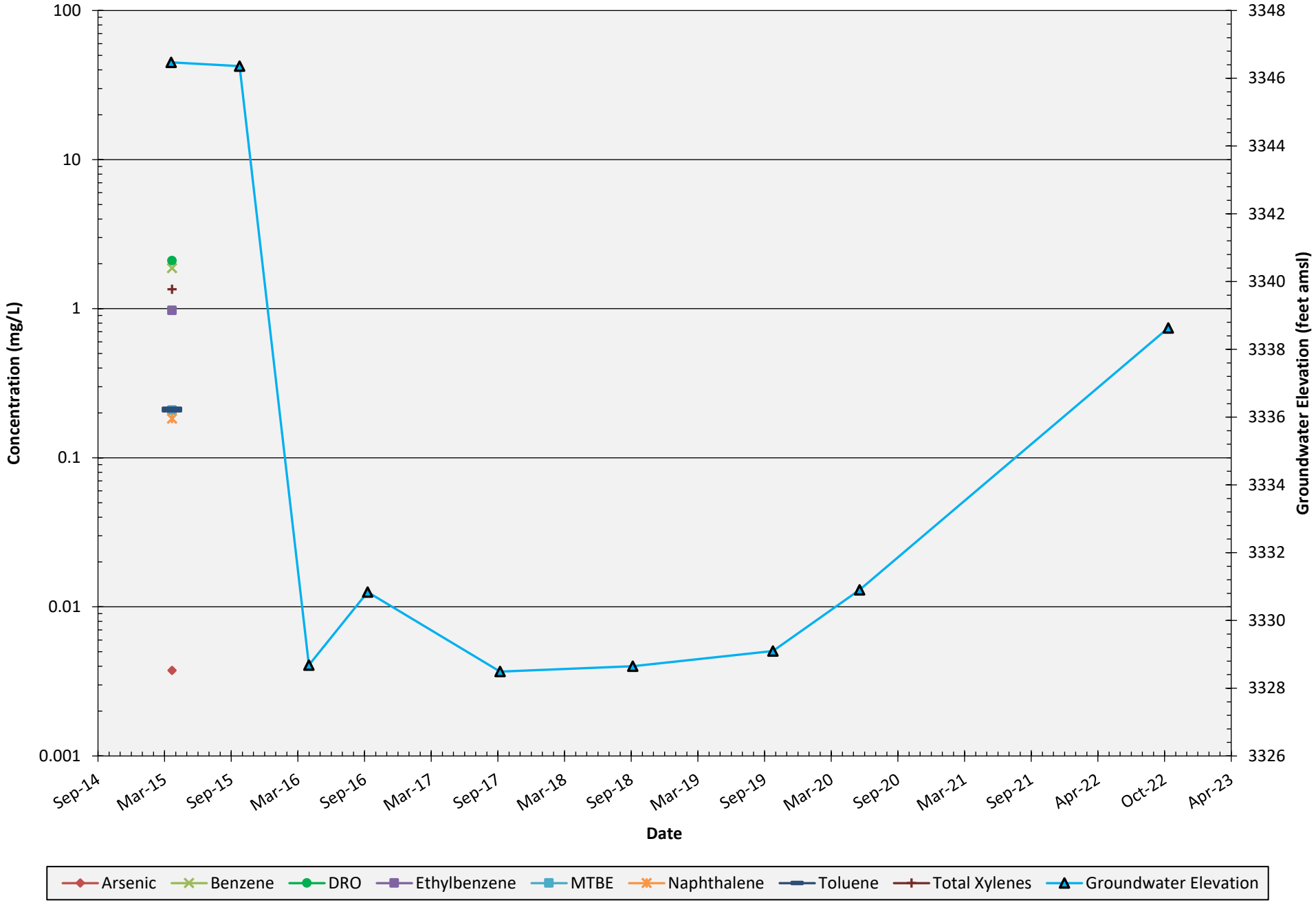
Field East of Refinery



RW-20: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

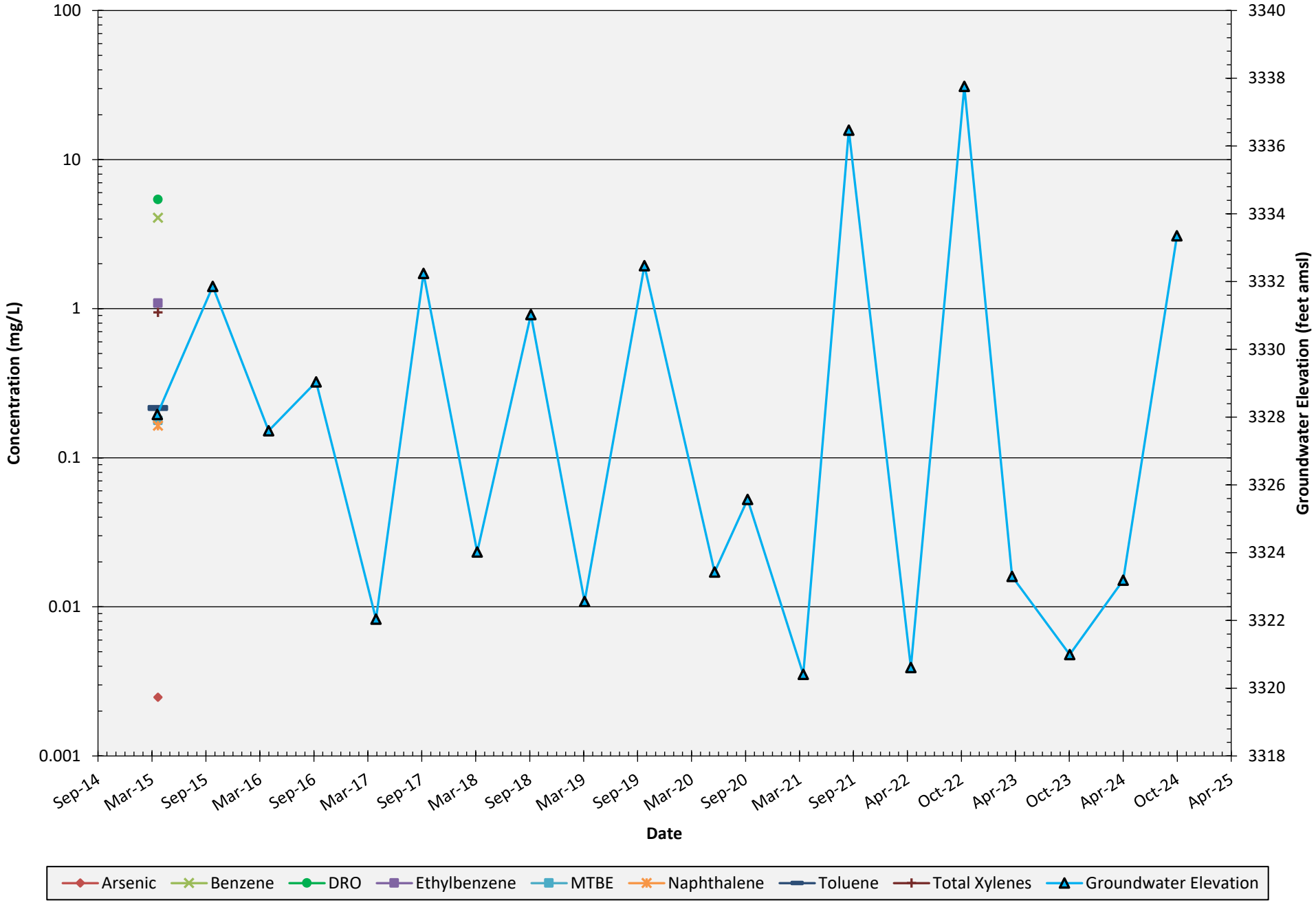
Field East of Refinery



RW-22: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

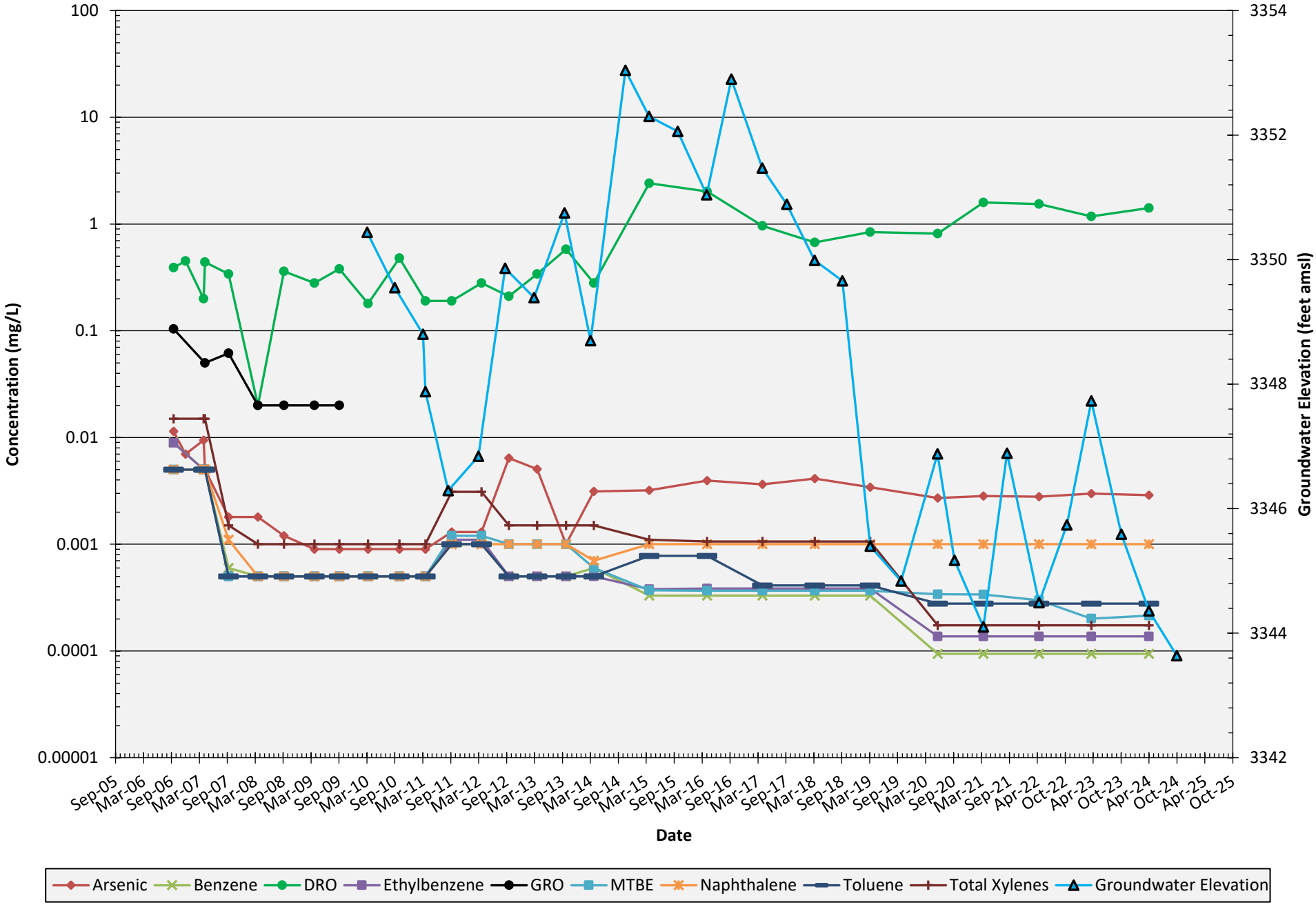
Field East of Refinery



MW-18: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

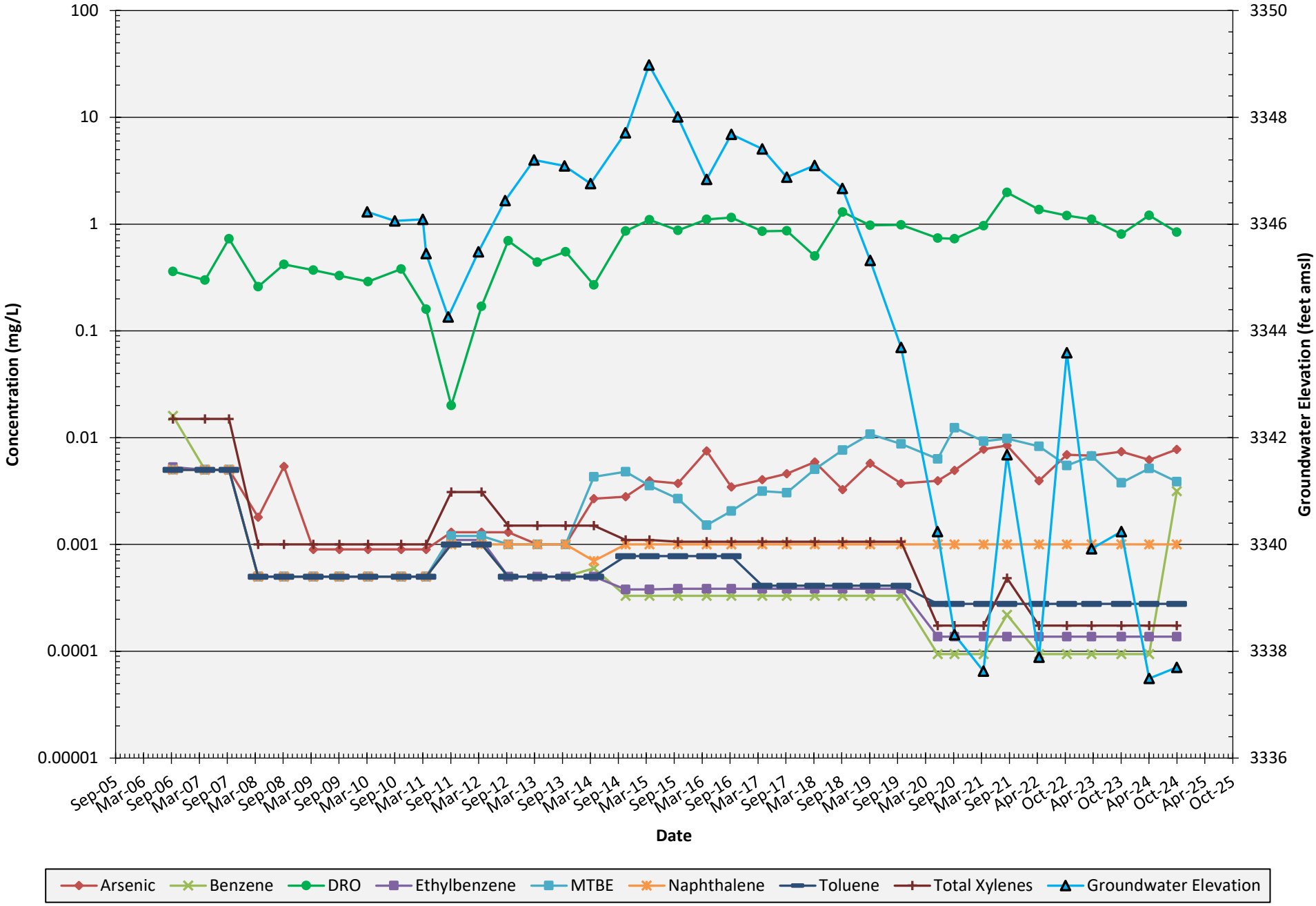
North Colony Landfarm



MW-45: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

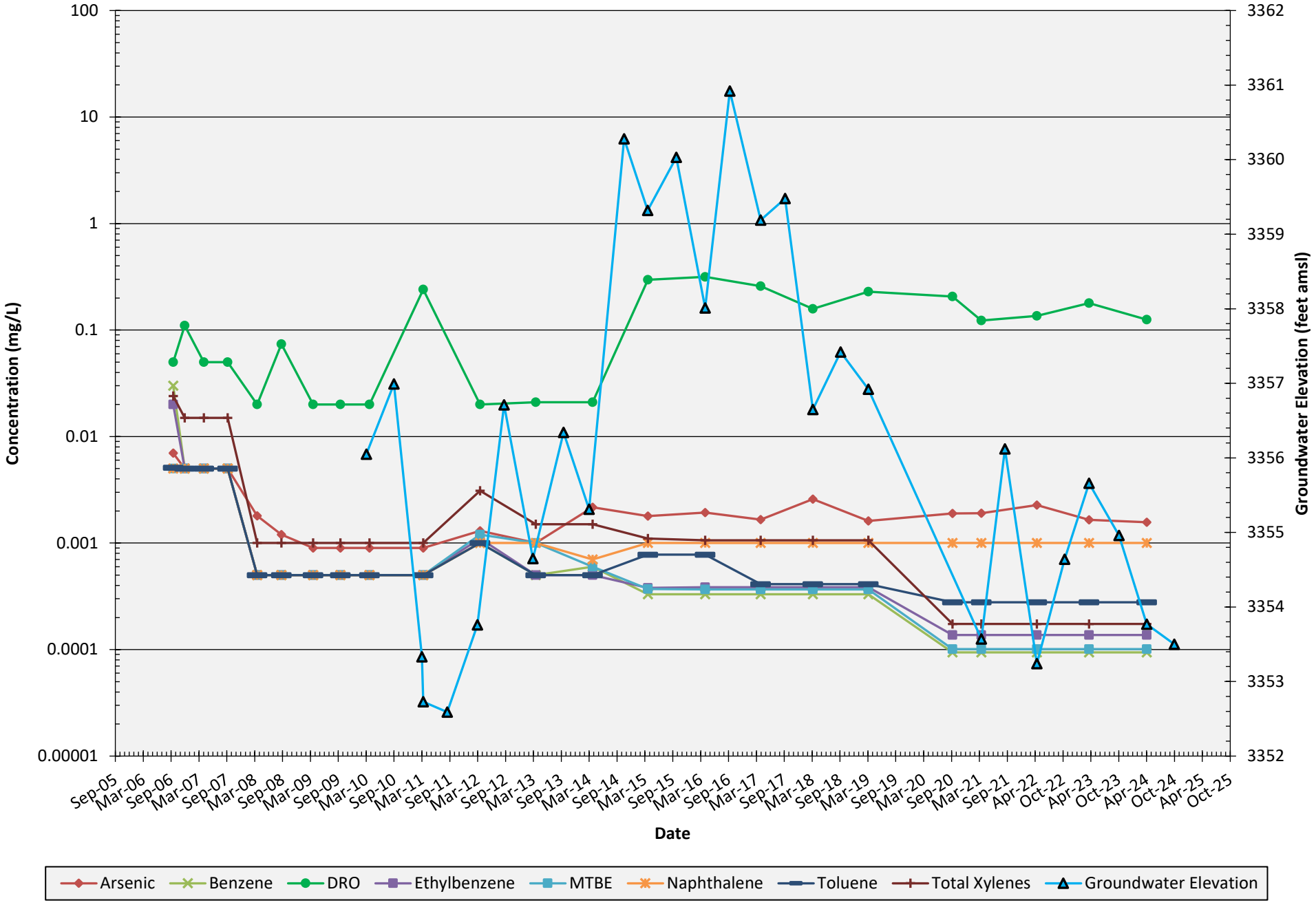
North Colony Landfarm



MW-53 & MW-53R: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

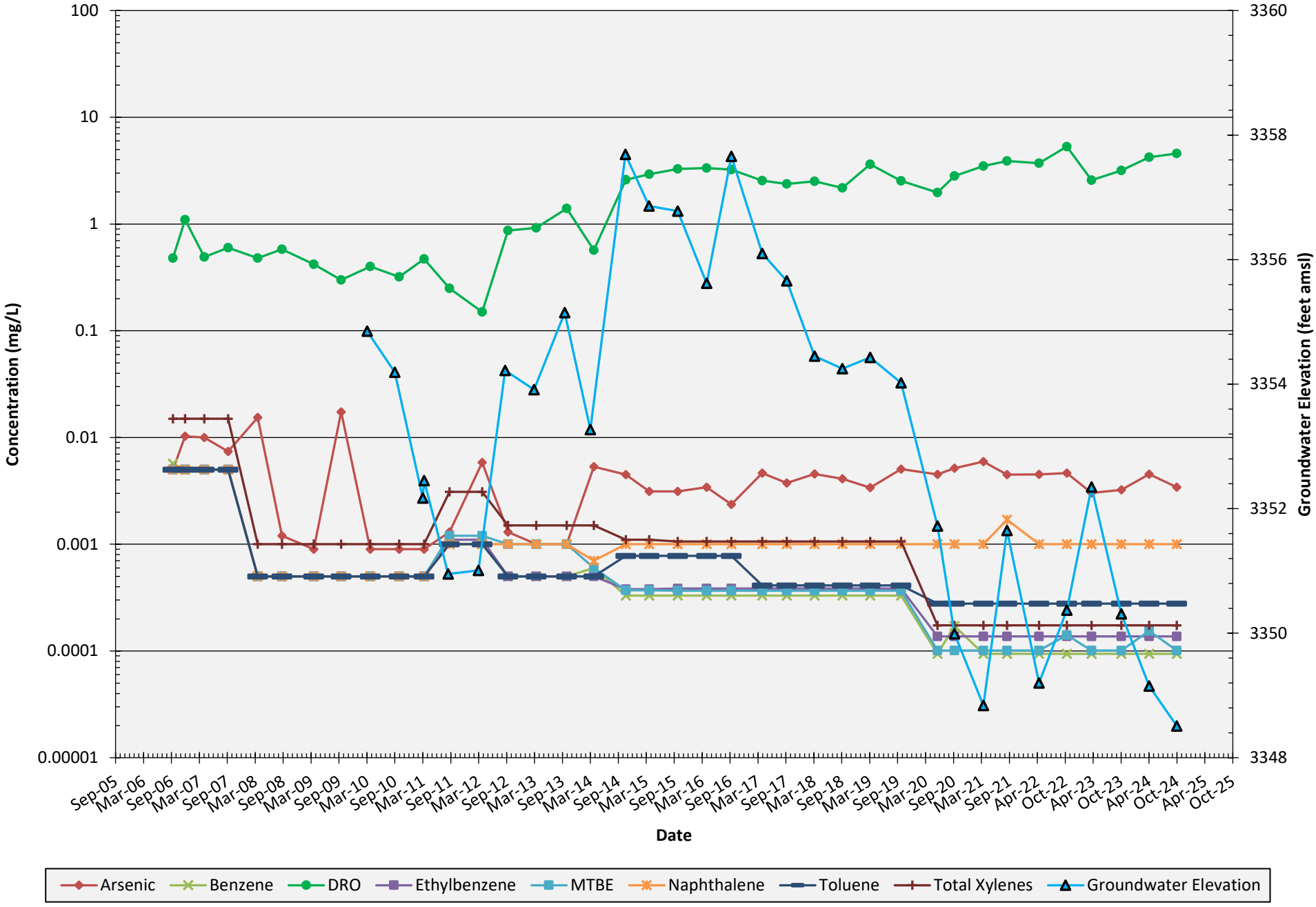
North Colony Landfarm



MW-54A: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

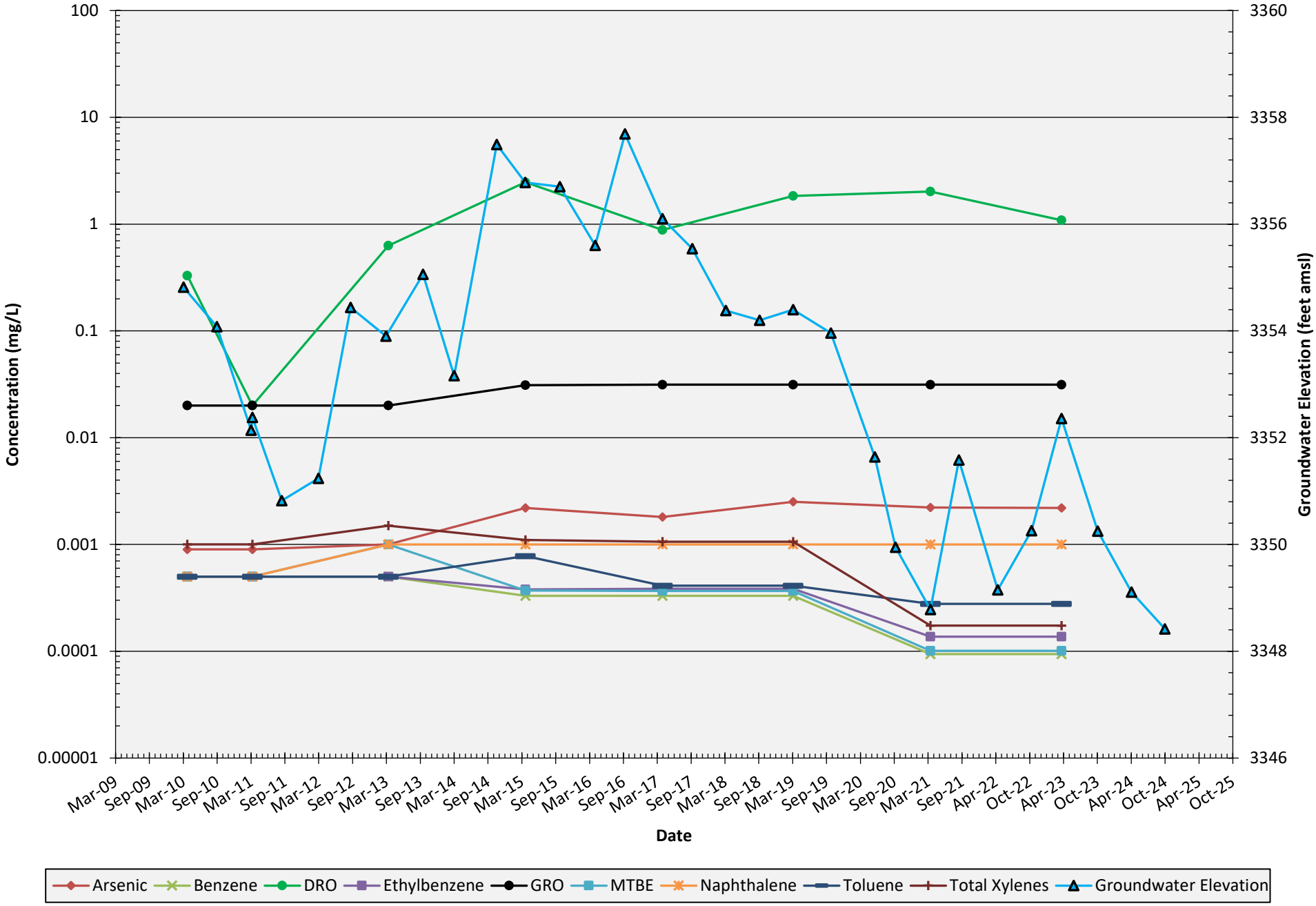
North Colony Landfarm



MW-54B: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

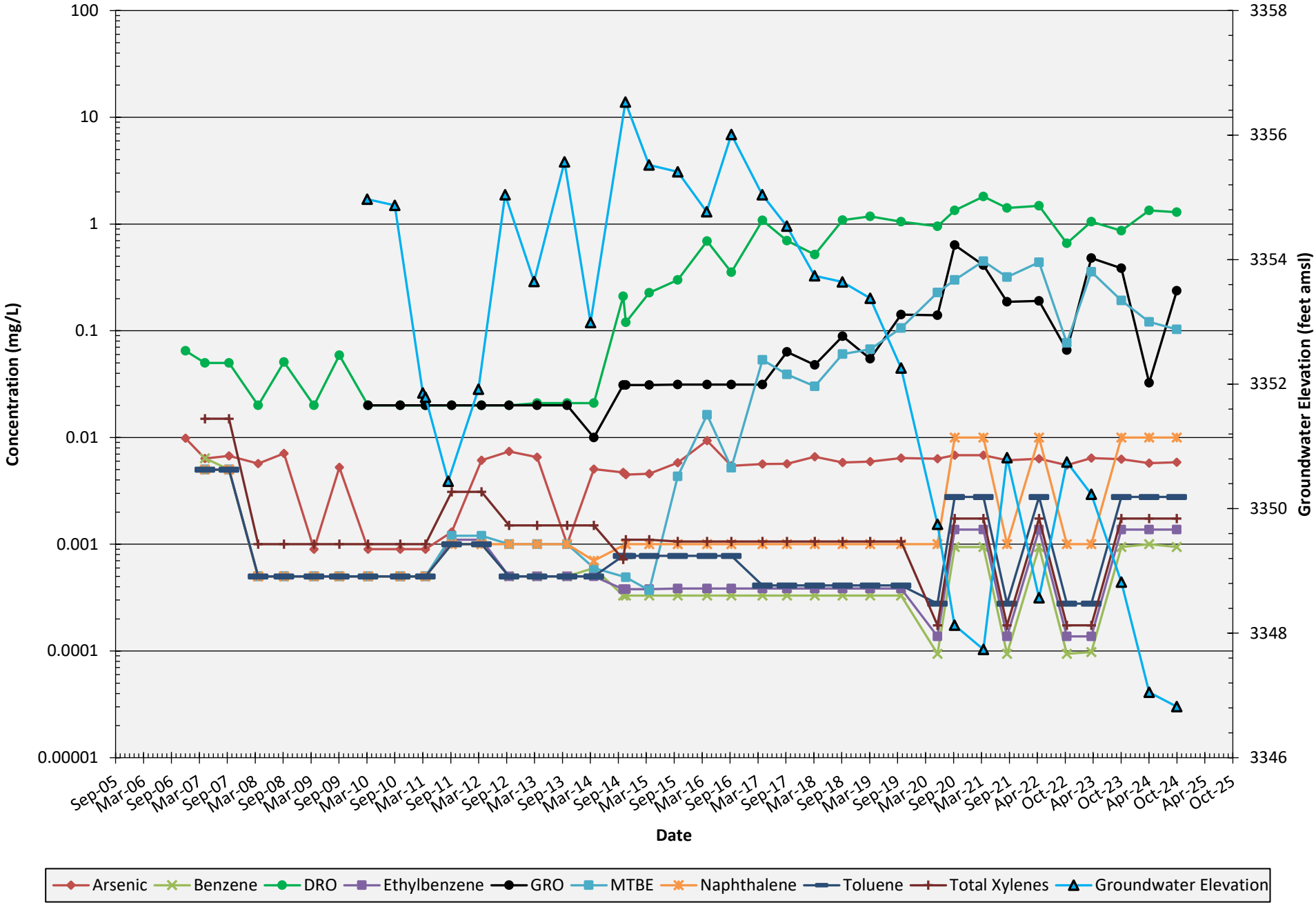
North Colony Landfarm



MW-55: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

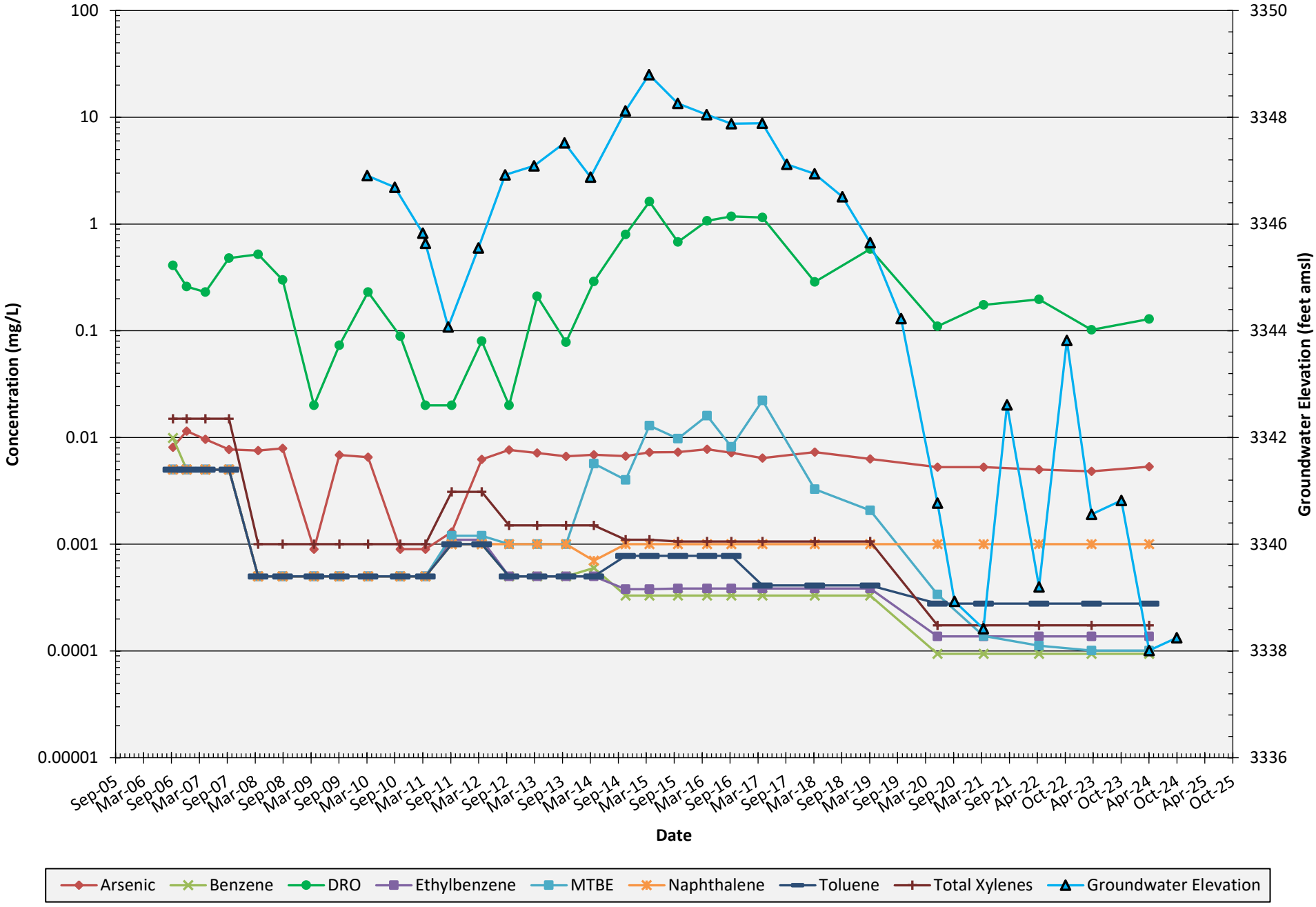
North Colony Landfarm



MW-56: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

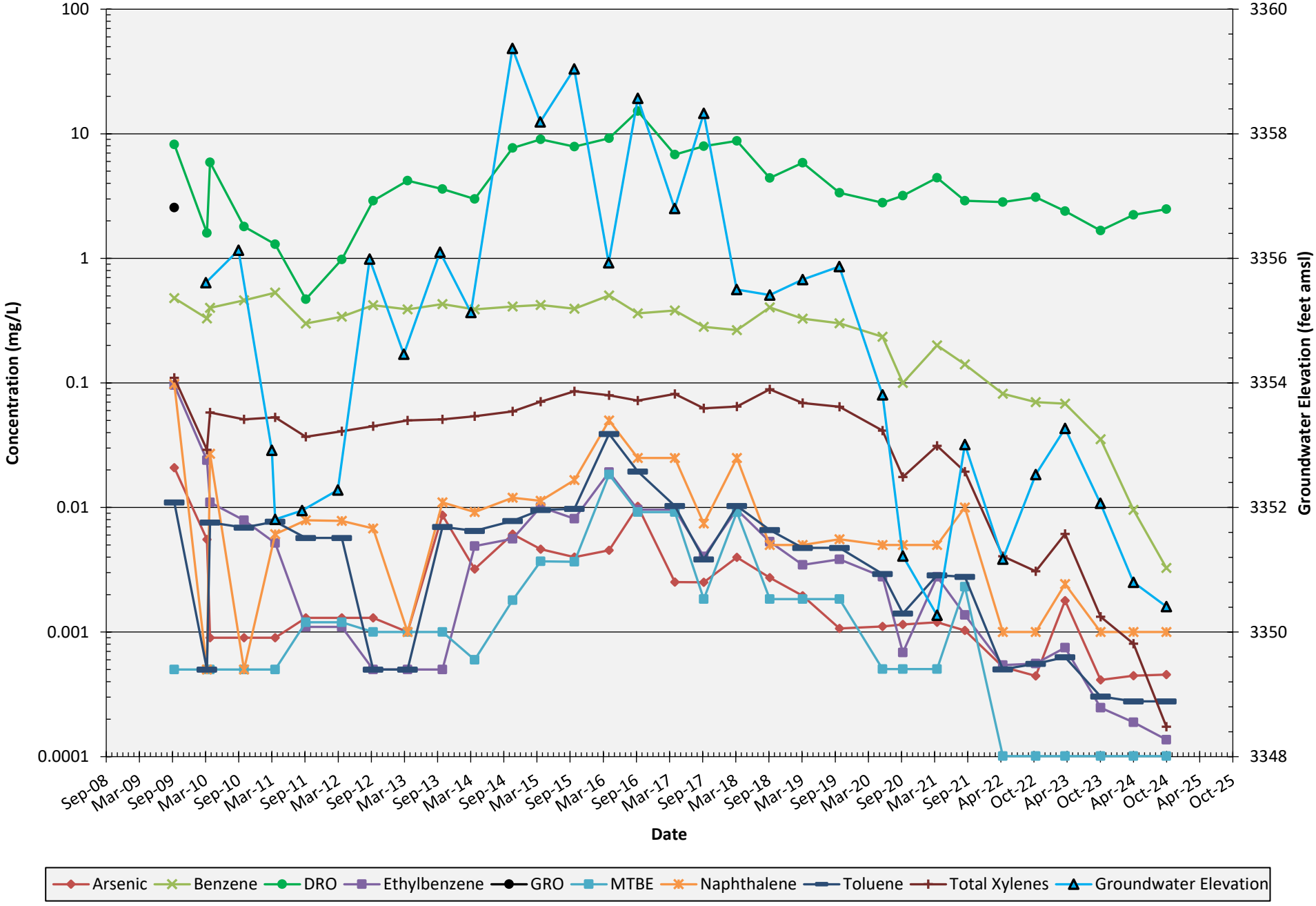
North Colony Landfarm



MW-108: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

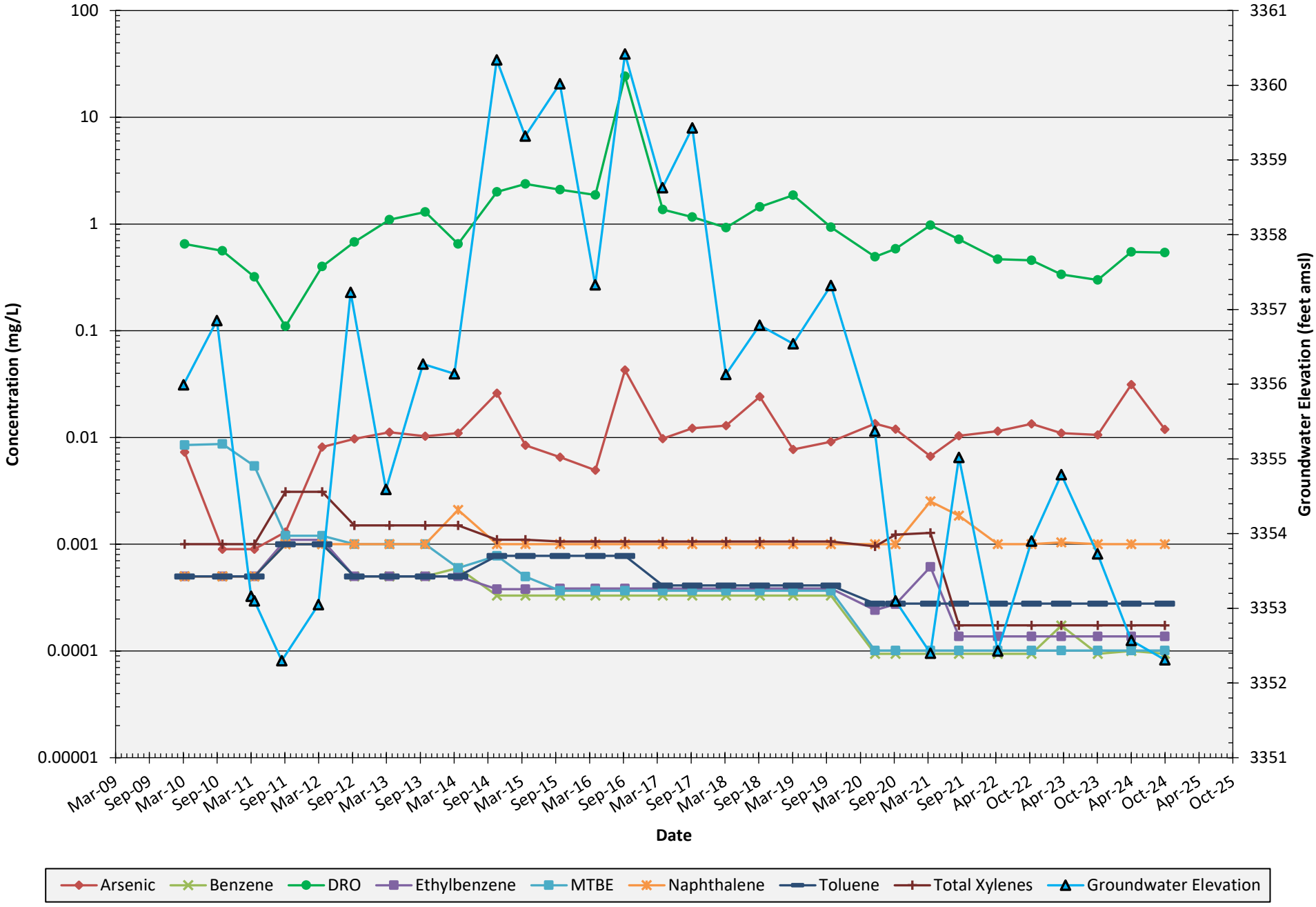
North Colony Landfarm



NCL-31: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

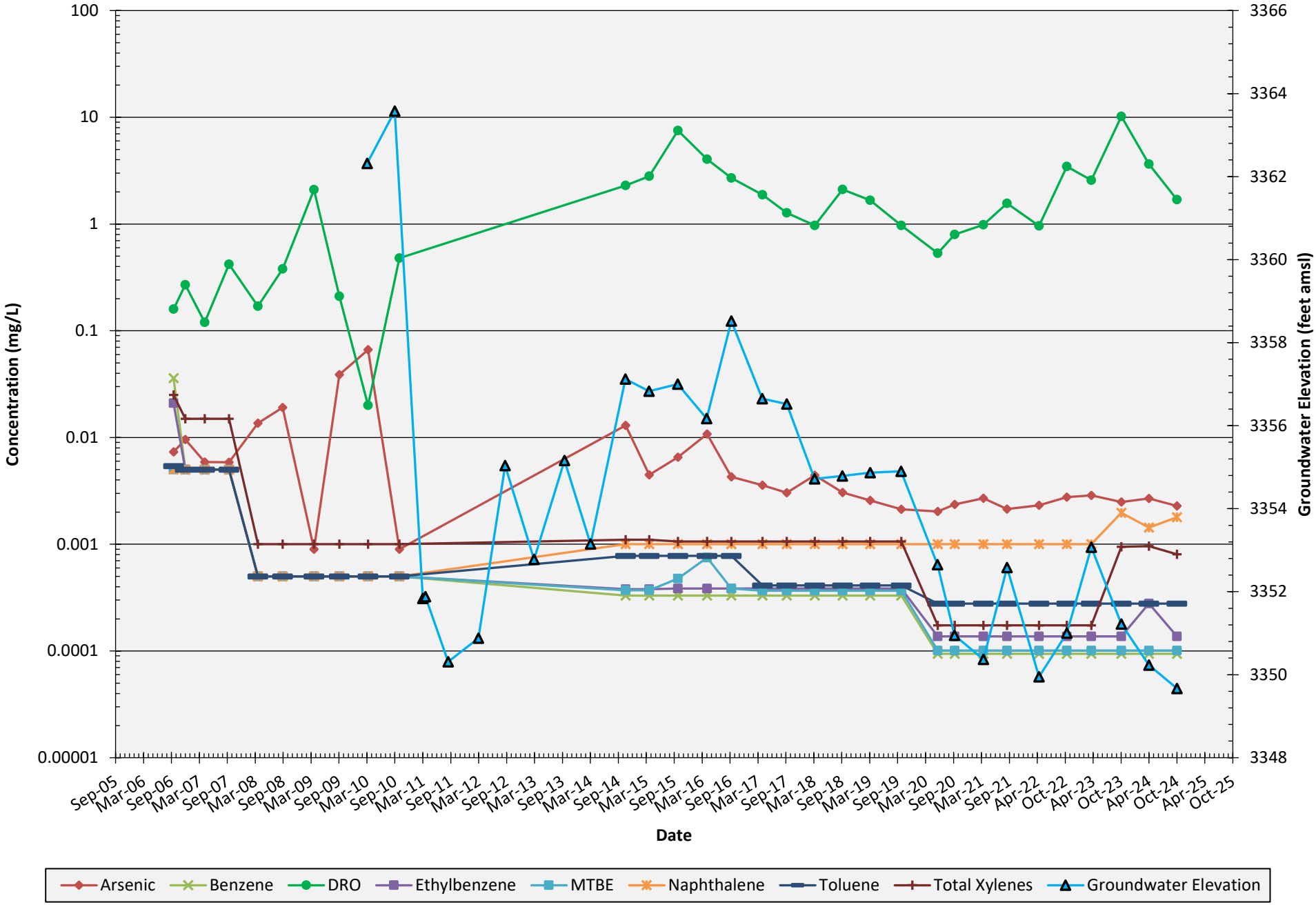
North Colony Landfarm



NCL-32: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

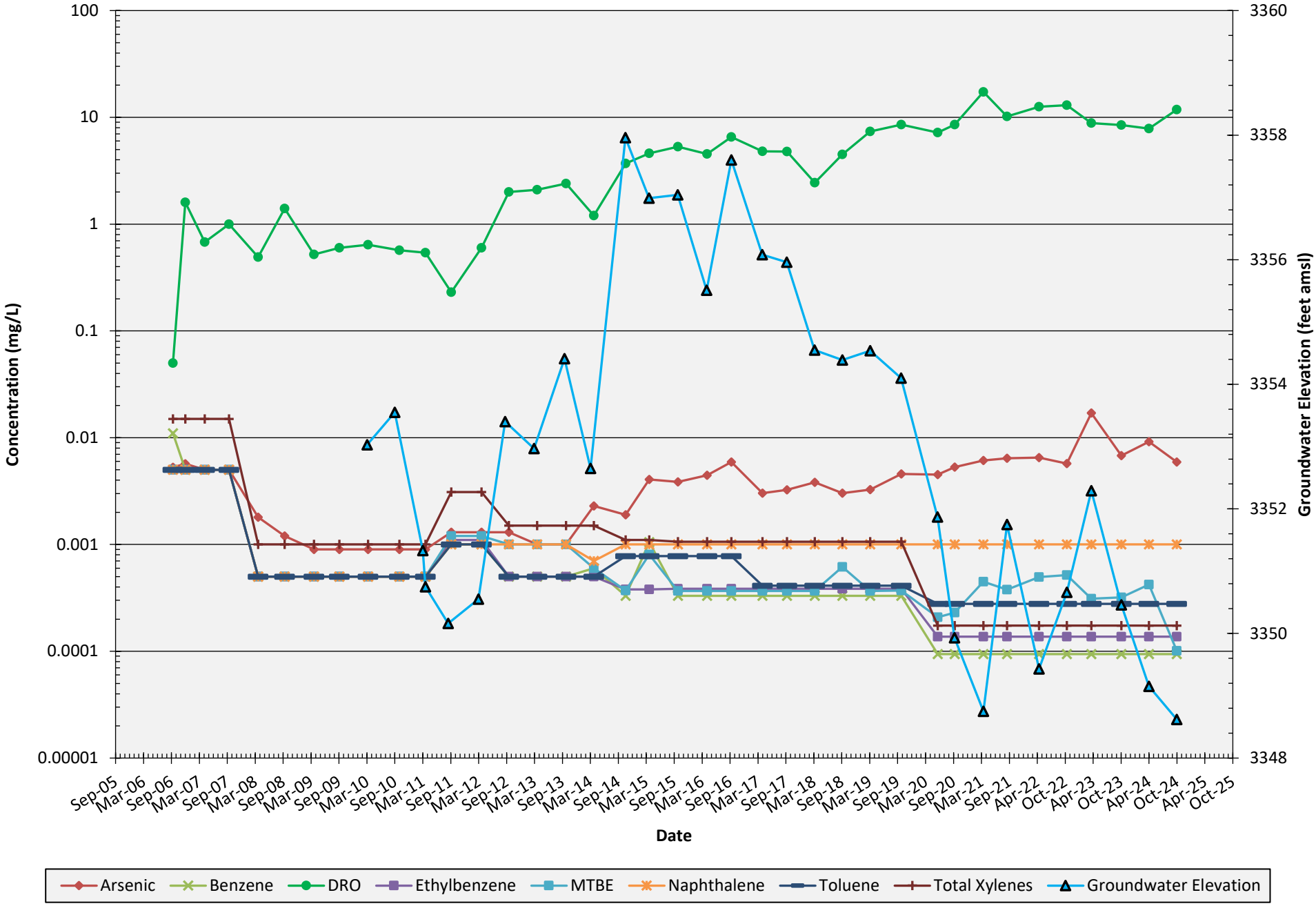
North Colony Landfarm



NCL-33: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

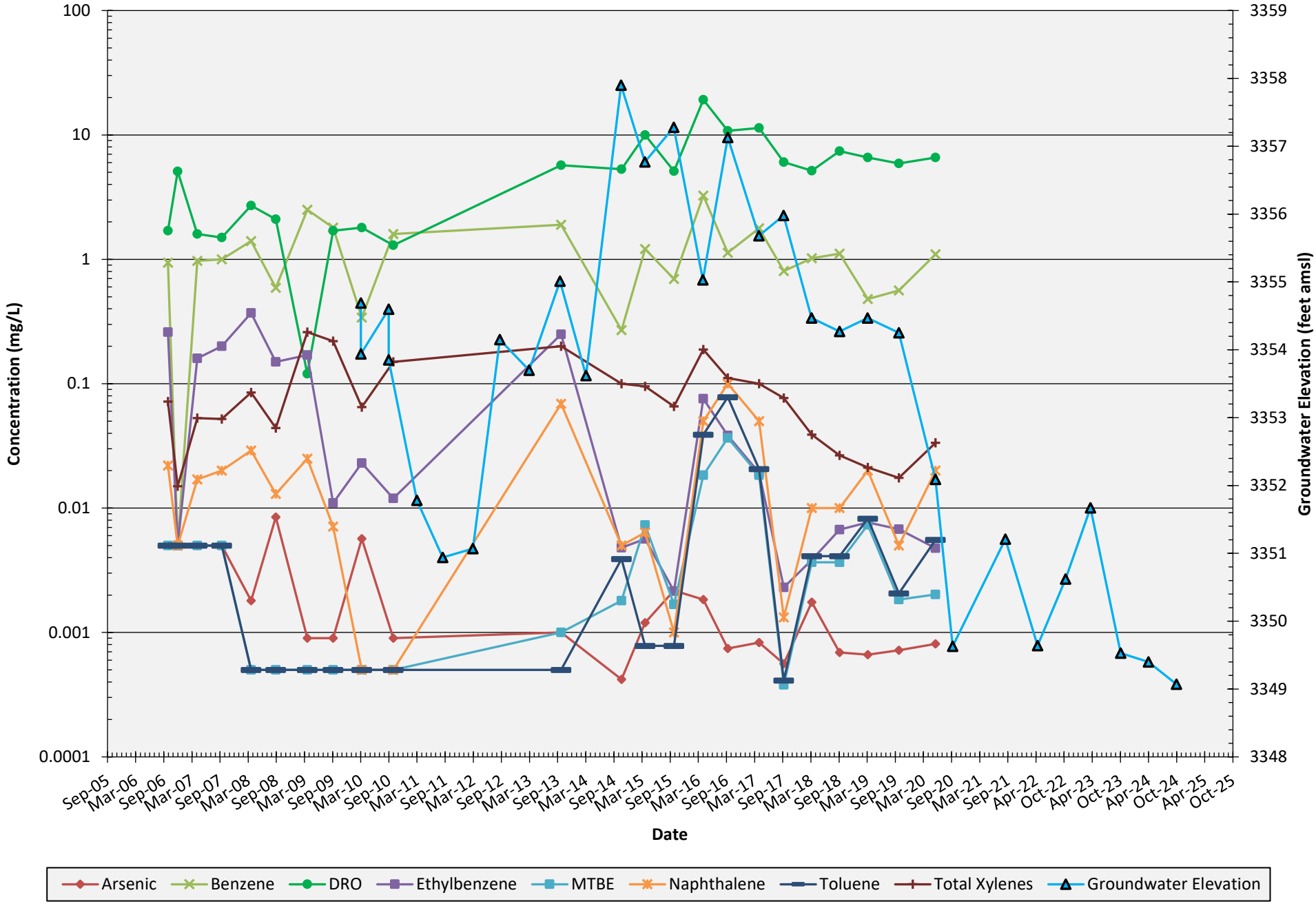
North Colony Landfarm



NCL-34: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

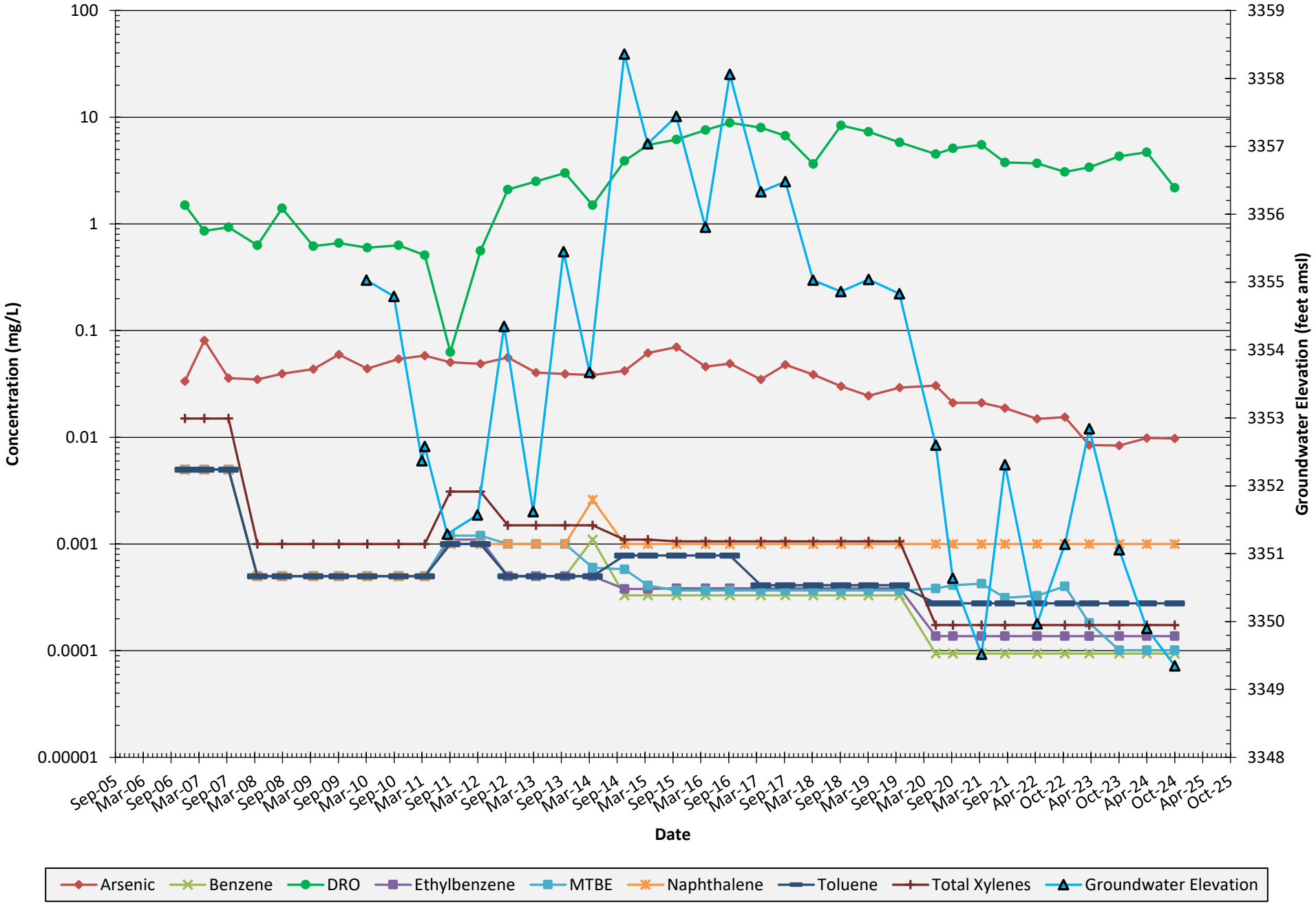
North Colony Landfarm



NCL-44: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

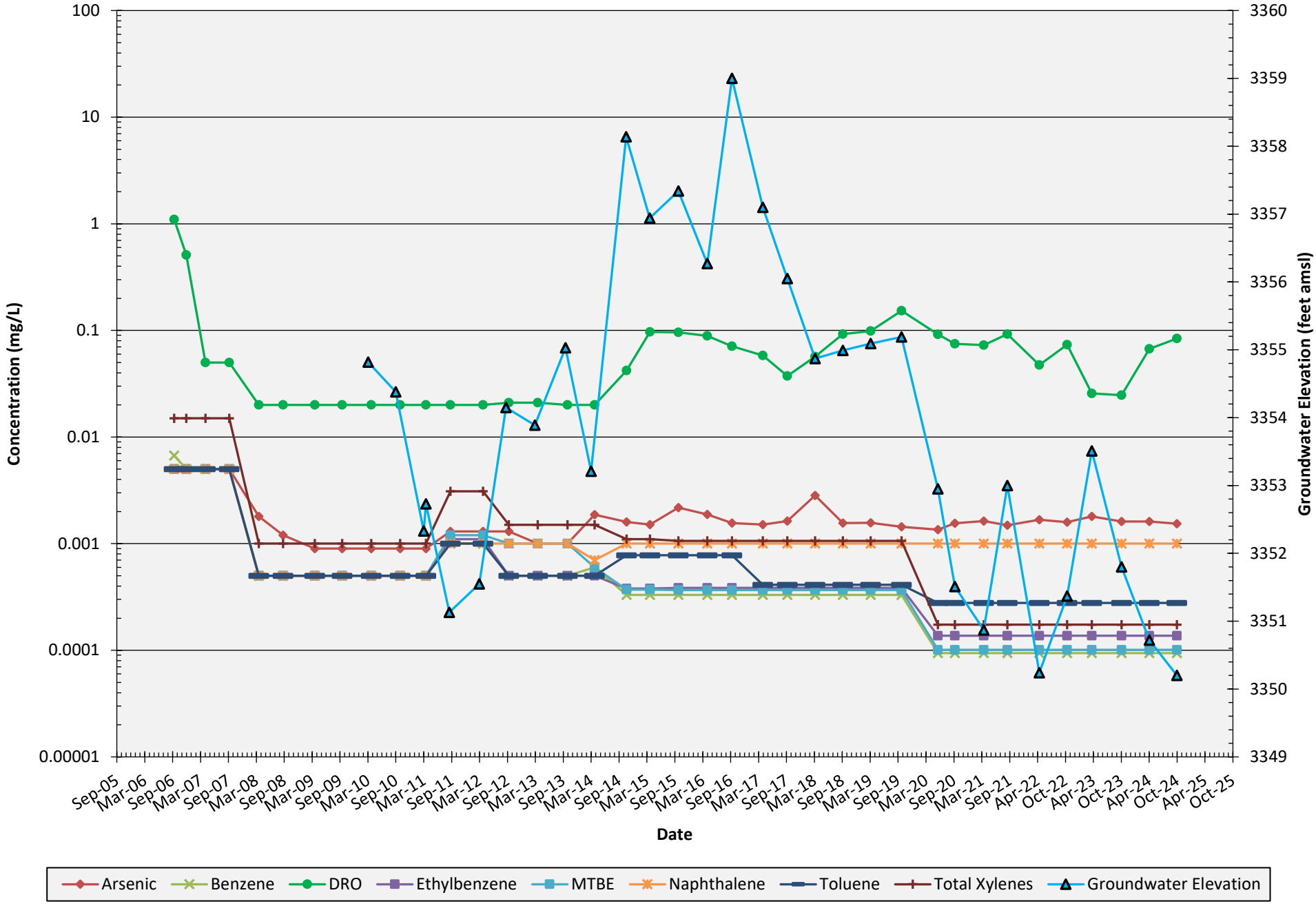
North Colony Landfarm



NCL-49: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

North Colony Landfarm



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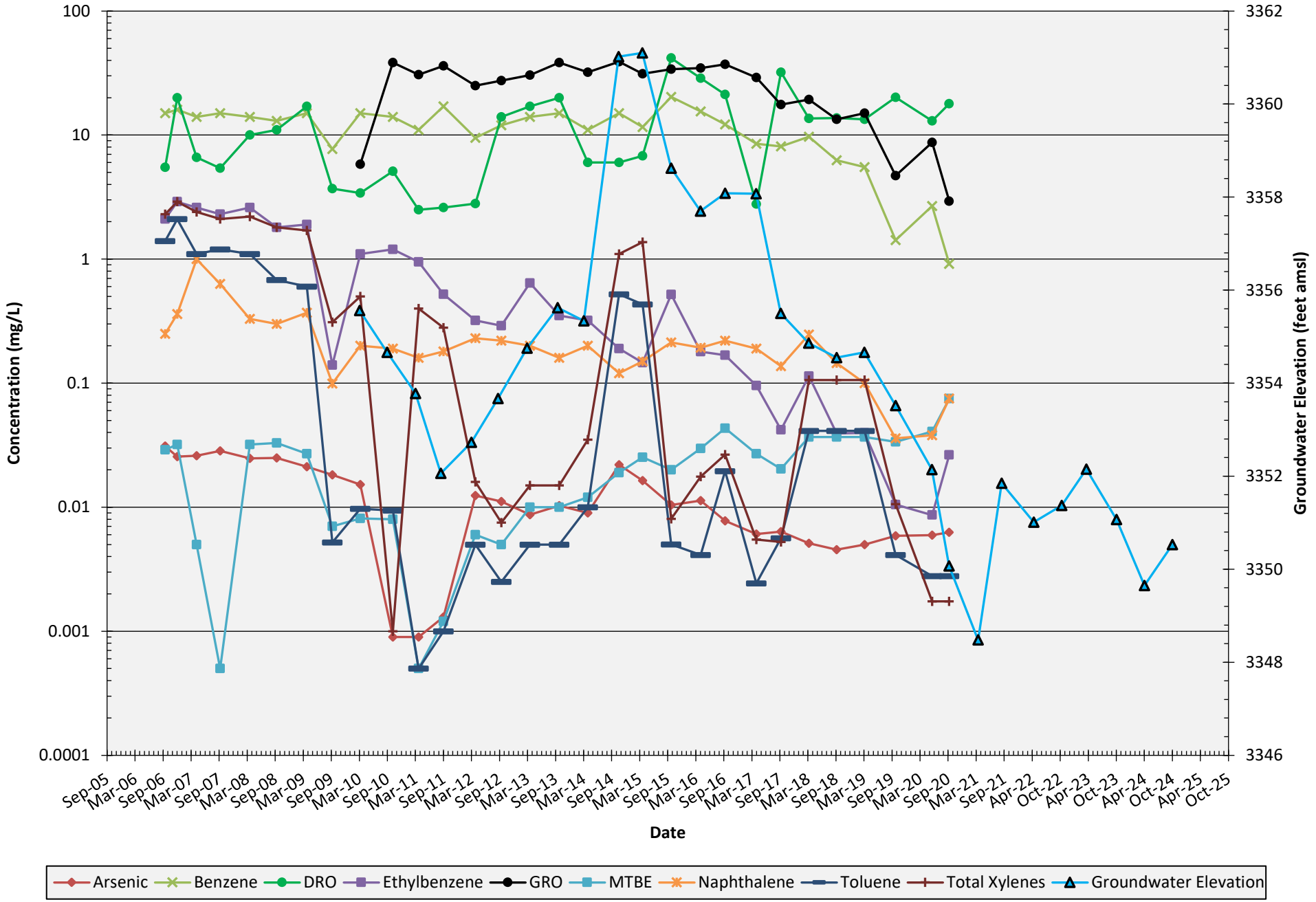
MW-23: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

North Refinery



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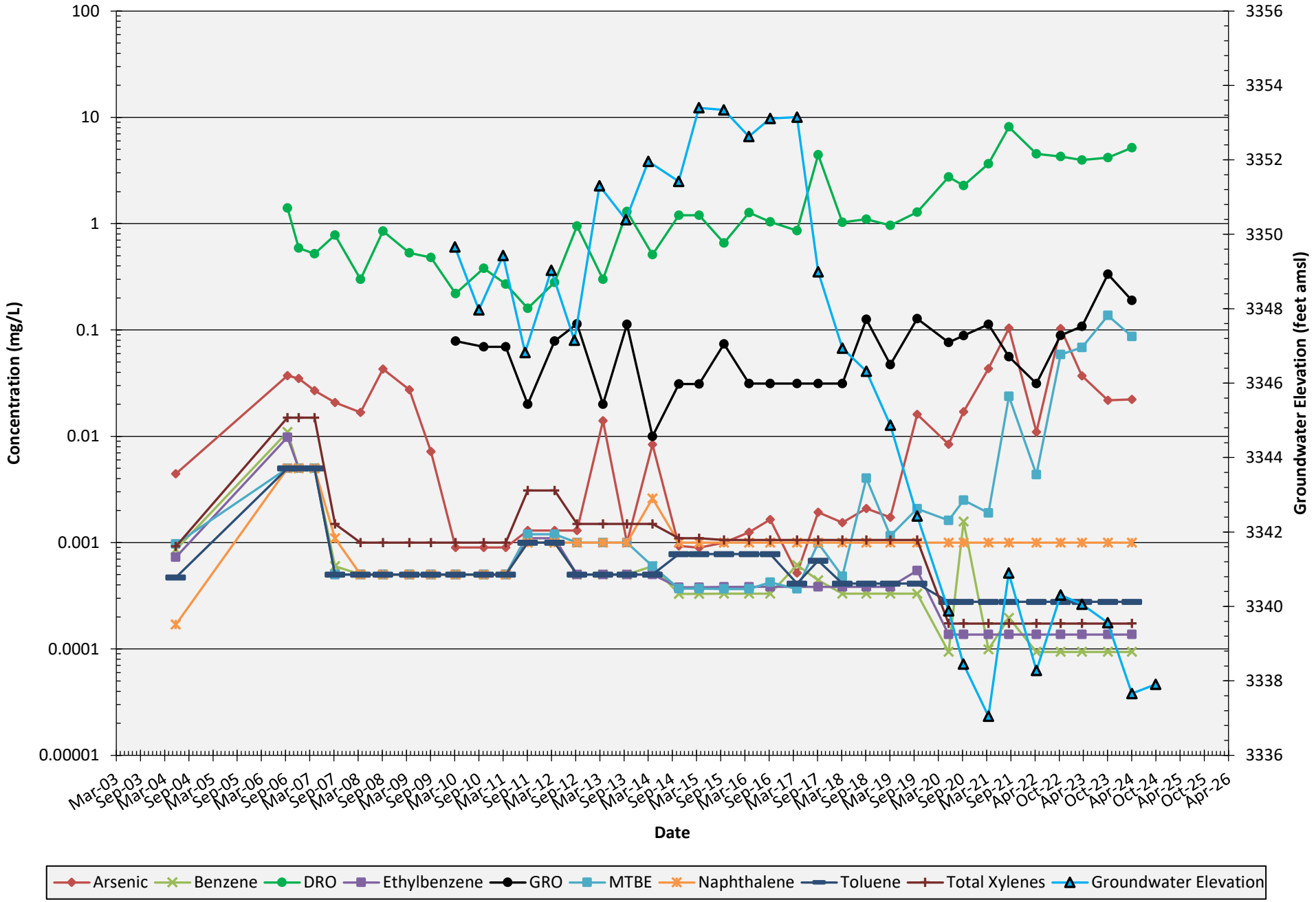
Received by OCD: 6/12/2025 1:19:15 PM

MW-29: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

North Refinery



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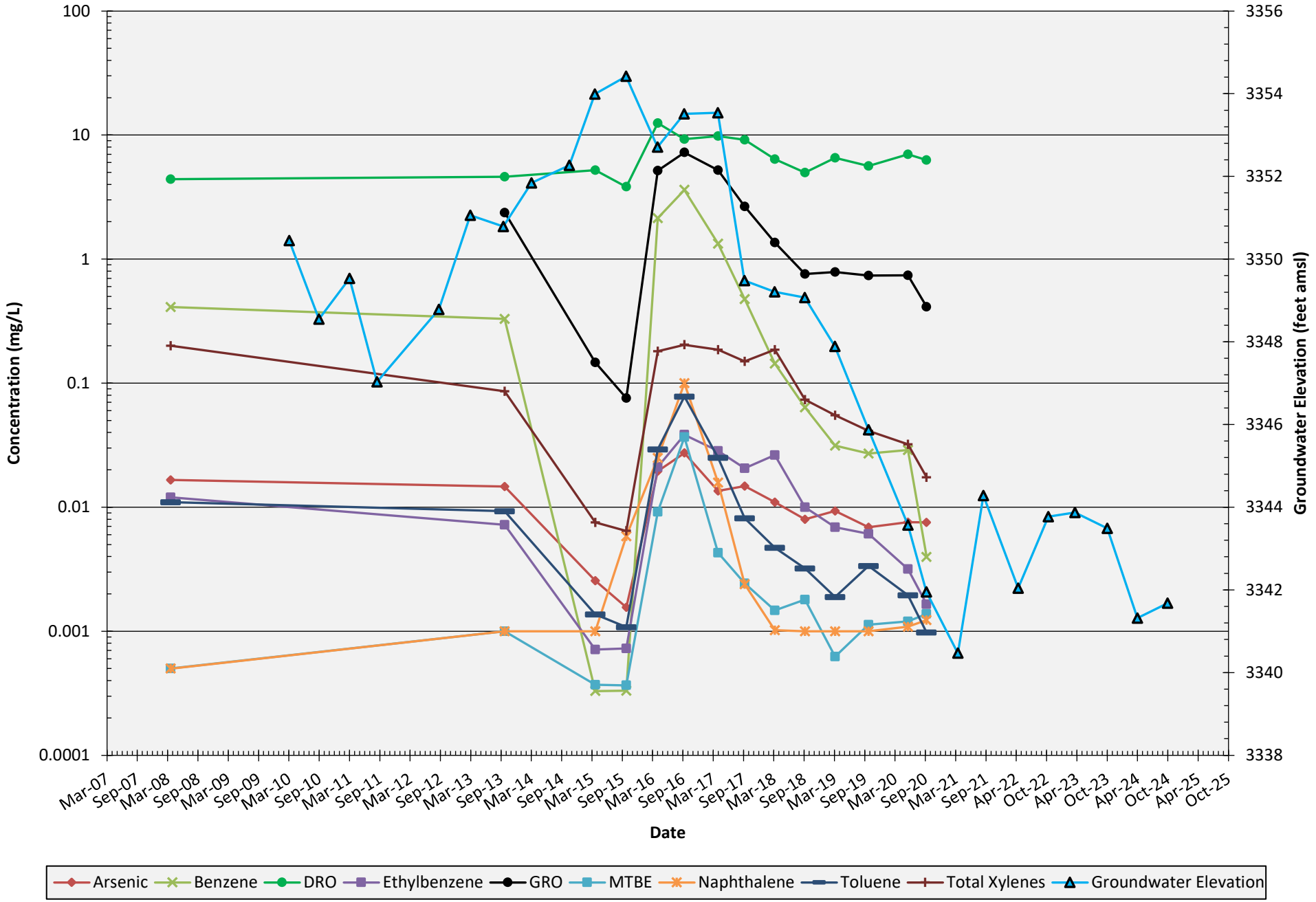
Received by OCD: 6/12/2025 1:19:15 PM

MW-39: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

North Refinery



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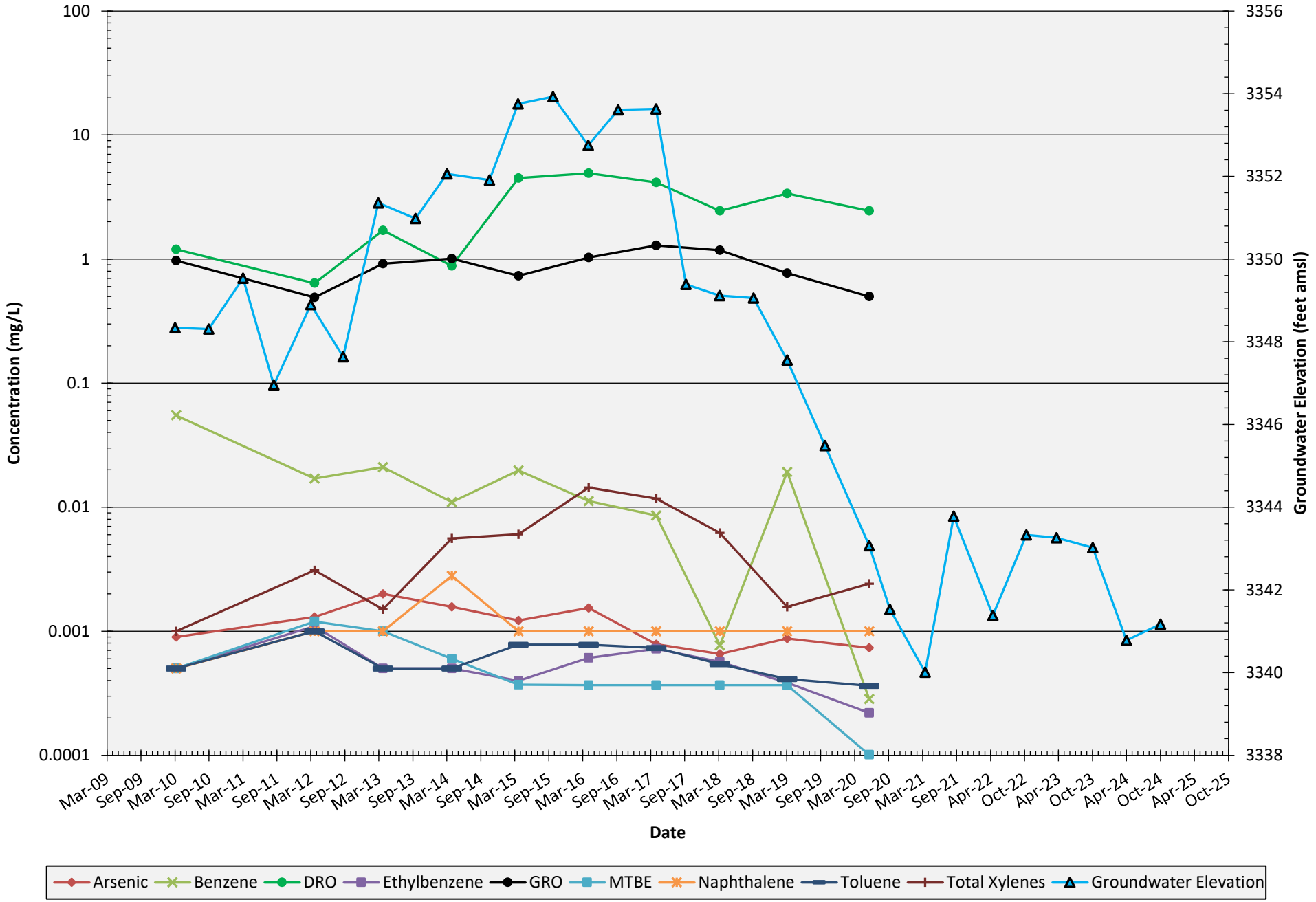
MW-40: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

North Refinery



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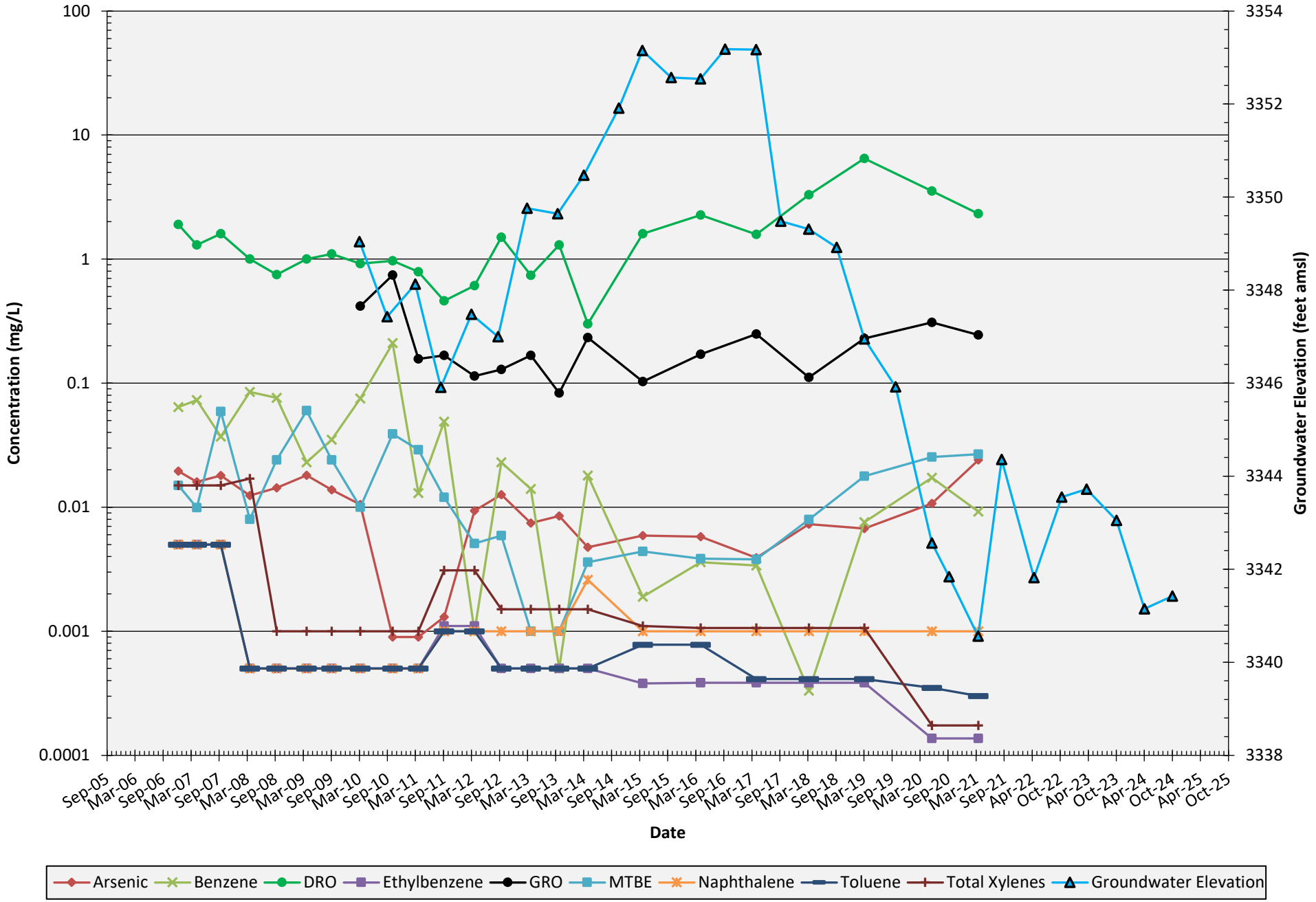
MW-41: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

North Refinery



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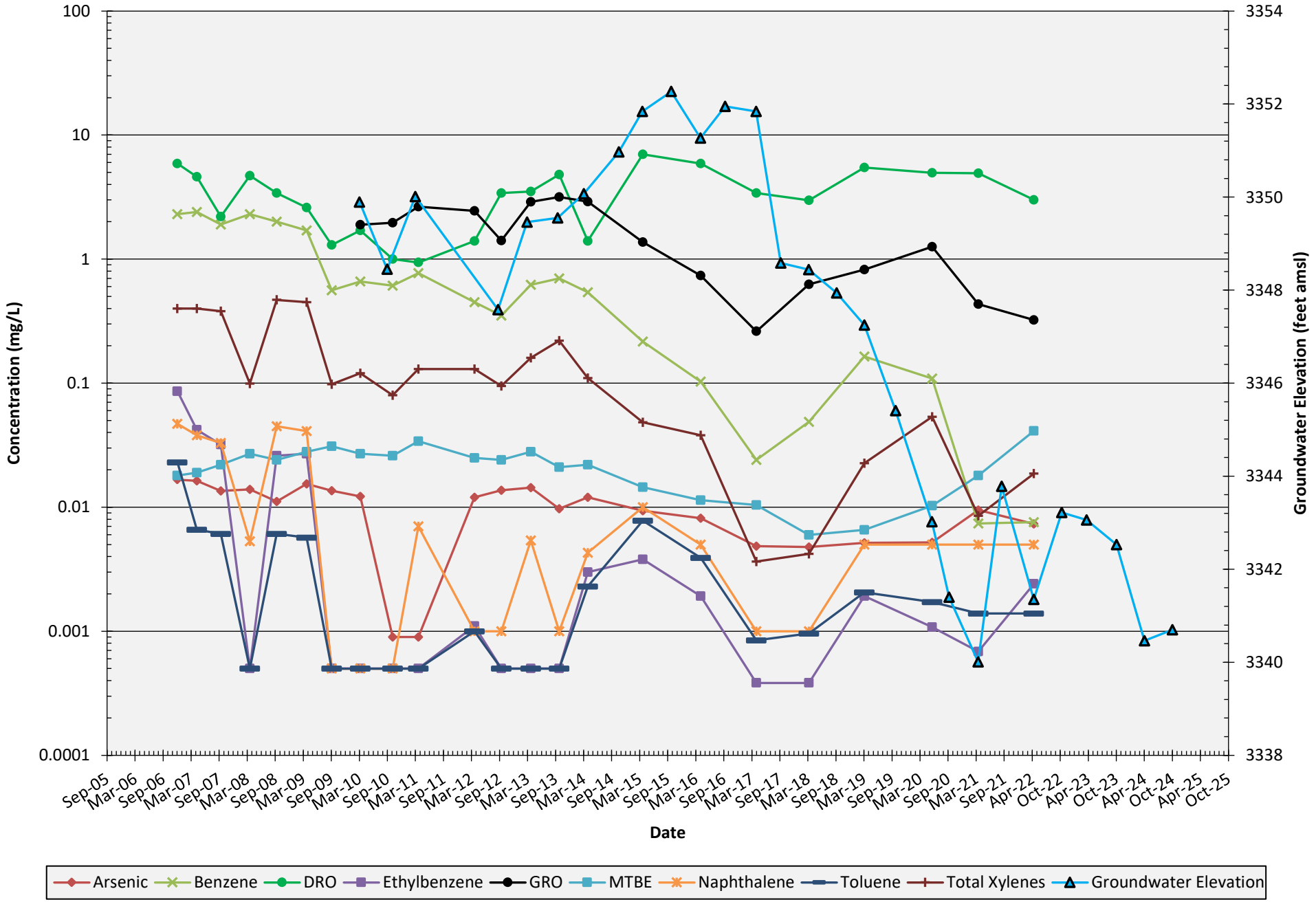
Received by OCD: 6/12/2025 1:19:15 PM

MW-42: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

North Refinery



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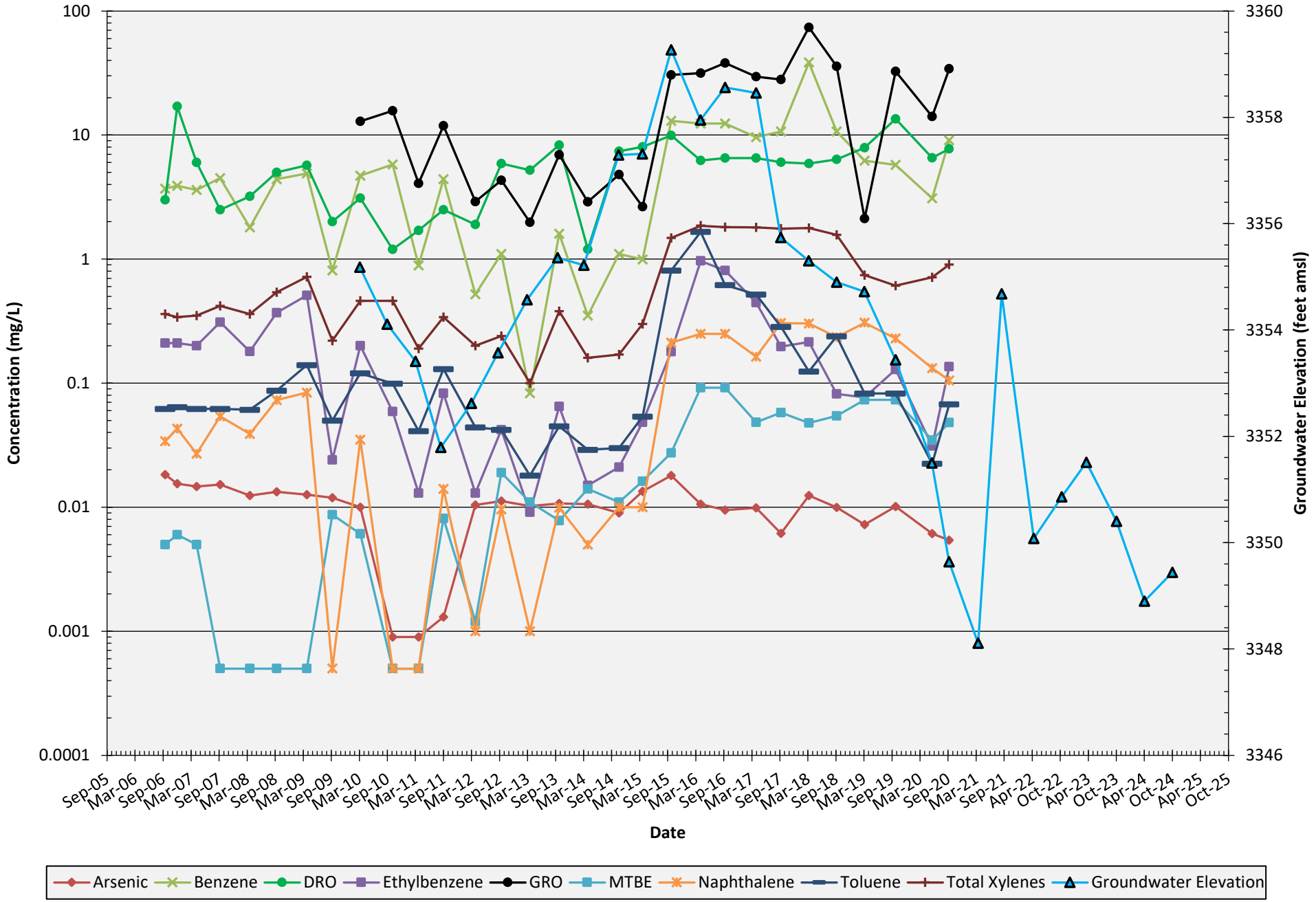
MW-43: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

North Refinery



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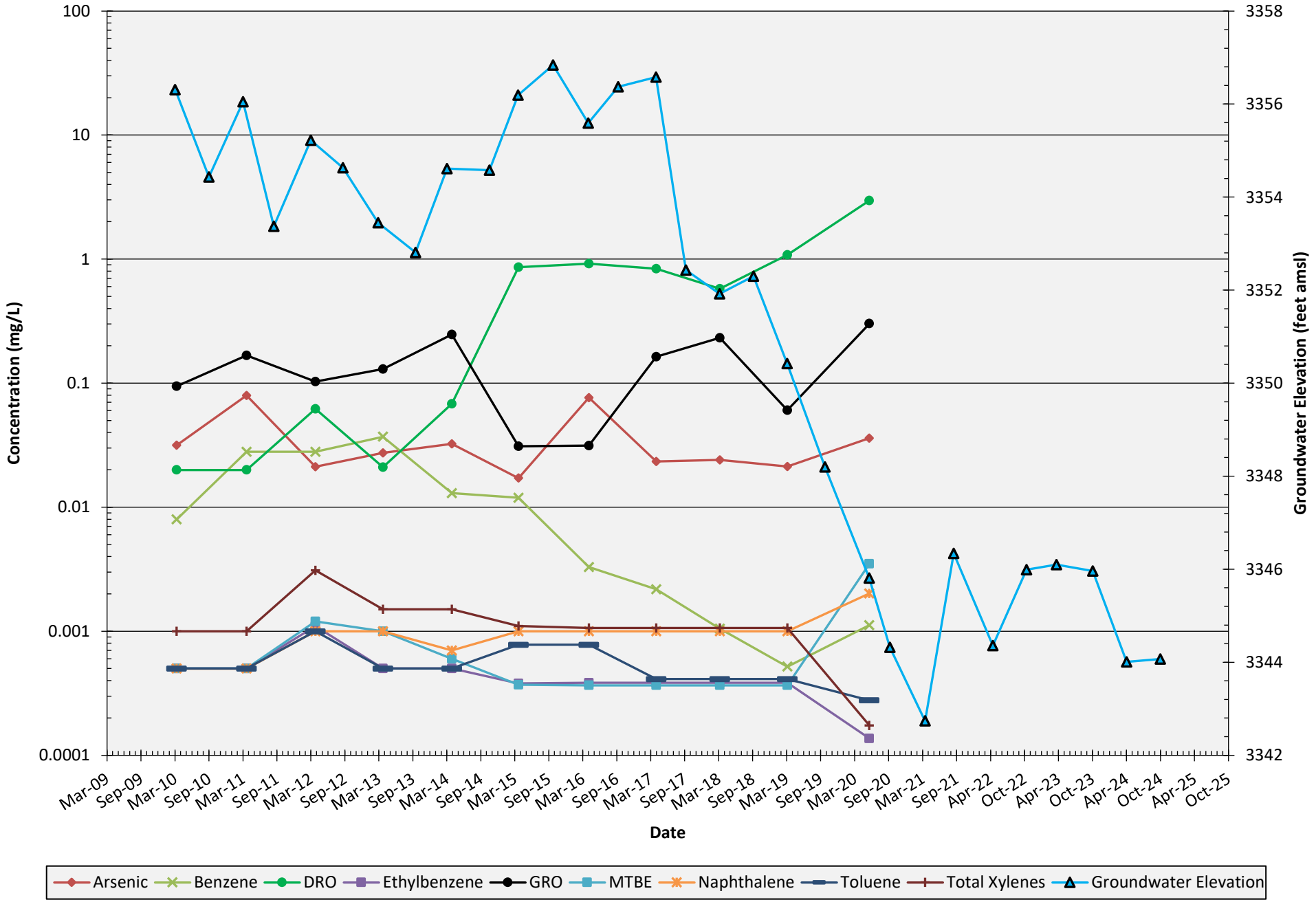
Received by OCD: 6/12/2025 1:19:15 PM

MW-59: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

North Refinery



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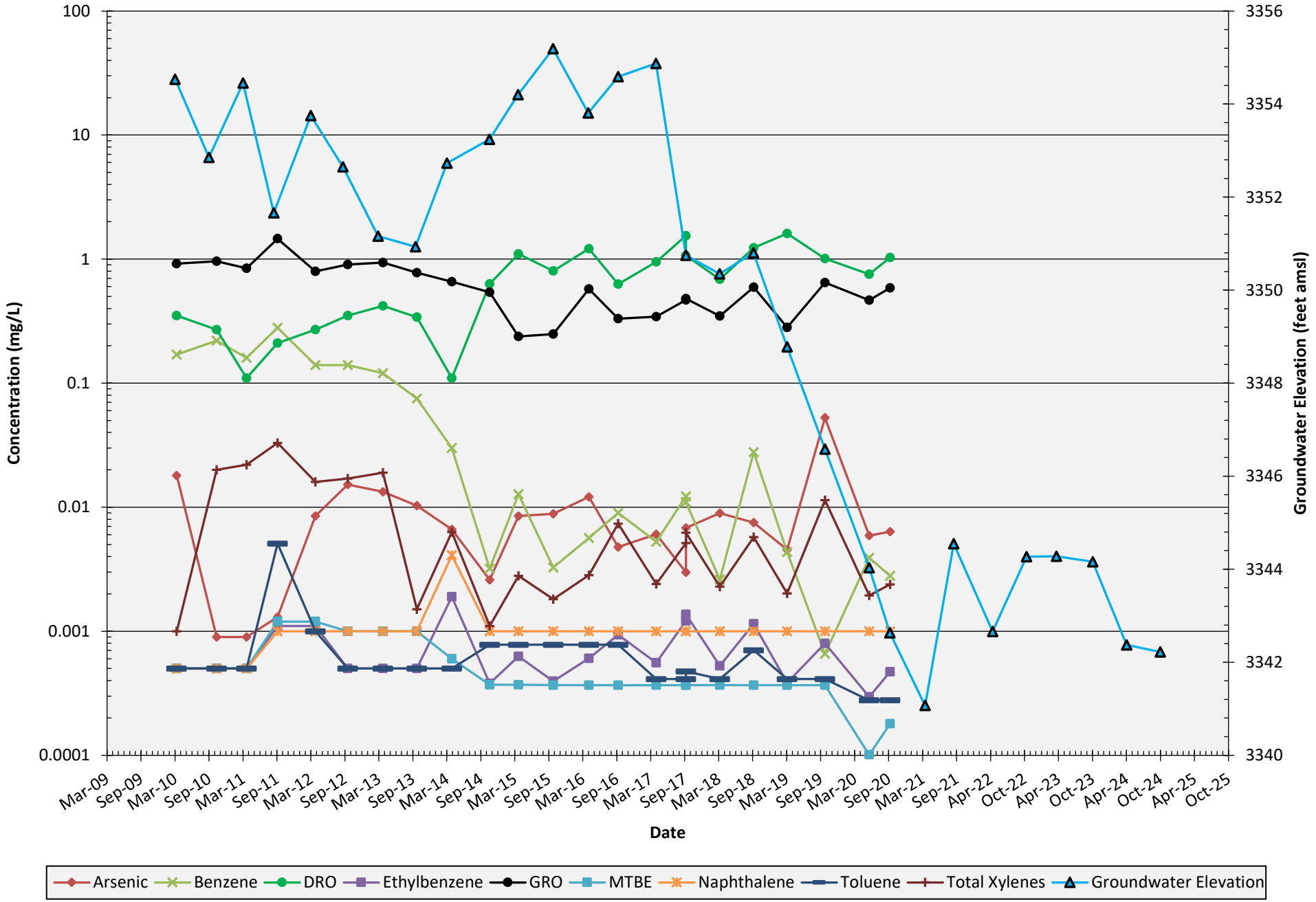
MW-60: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

North Refinery



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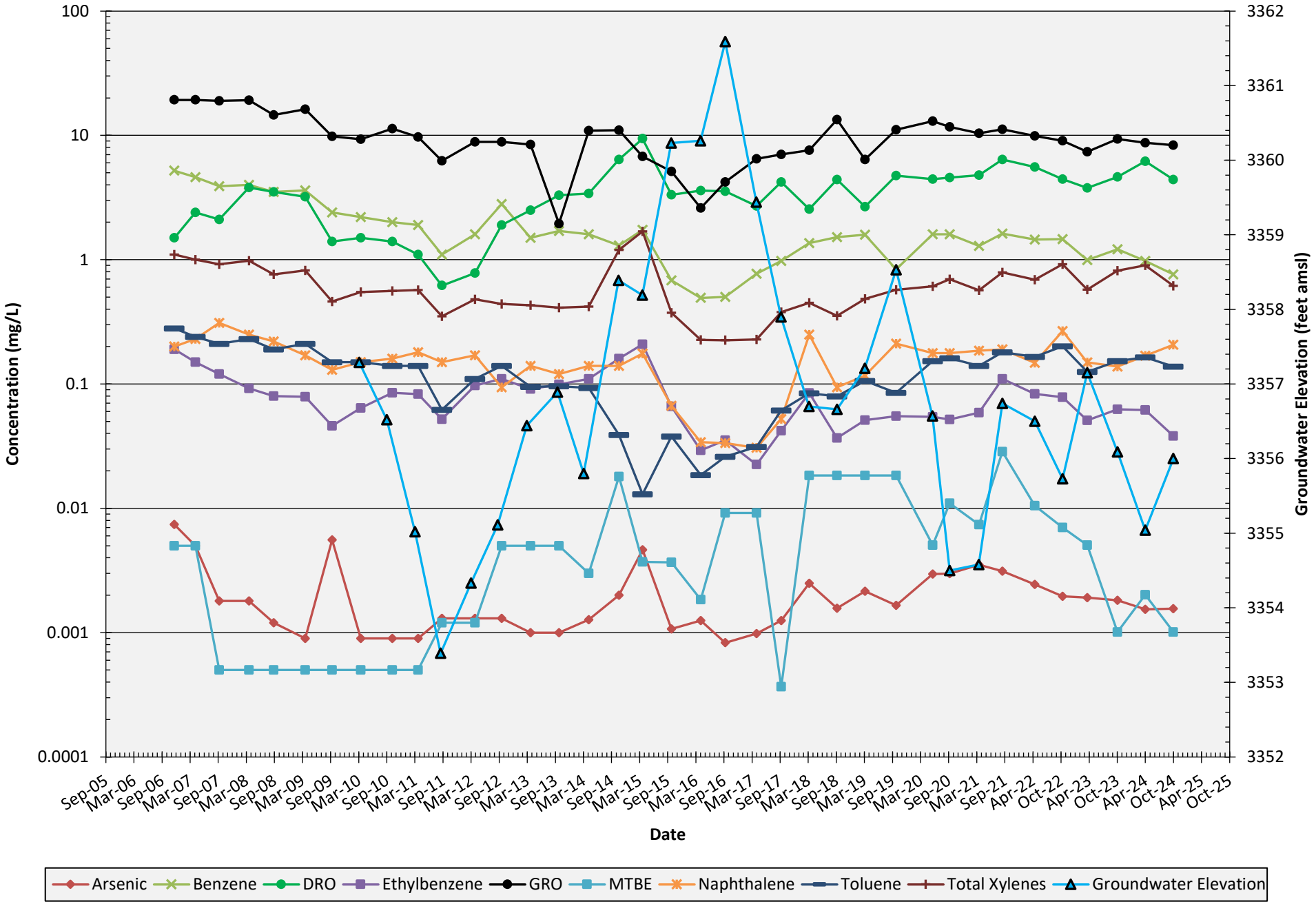
MW-61: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

North Refinery



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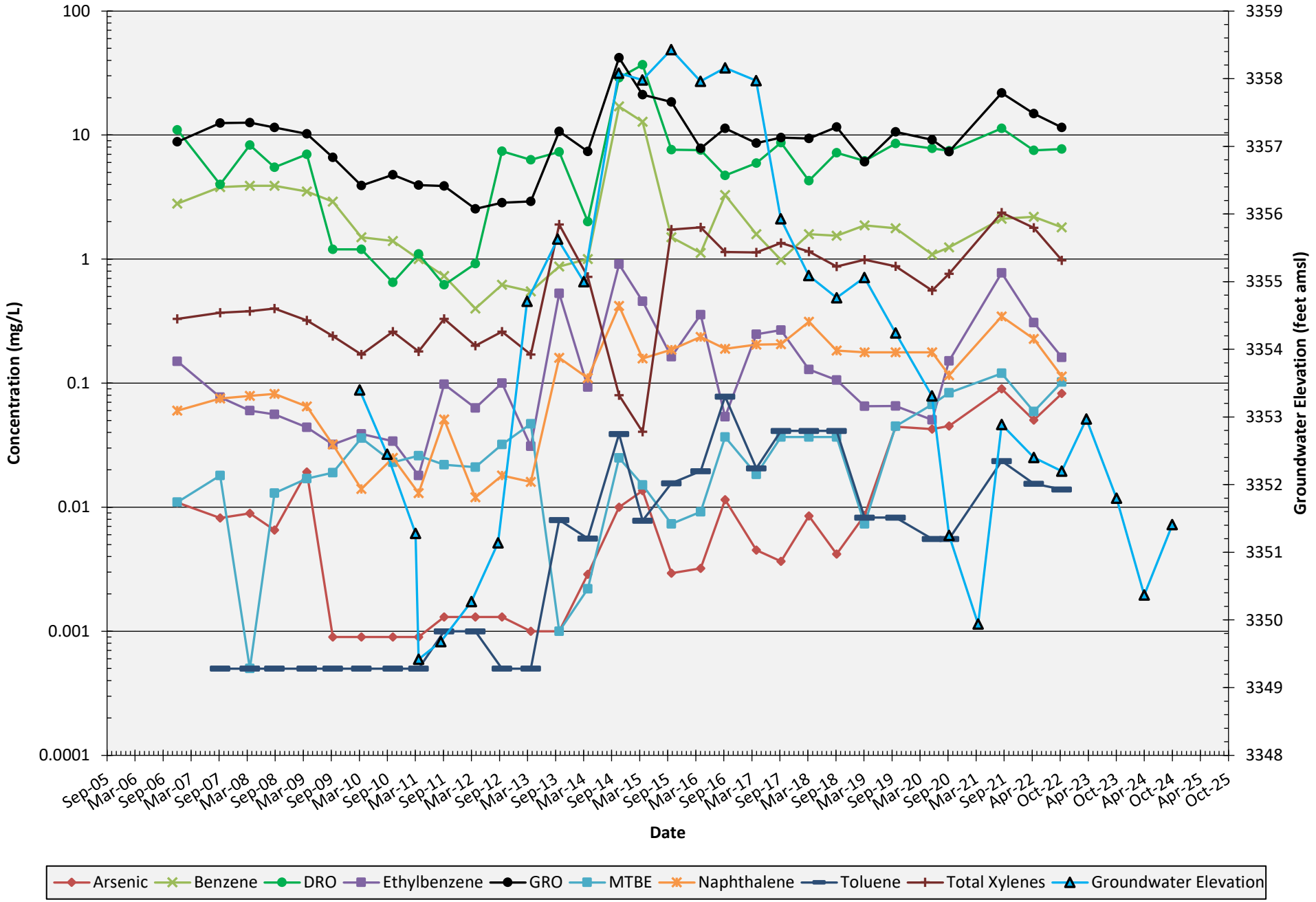
Received by OCD: 6/12/2025 1:19:15 PM

MW-62: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

North Refinery



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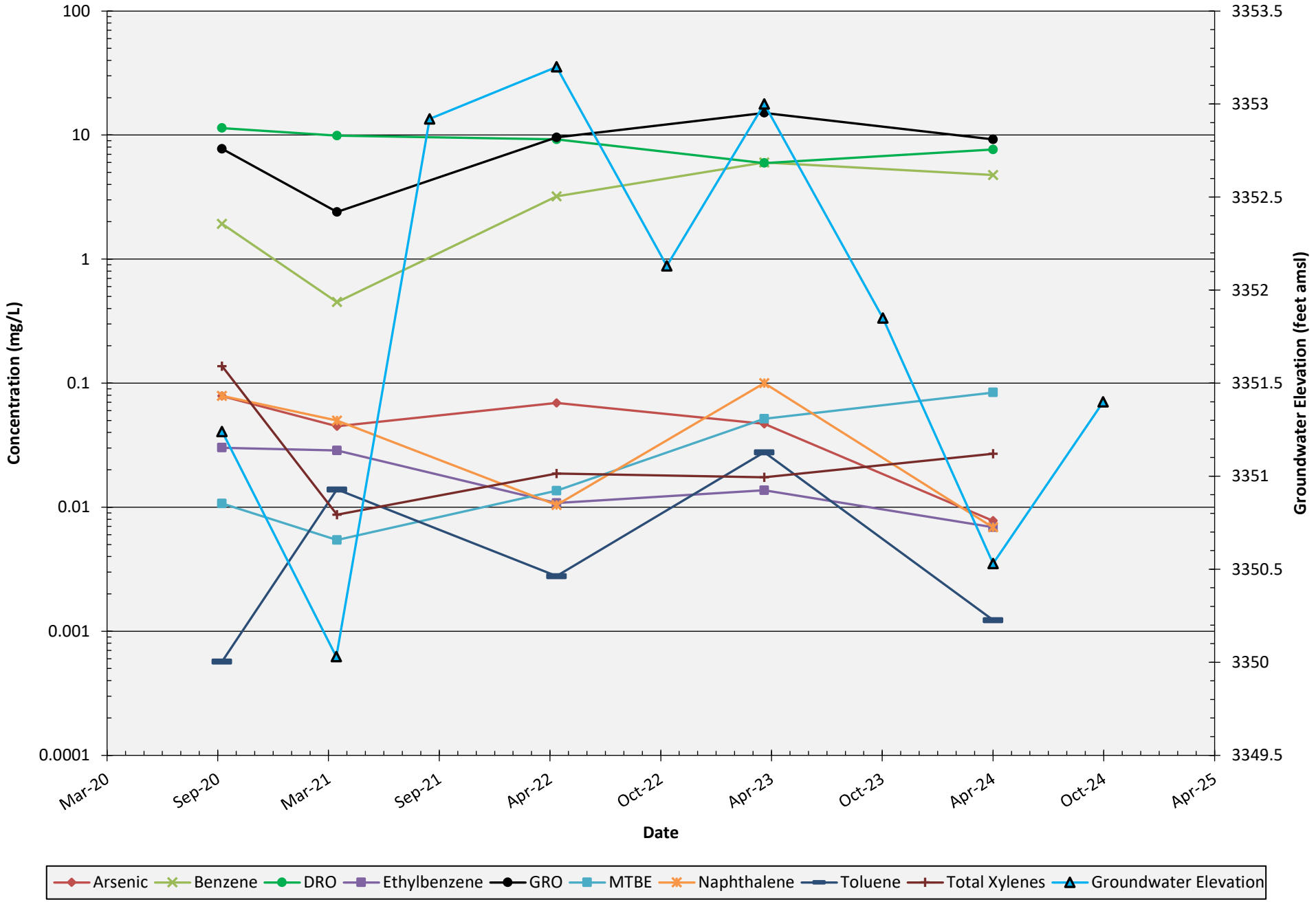
Received by OCD: 6/12/2025 1:19:15 PM

MW-62R: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

North Refinery



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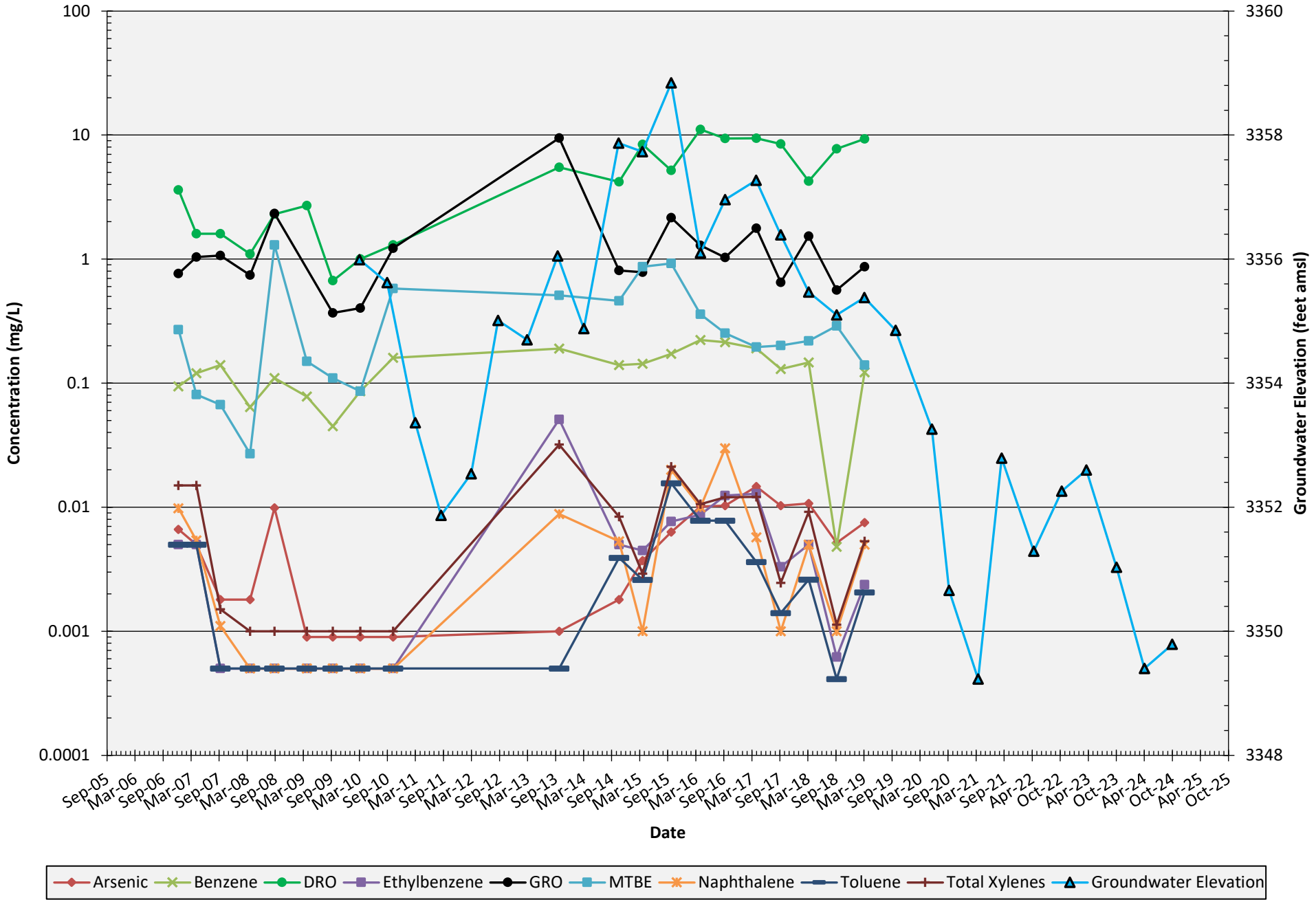
Received by OCD: 6/12/2025 1:19:15 PM

MW-67: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

North Refinery



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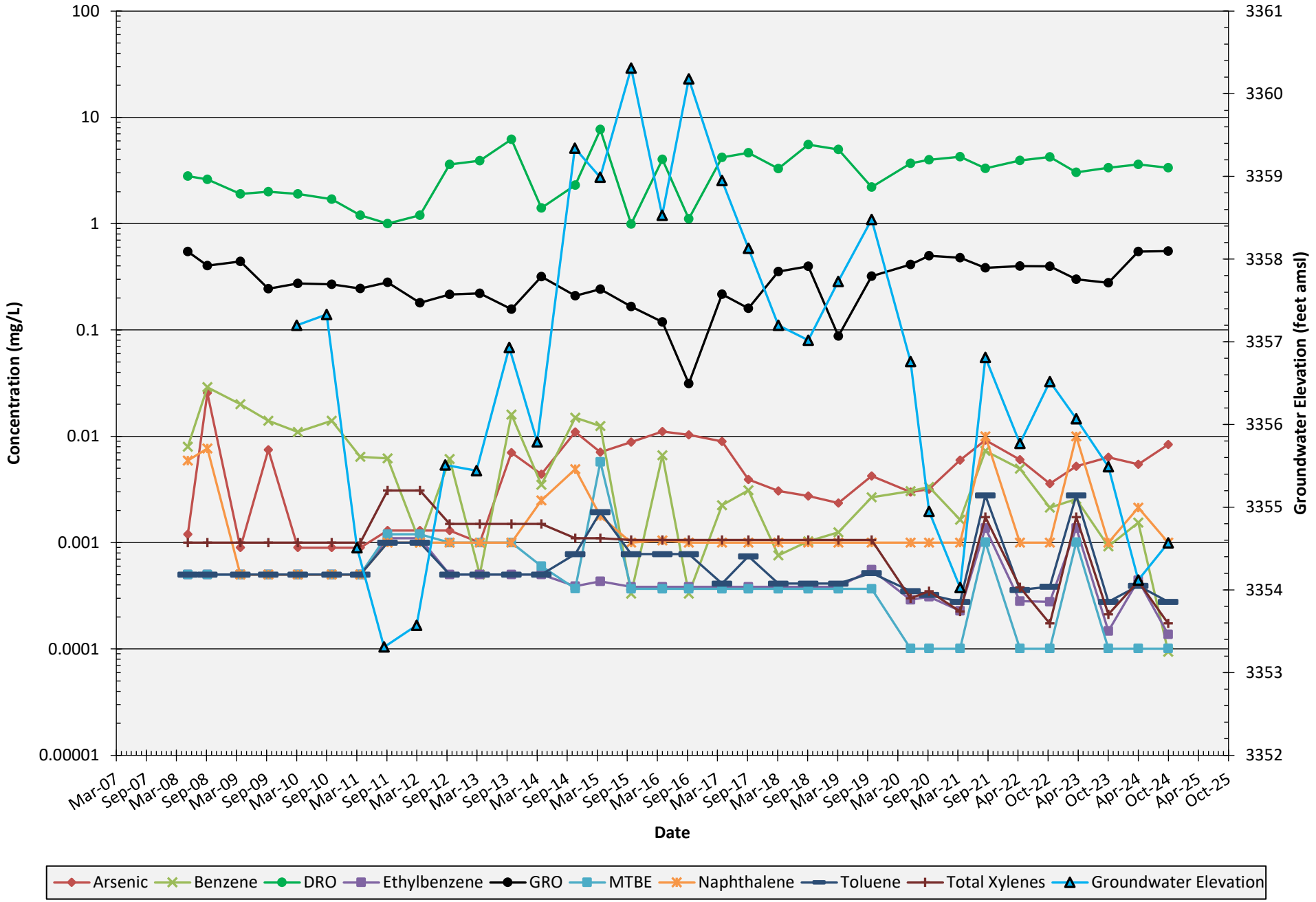
Received by OCD: 6/12/2025 1:19:15 PM

MW-90: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

North Refinery



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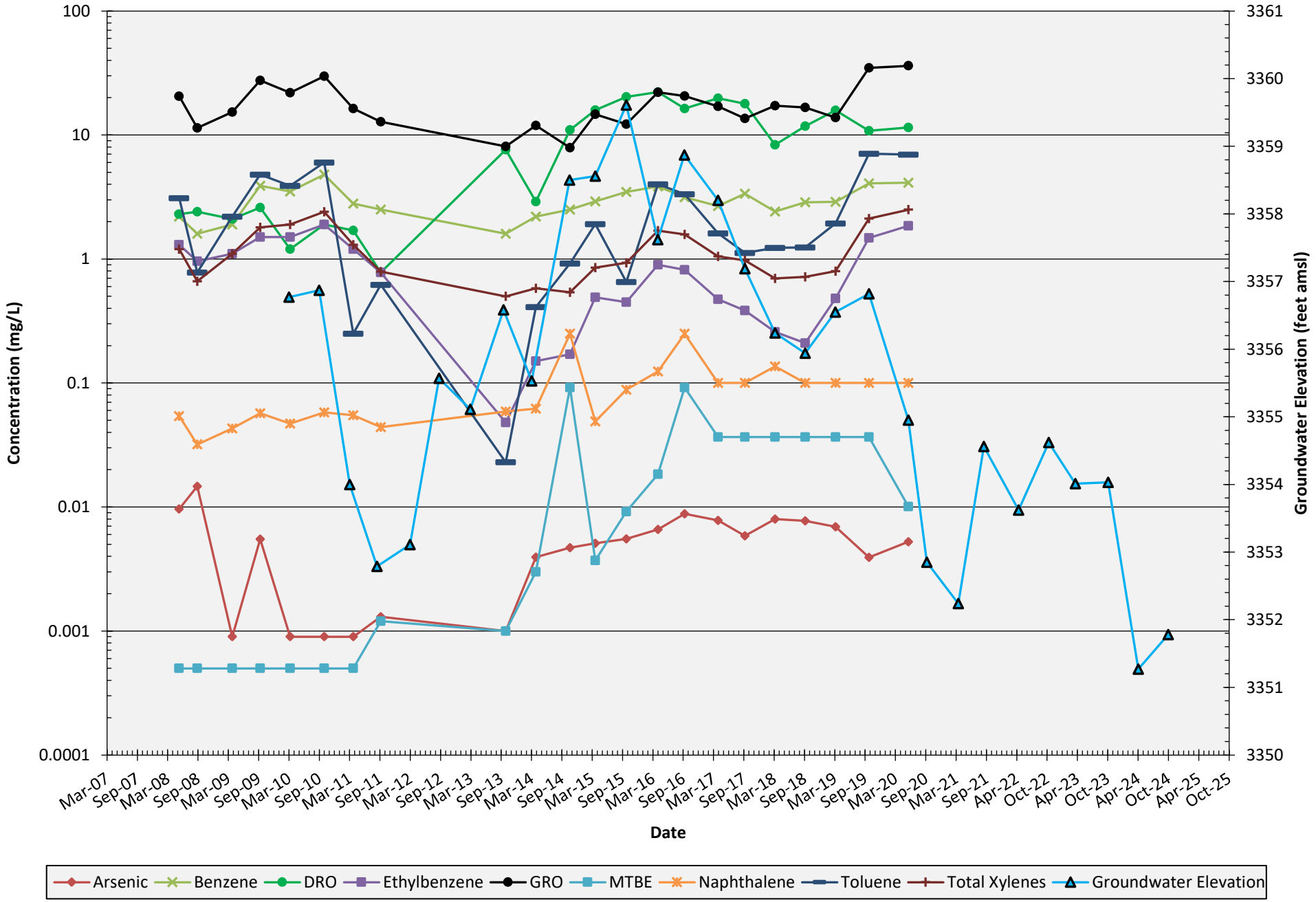
Received by OCD: 6/12/2025 1:19:15 PM

MW-91: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

North Refinery



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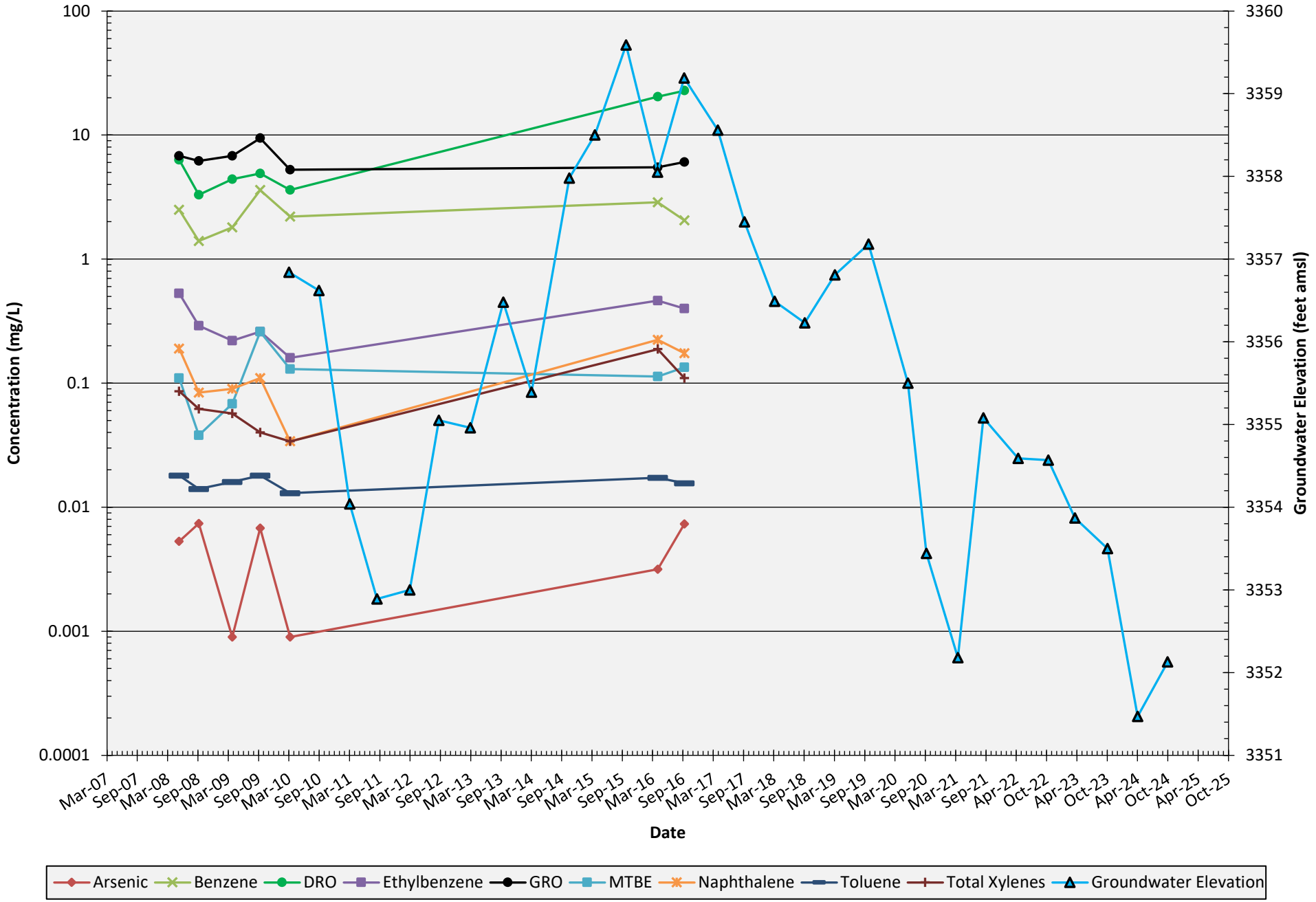
Received by OCD: 6/12/2025 1:19:15 PM

MW-92: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

North Refinery

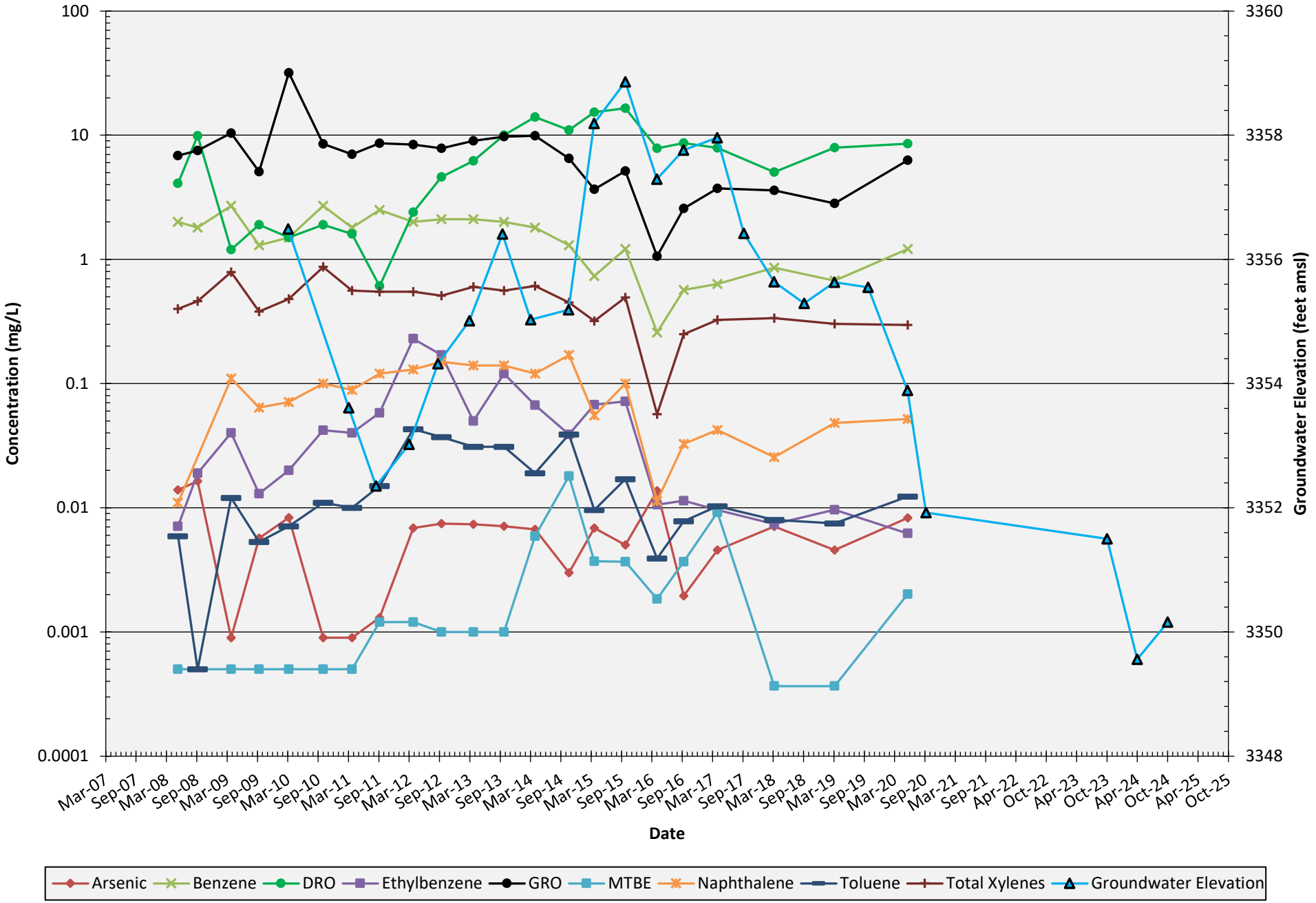


Released to Imaging: 6/17/2025 4:41:11 PM
Received by OCD: 6/12/2025 1:19:15 PM

MW-93: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

North Refinery



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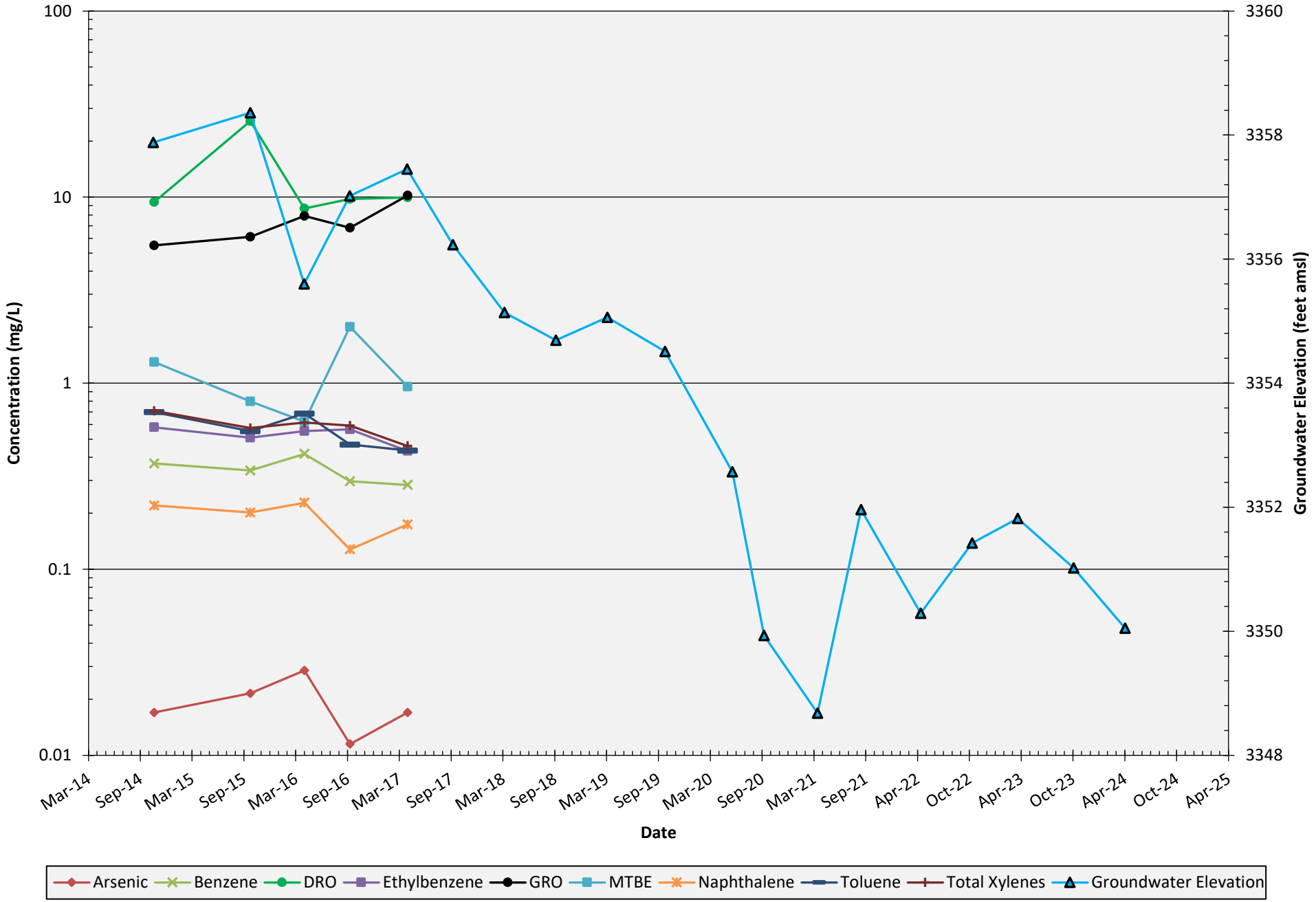
Received by OCD: 6/12/2025 1:19:15 PM

MW-94: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

North Refinery

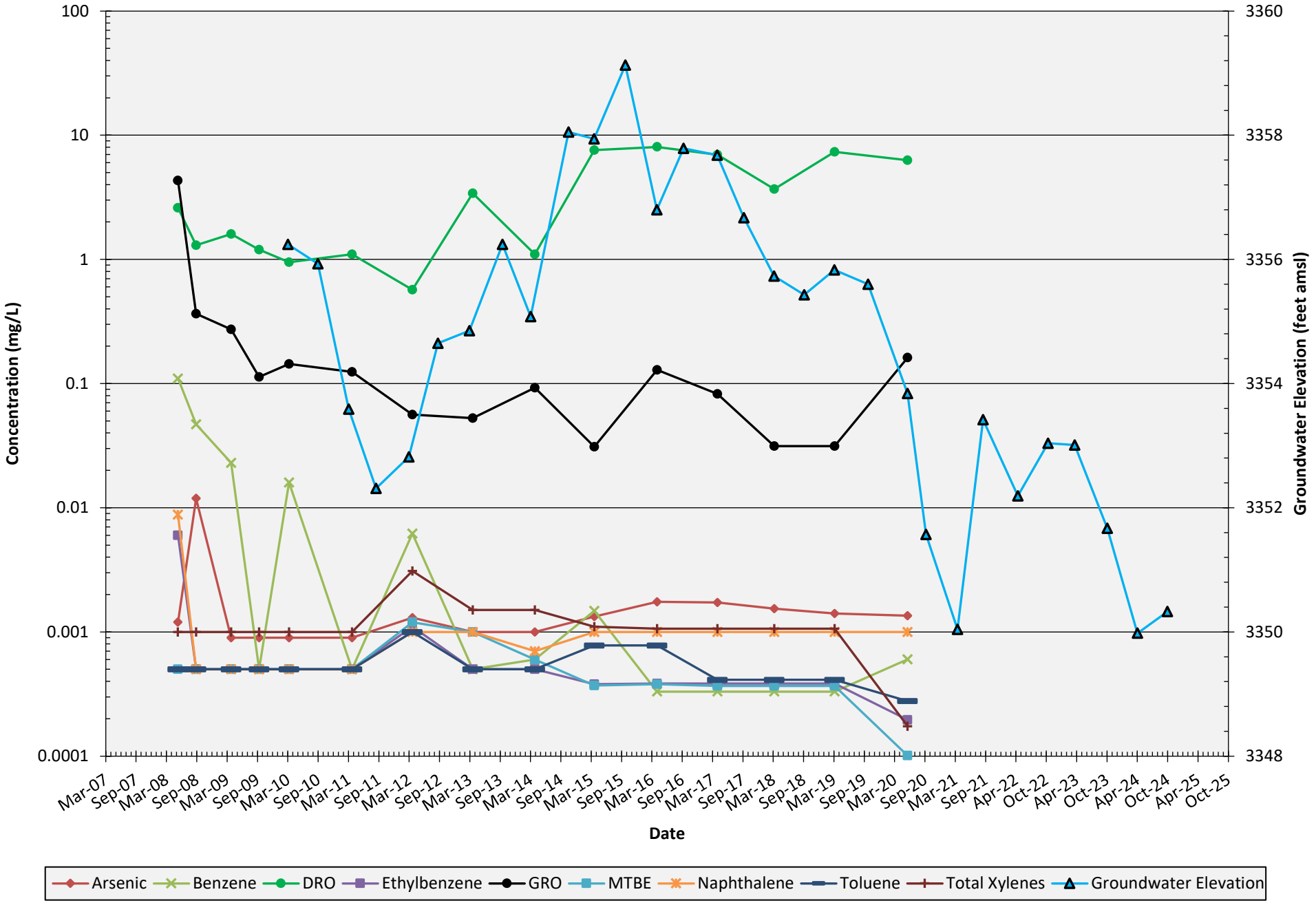


Released to Imaging: 6/17/2025 4:41:11 PM
Received by OCD: 6/12/2025 1:19:15 PM

MW-95: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

North Refinery



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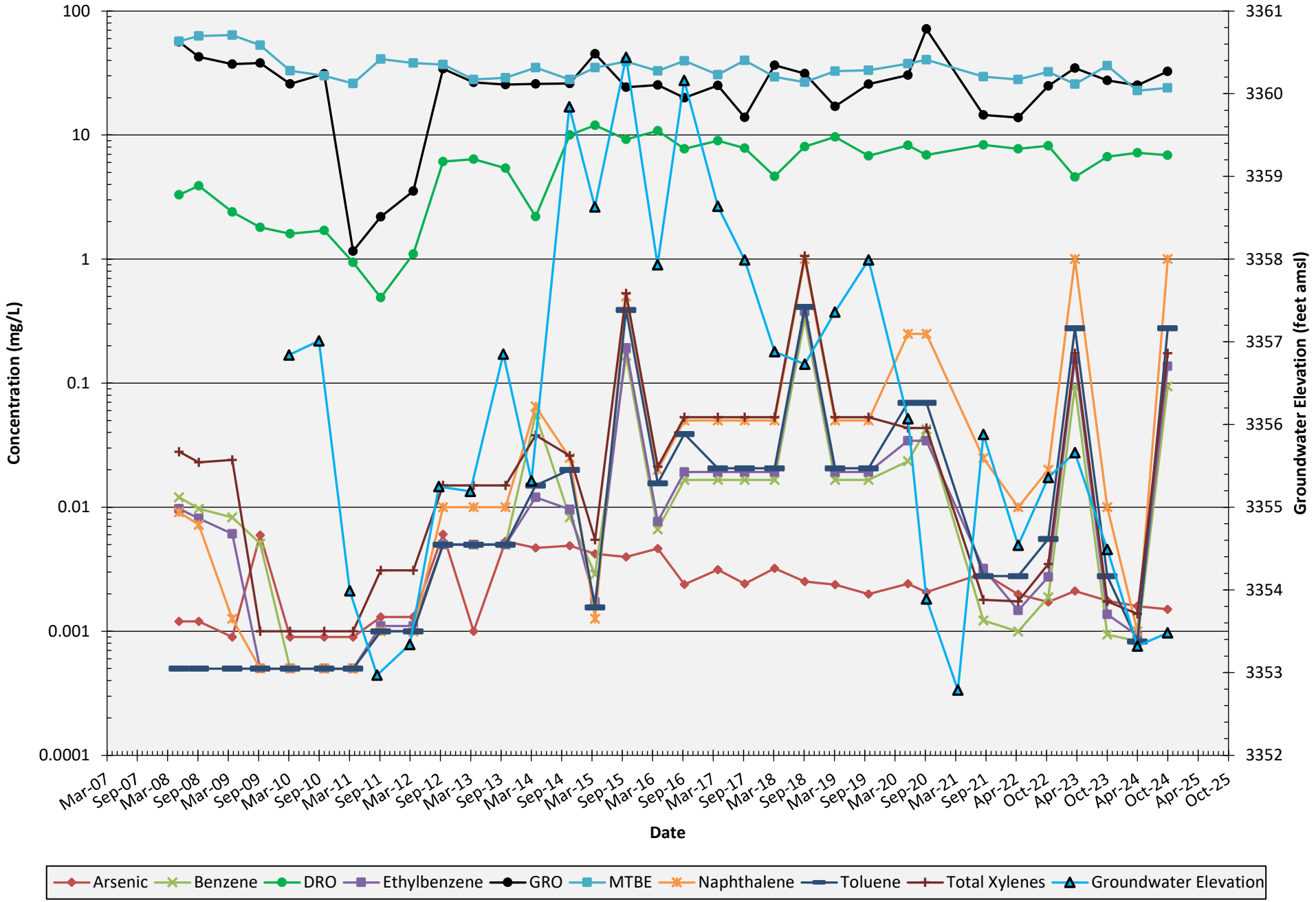
Received by OCD: 6/12/2025 1:19:15 PM

MW-96: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

North Refinery



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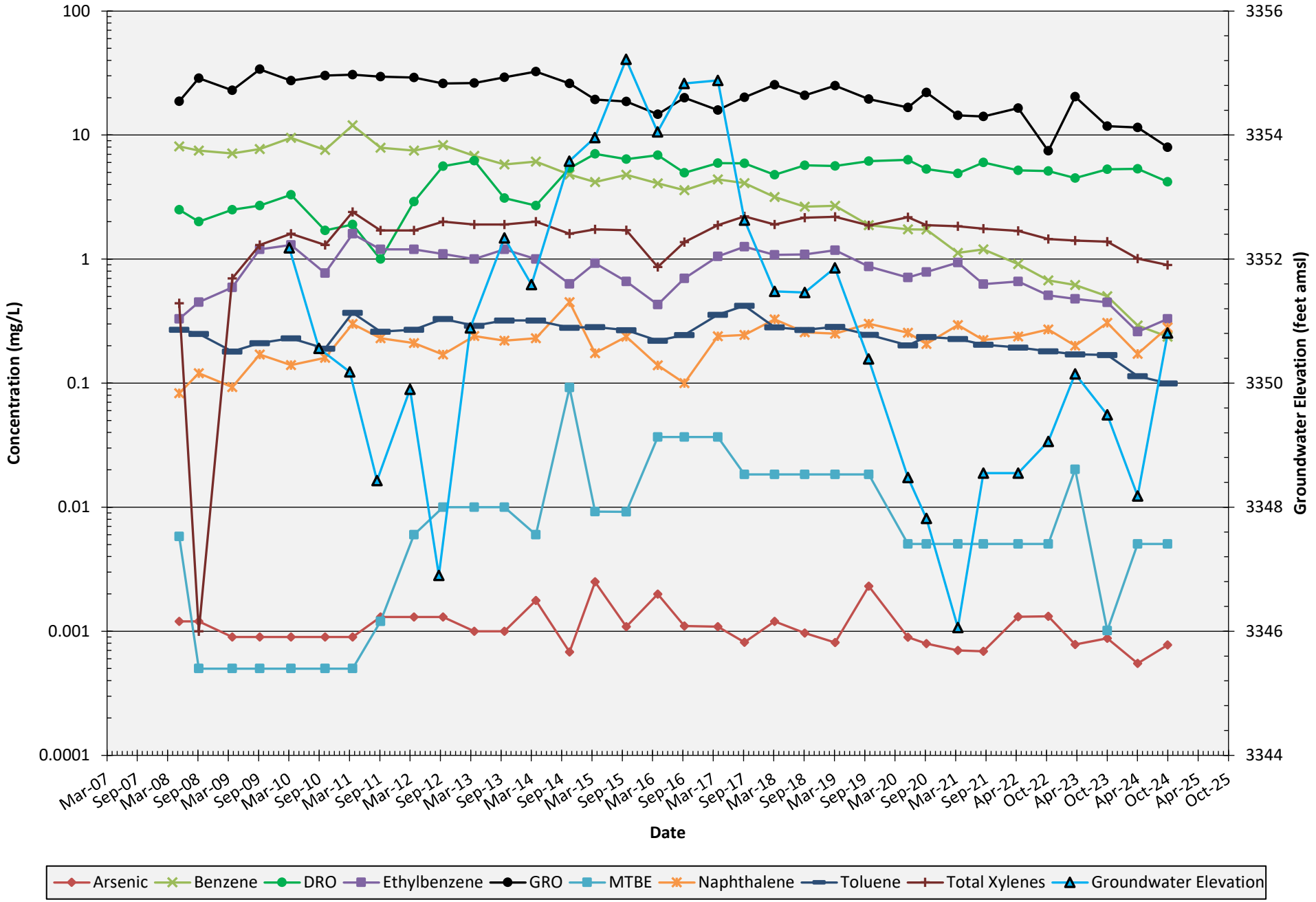
Received by OCD: 6/12/2025 1:19:15 PM

MW-98: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

North Refinery



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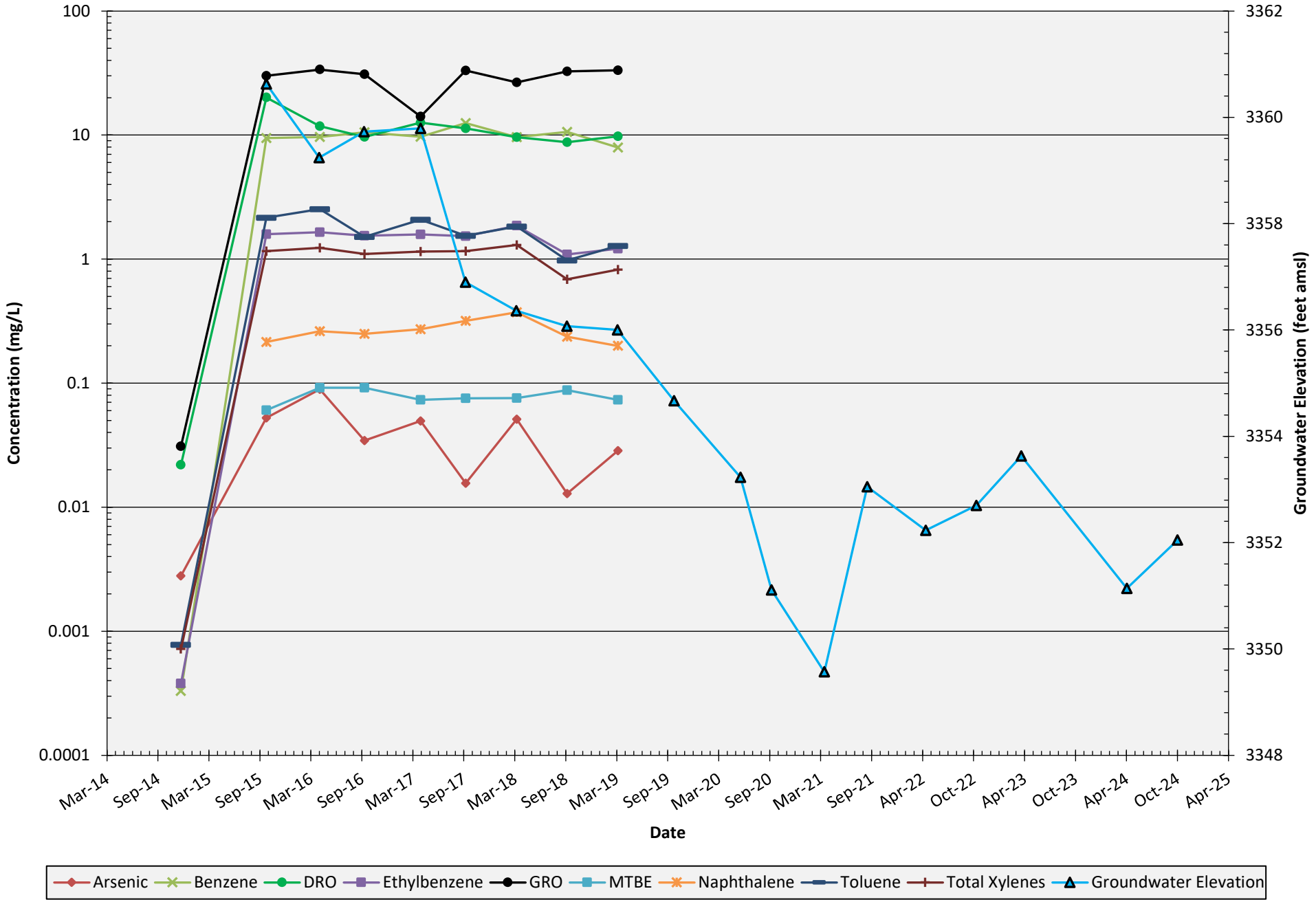
Received by OCD: 6/12/2025 1:19:15 PM

MW-137: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

North Refinery



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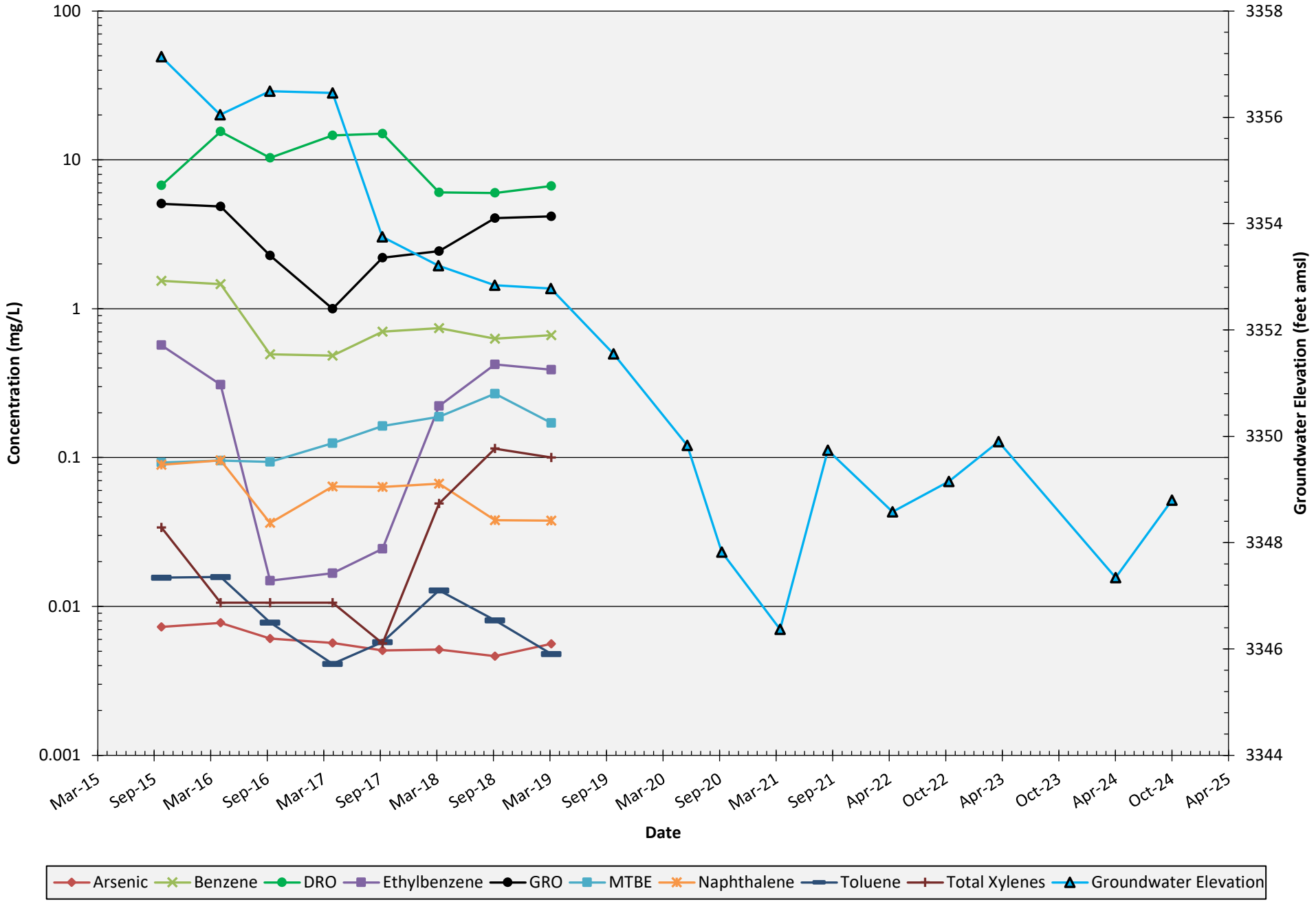
Received by OCD: 6/12/2025 1:19:15 PM

MW-138: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

North Refinery

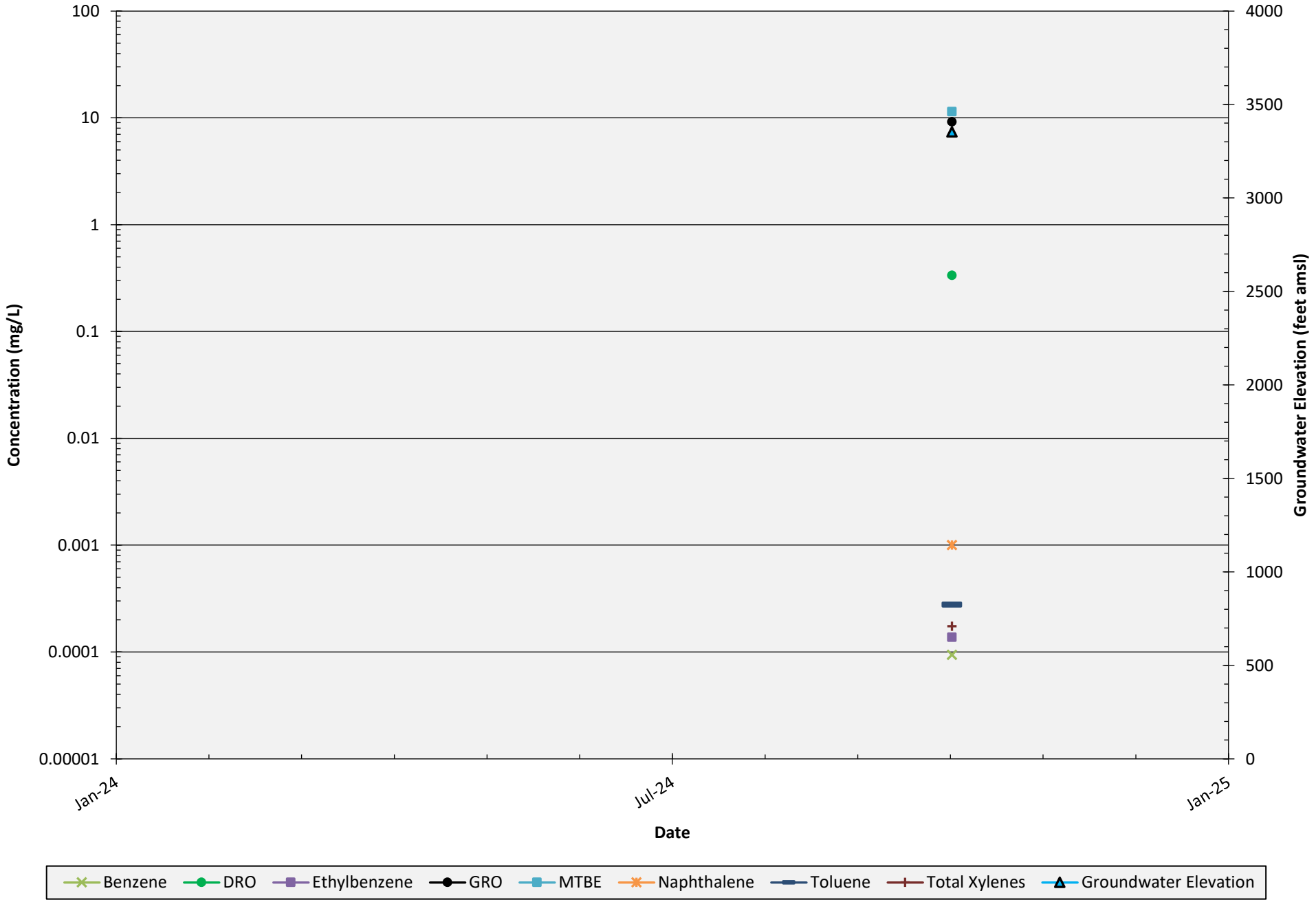


Released to Imaging: 6/17/2025 4:41:11 PM
Received by OCD: 6/12/2025 1:19:15 PM

MW-157: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

North Refinery

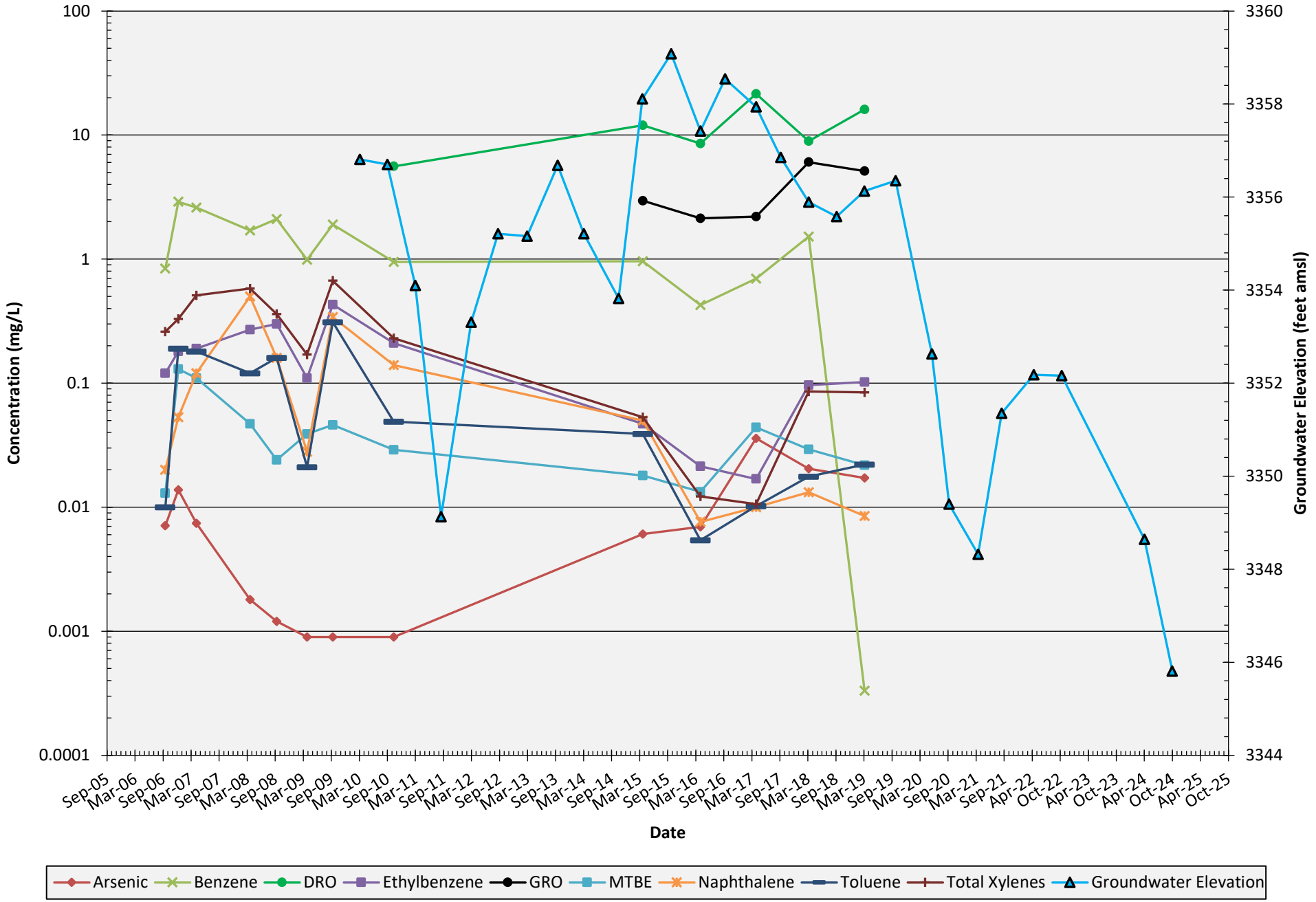


Released to Imaging: 6/17/2025 4:41:11 PM
Received by OCD: 6/12/2025 1:19:15 PM

RW-1 & RW-1R: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

North Refinery

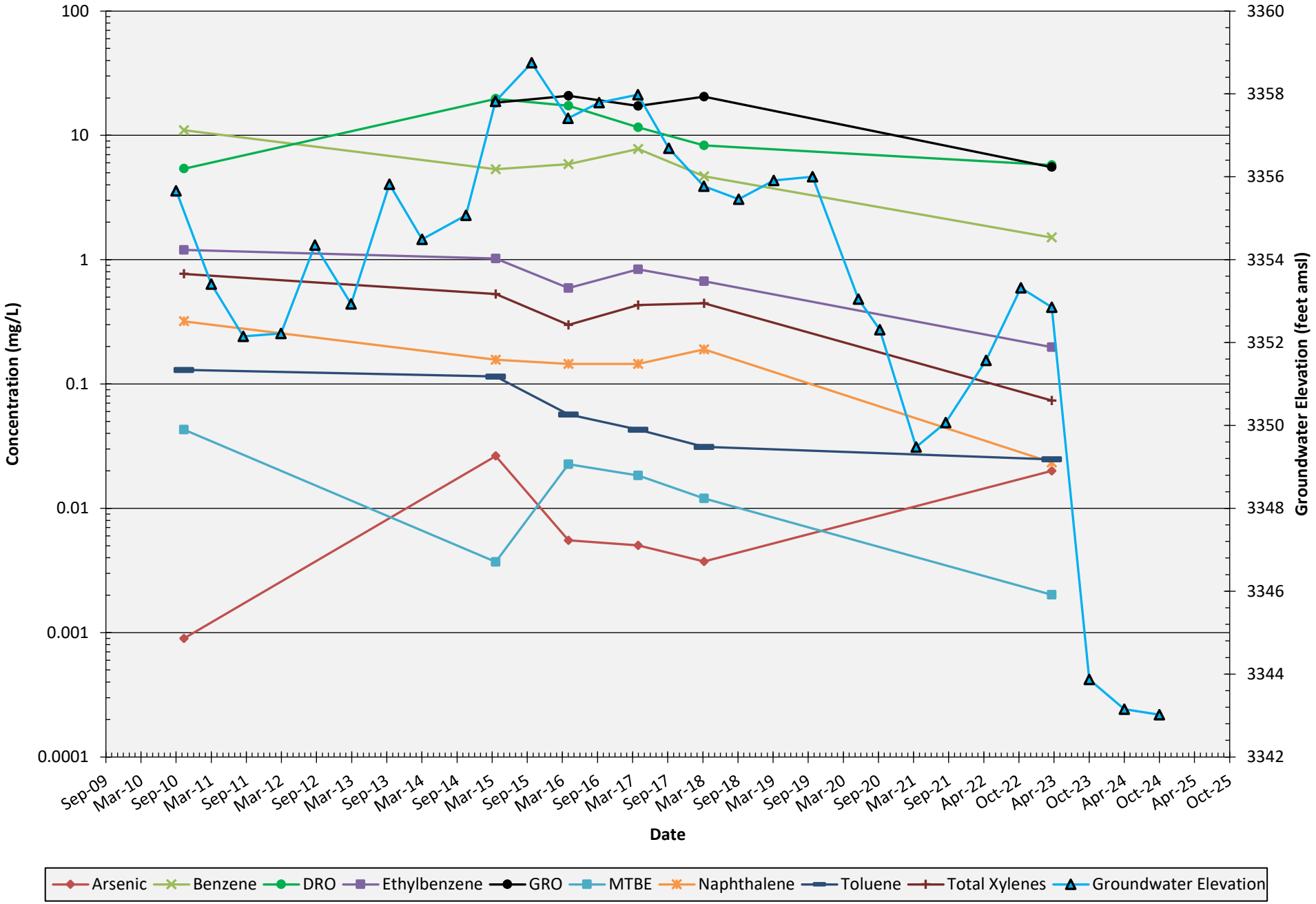


Released to Imaging: 6/17/2025 4:41:11 PM
Received by OCD: 6/12/2025 1:19:15 PM

RW-2 & RW-2R: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

North Refinery



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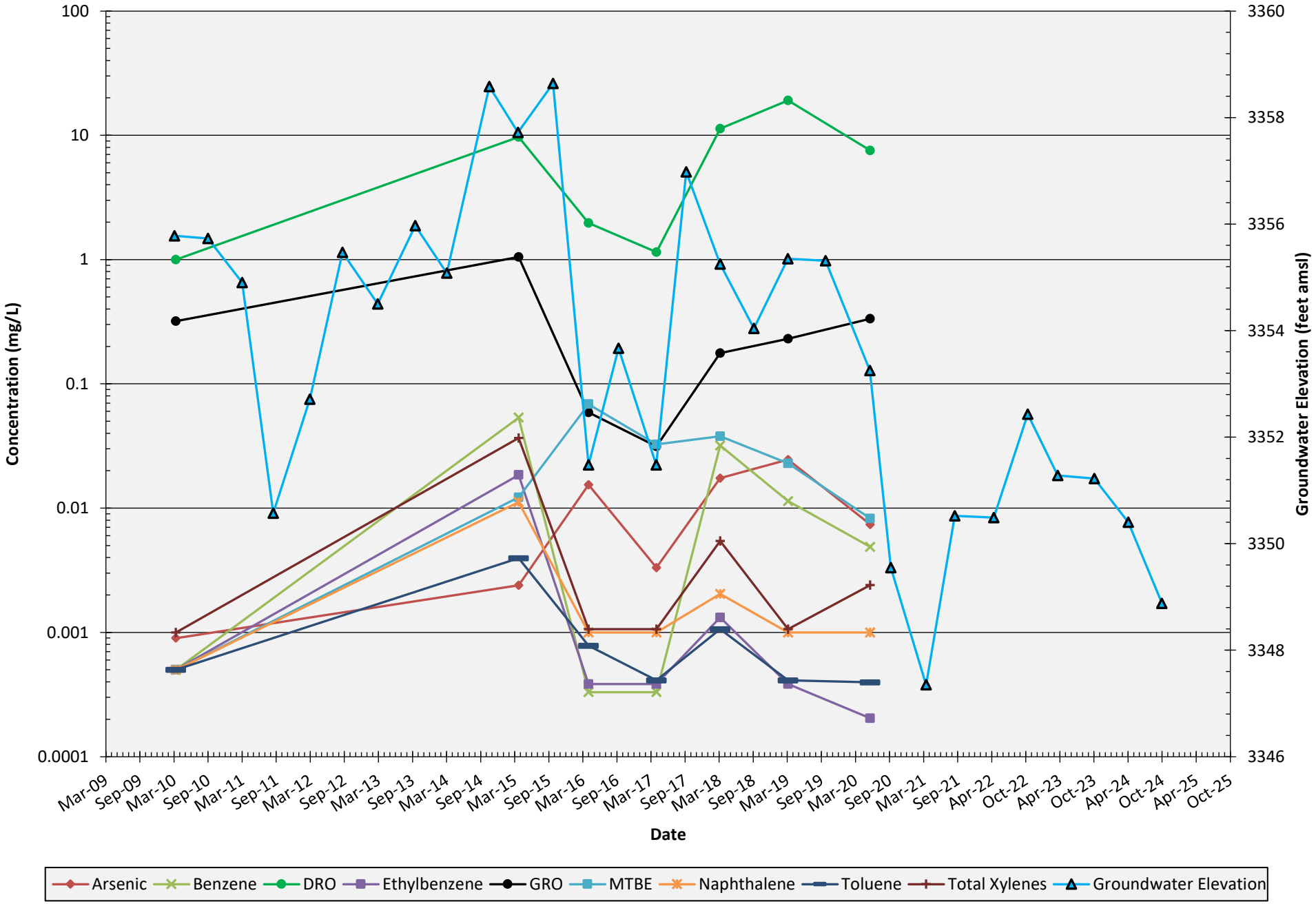
Received by OCD: 6/12/2025 1:19:15 PM

RW-7 & RW-7R: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

North Refinery



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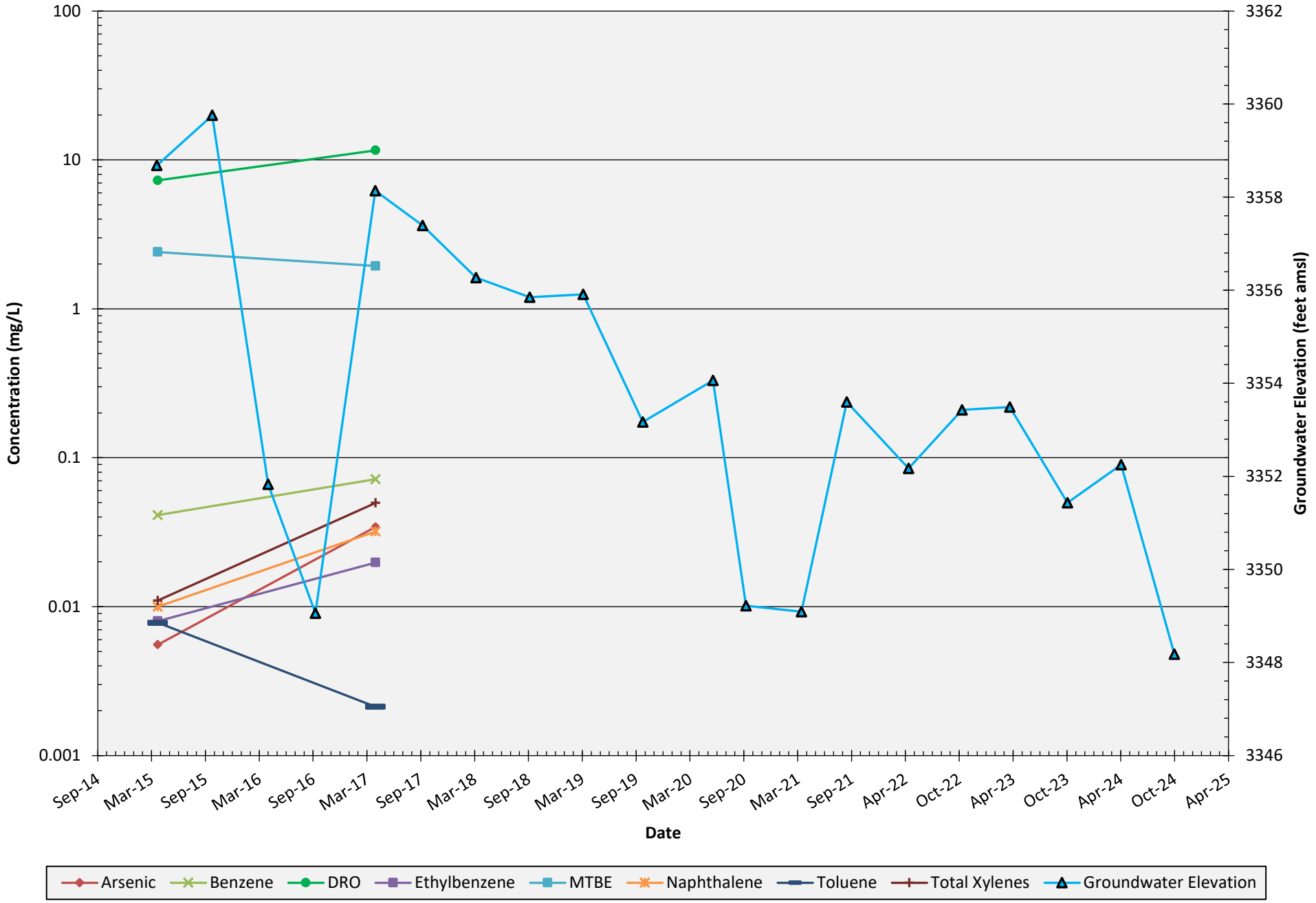
Received by OCD: 6/12/2025 1:19:15 PM

RW-8: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

North Refinery



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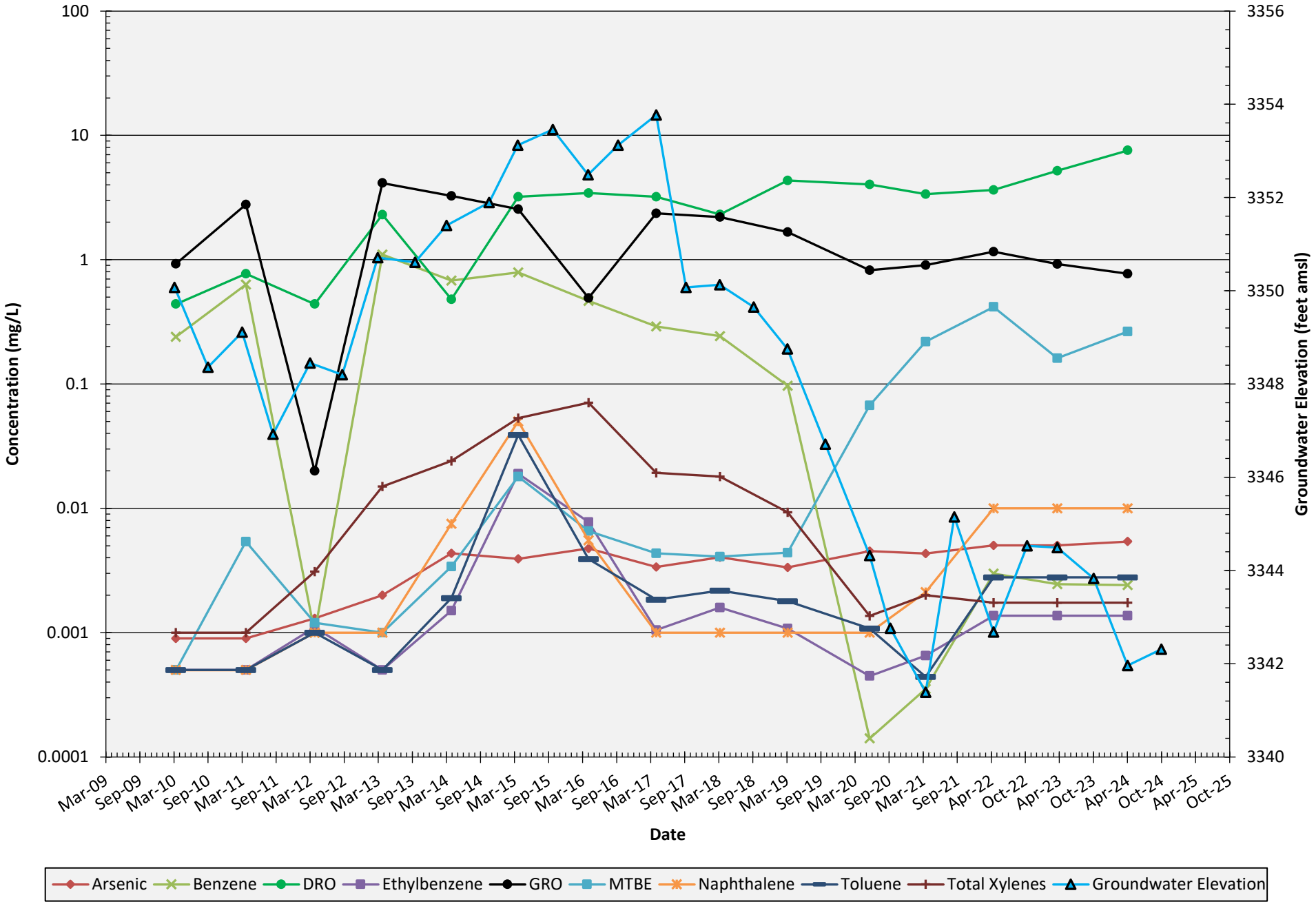
Received by OCD: 6/12/2025 1:19:15 PM

RW-9: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

North Refinery



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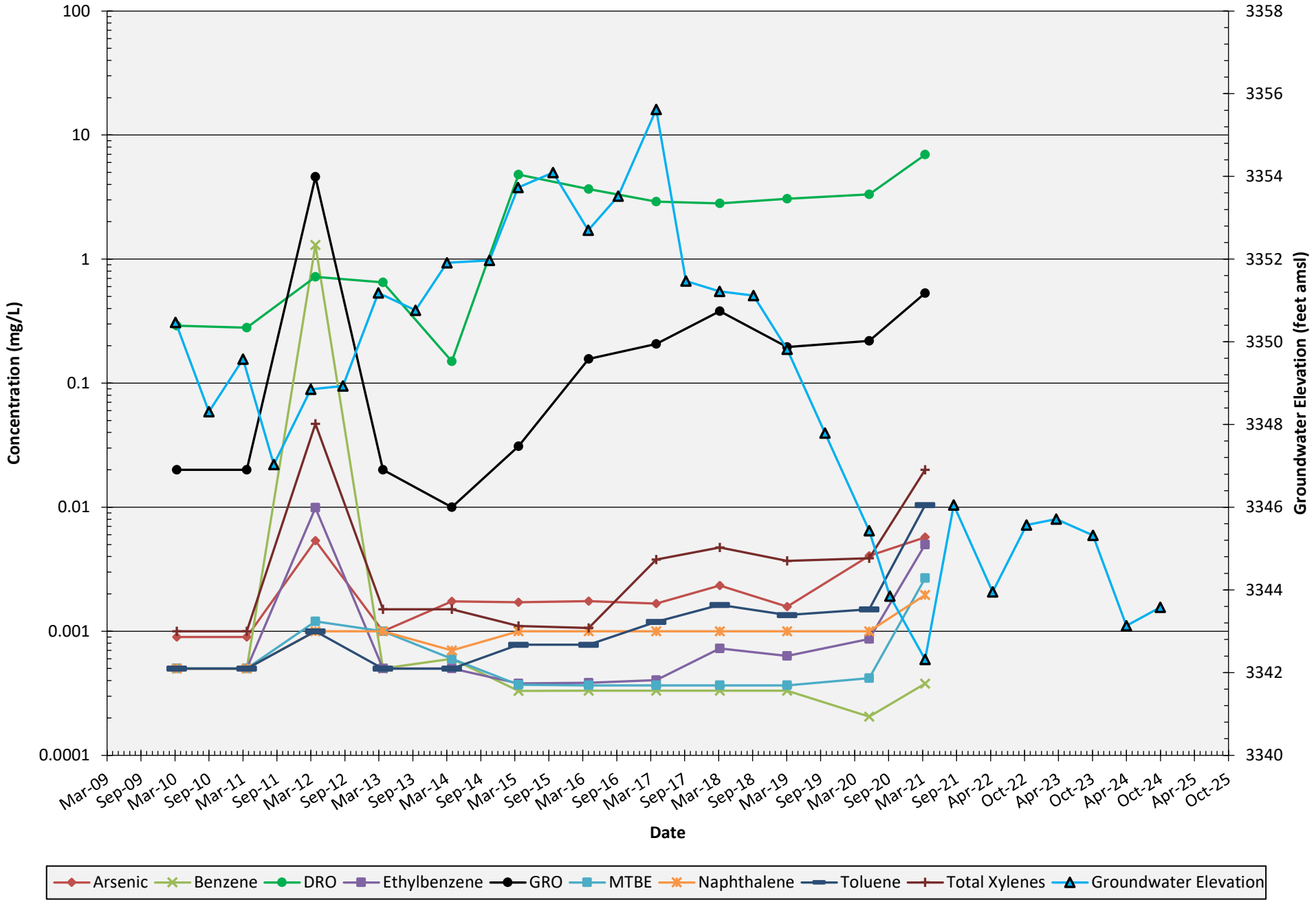
Received by OCD: 6/12/2025 1:19:15 PM

RW-10: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

North Refinery



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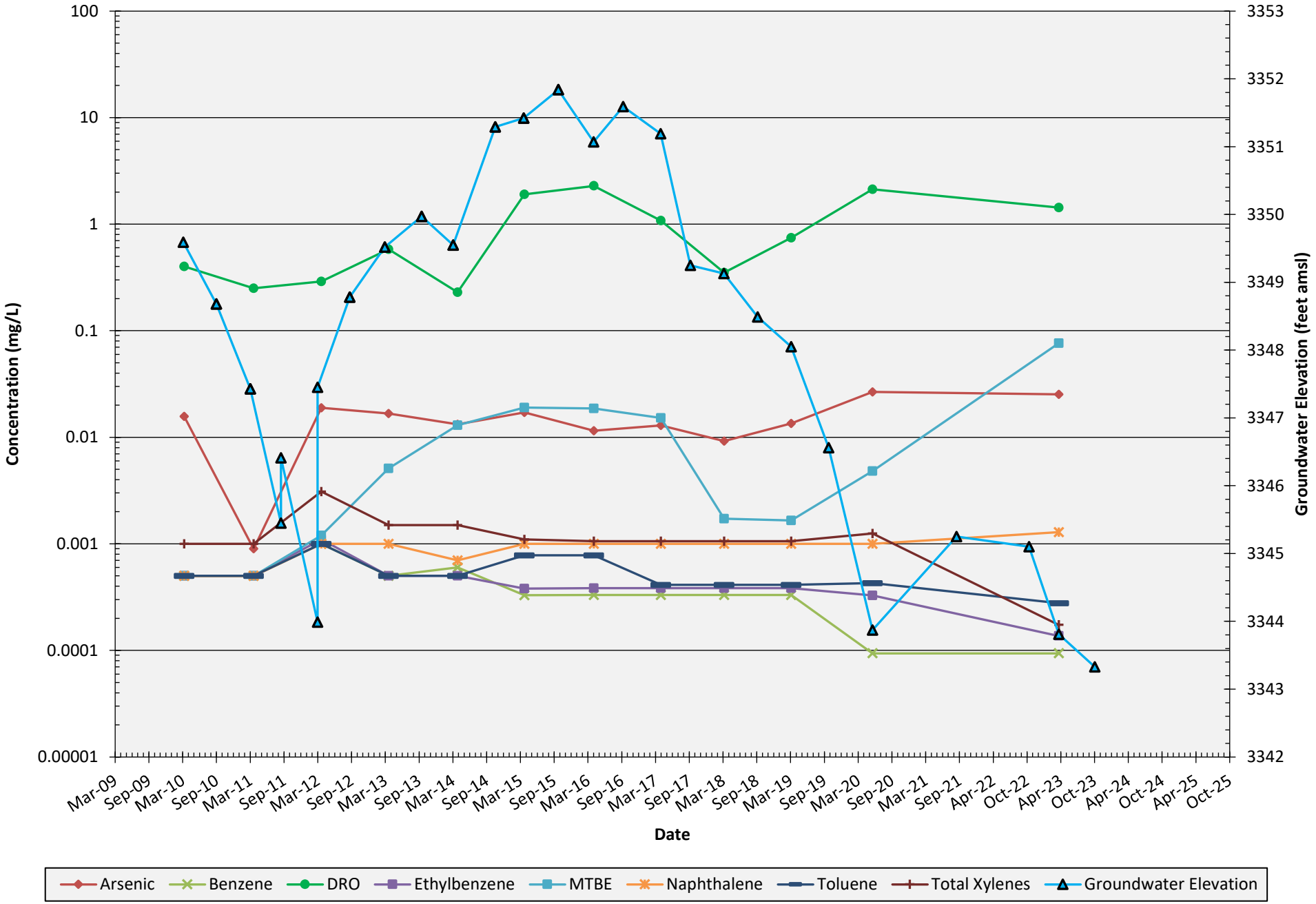
Received by OCD: 6/12/2025 1:19:15 PM

RW-16: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

North Refinery



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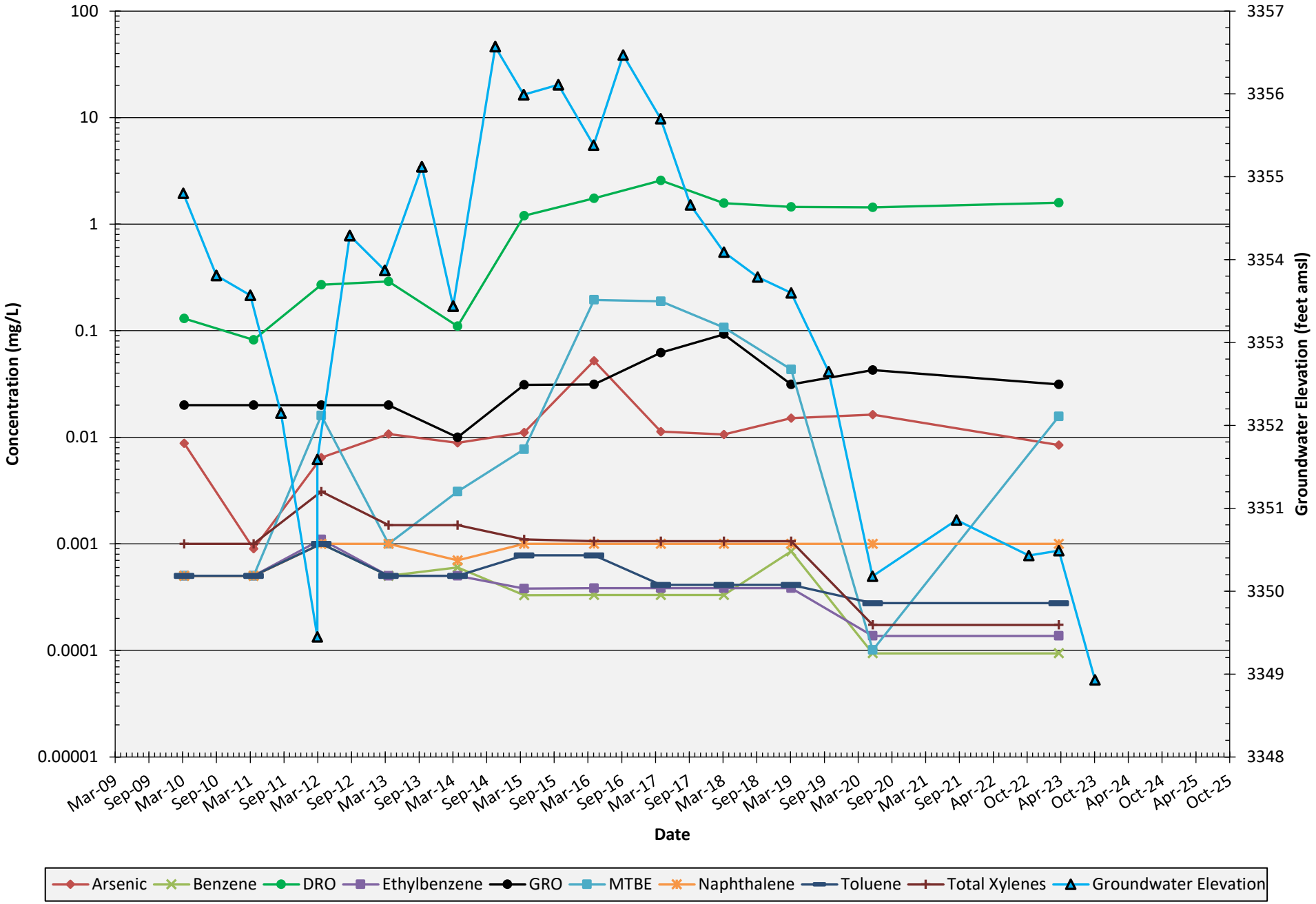
Received by OCD: 6/12/2025 1:19:15 PM

RW-17: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

North Refinery



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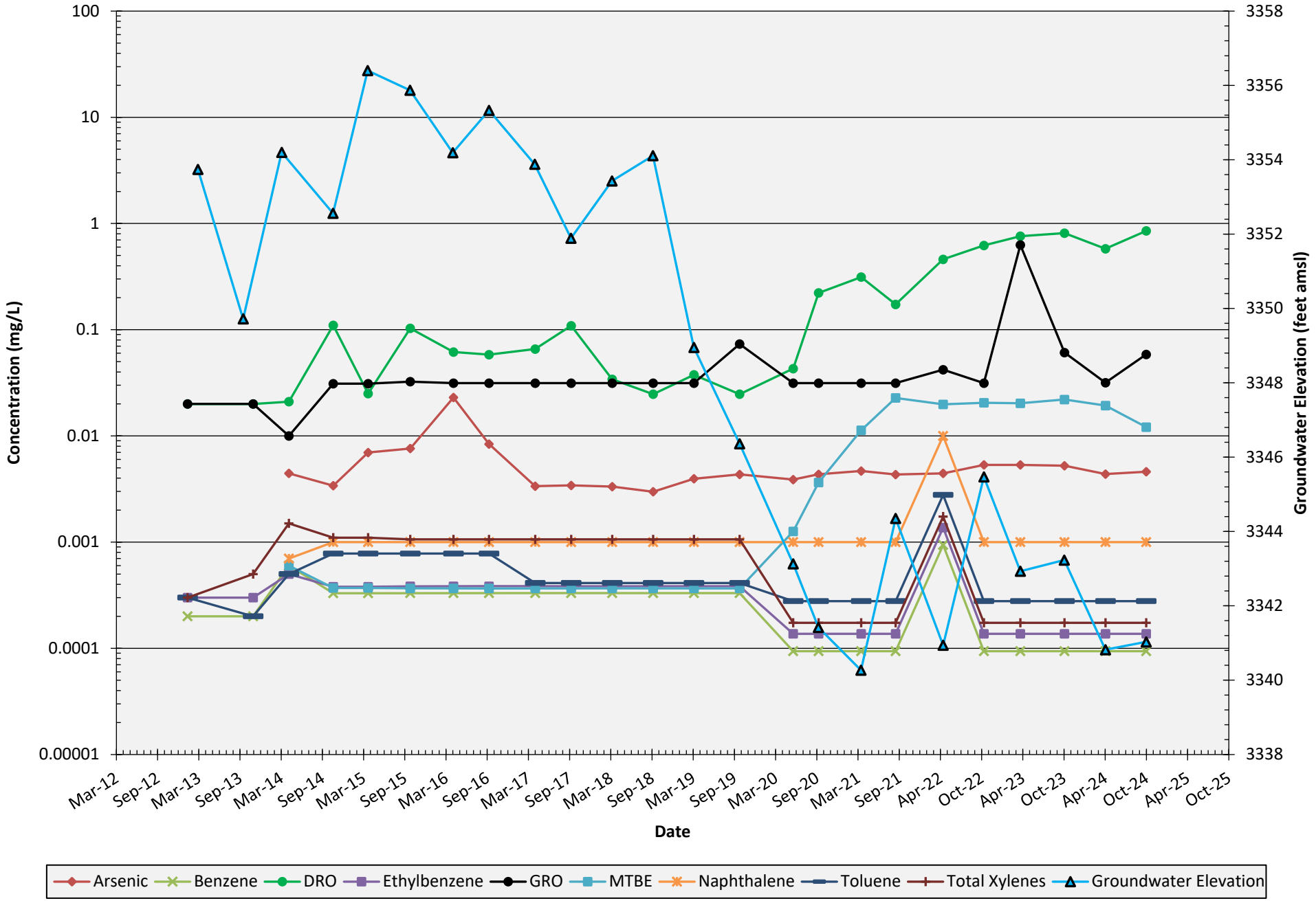
Received by OCD: 6/12/2025 1:19:15 PM

MW-115: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

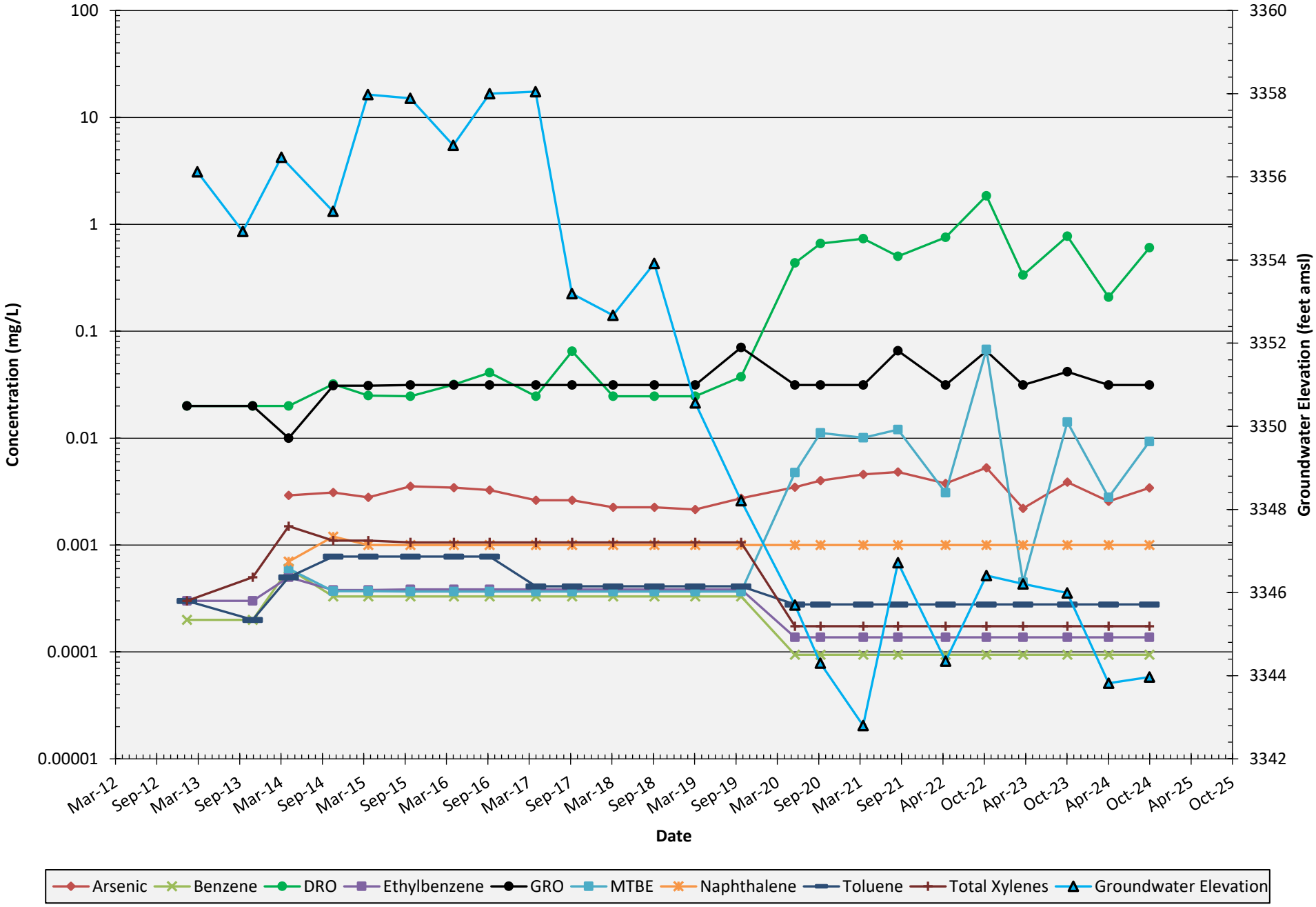
Reverse Osmosis Reject Field



MW-114: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

Reverse Osmosis Reject Field



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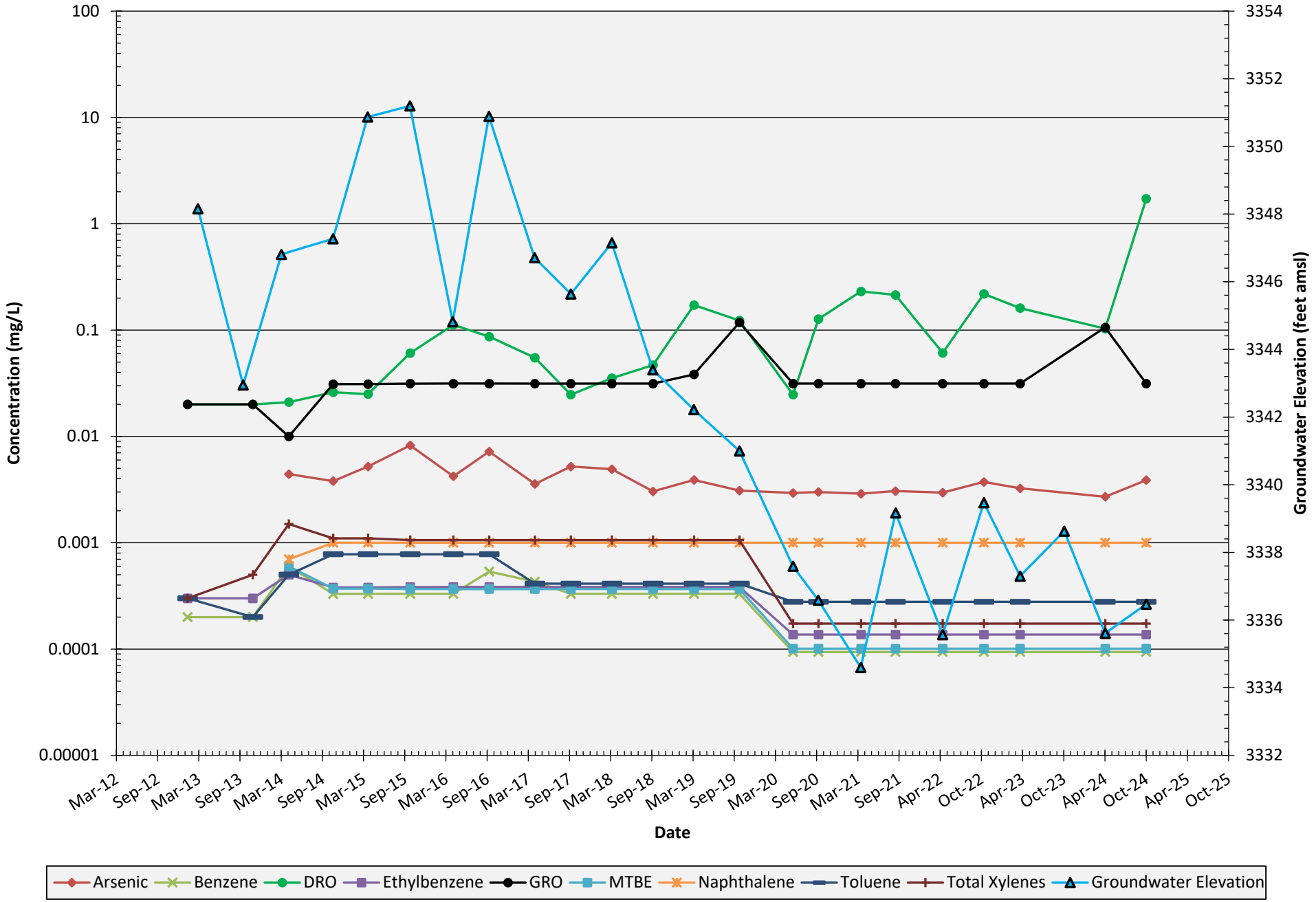
Received by OCD: 6/12/2025 1:19:15 PM

MW-116: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

Reverse Osmosis Reject Field



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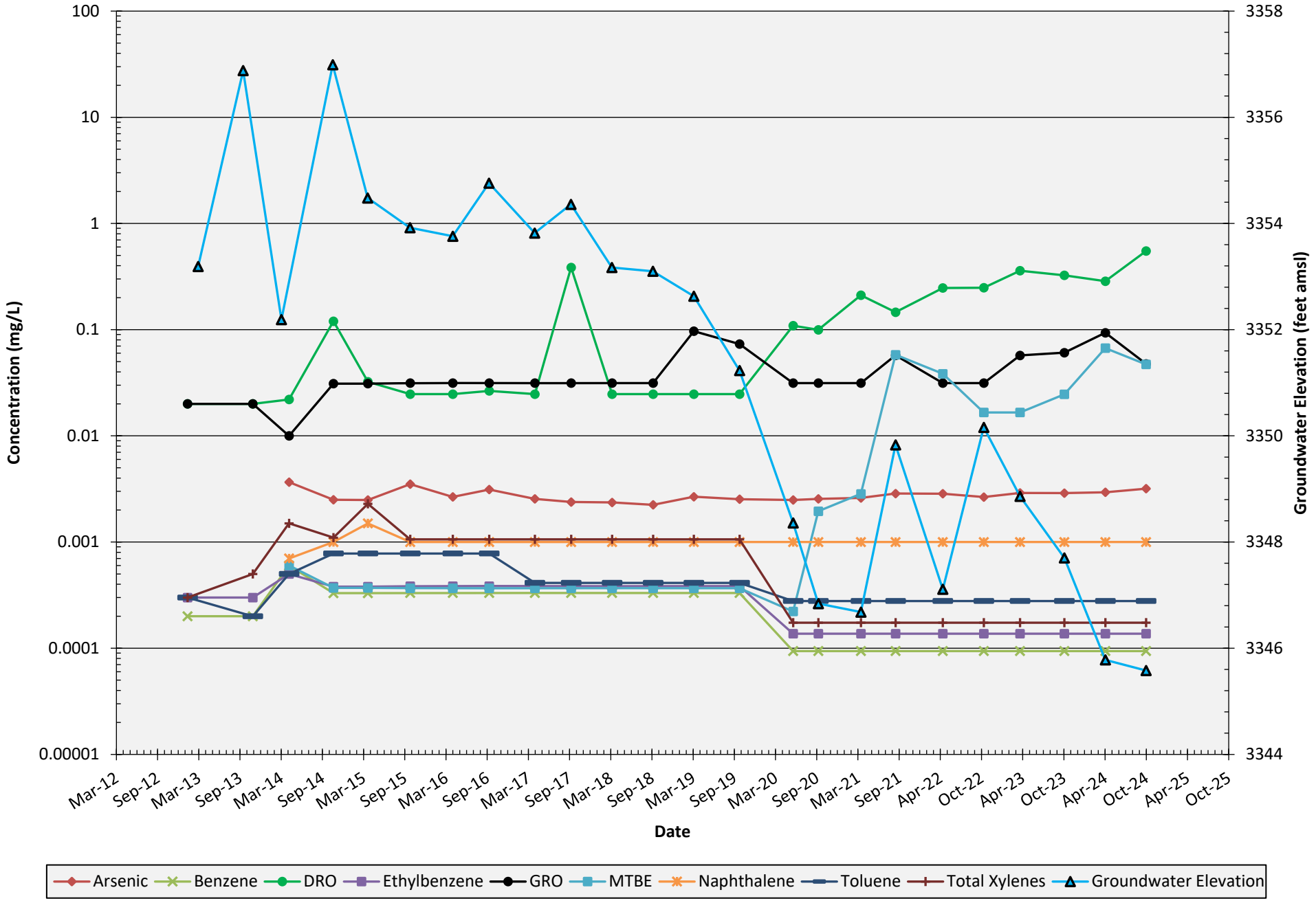
Received by OCD: 6/12/2025 1:19:15 PM

MW-117: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

Reverse Osmosis Reject Field



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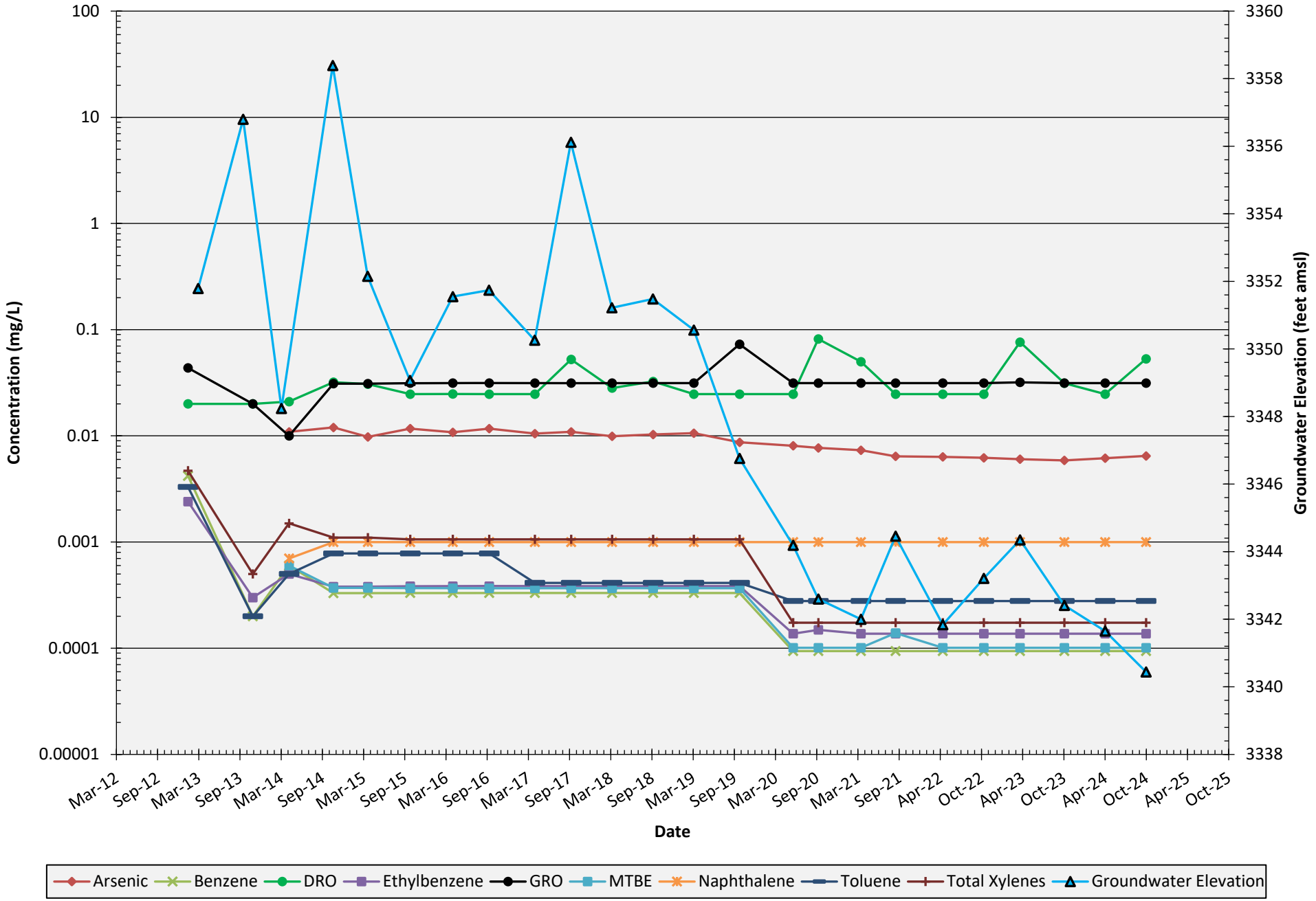
Received by OCD: 6/12/2025 1:19:15 PM

MW-118: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

Reverse Osmosis Reject Field



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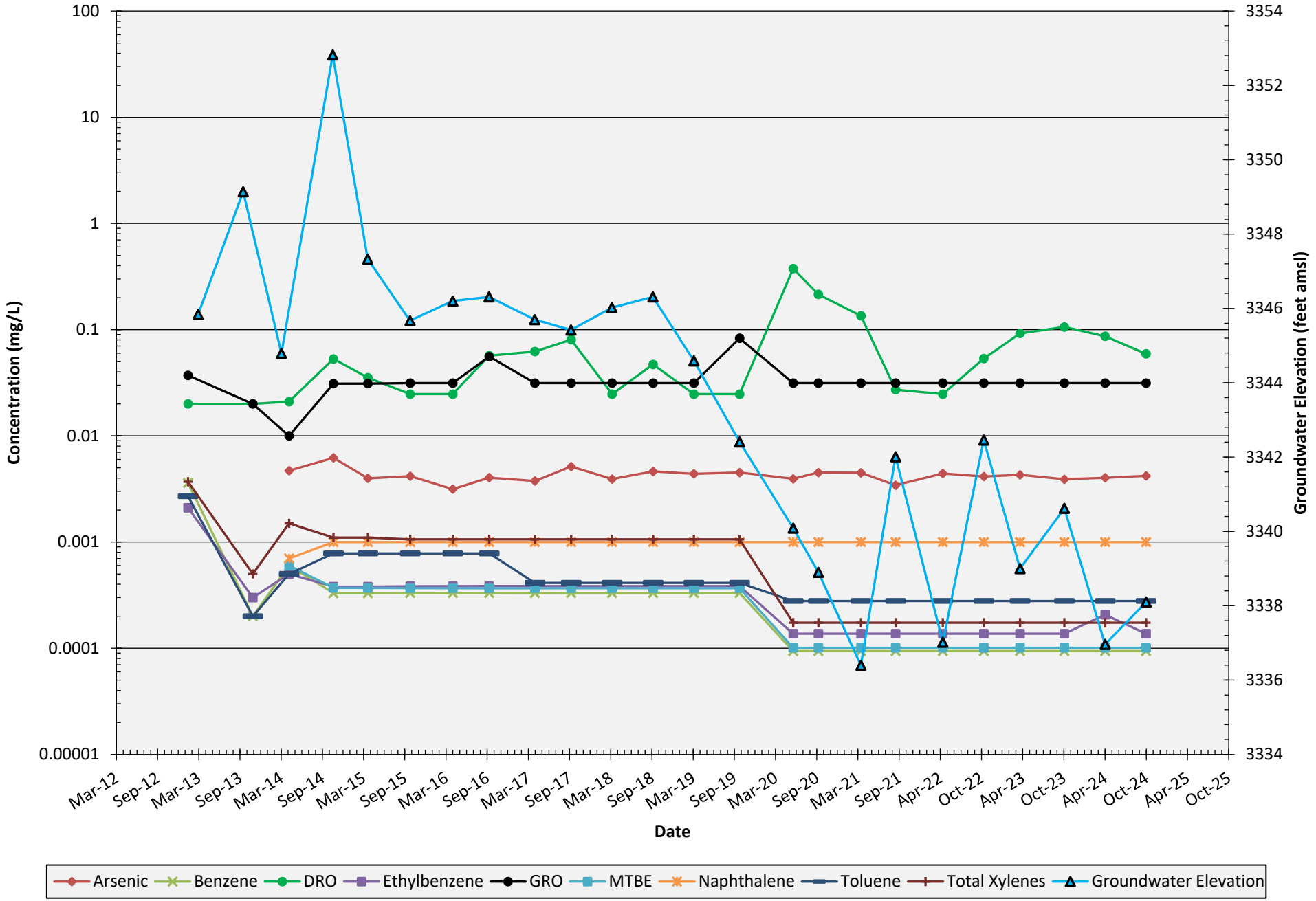
Received by OCD: 6/12/2025 1:19:15 PM

MW-119: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

Reverse Osmosis Reject Field



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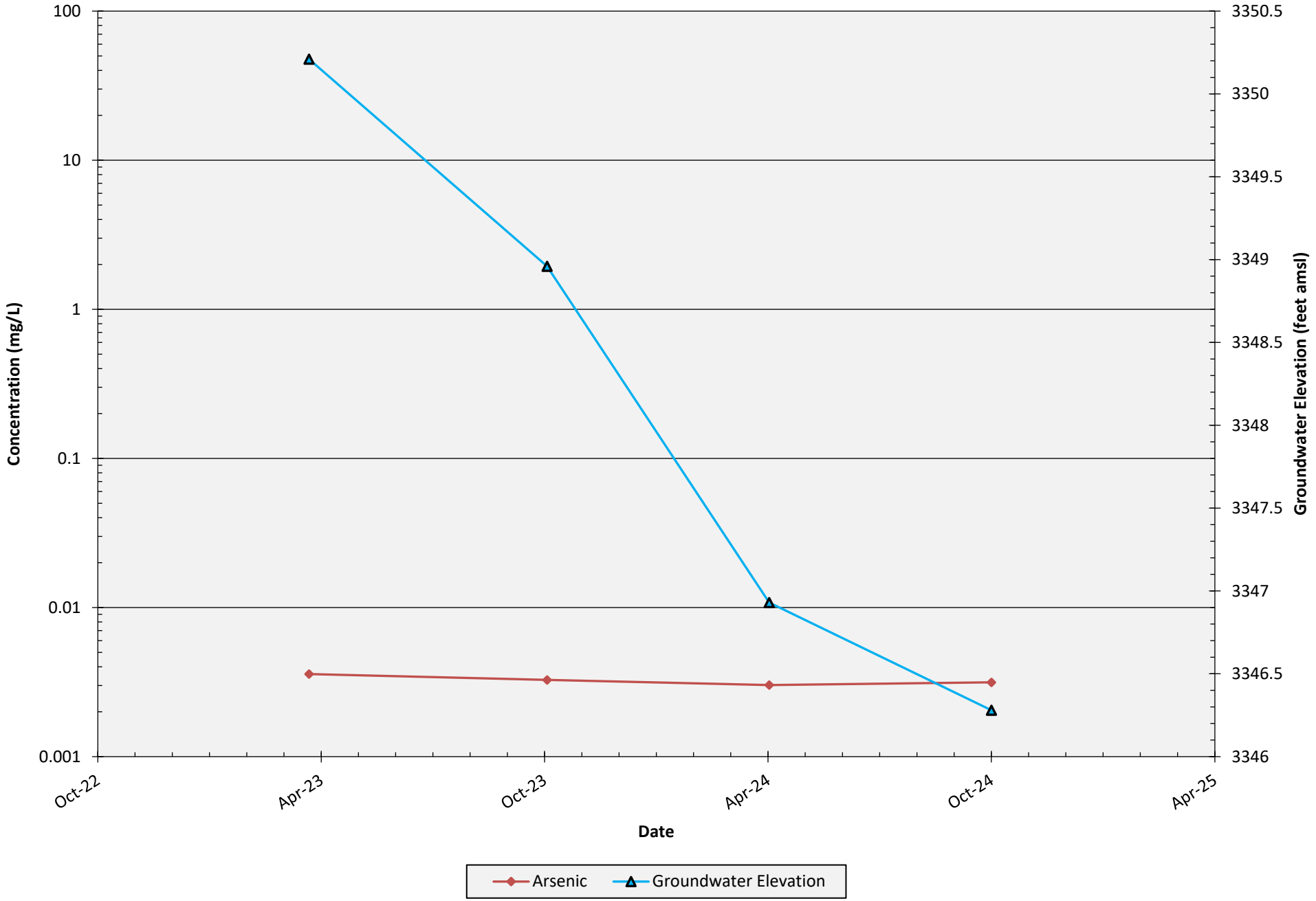
Received by OCD: 6/12/2025 1:19:15 PM

MW-140: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

Reverse Osmosis Reject Field



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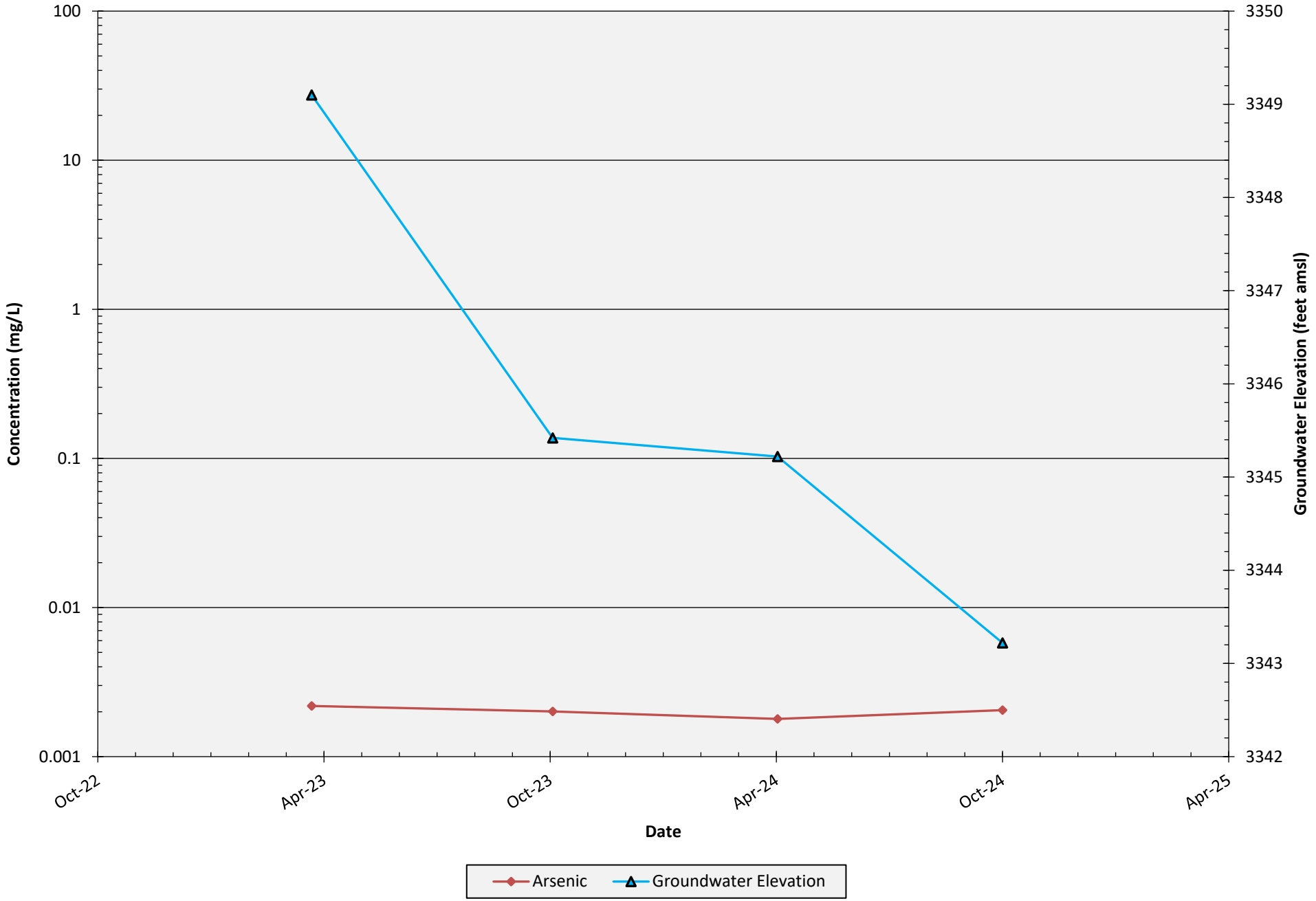
Received by OCD: 6/12/2025 1:19:15 PM

MW-141: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

Reverse Osmosis Reject Field



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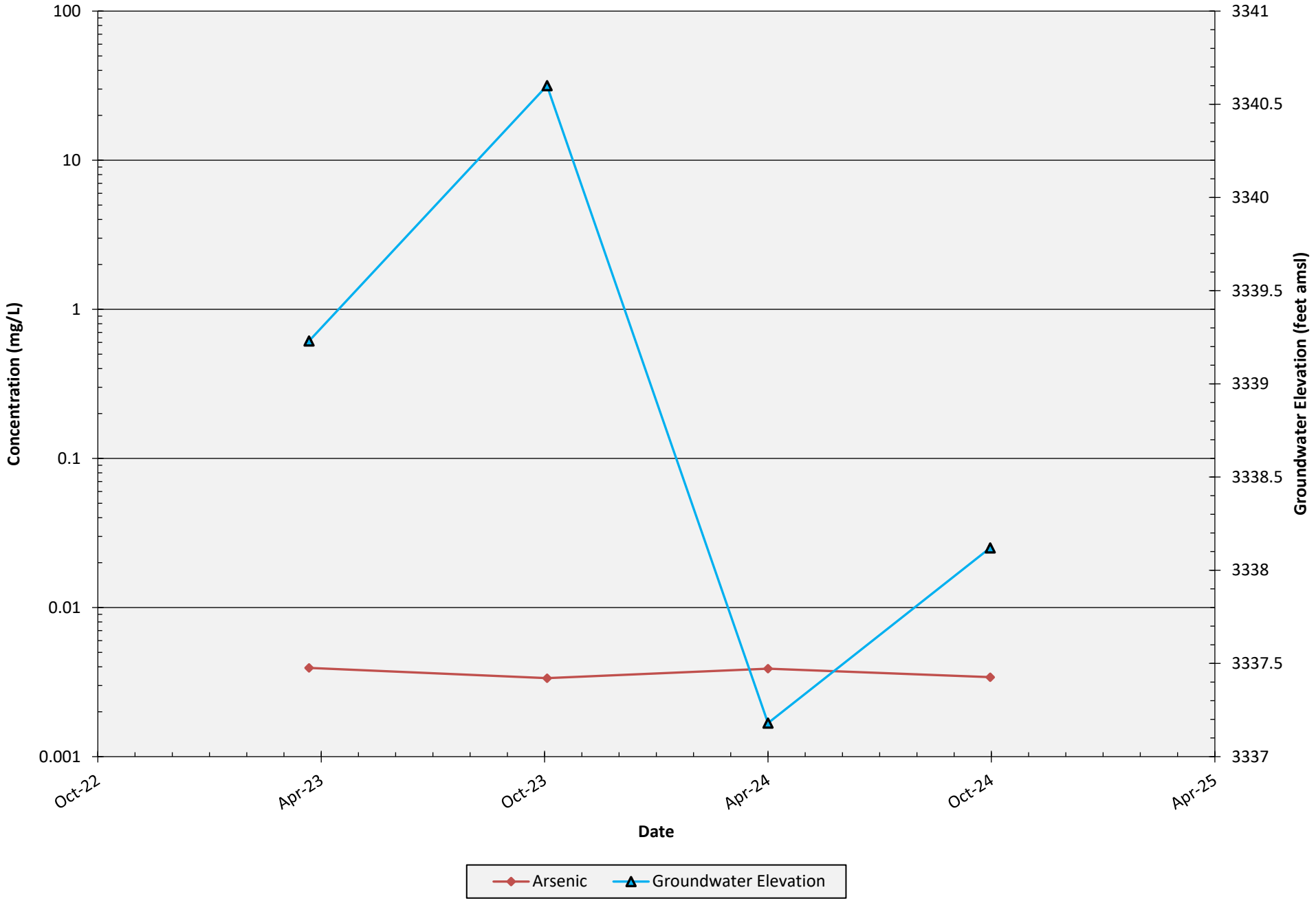
Received by OCD: 6/12/2025 1:19:15 PM

MW-142: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

Reverse Osmosis Reject Field



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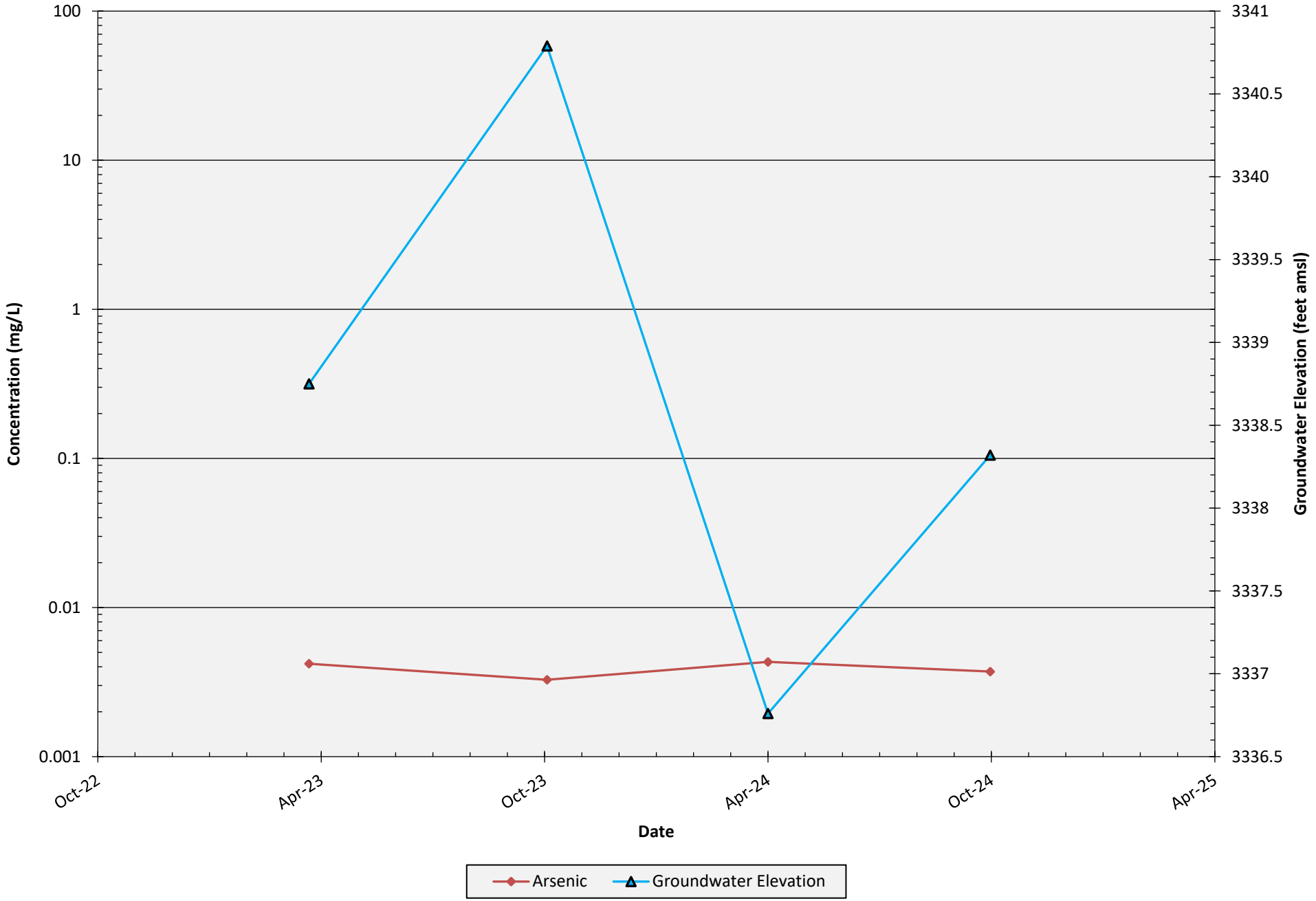
Received by OCD: 6/12/2025 1:19:15 PM

MW-143: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

Reverse Osmosis Reject Field

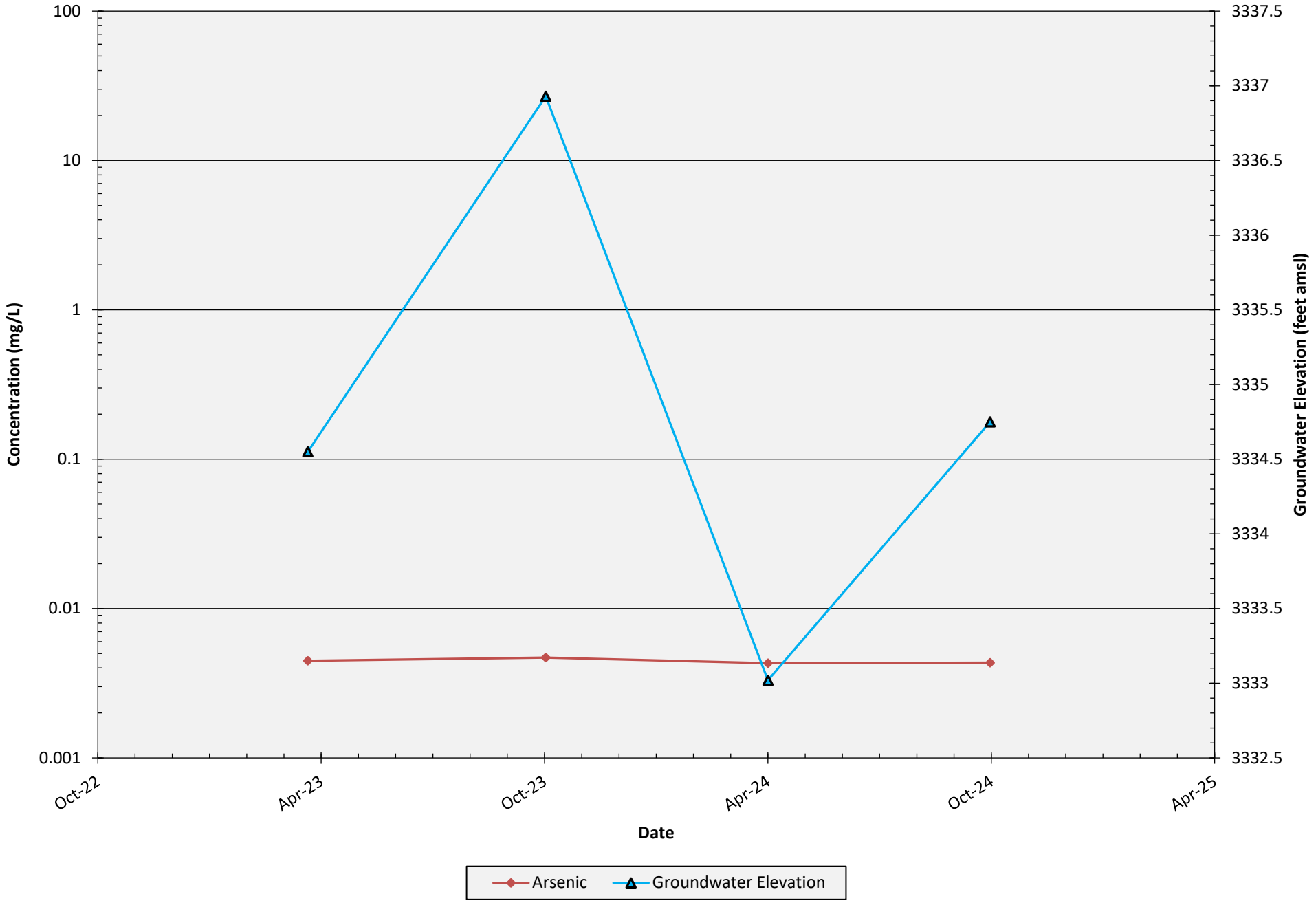


Released to Imaging: 6/17/2025 4:41:11 PM
Received by OCD: 6/12/2025 1:19:15 PM

MW-144: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

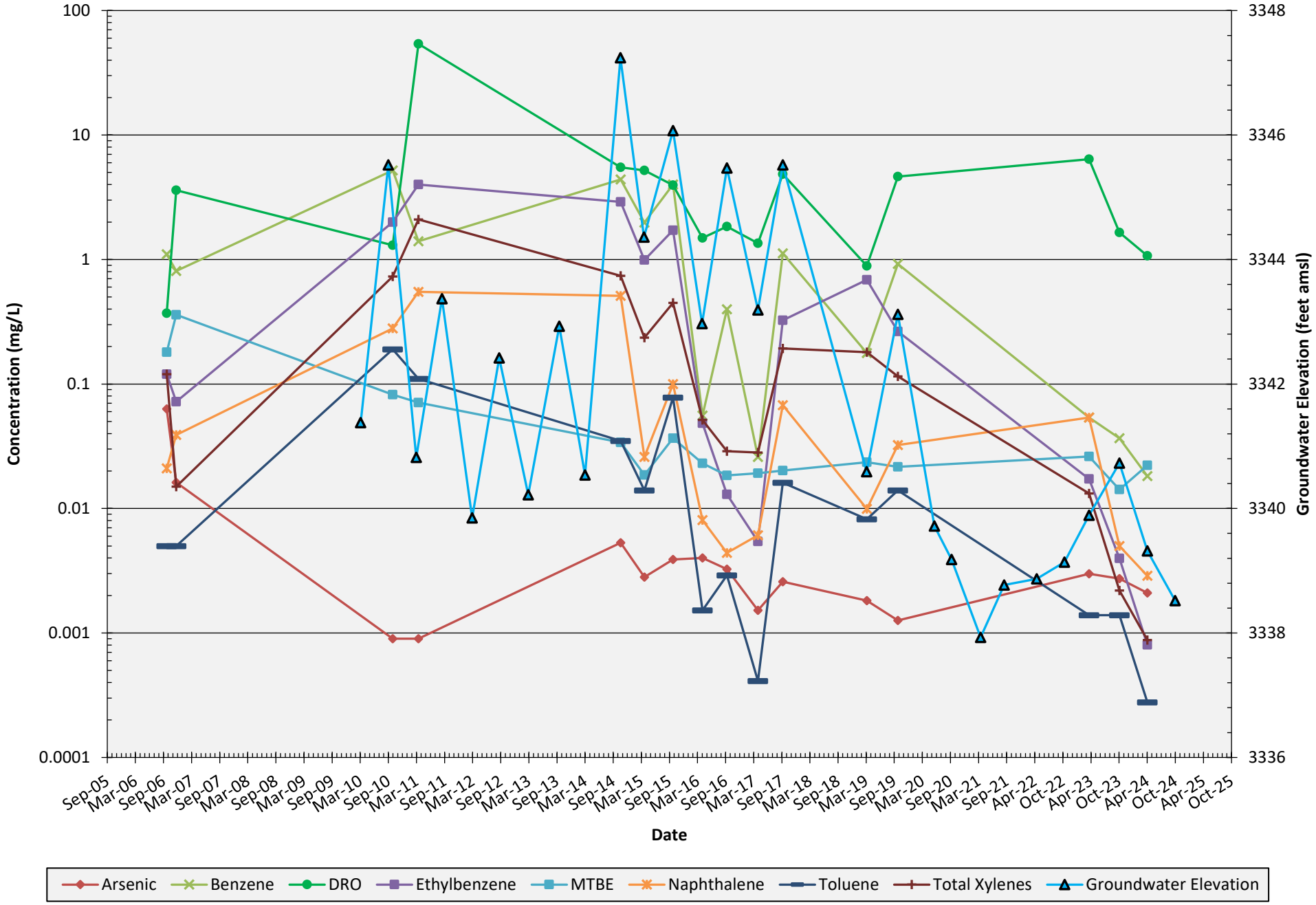
Reverse Osmosis Reject Field



KWB-2R: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

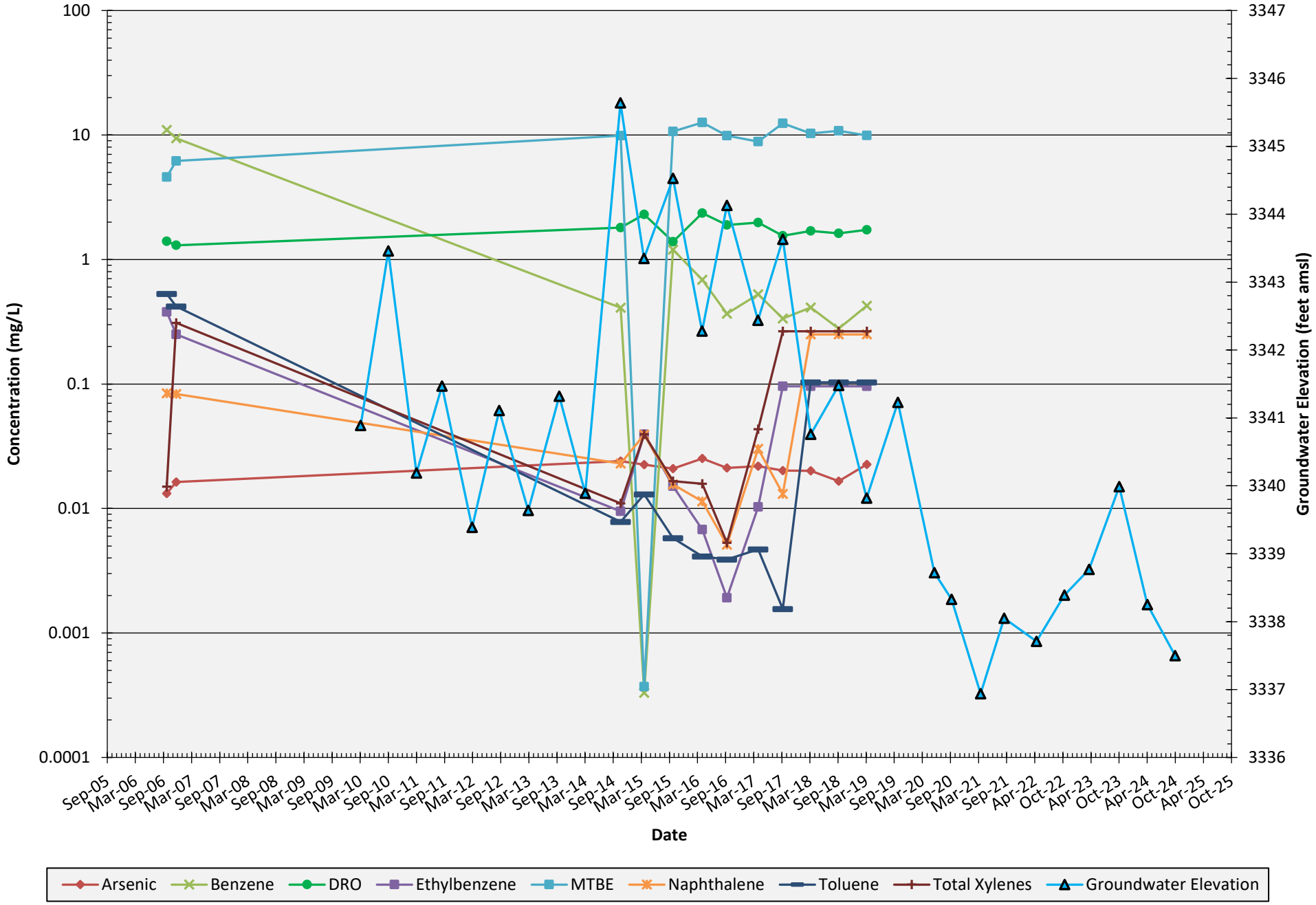
South Refinery



KWB-5: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

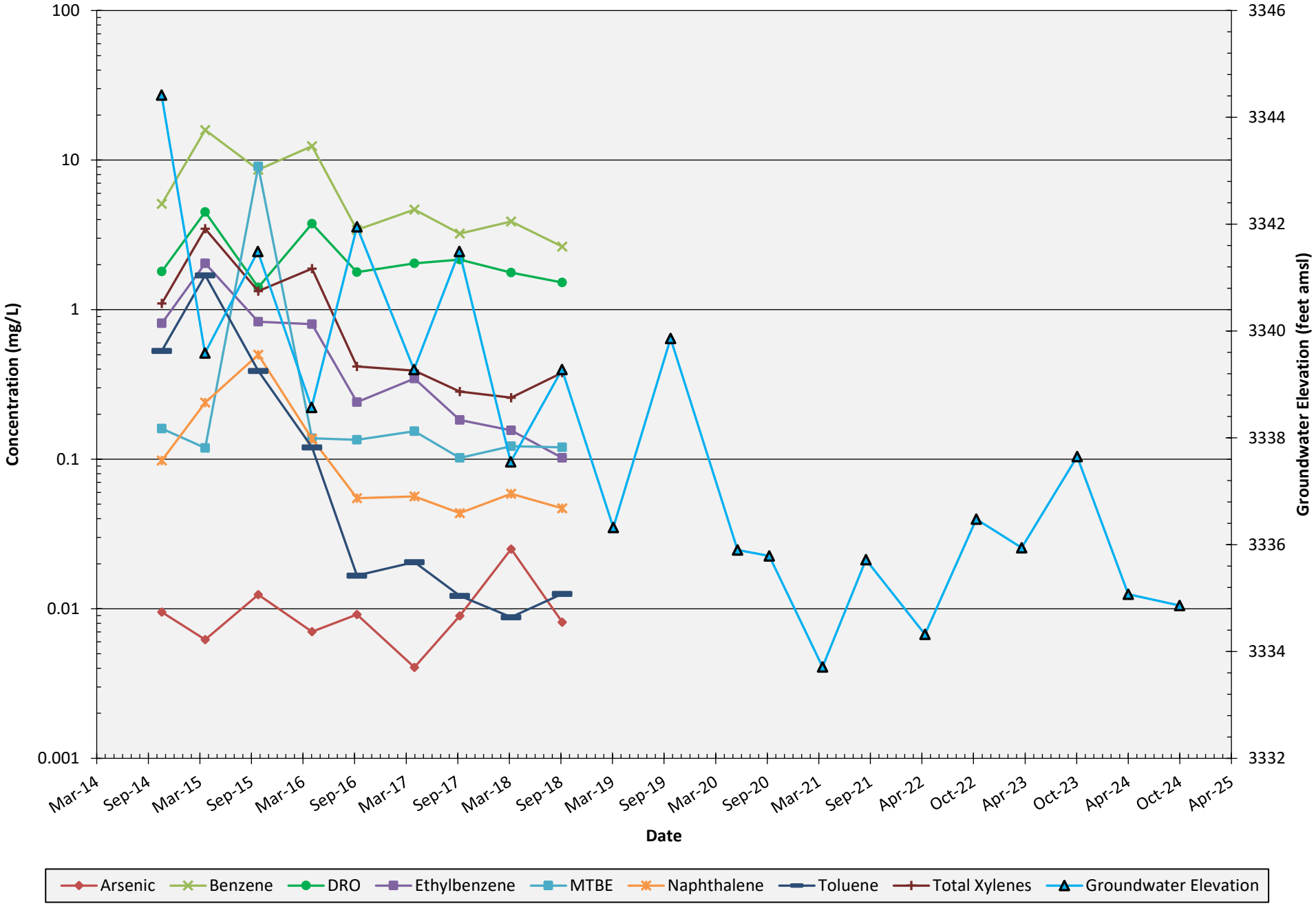
South Refinery



KWB-6: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

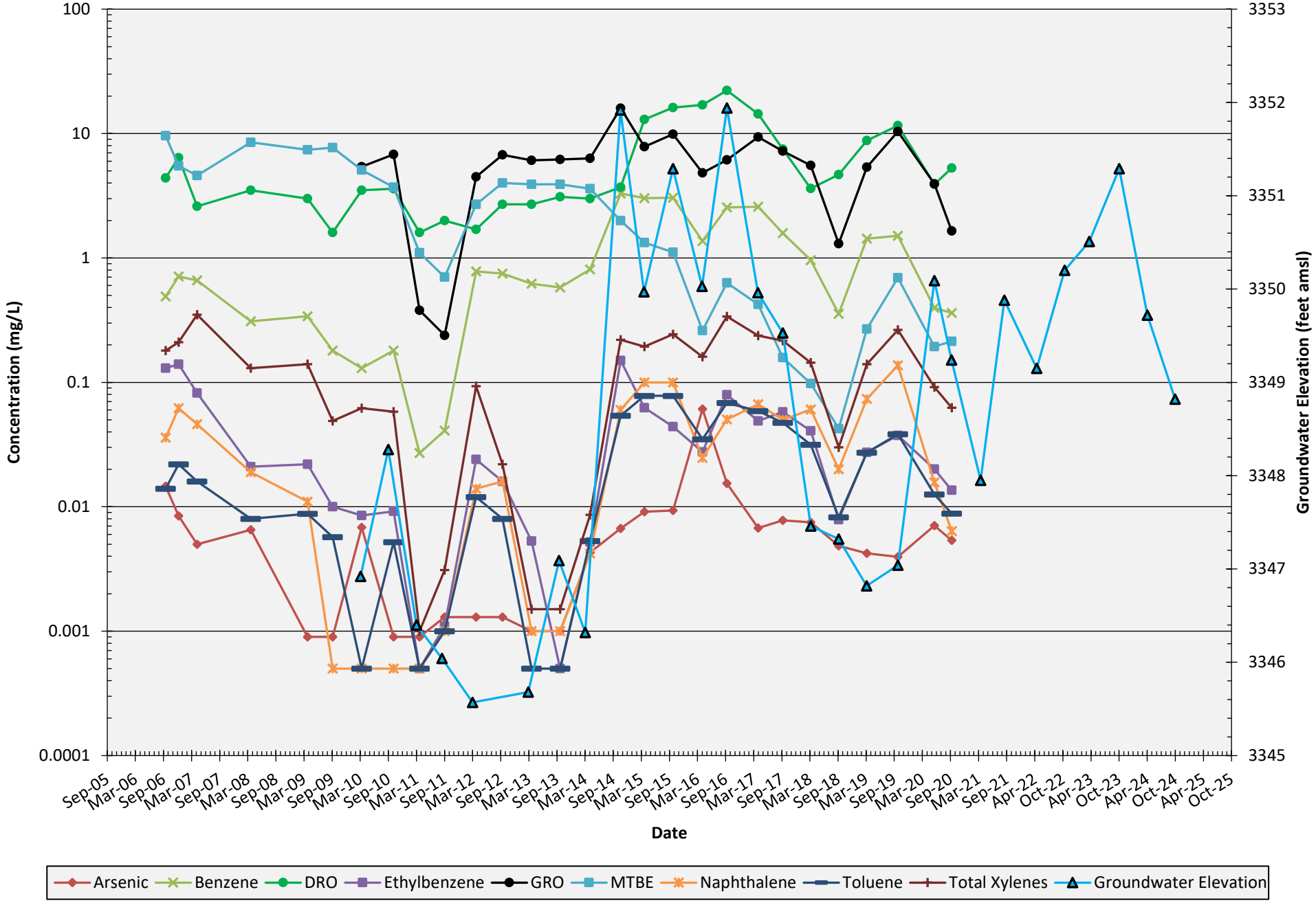
South Refinery



MW-28: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

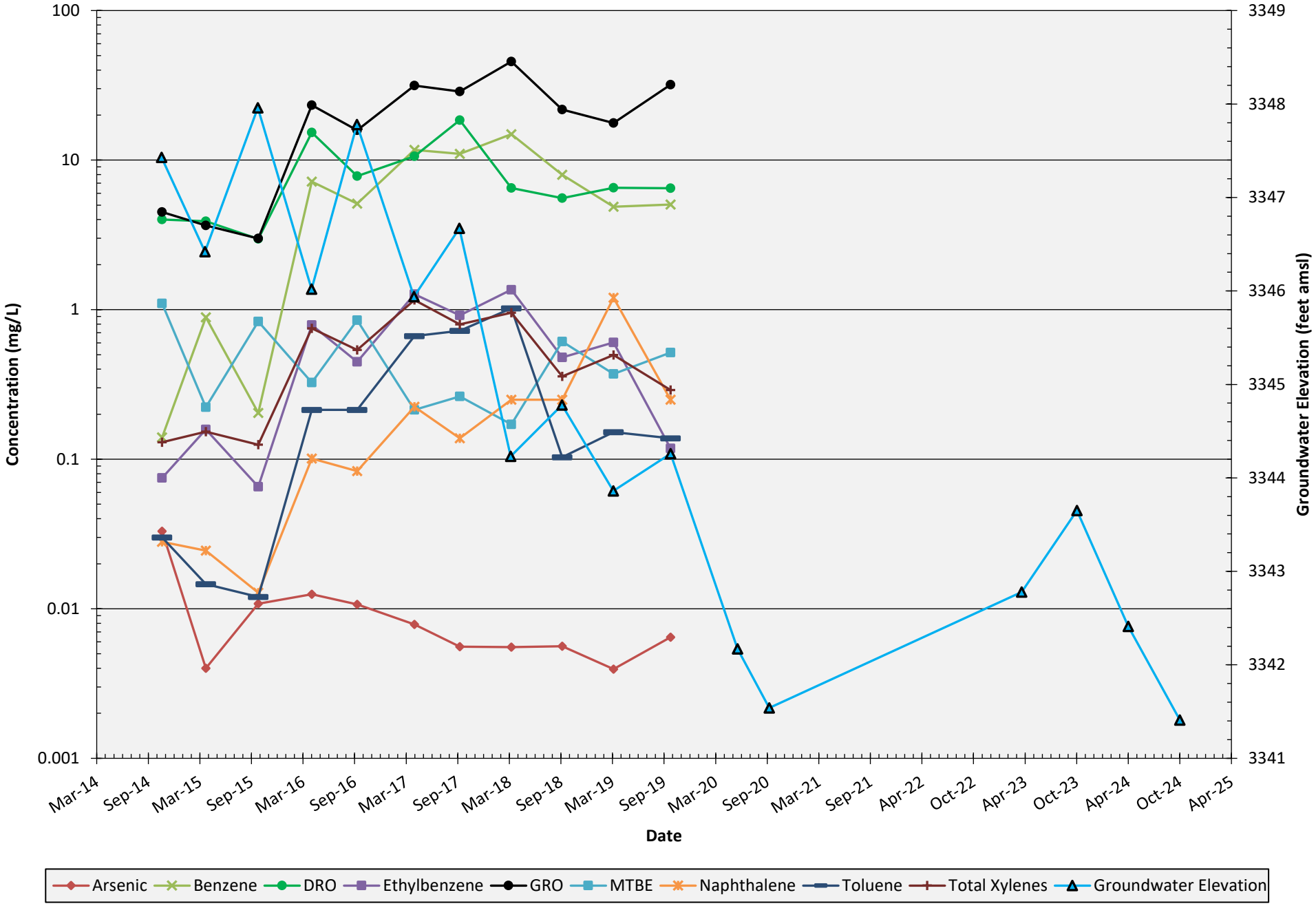
South Refinery



MW-48: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

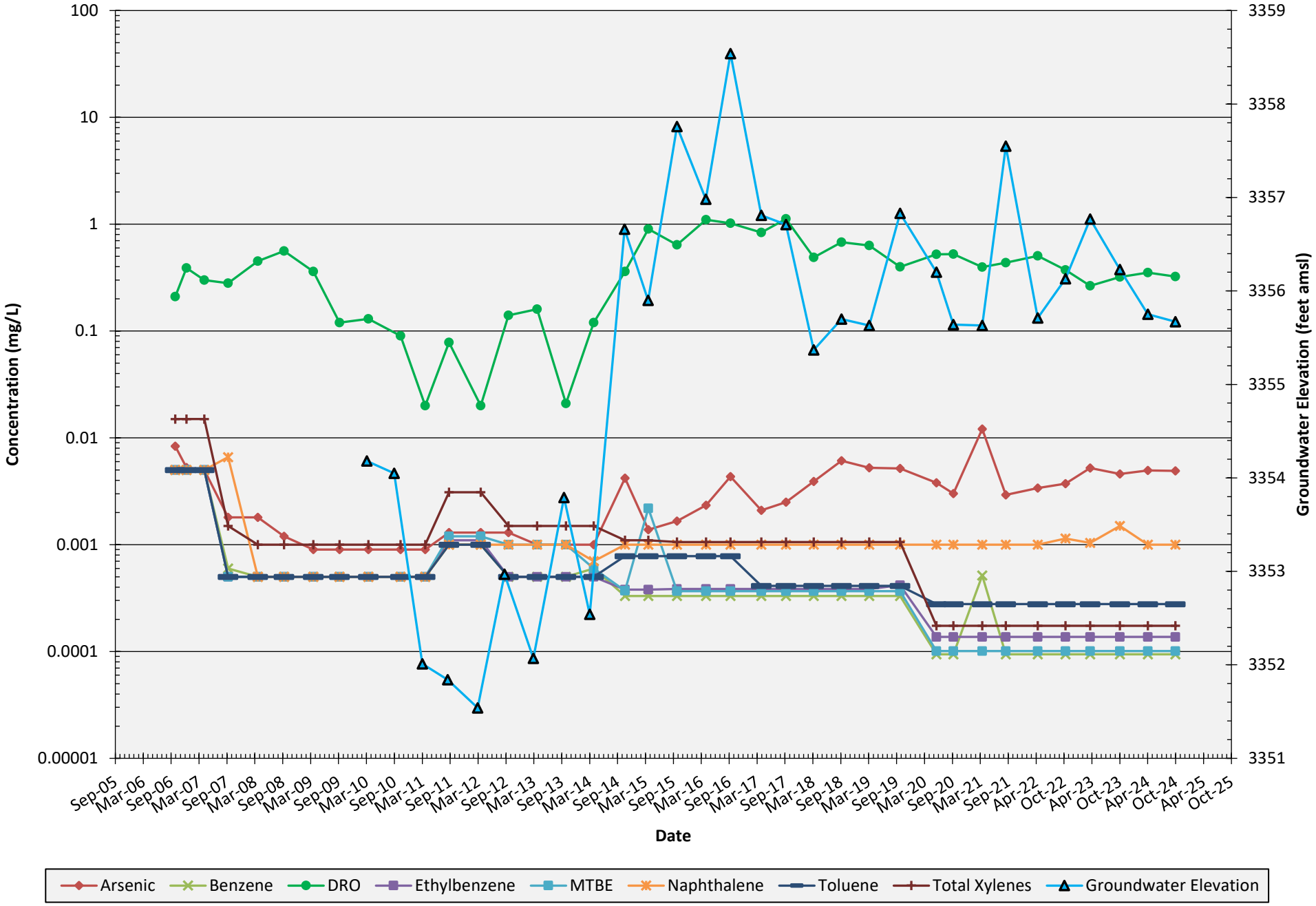
South Refinery



MW-50: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

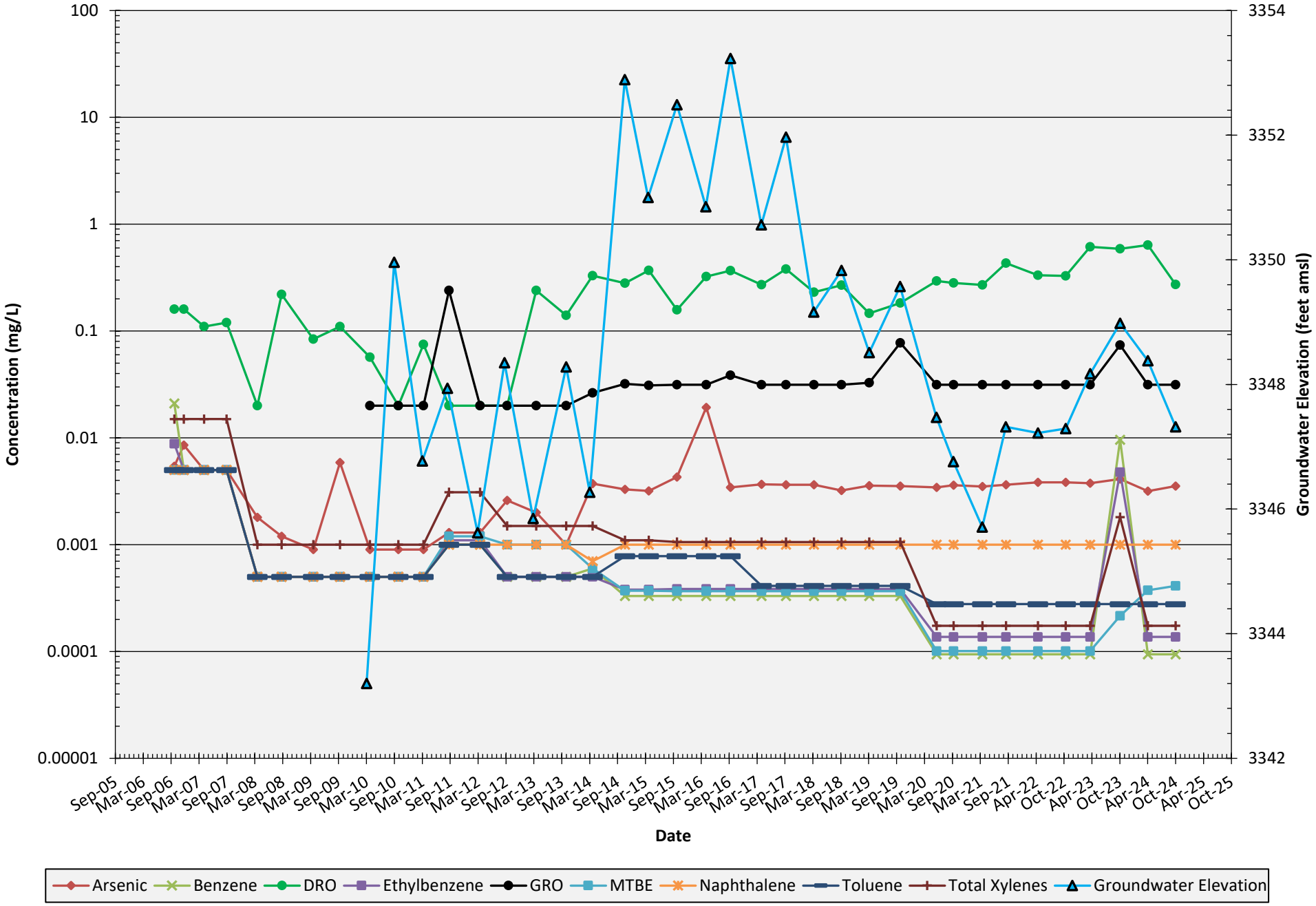
South Refinery



MW-52: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

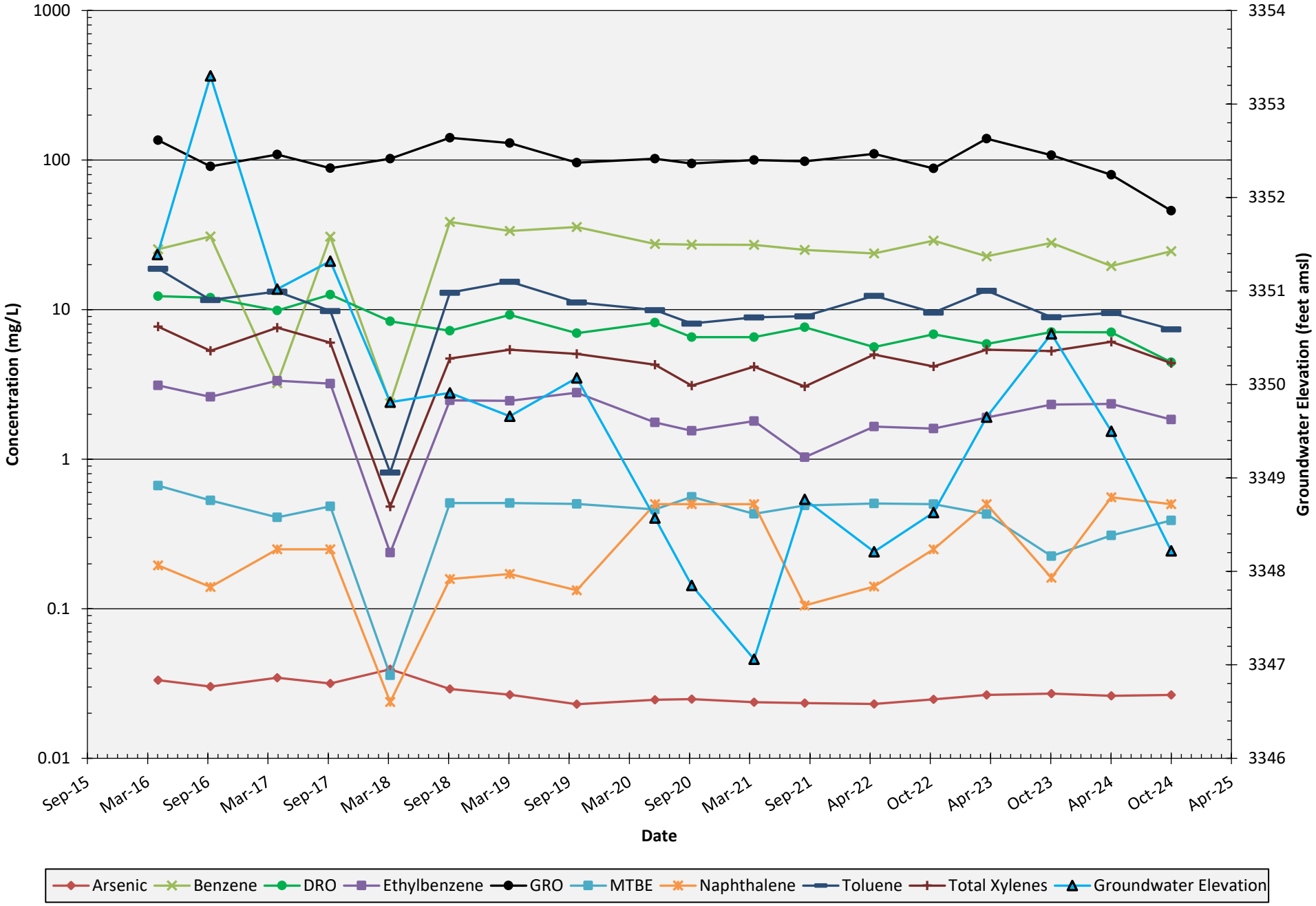
South Refinery



MW-64: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

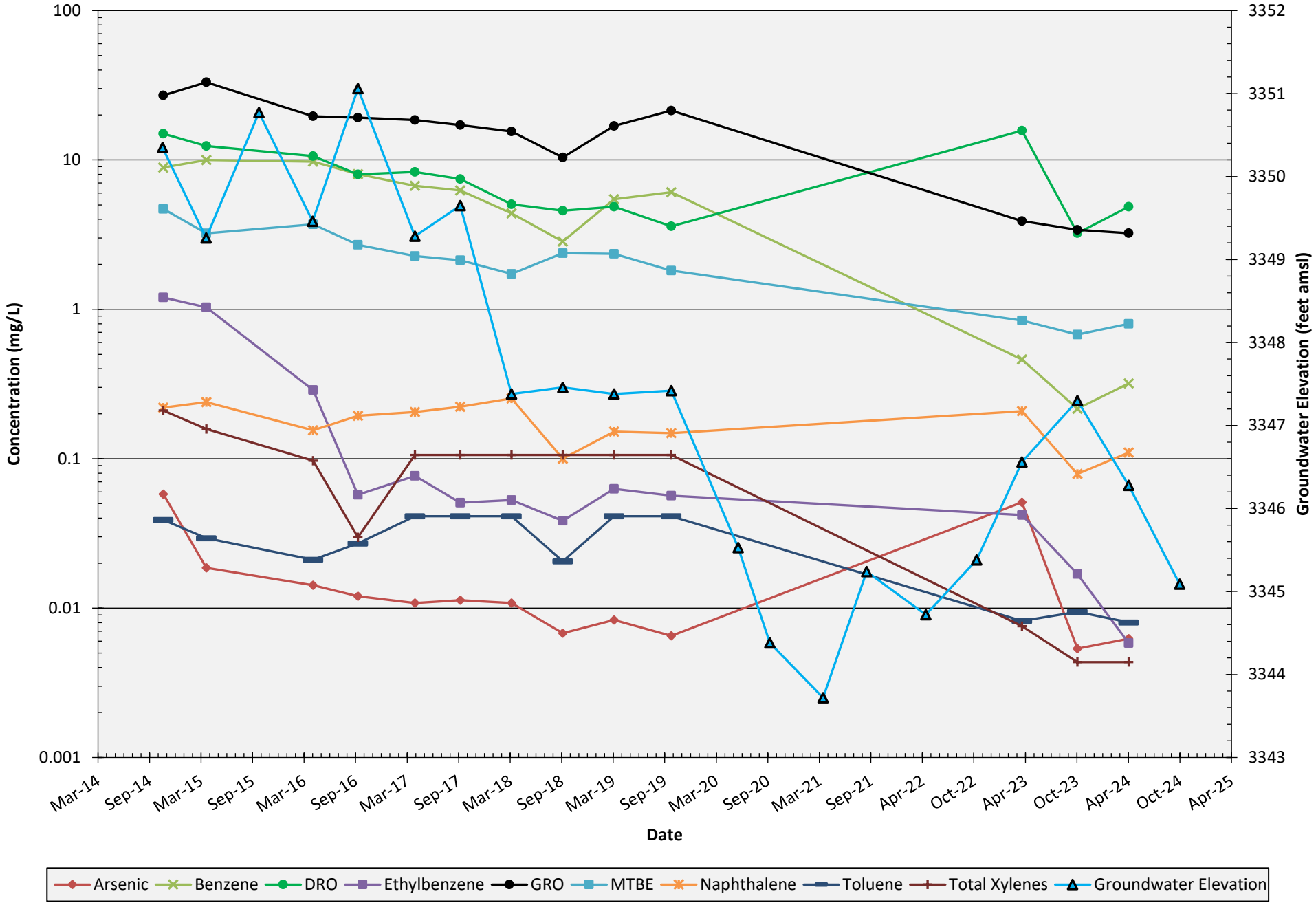
South Refinery



MW-65: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

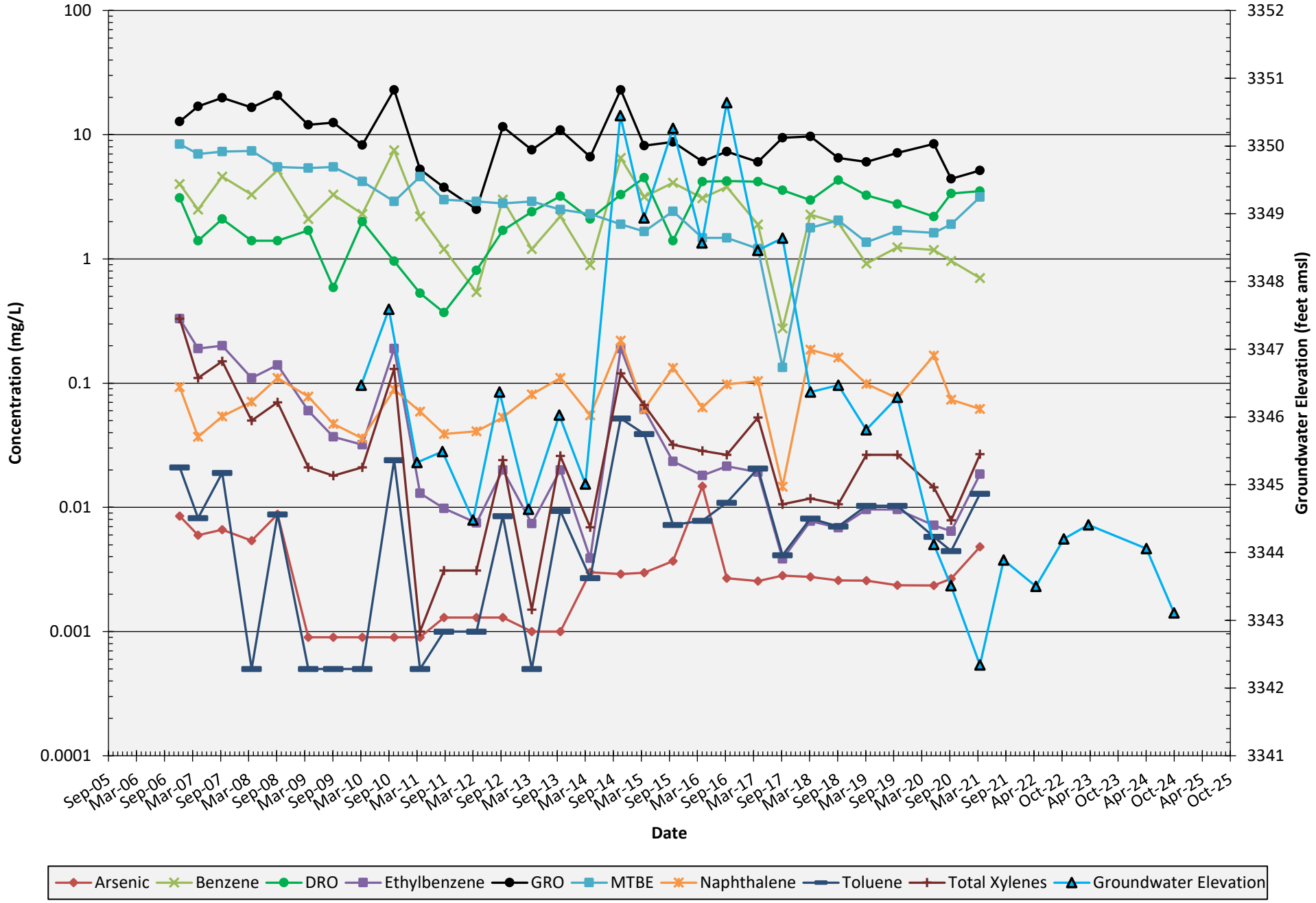
South Refinery



MW-66: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

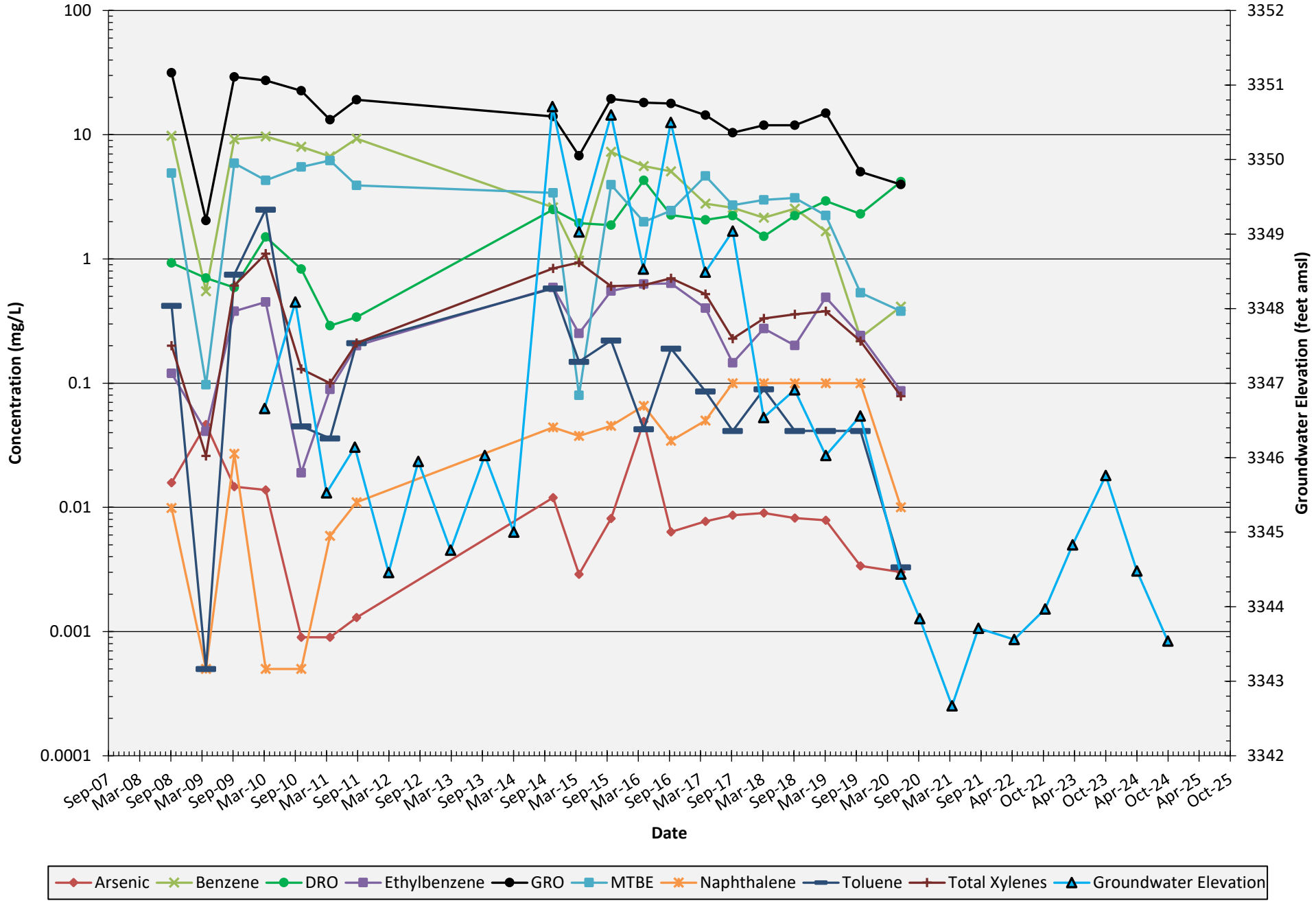
South Refinery



MW-99: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

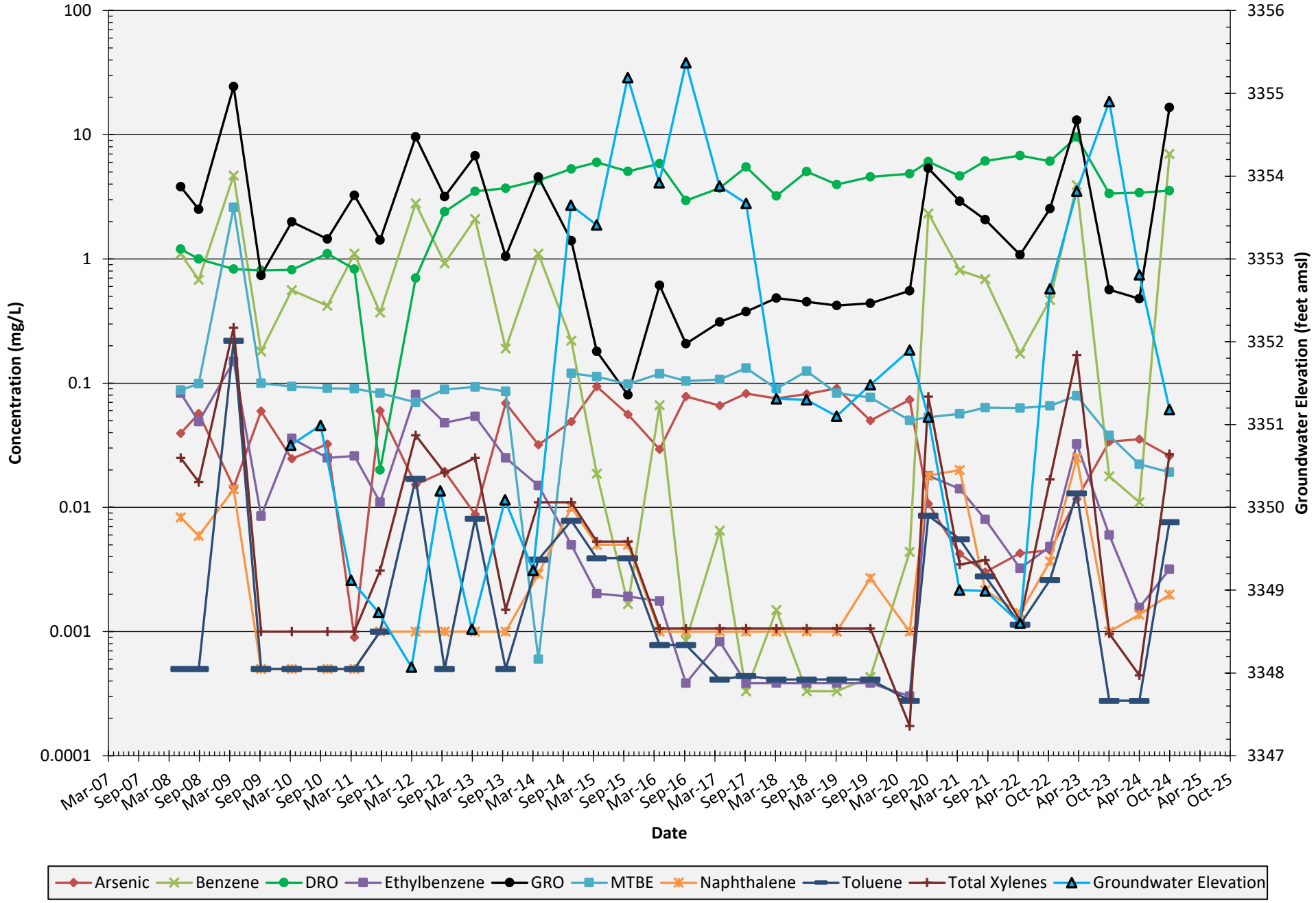
South Refinery



MW-101: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

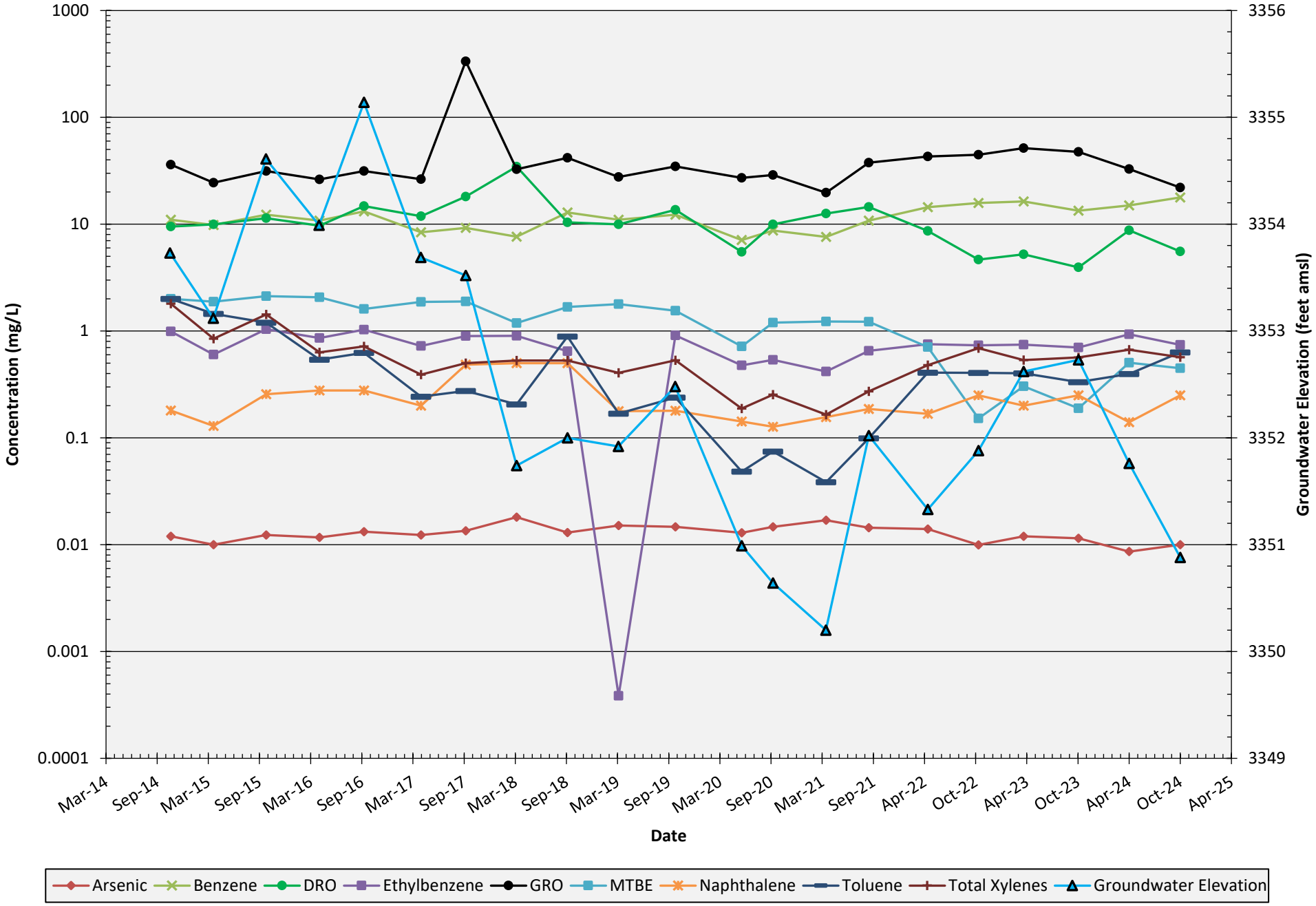
South Refinery



MW-102: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

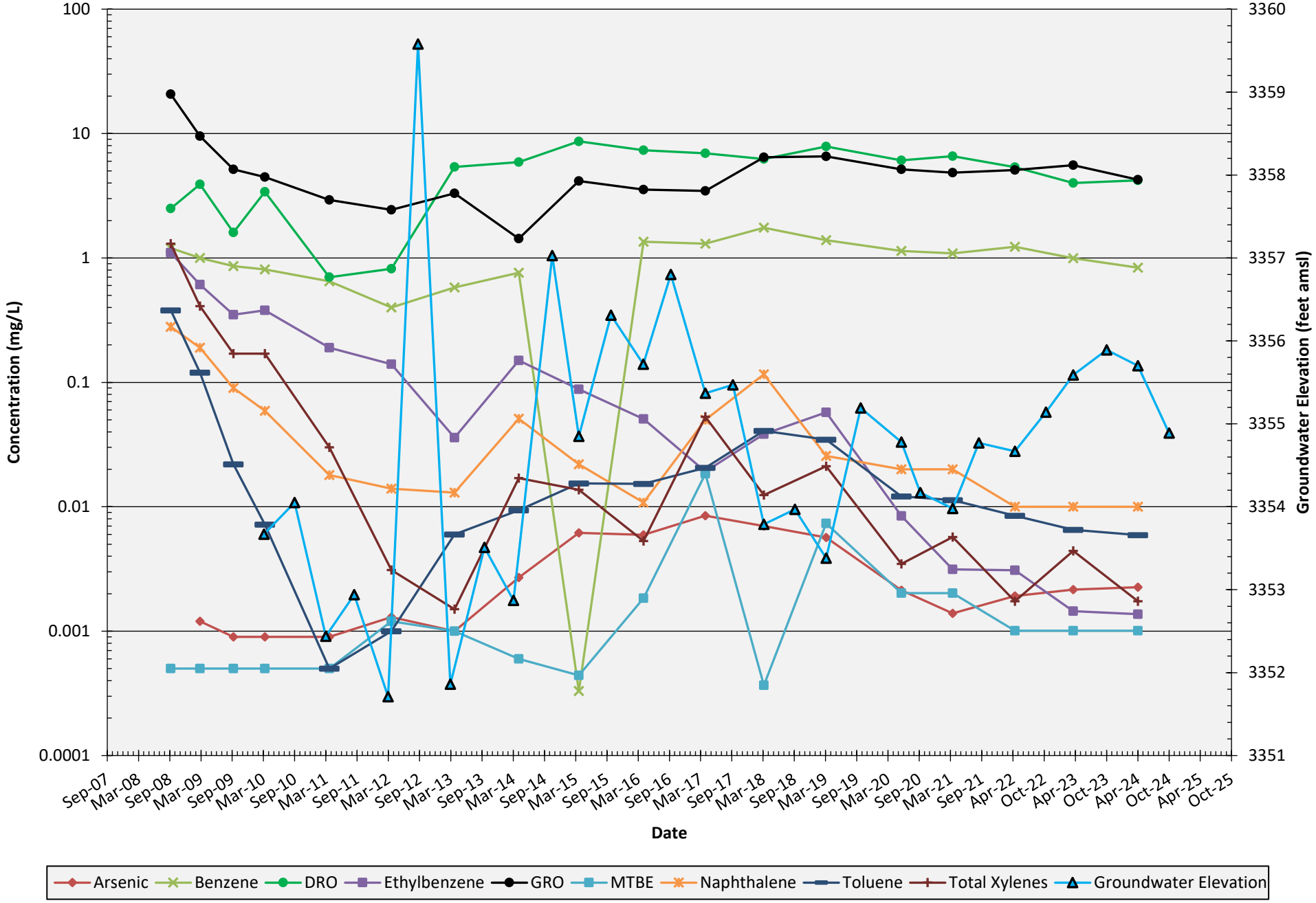
South Refinery



MW-103: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

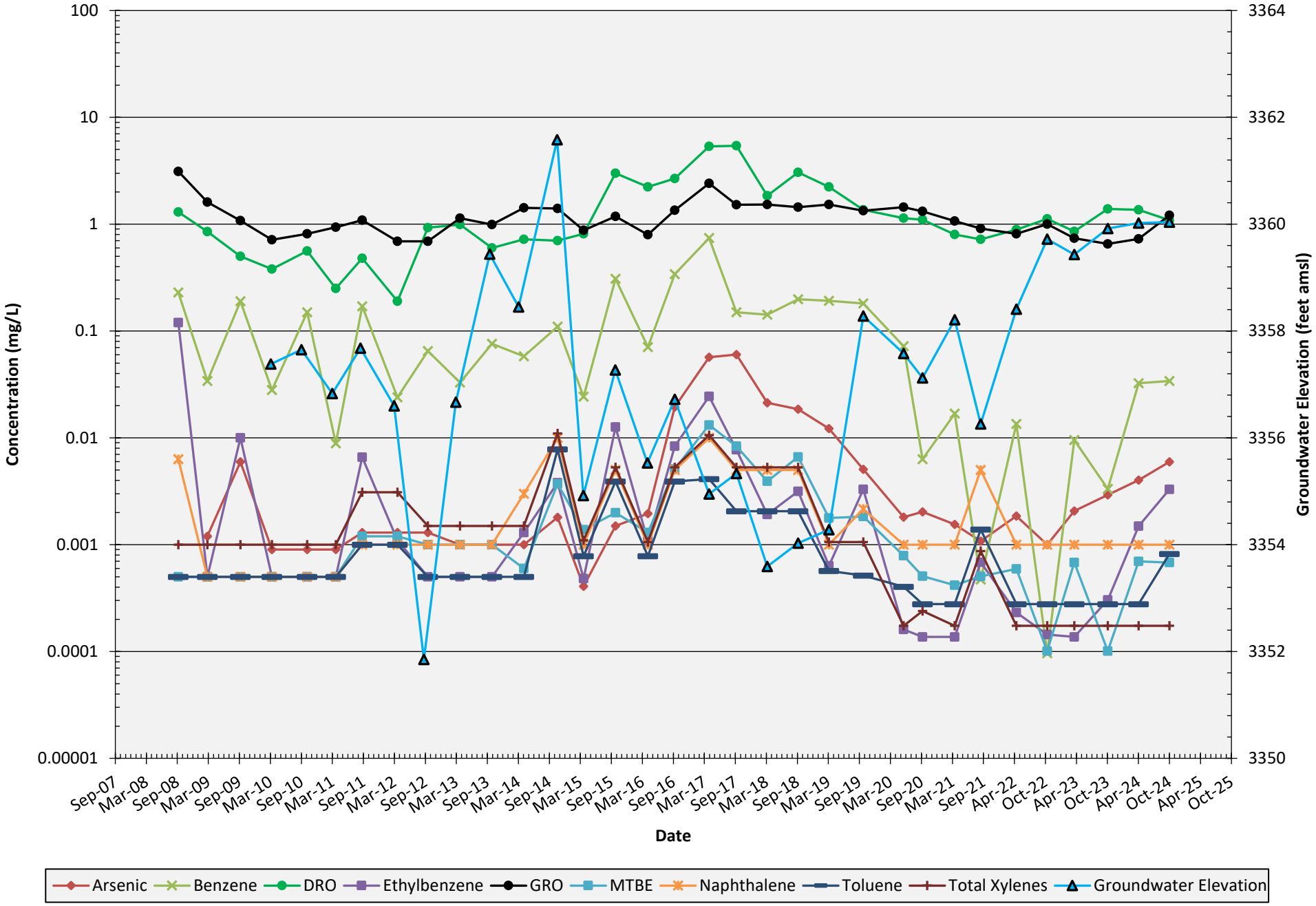
South Refinery



MW-104: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

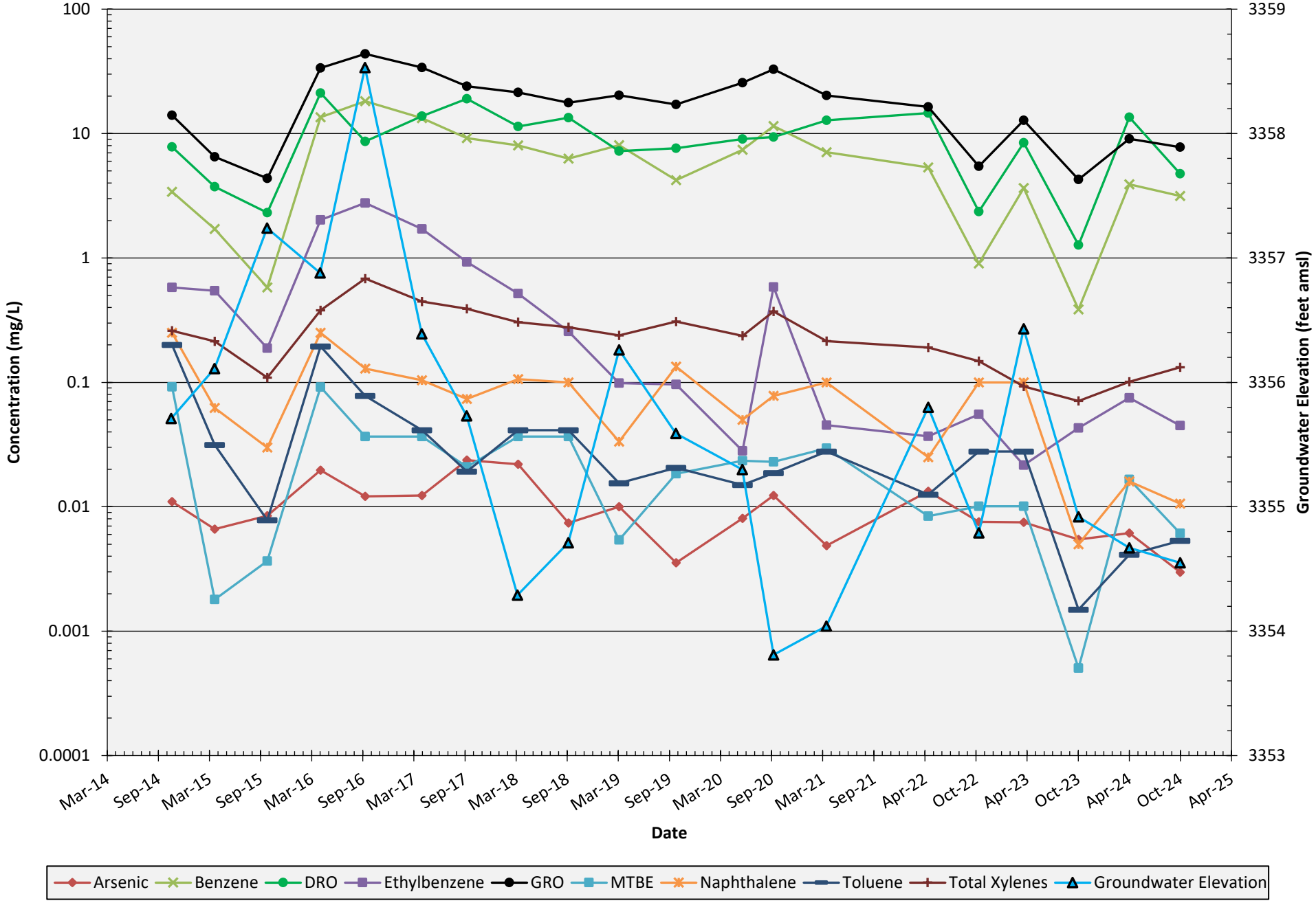
South Refinery



MW-105: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

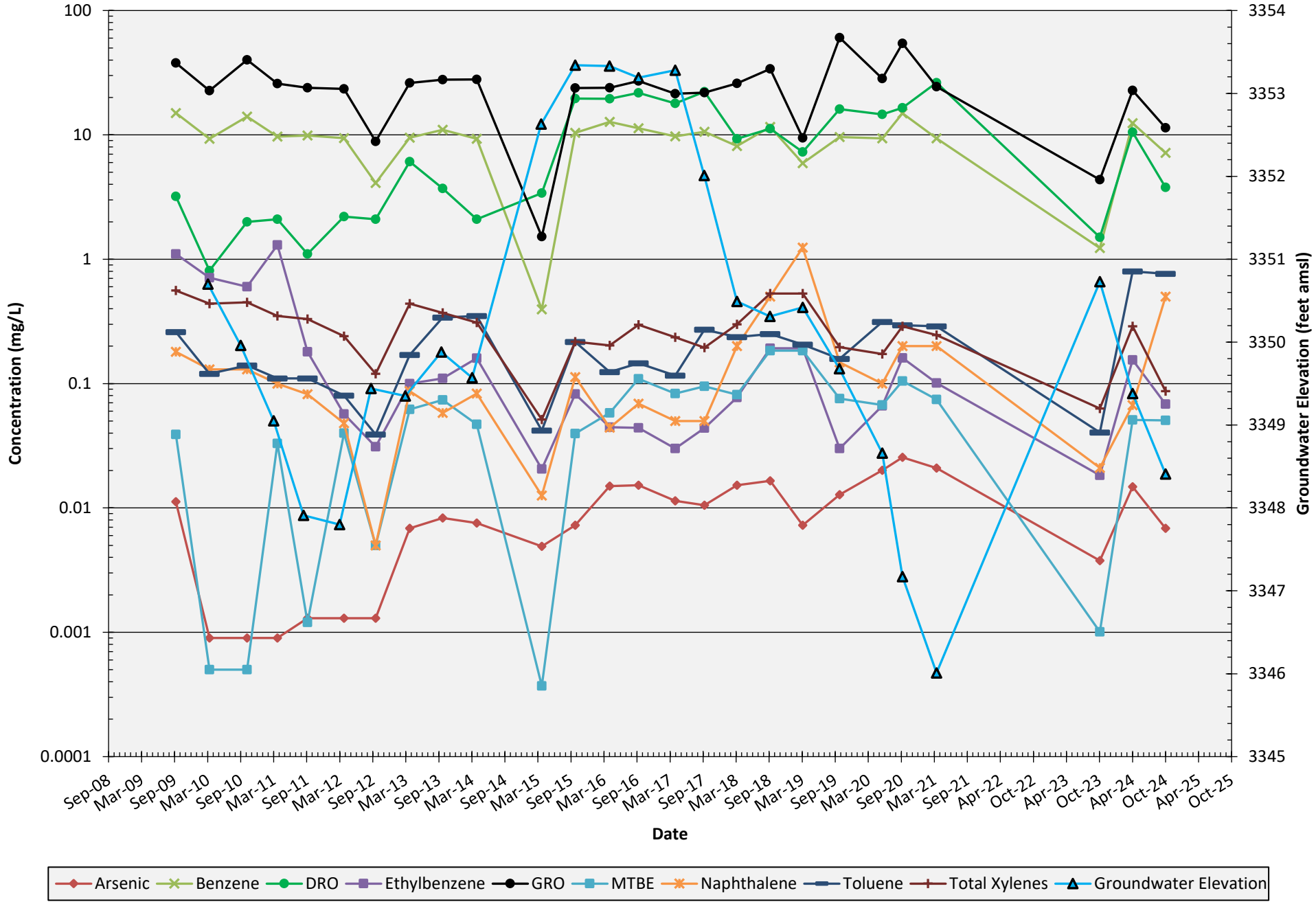
South Refinery



MW-106: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

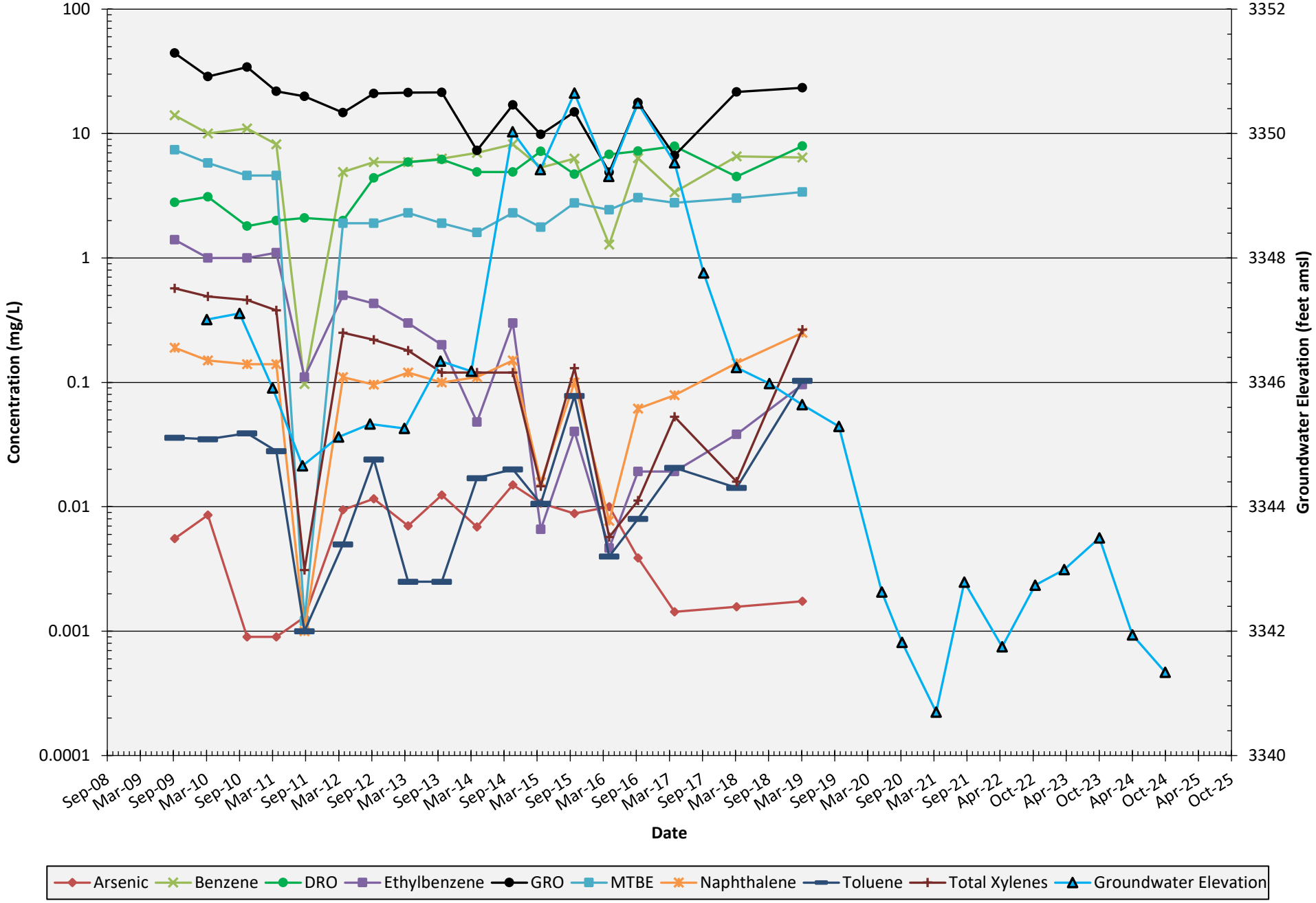
South Refinery



MW-107: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

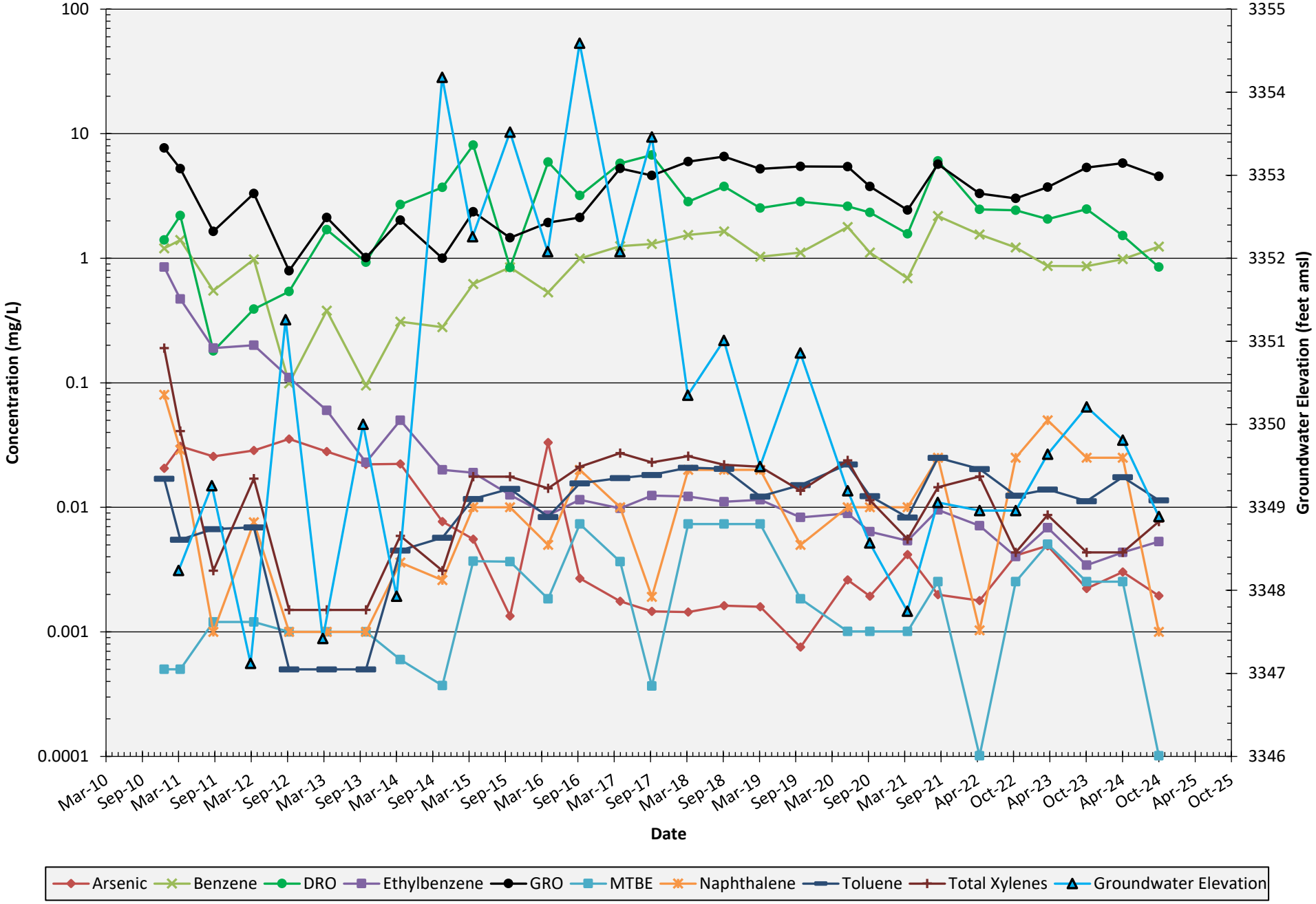
South Refinery



MW-109: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

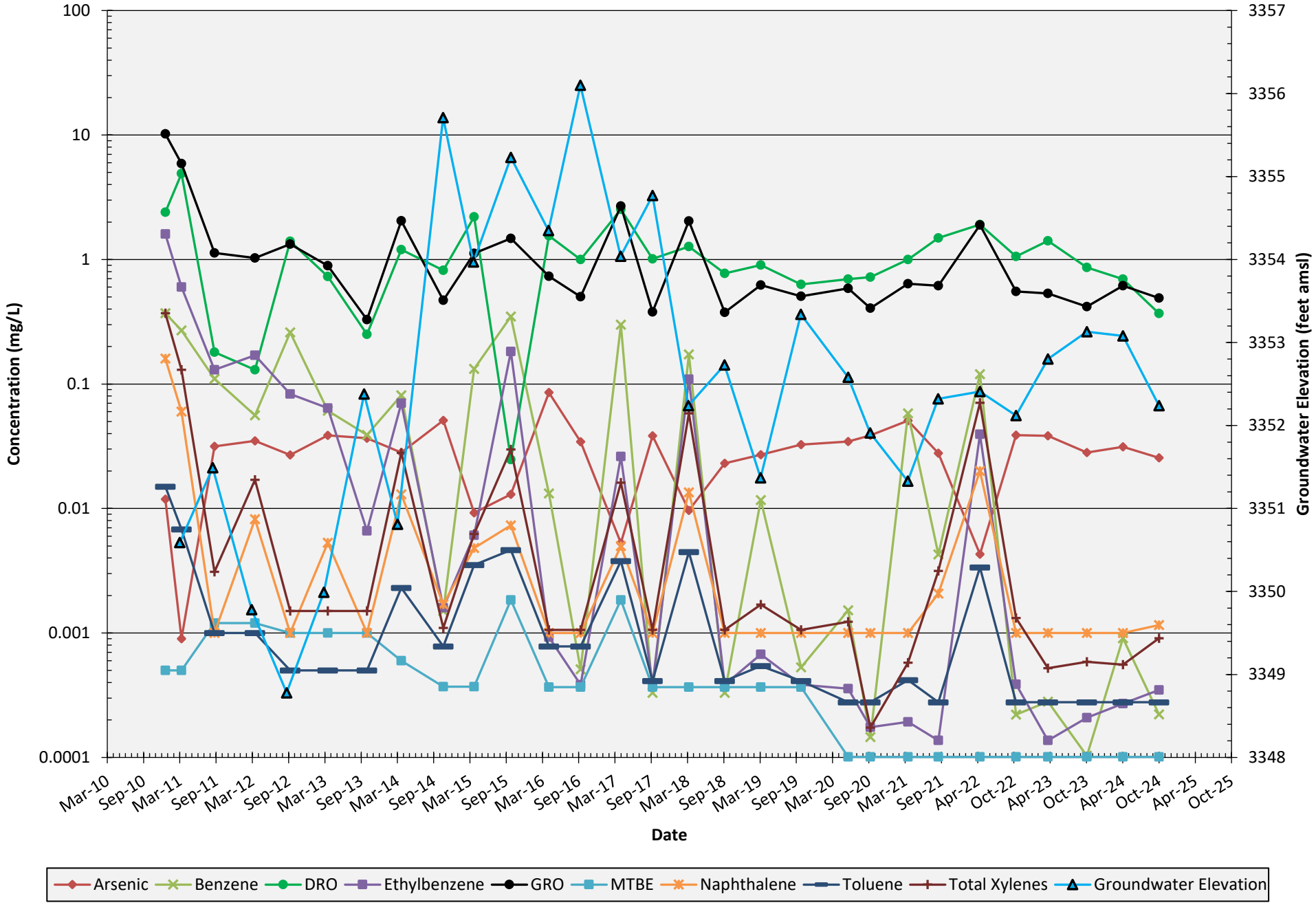
South Refinery



MW-110: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

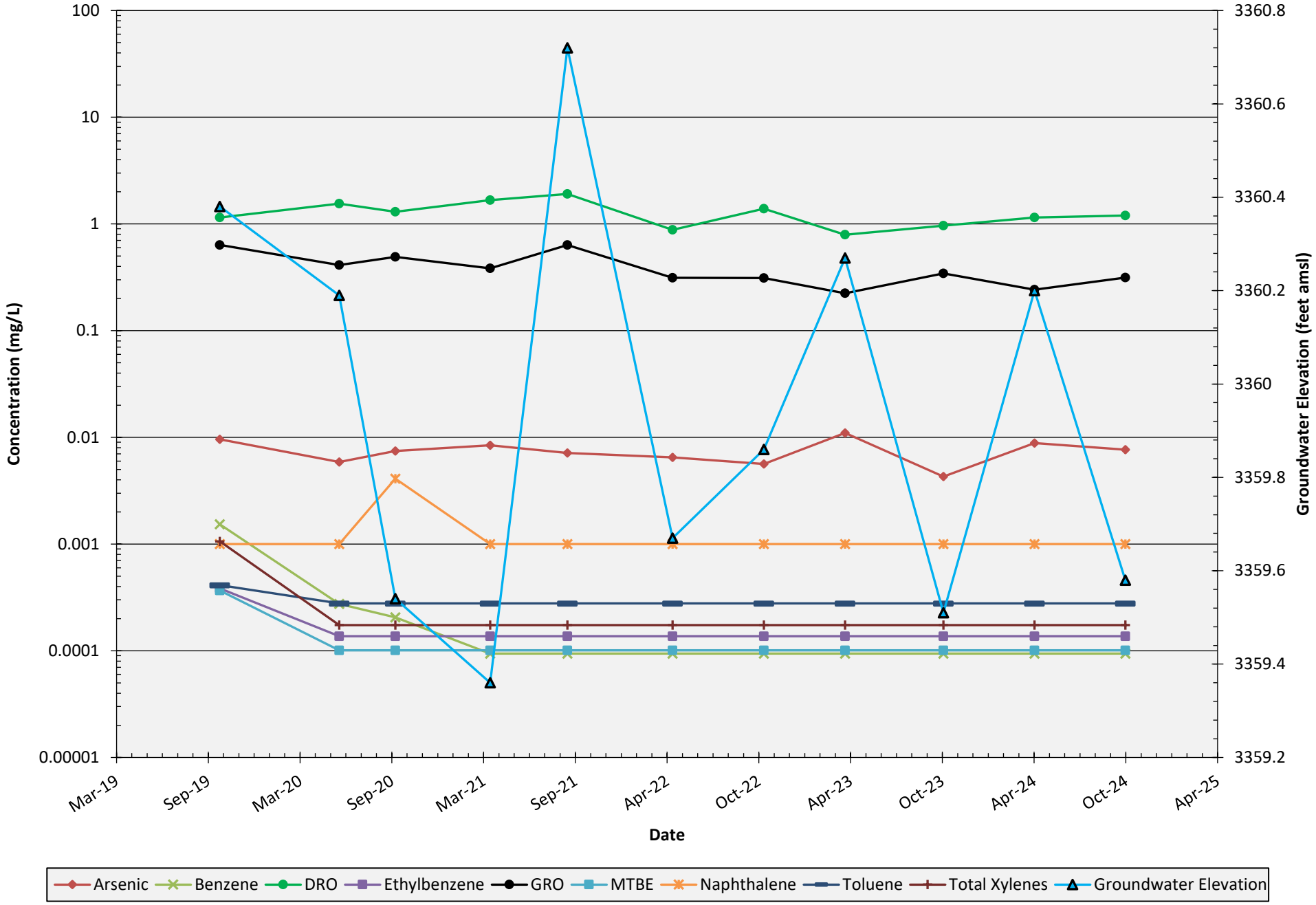
South Refinery



MW-139: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

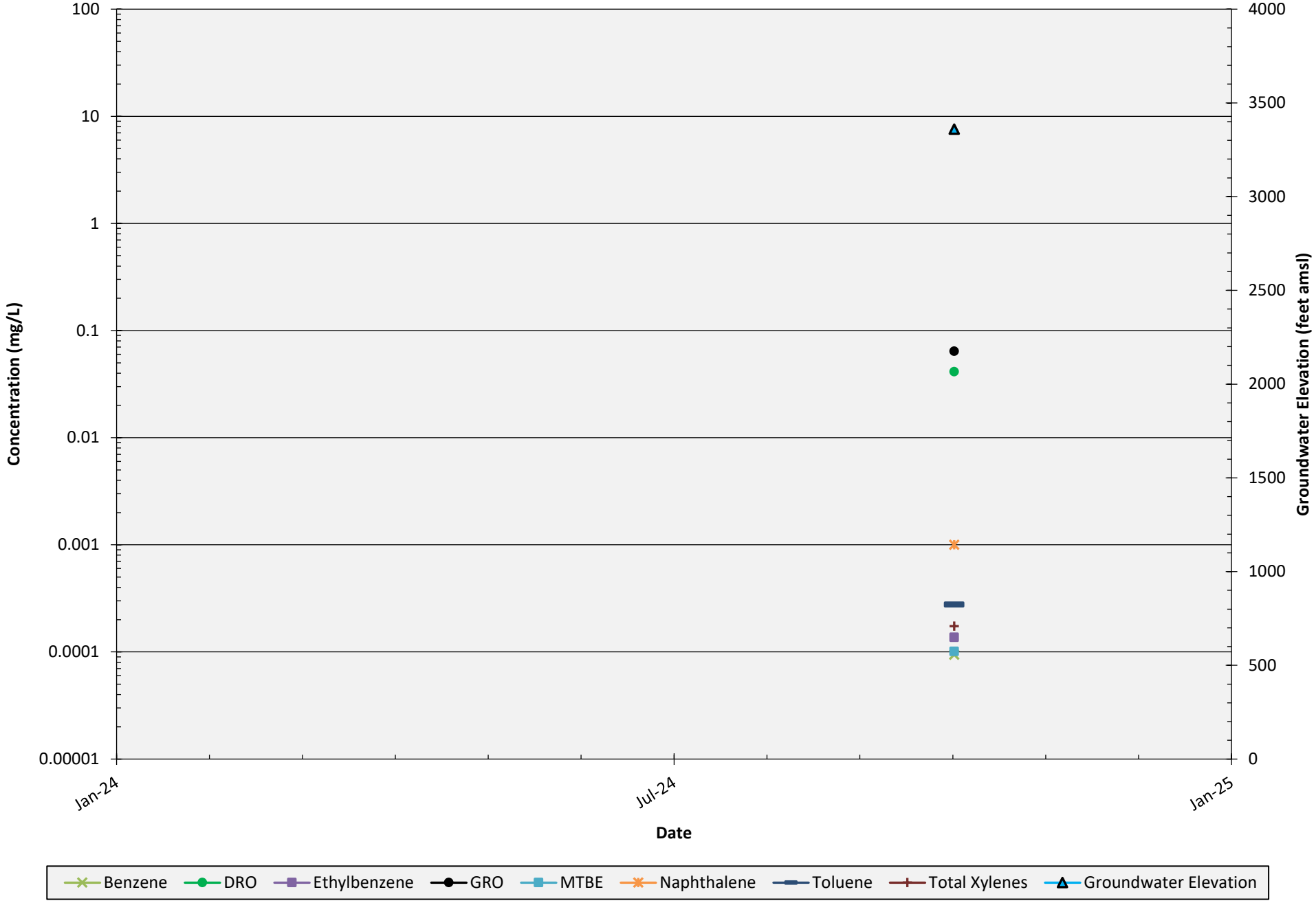
South Refinery



MW-158: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

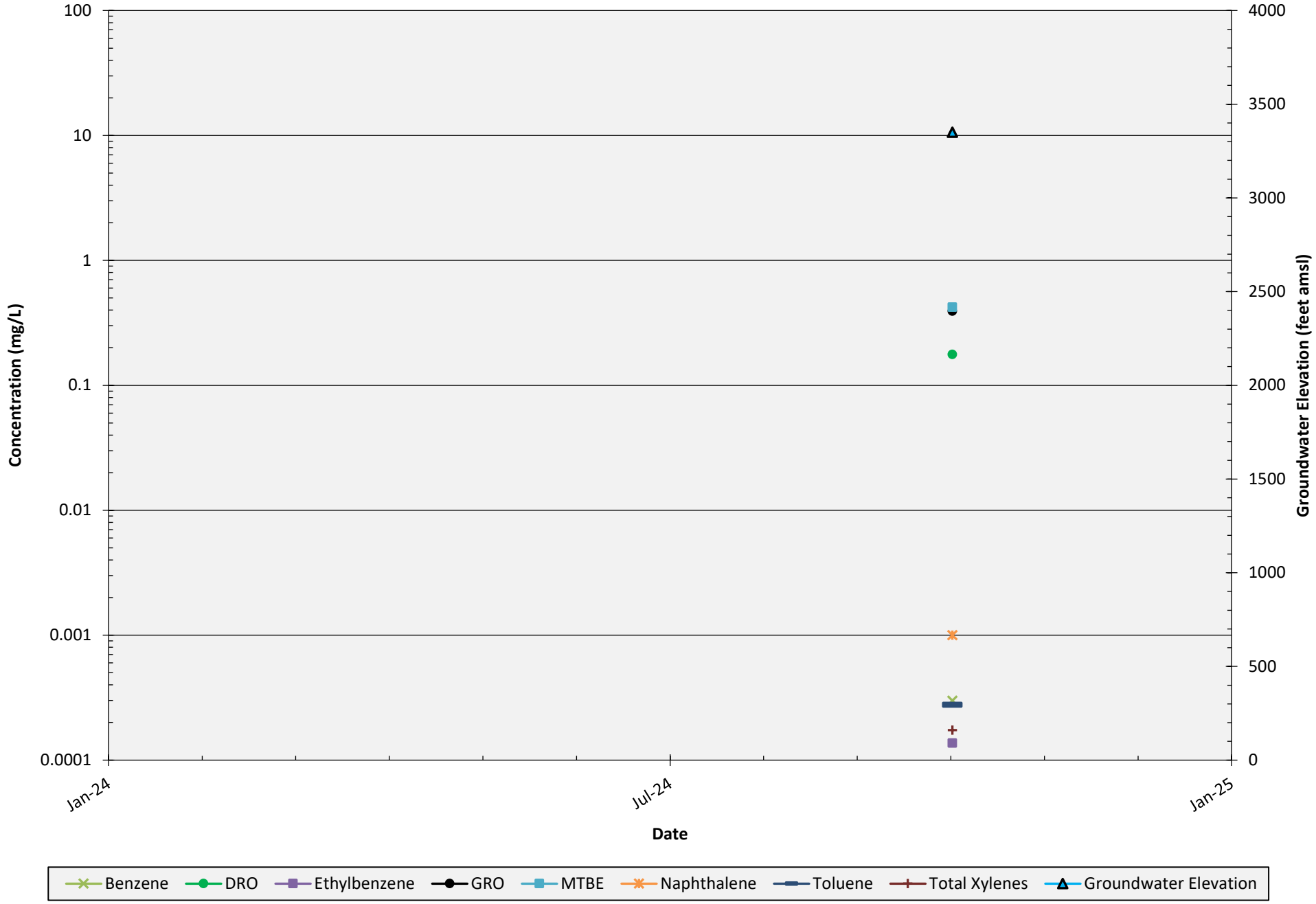
South Refinery



MW-159: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

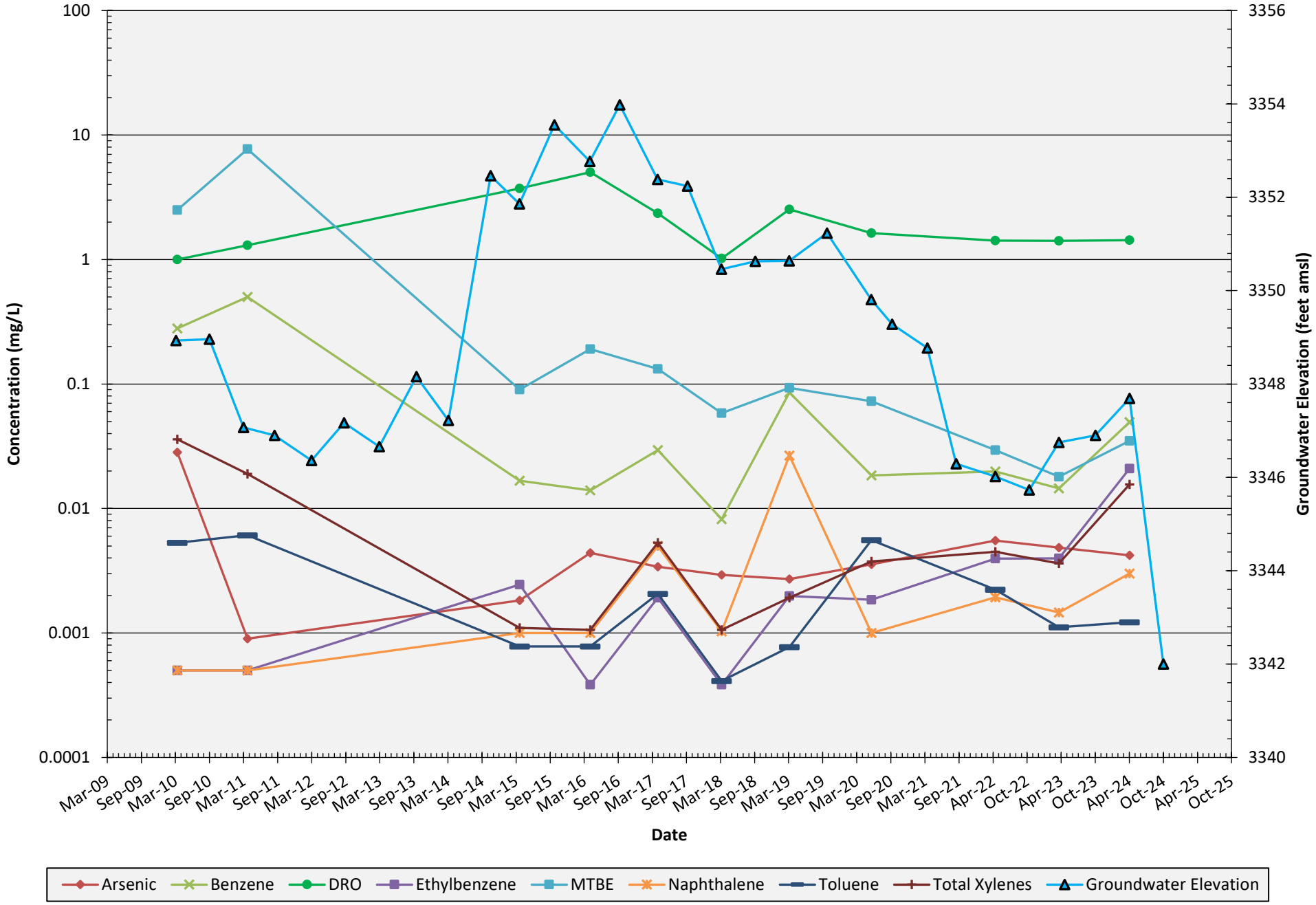
South Refinery



RW-4 & RW-4R: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

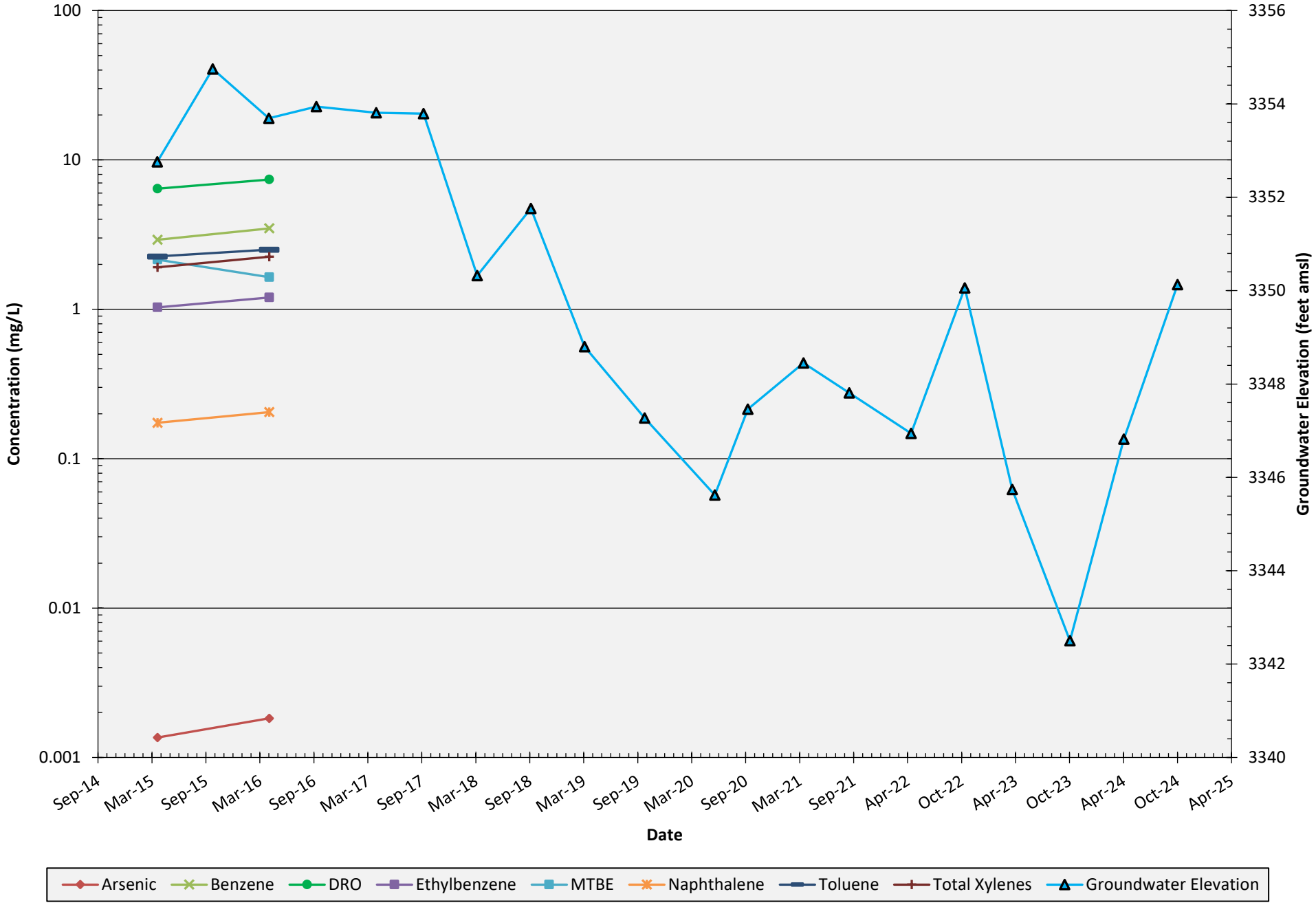
South Refinery



RW-5 & RW-5R: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

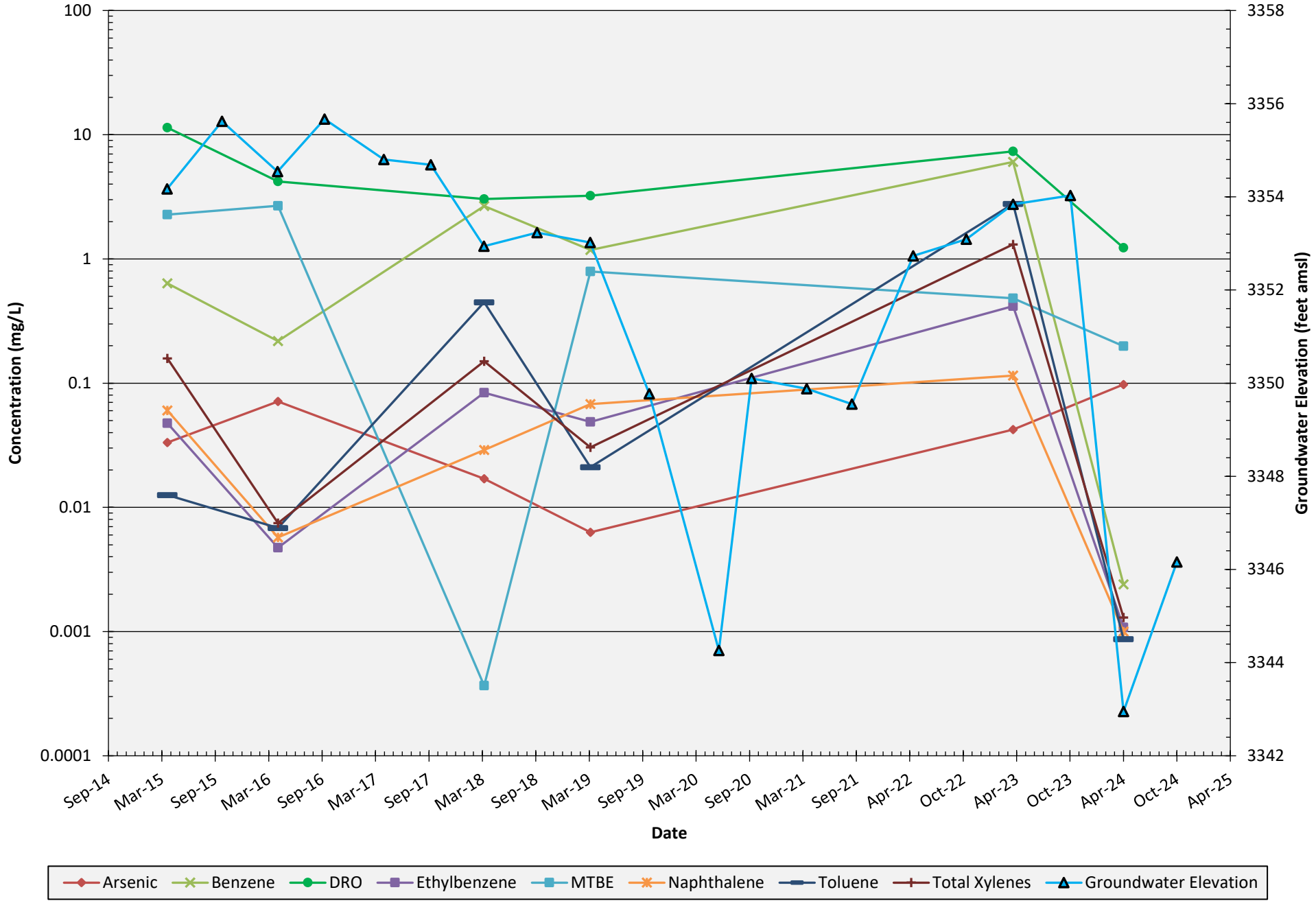
South Refinery



RW-6 & RW-6R: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

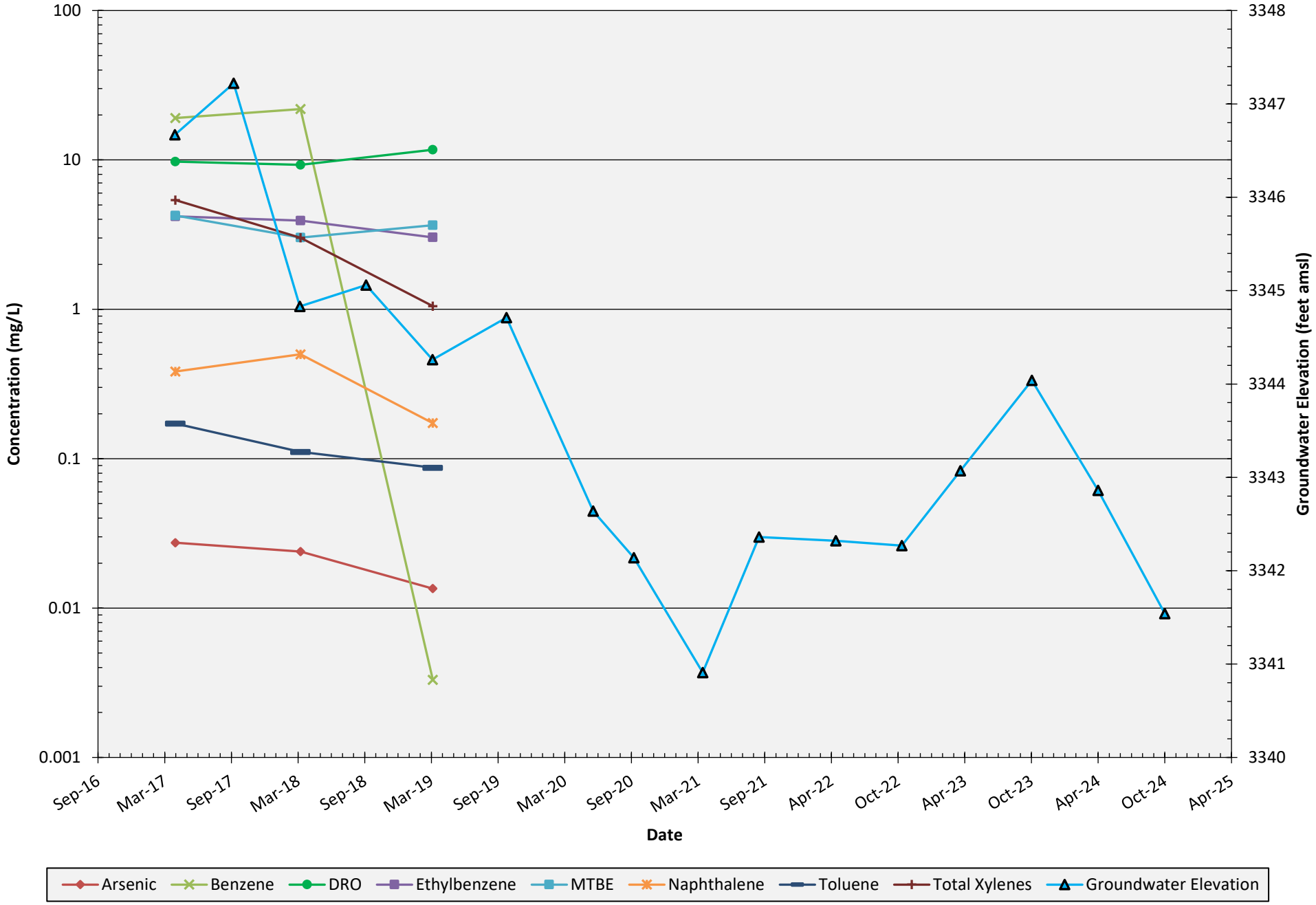
South Refinery



RW-15C: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

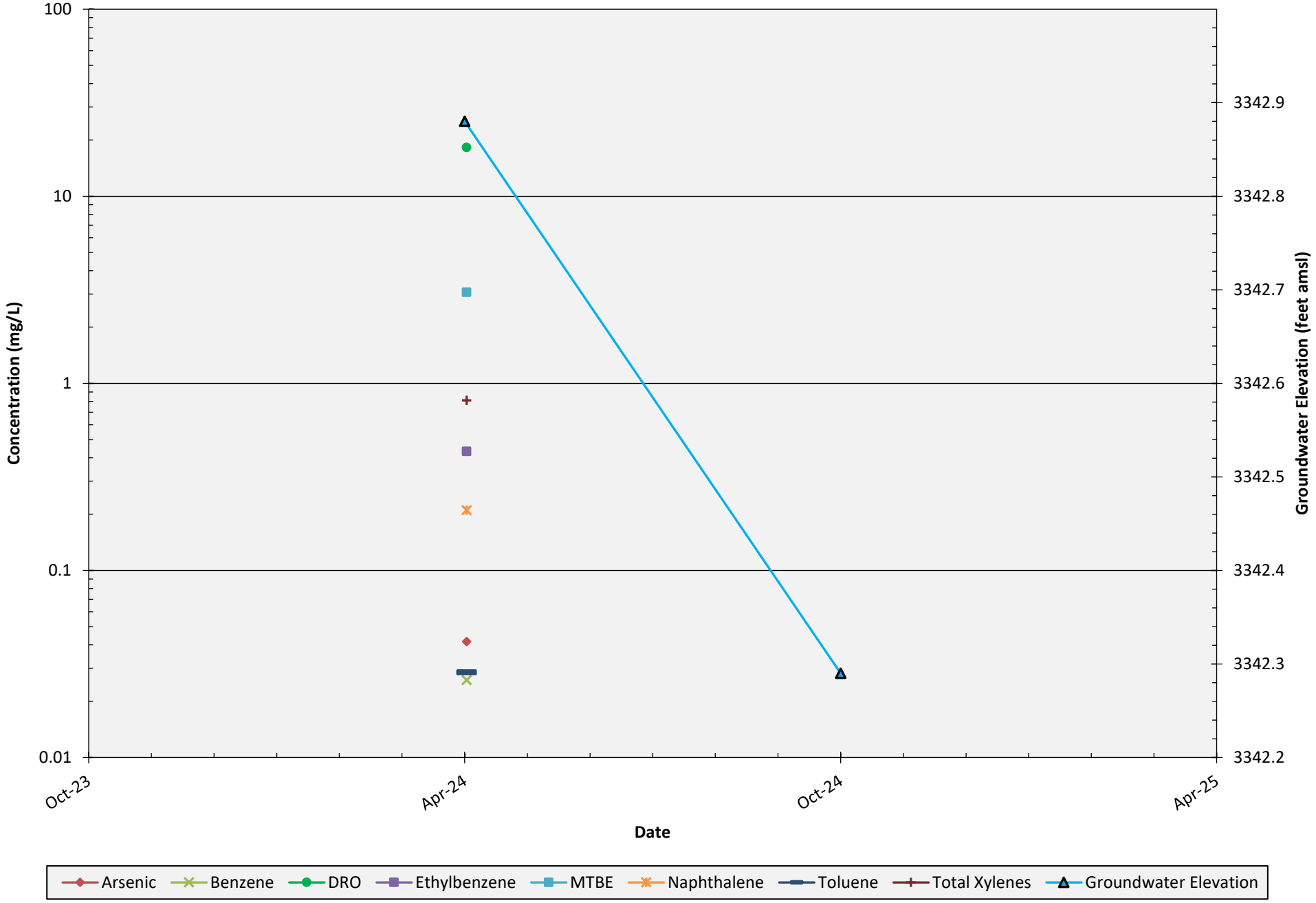
South Refinery



RW-19: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

South Refinery



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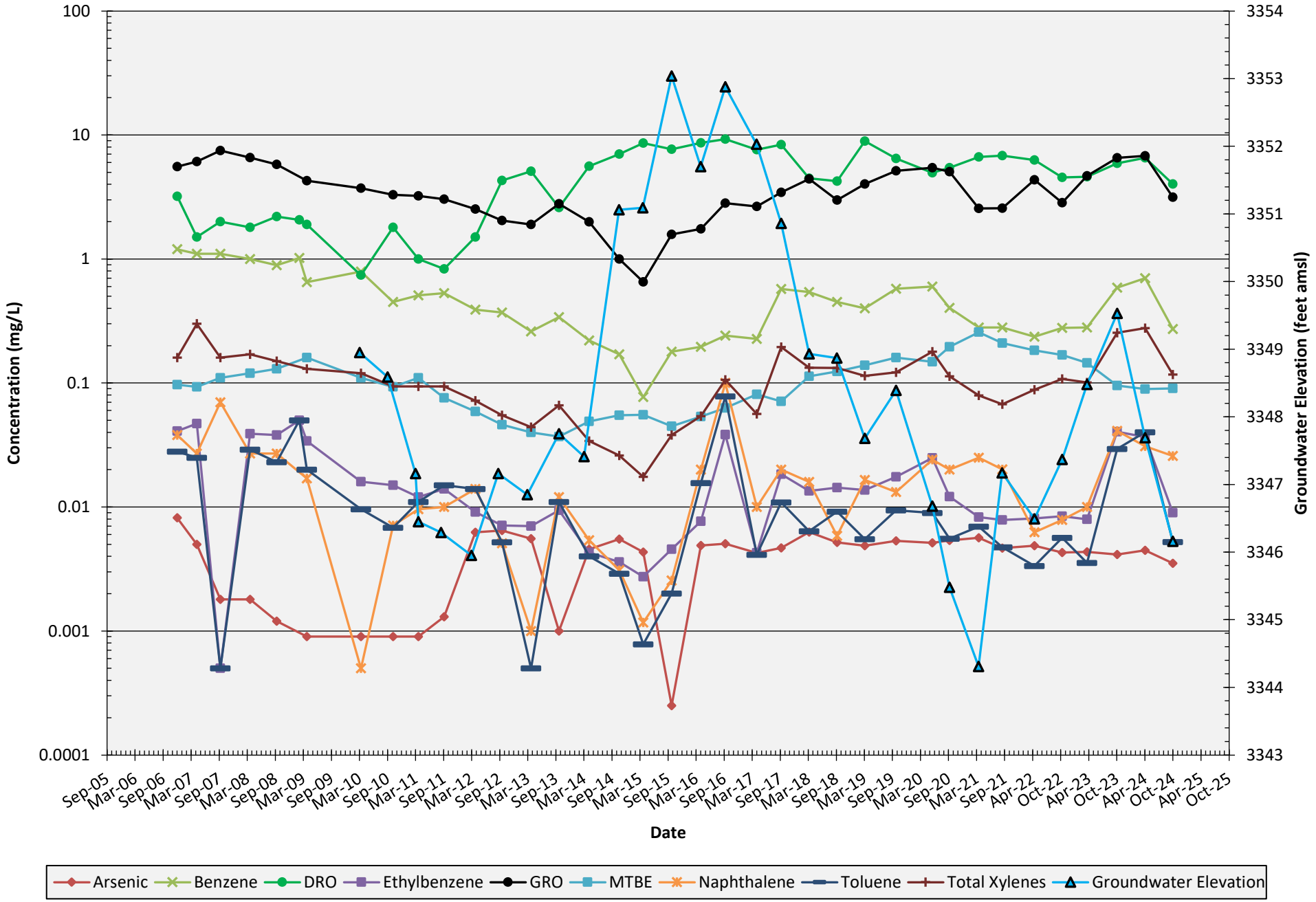
MW-49: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

Tetra Ethyl Lead Surface Impoundment



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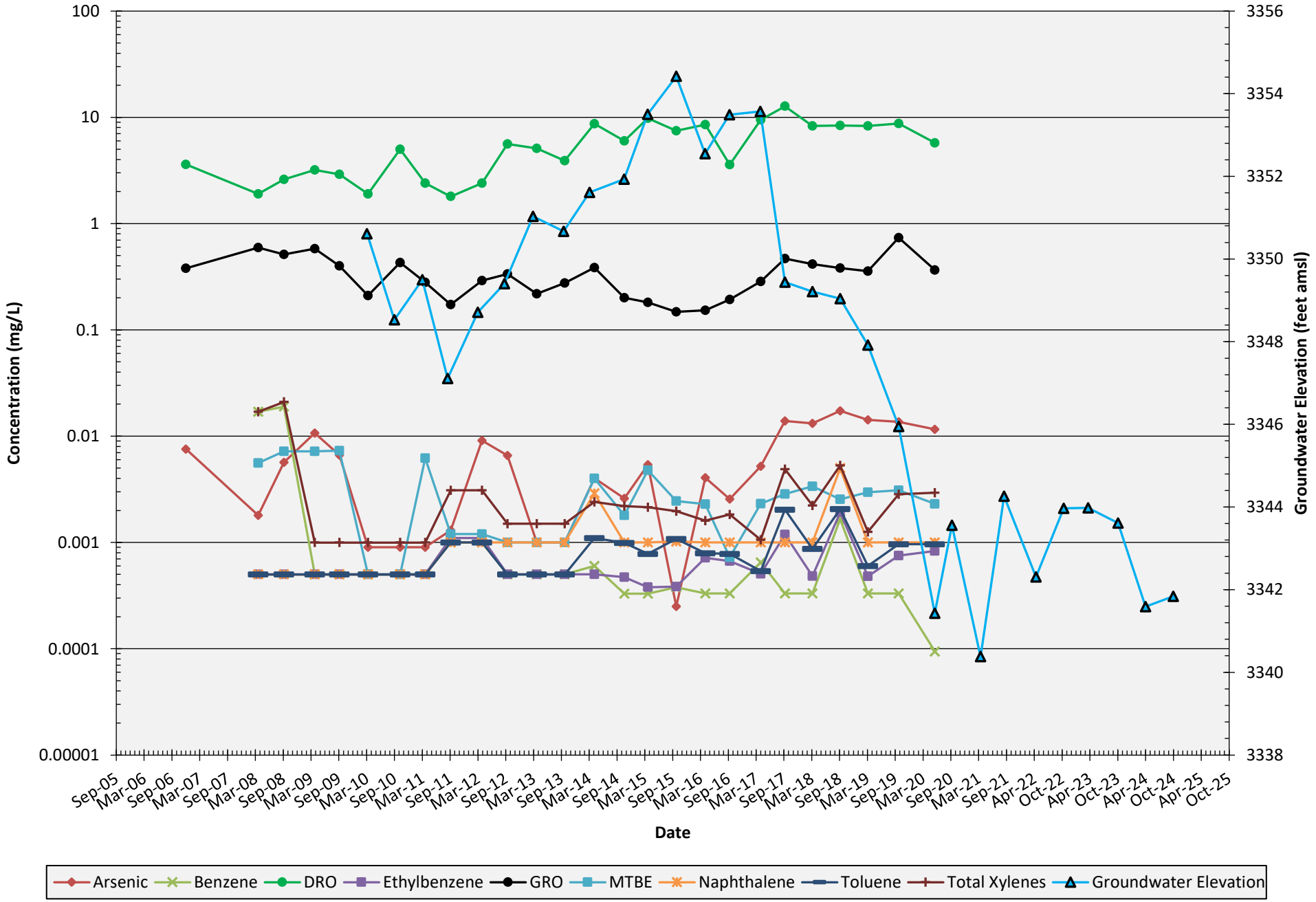
TEL-1: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

Tetra Ethyl Lead Surface Impoundment



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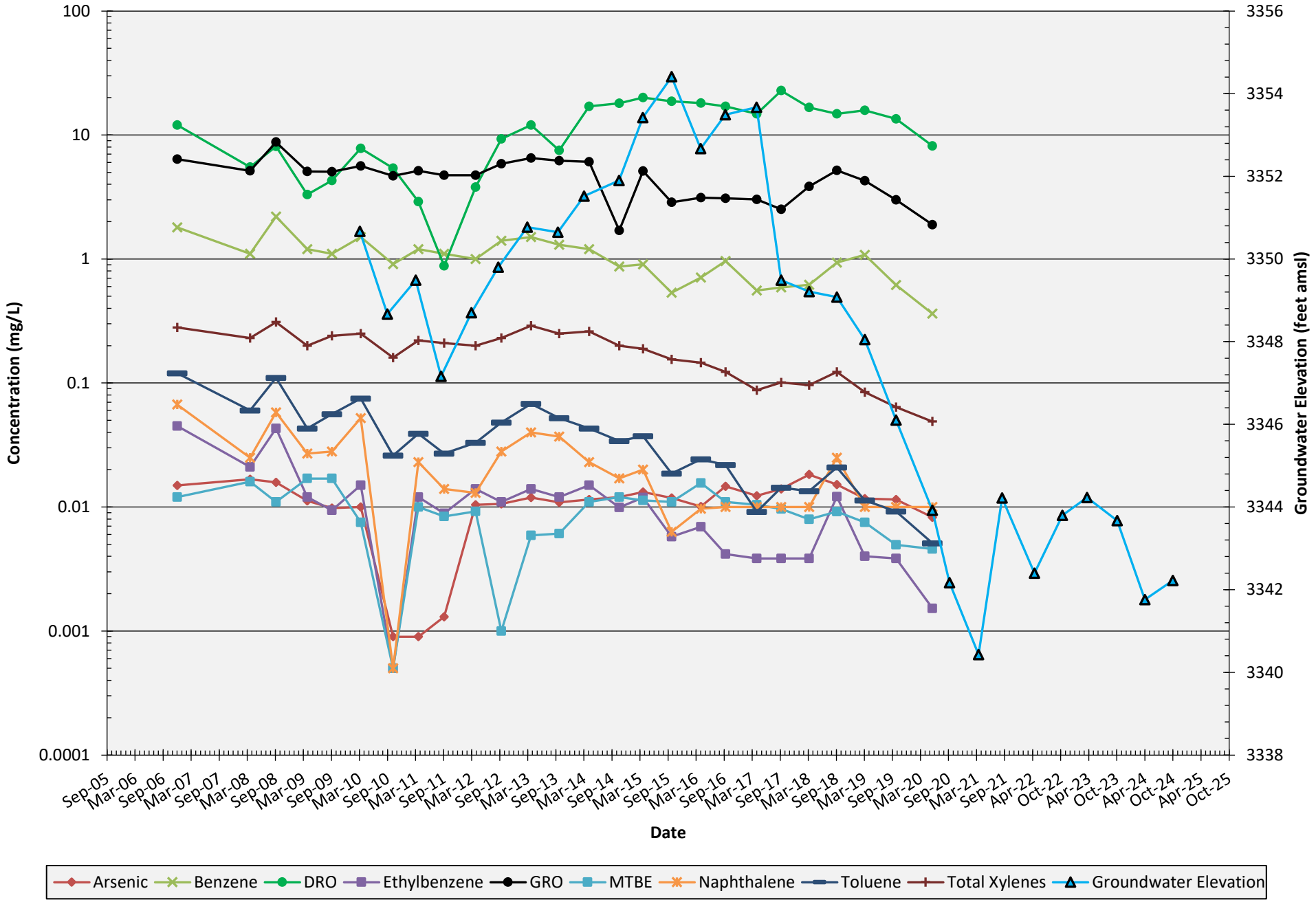
TEL-2: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

Tetra Ethyl Lead Surface Impoundment



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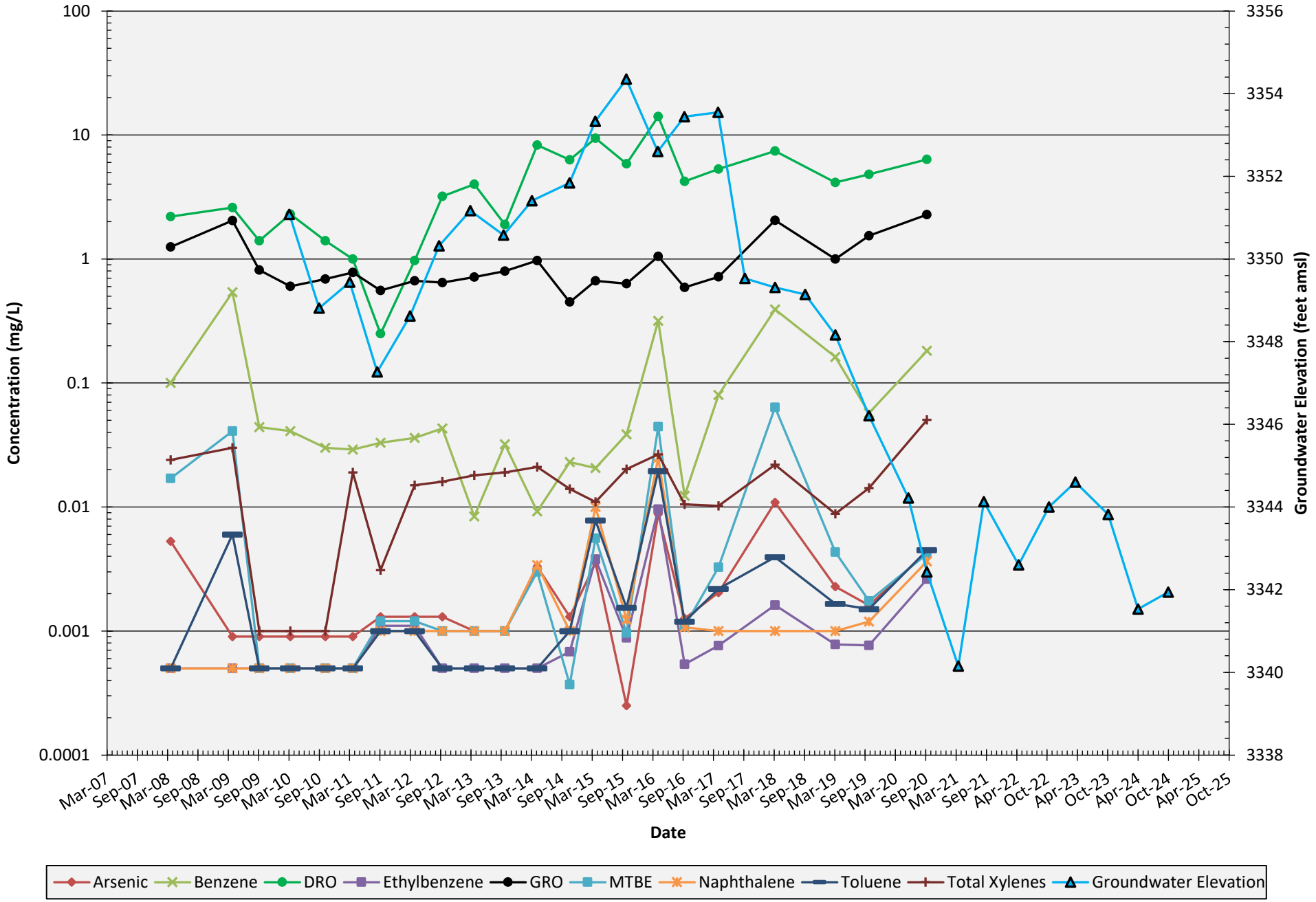
TEL-3: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

Tetra Ethyl Lead Surface Impoundment



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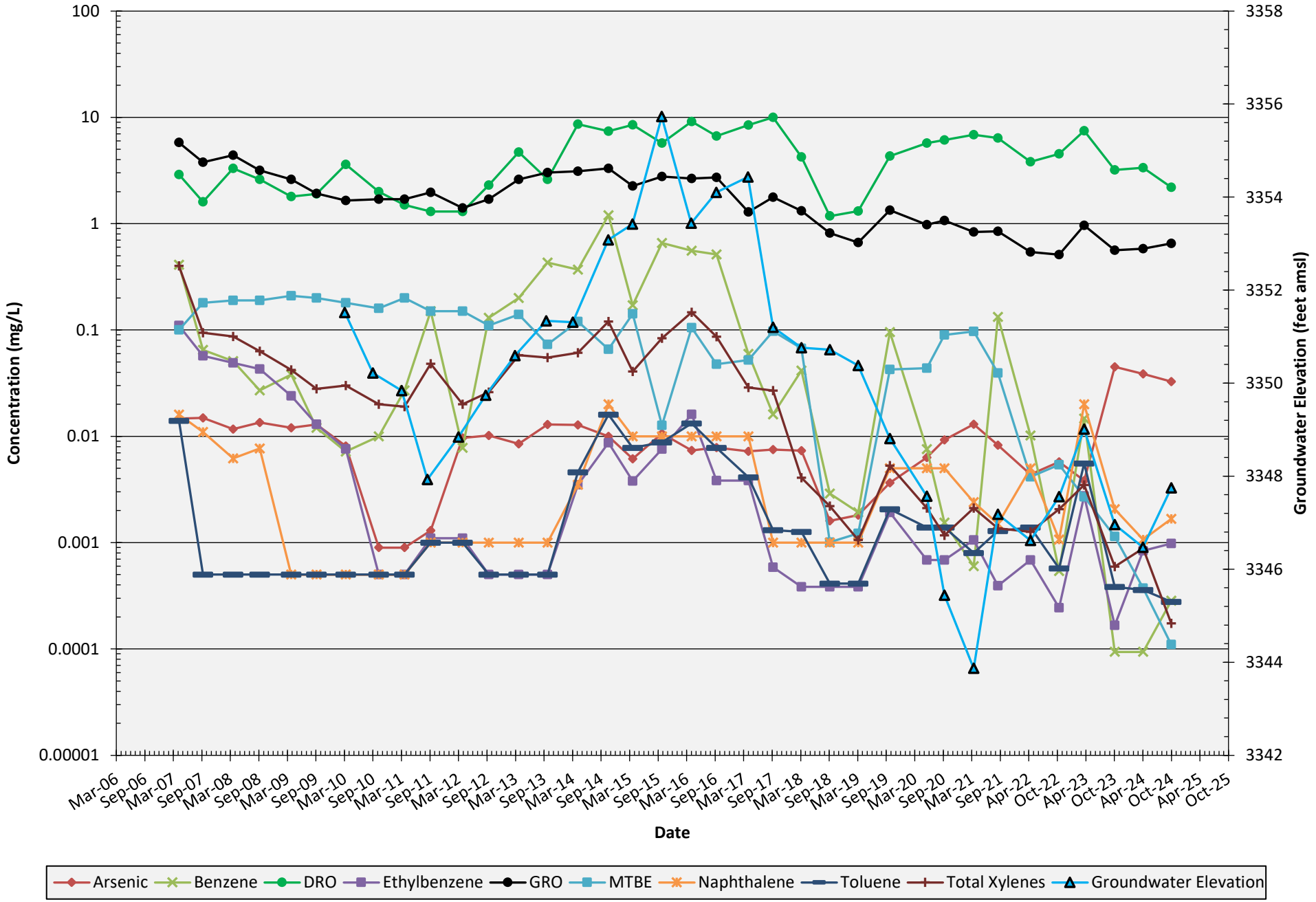
TEL-4: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

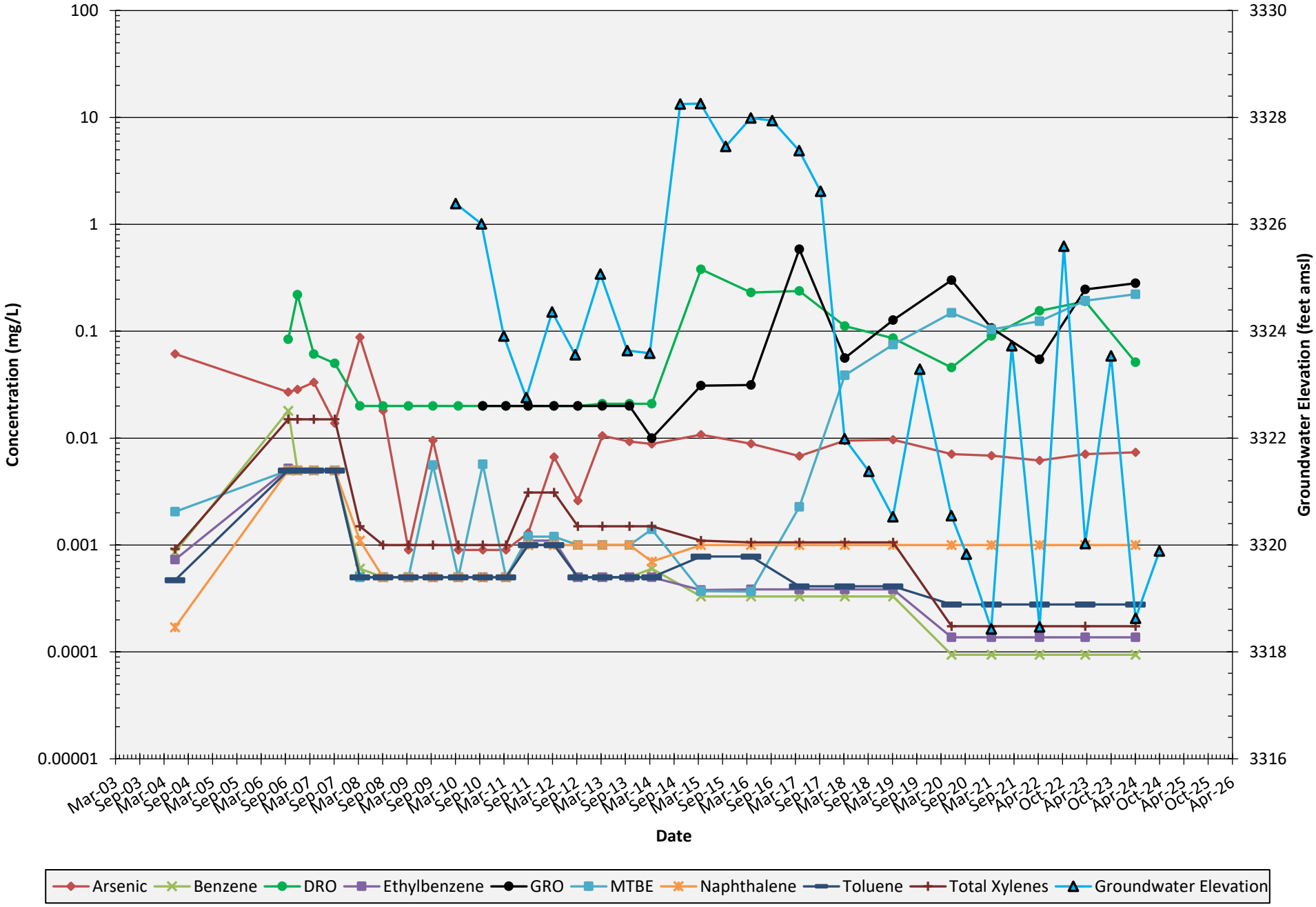
Tetra Ethyl Lead Surface Impoundment



MW-8: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

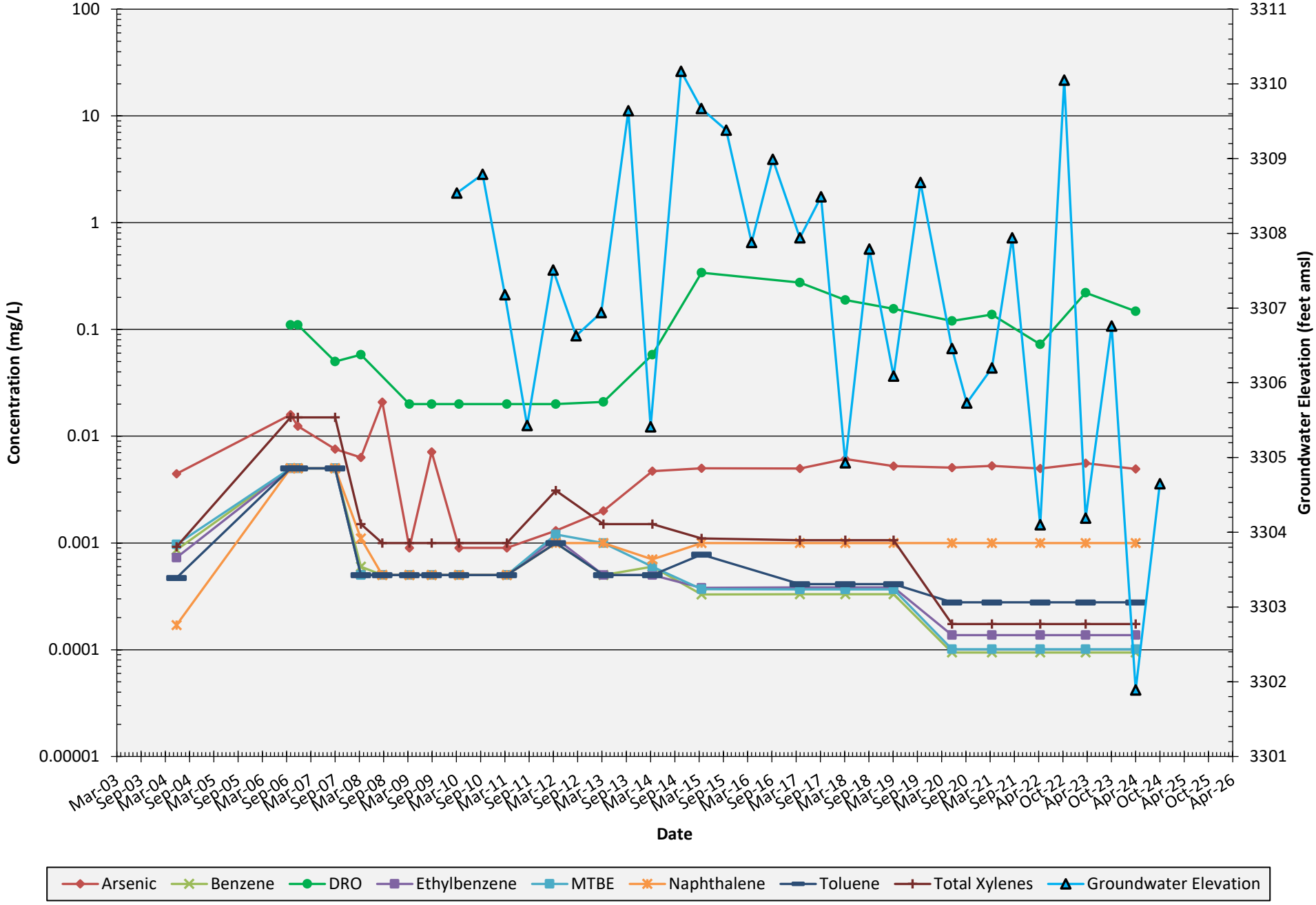
Three Mile Ditch



MW-16: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

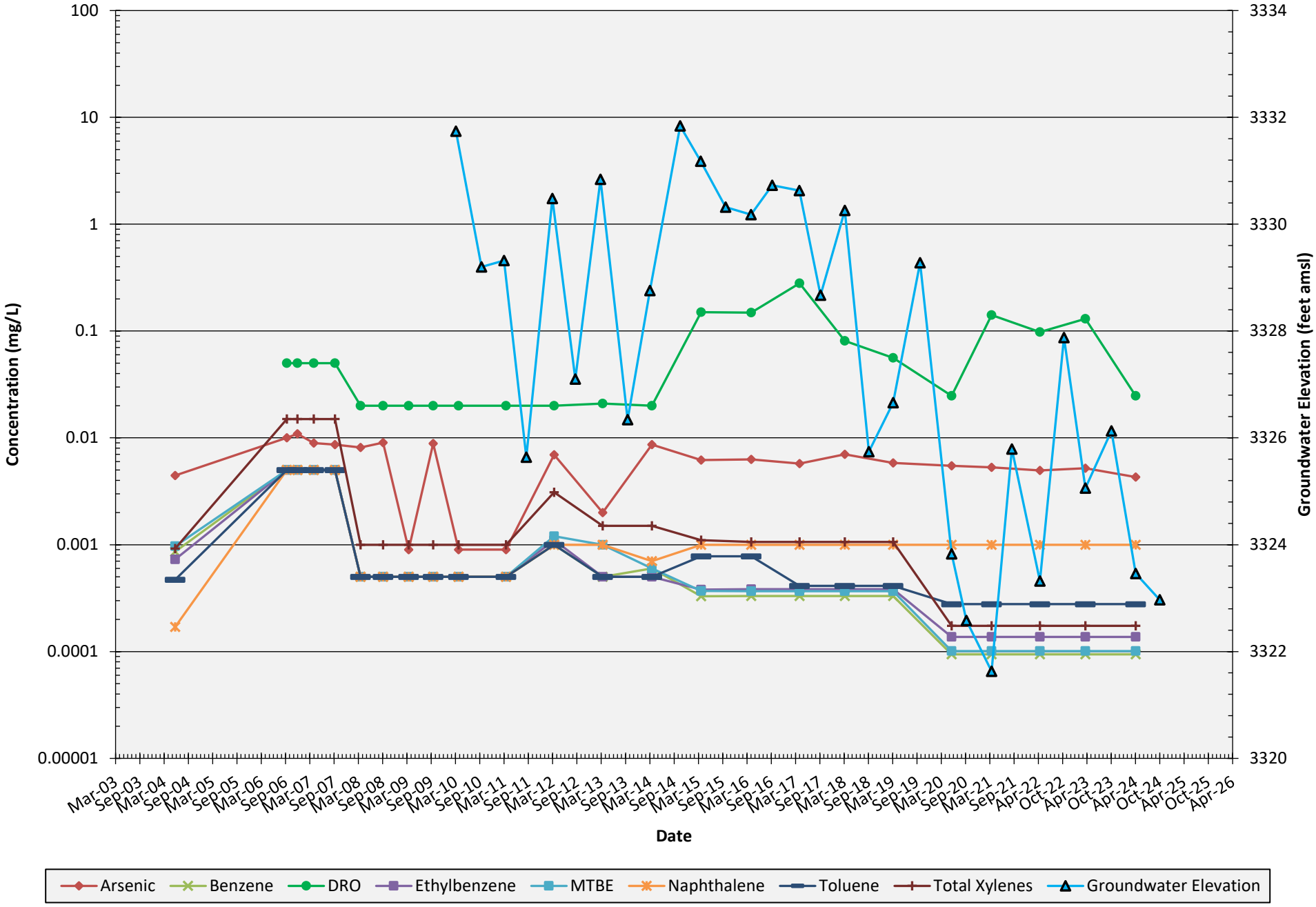
Three Mile Ditch



MW-20: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

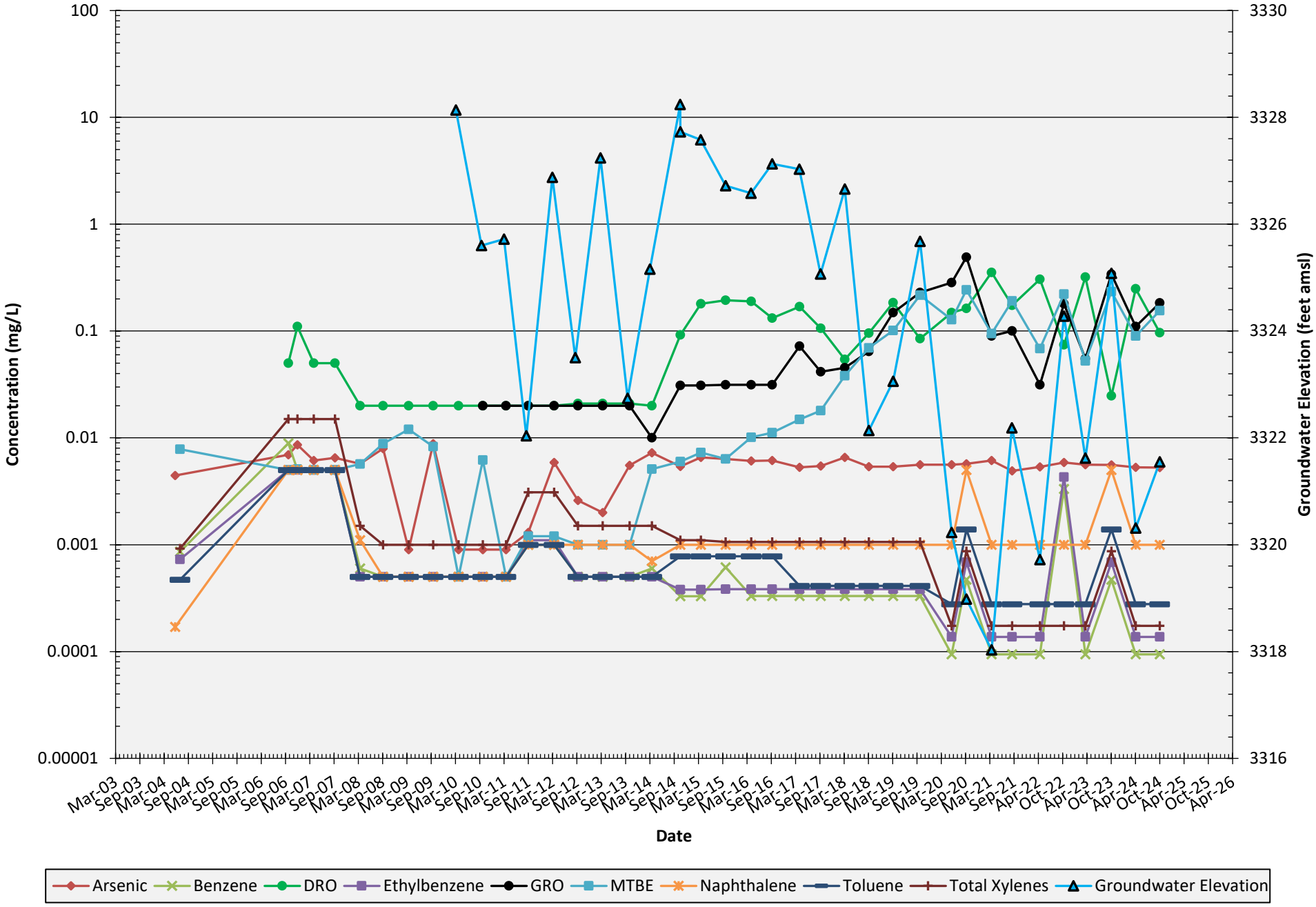
Three Mile Ditch



MW-21: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

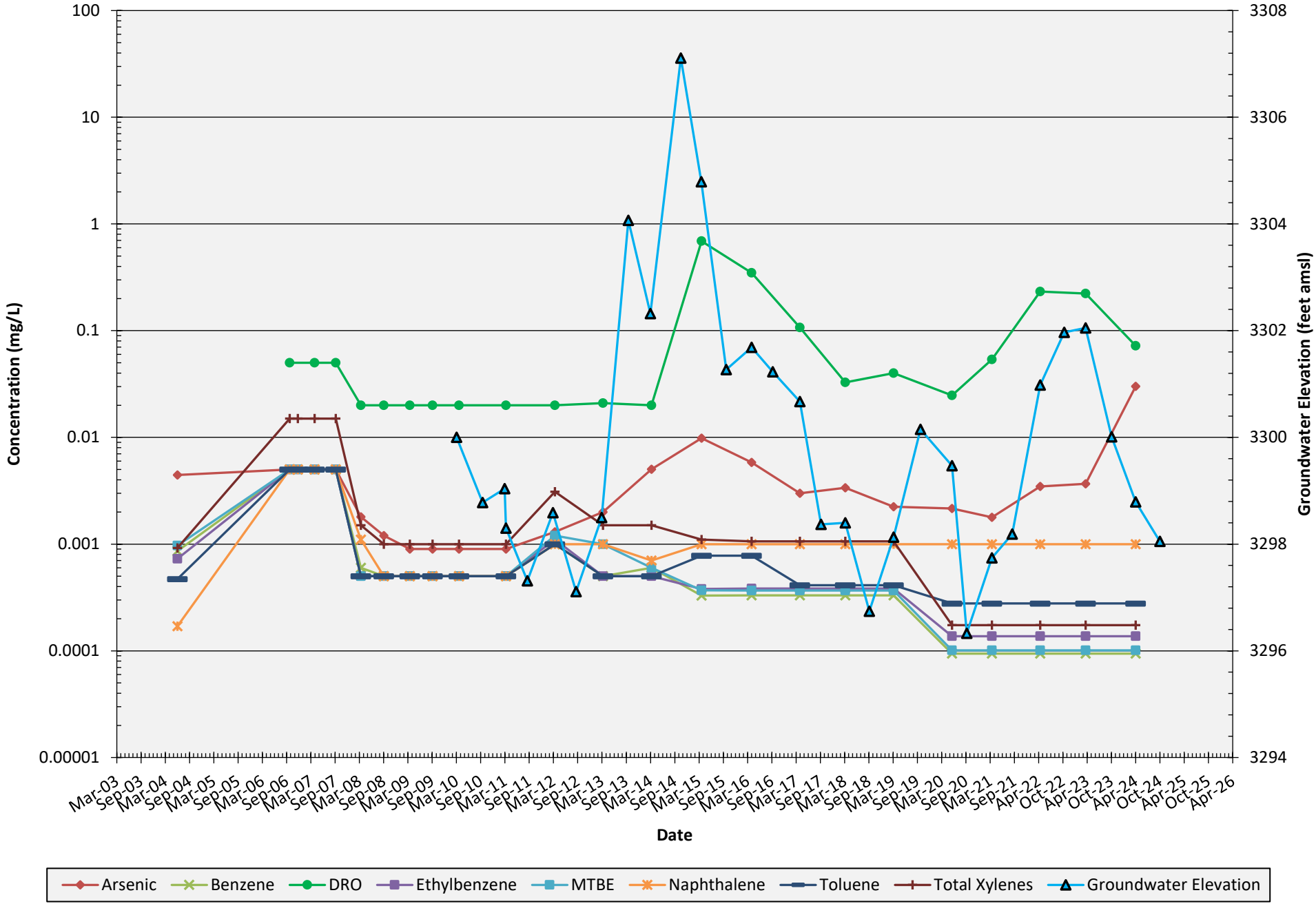
Three Mile Ditch



MW-25: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

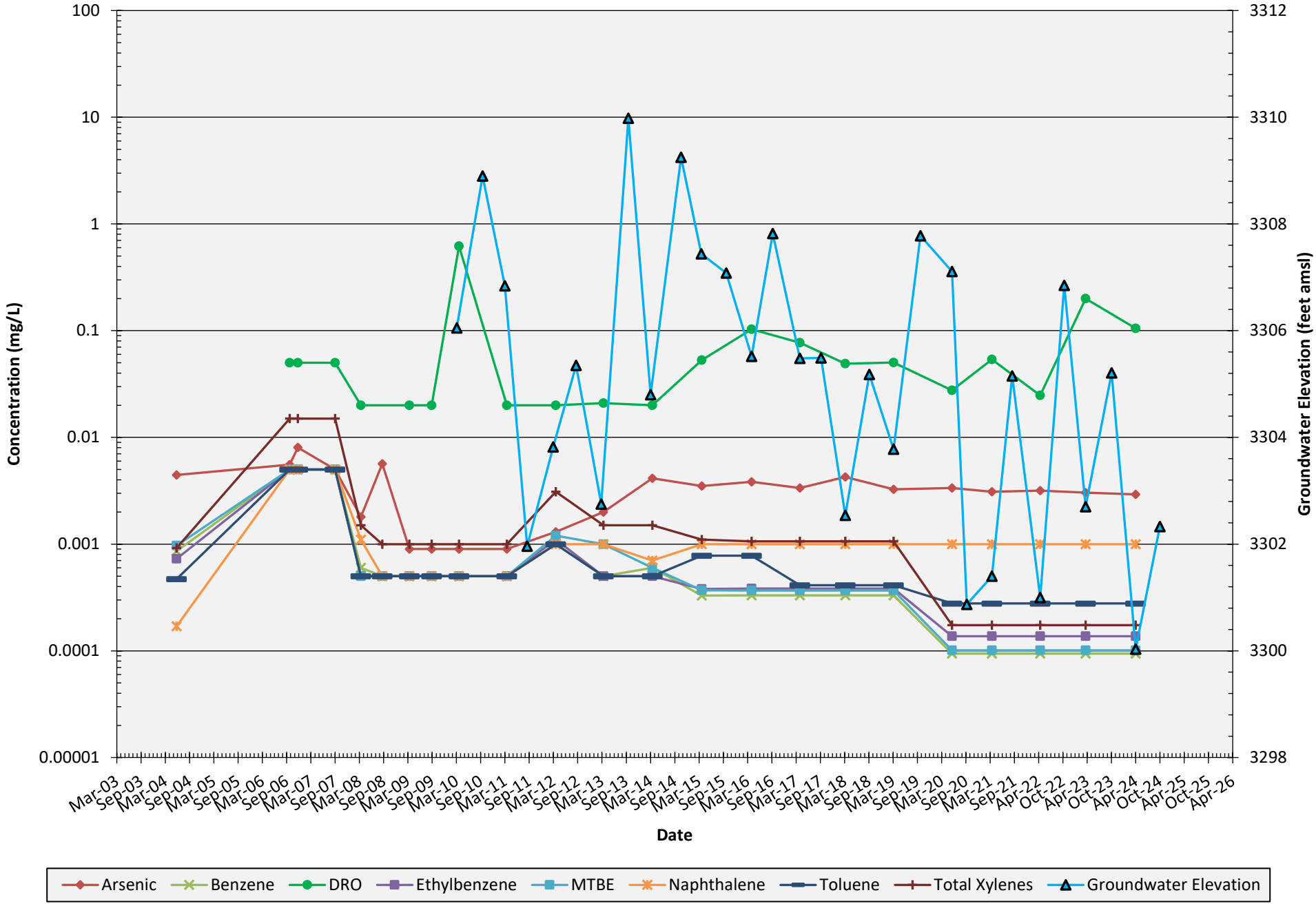
Three Mile Ditch



MW-26: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

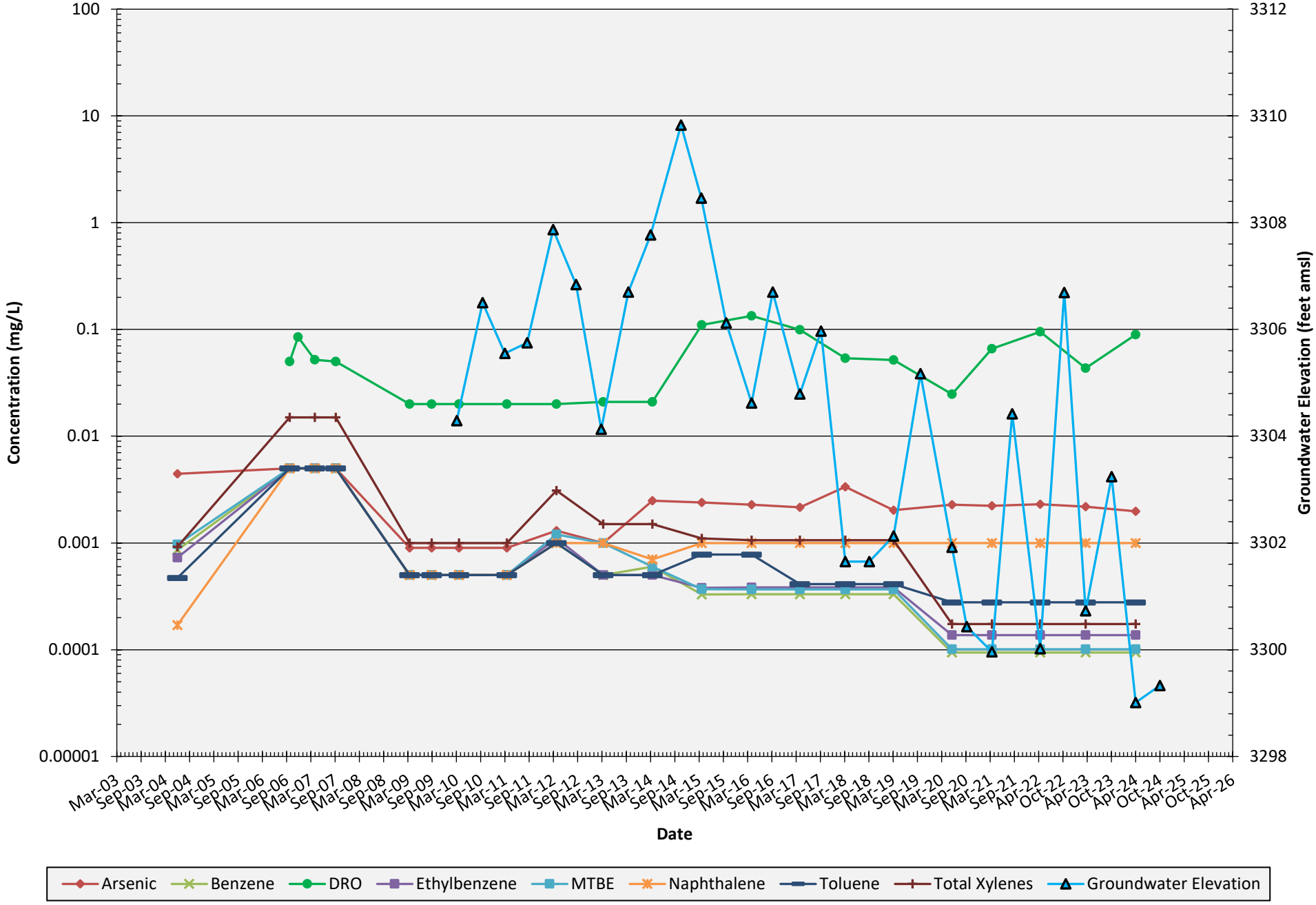
Three Mile Ditch



MW-27: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

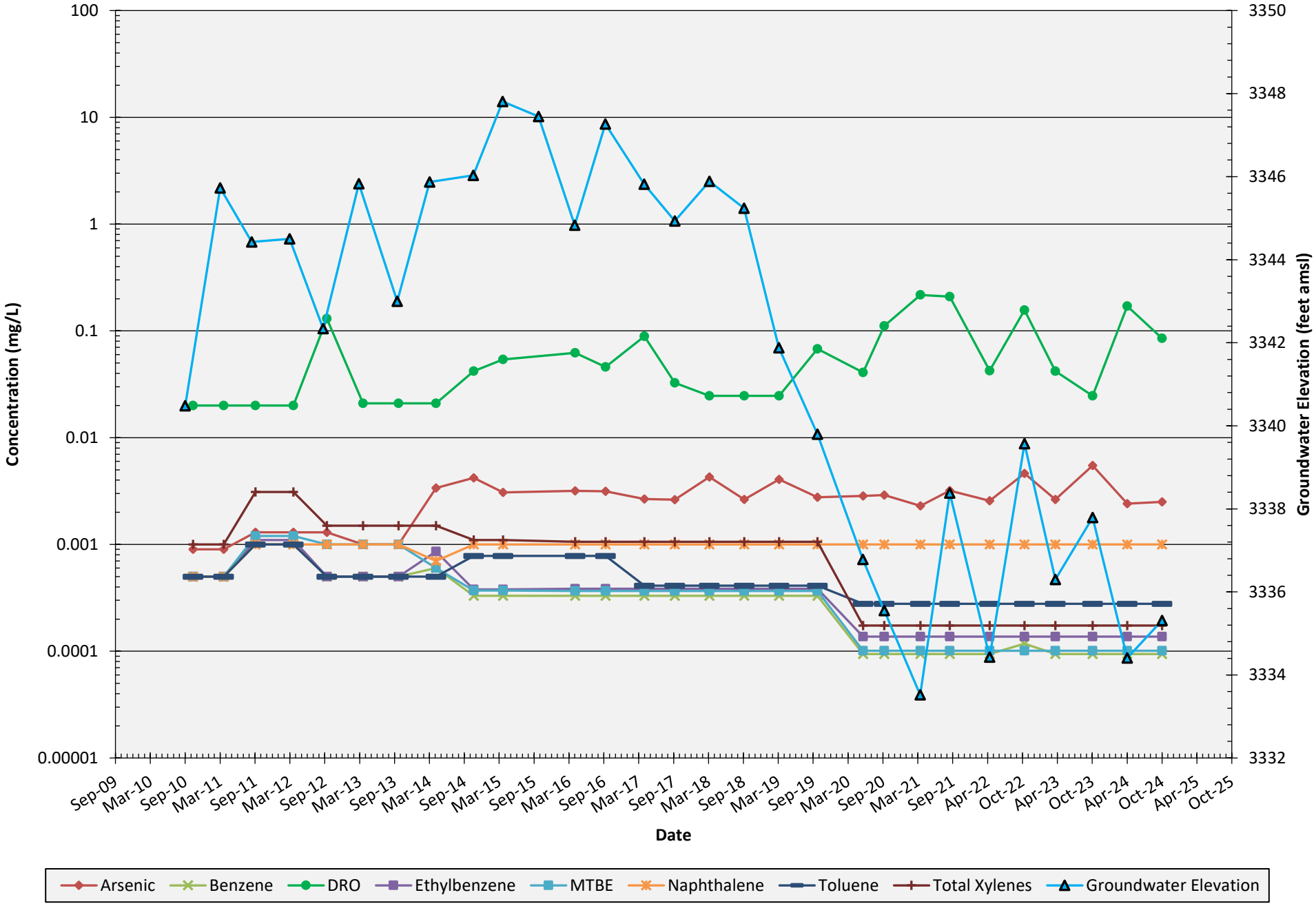
Three Mile Ditch



MW-46 & MW-46R: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

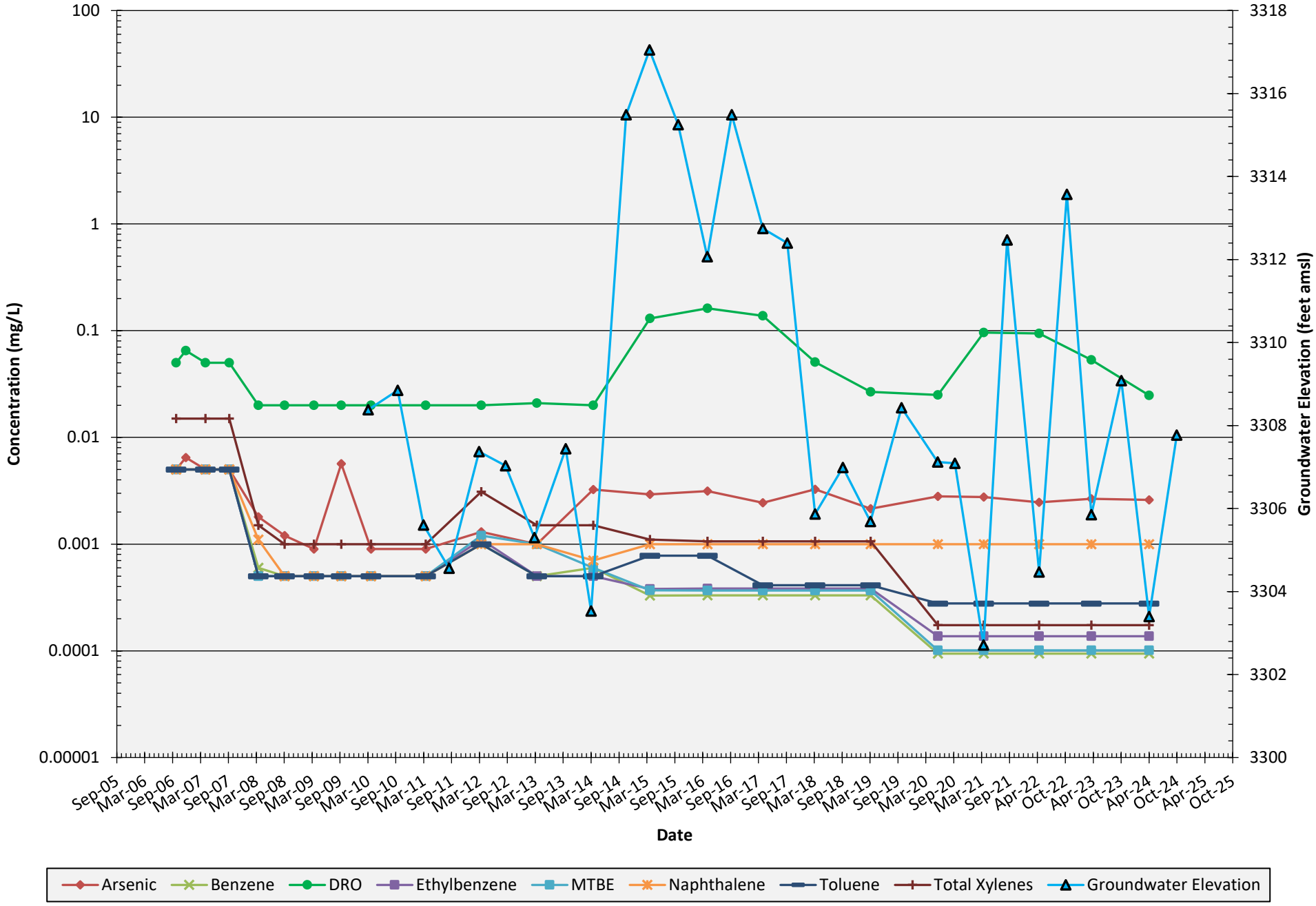
Three Mile Ditch



MW-68: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

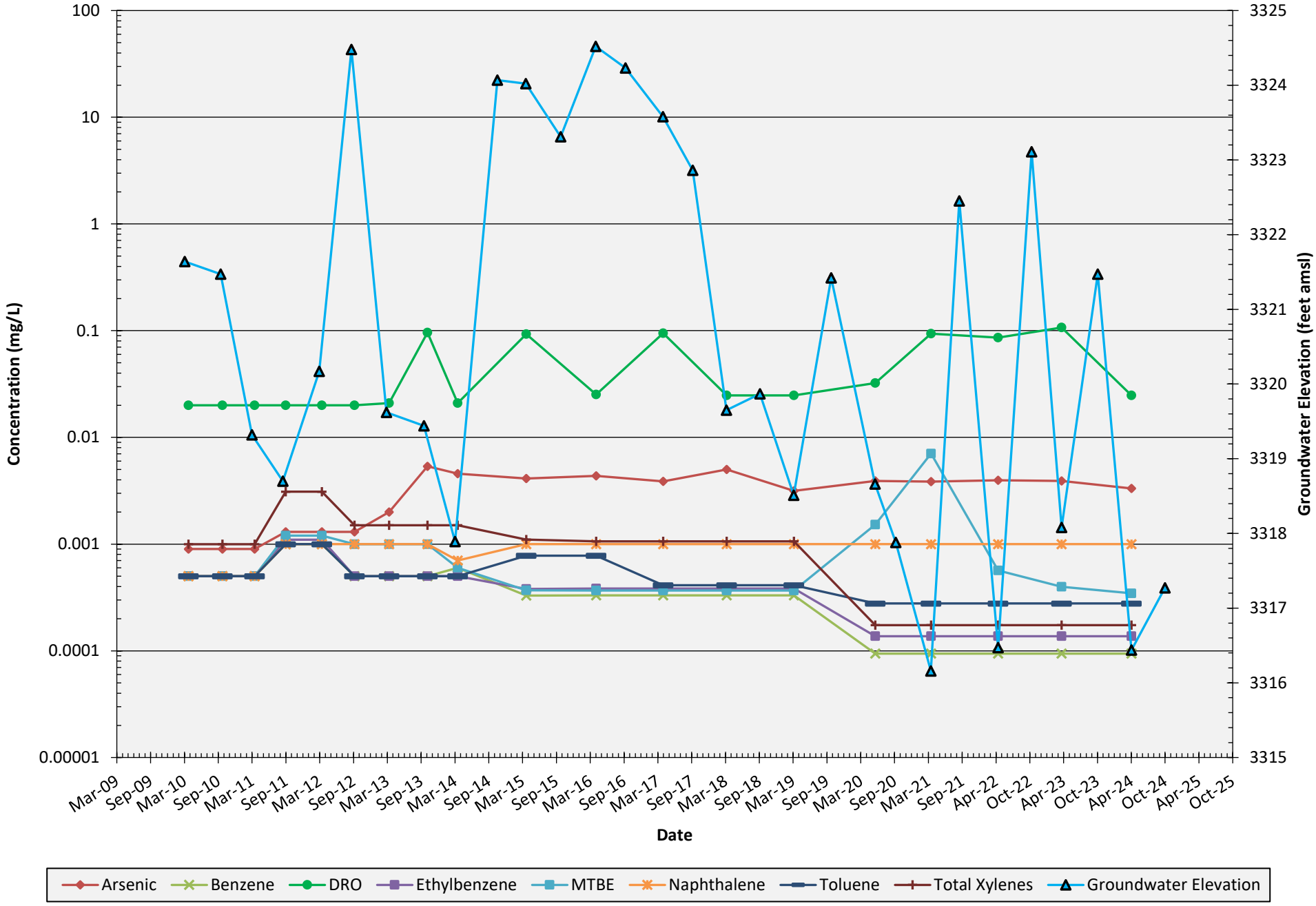
Three Mile Ditch



MW-71: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

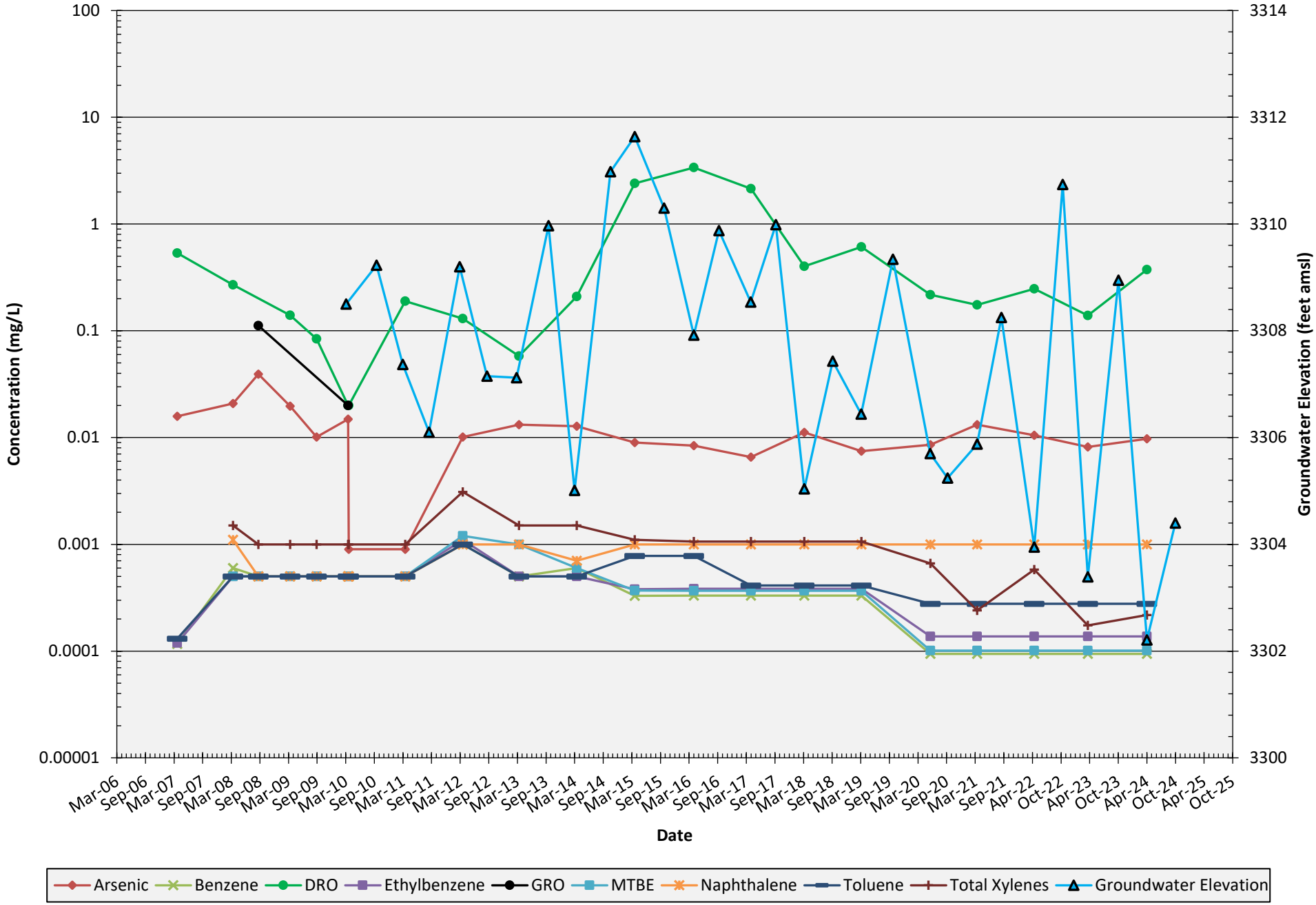
Three Mile Ditch



MW-89: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

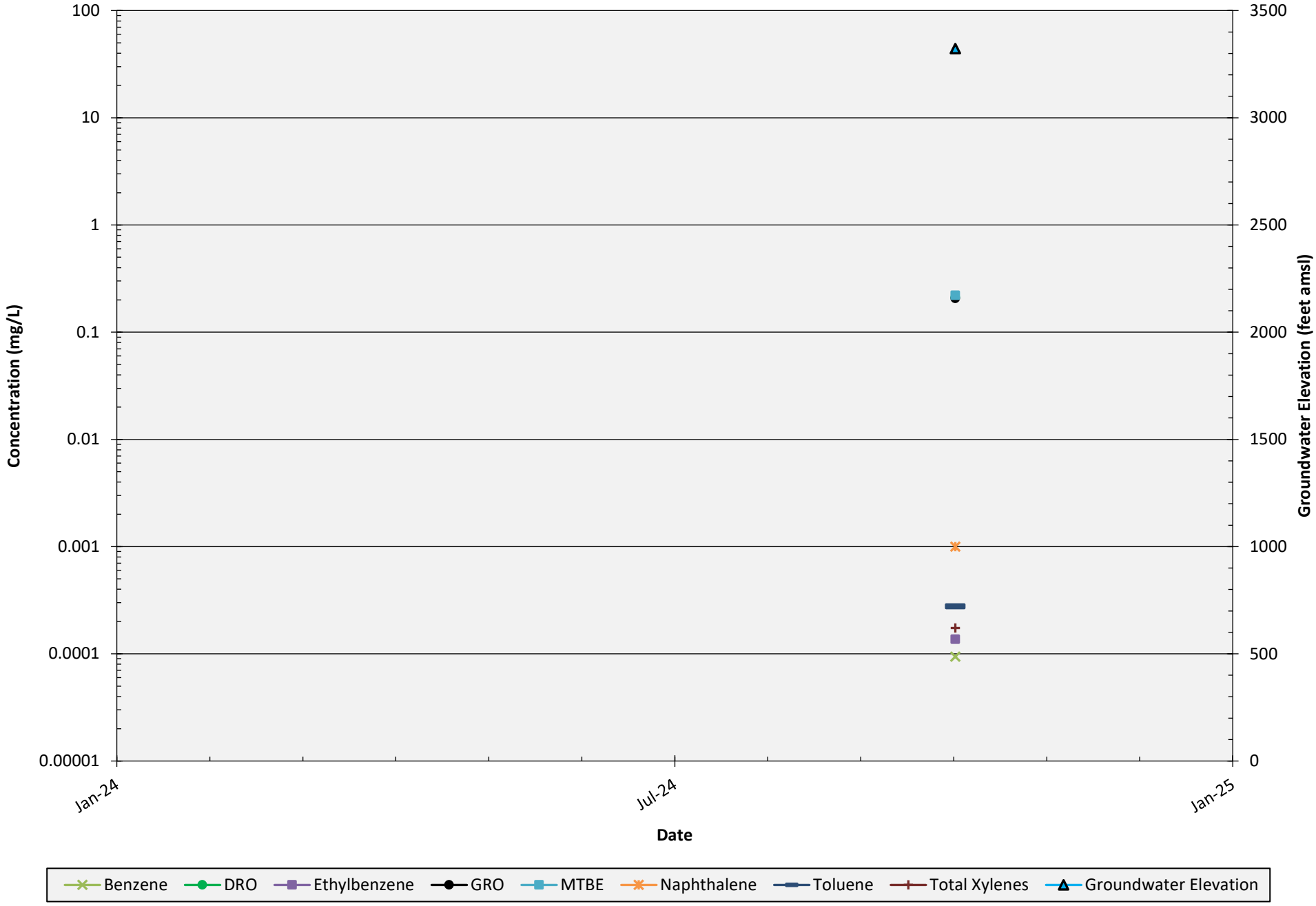
Three Mile Ditch



MW-152: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

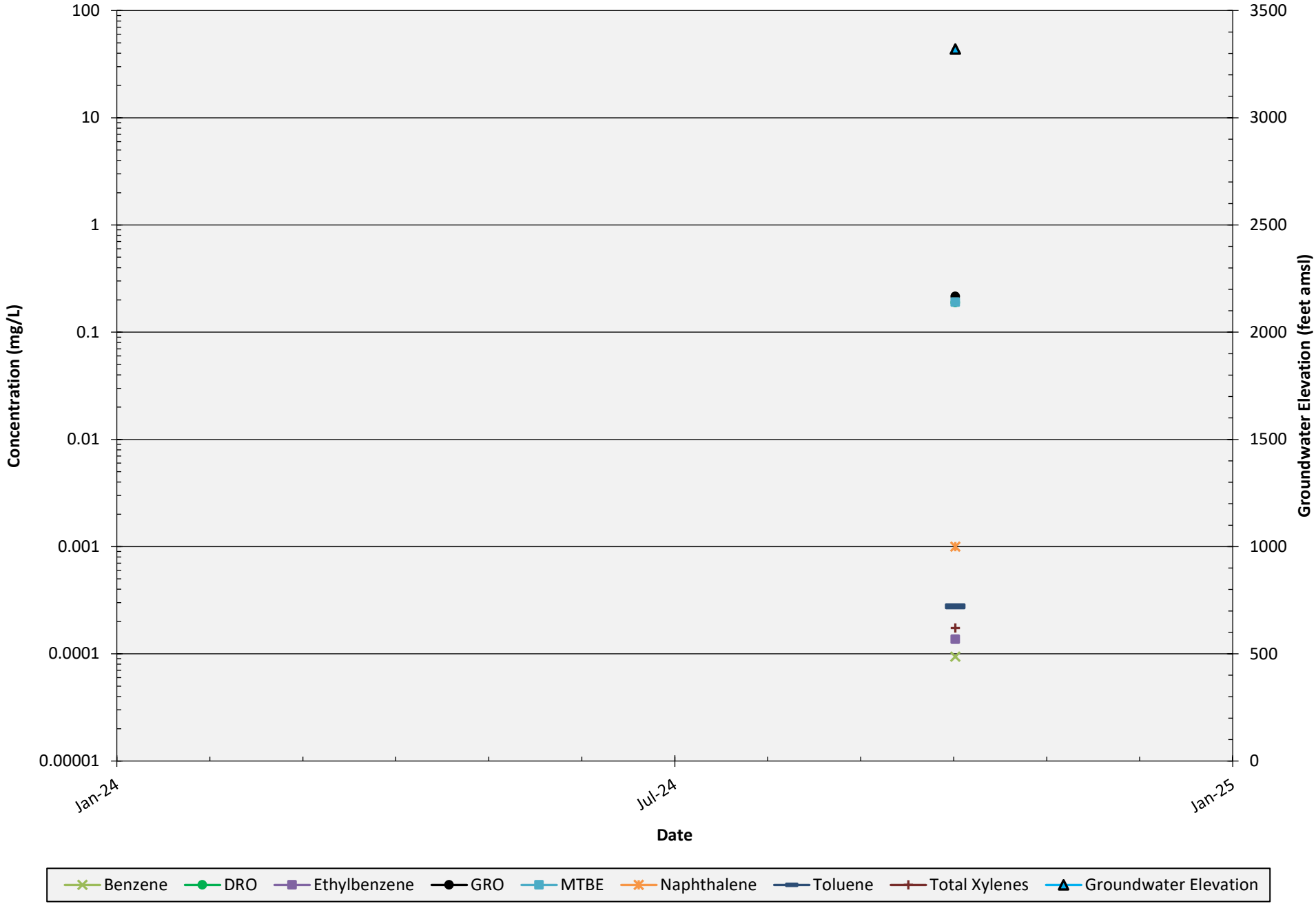
Three Mile Ditch



MW-153: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

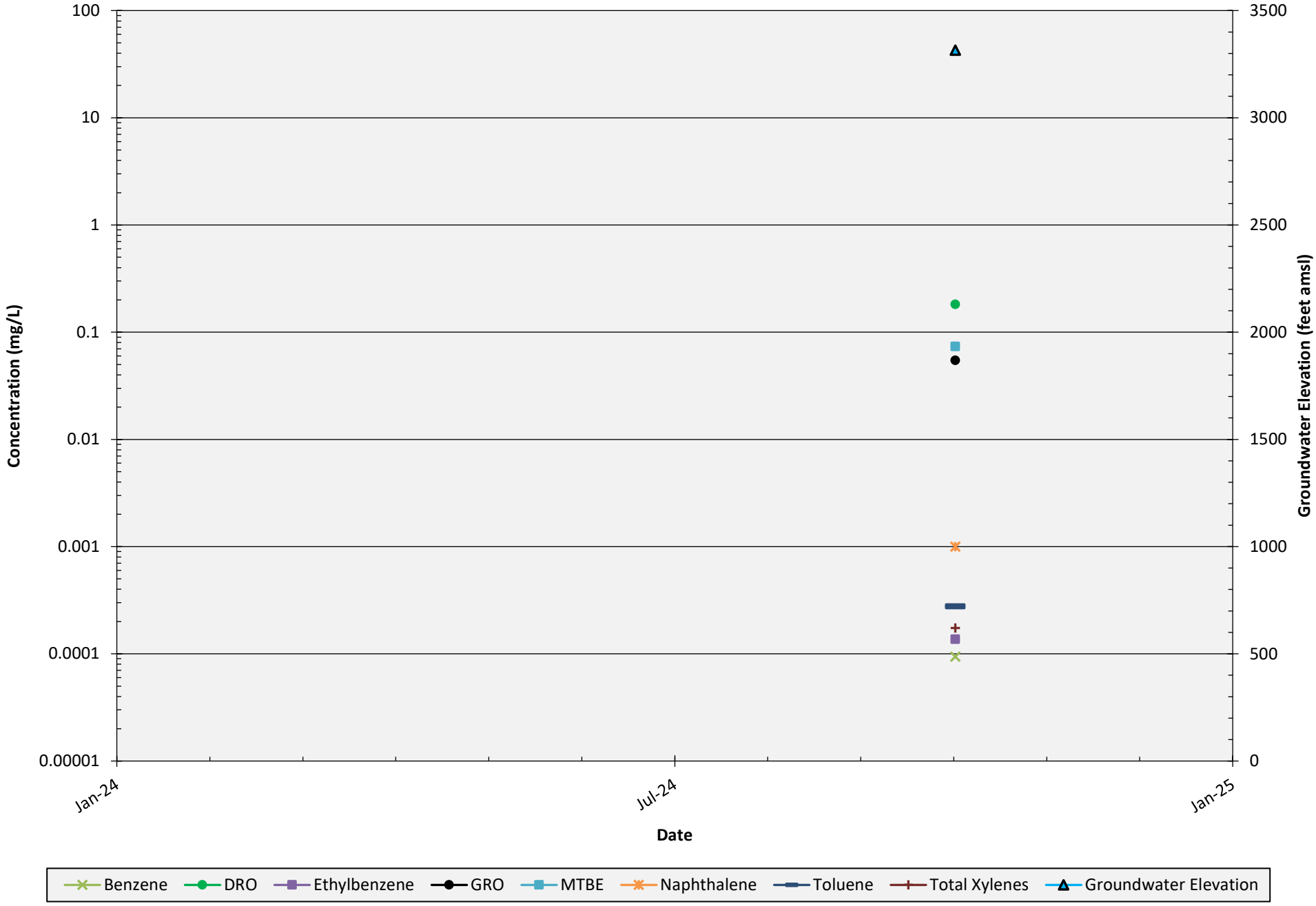
Three Mile Ditch



MW-154: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

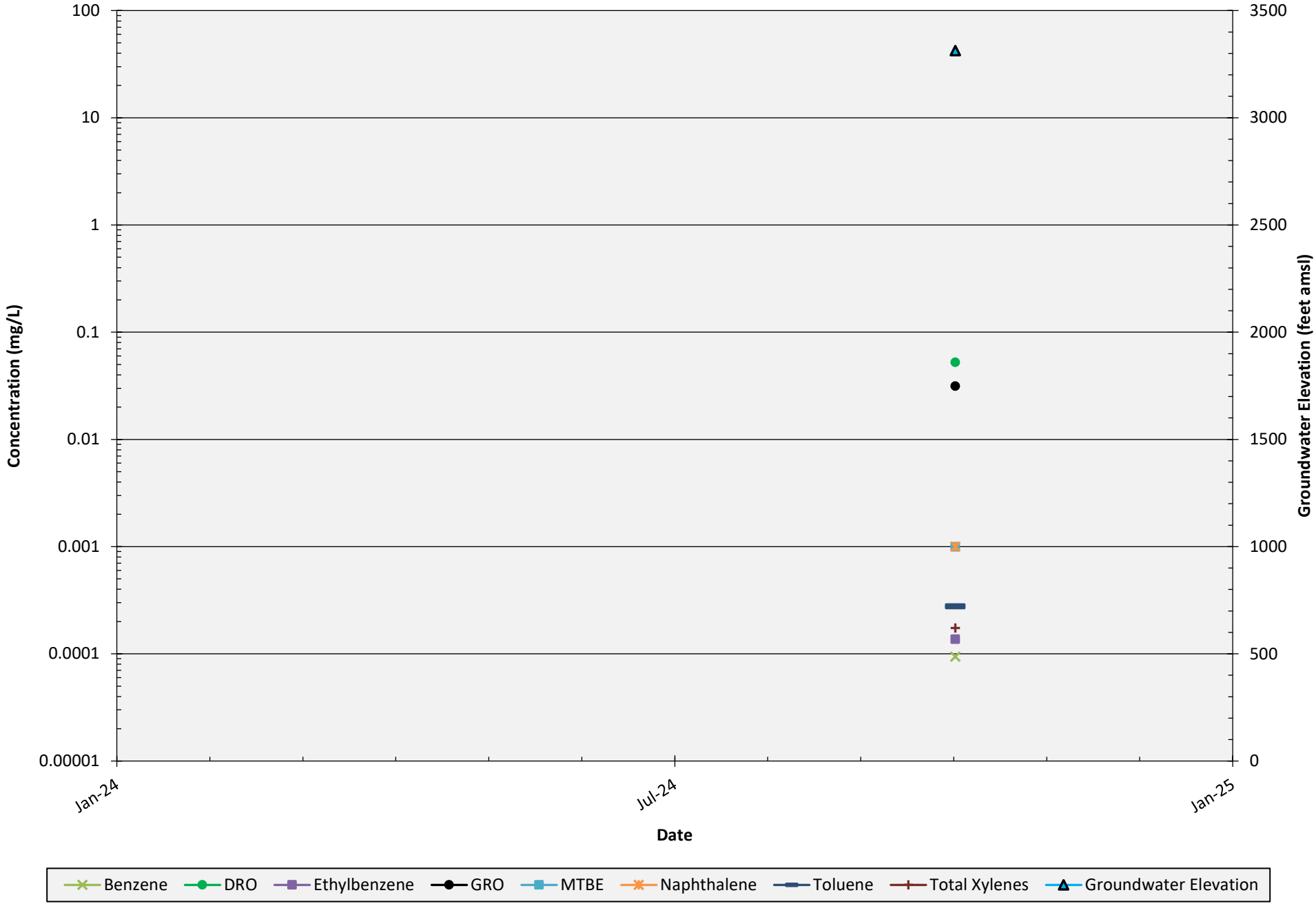
Three Mile Ditch



MW-155: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

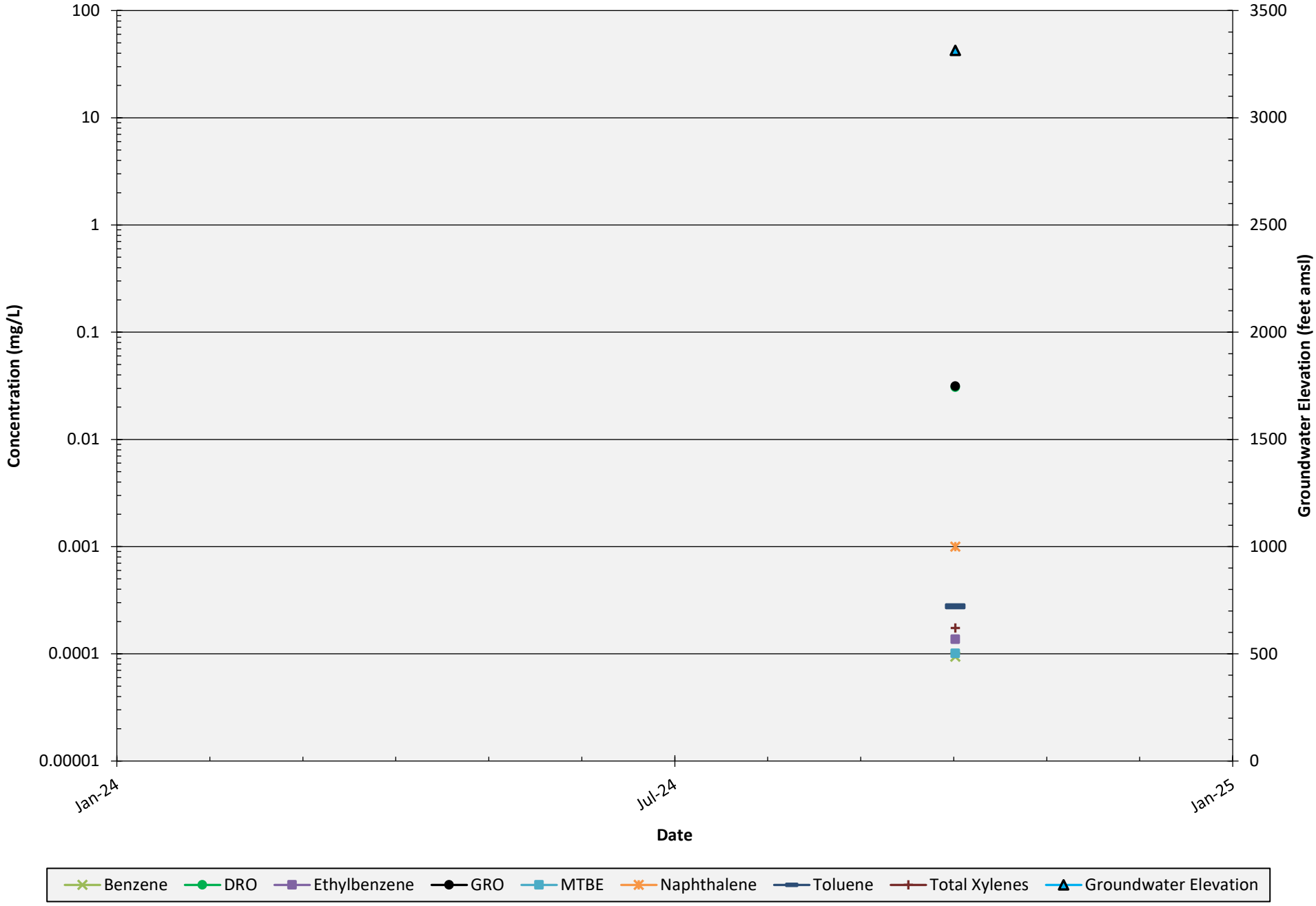
Three Mile Ditch



MW-156: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

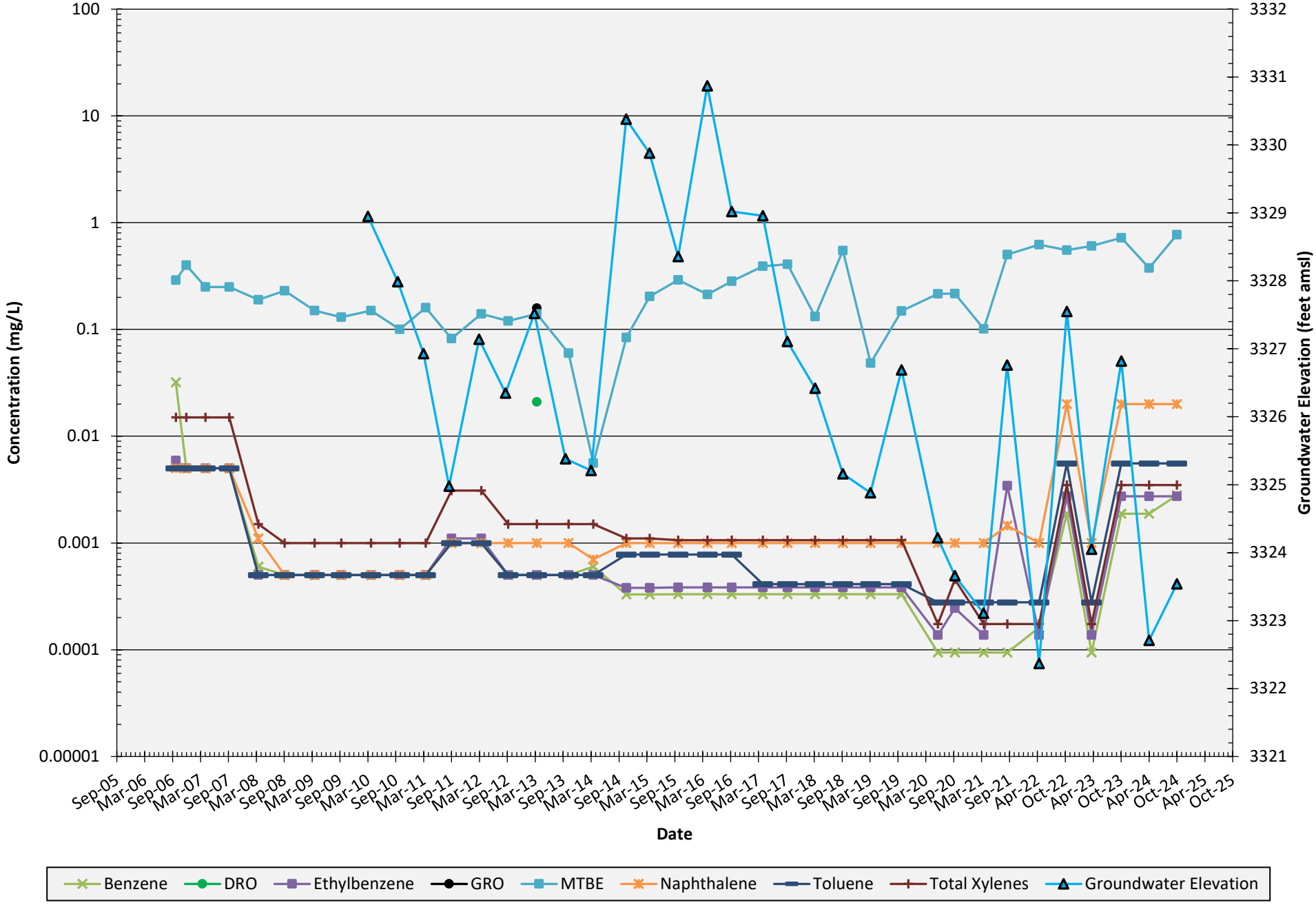
Three Mile Ditch



NP-1: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

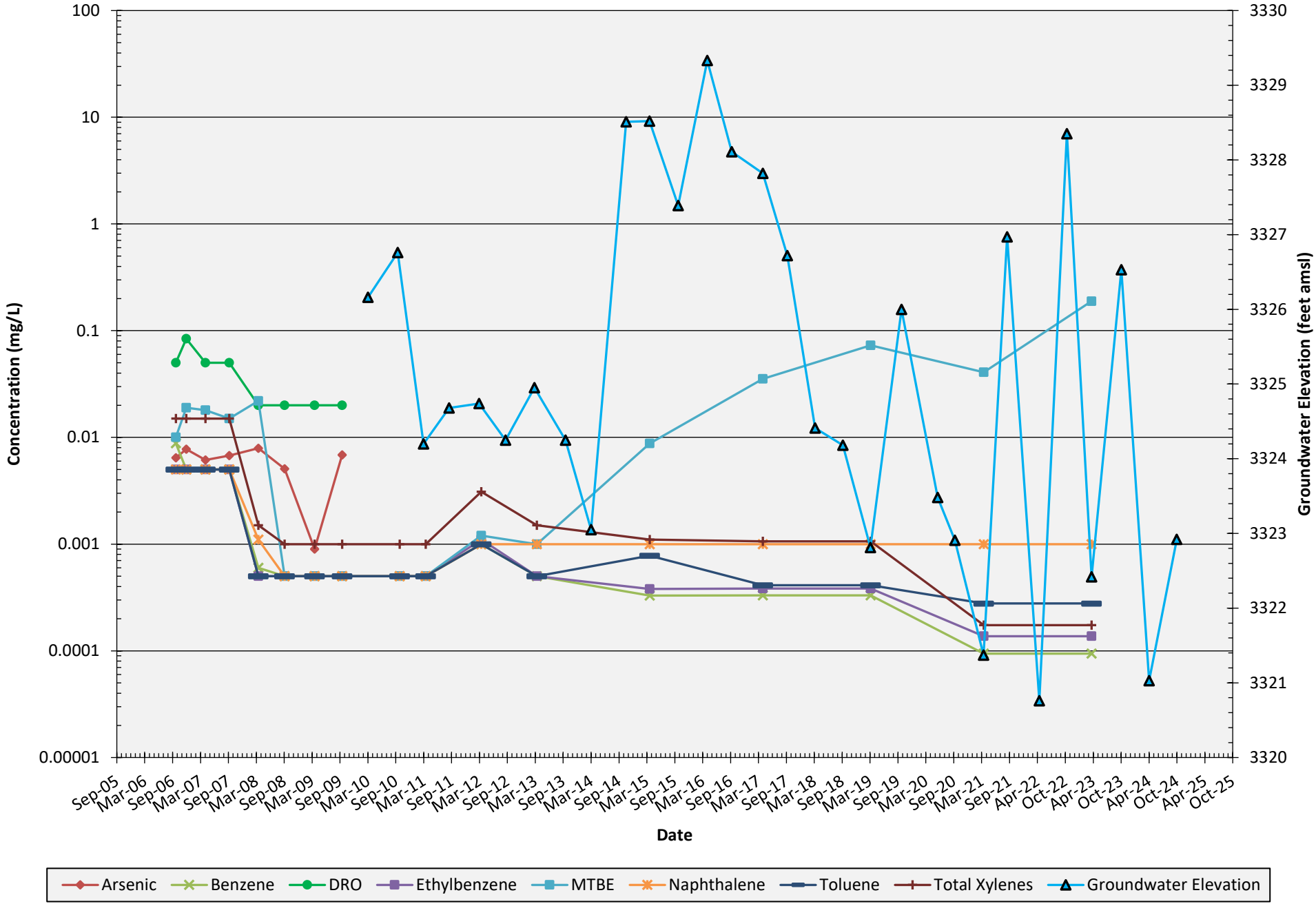
Three Mile Ditch



NP-6: COC Concentrations and Groundwater Elevations

HF Sinclair Navajo Refining LLC - Artesia Refinery

Three Mile Ditch



Appendix D: Data Validation

Data reported by Pace Analytical in Mount Juliet, Tennessee, for the groundwater samples collected in April and October 2024 were reviewed to ensure that reported analytical results met the data quality requirements contained in the United States Environmental Protection Agency (USEPA) *National Functional Guidelines for Organic Superfund Methods Data Review* (USEPA, November 2020), *National Functional Guidelines for Inorganic Superfund Methods Data Review* (USEPA, November 2020), and the individual methods, as applicable. Quality control (QC) data indicate that measurement data are sufficient to meet method quality objectives, reported data are defensible, and QC mechanisms were generally effective in ensuring measurement data reliability within the expected limits of sampling and analytical error.

The following significant issue was identified.

- Due to significant holding time exceedances, the nondetect results for nitrate and nitrite in sample EB-REST-05 collected in April 2024, nitrate in samples EB-REST-02 (re-analysis), MW-110, and NCL-44 collected in October 2024, and nitrite in samples EB-REST-02 (re-analysis), MW-109, MW-110, MW-140, MW-52, NCL-32, and NCL-44 collected in October 2024 are not usable for project objectives.

The following sections discuss the QC issues identified during the data review for each of the data reports listed below.

April 2024 Data Packages	October 2024 Data Package
L1721276	L1784264
L1721739	
L1722286 (Revised 1/3/2025)	

Note that the Condition (nonconformance [NCF] / OK) and sample pHs, as applicable, were not recorded consistently on all chains-of custody (COCs). Therefore, the comments in the case narrative were used to evaluate sample condition; the laboratory was not contacted about this issue.

Analytes that were detected in the both the associated blank and sample were evaluated as follows: Corresponding samples at concentrations within five times the maximum blank concentration for inorganic analytes and within 10 times the maximum blank concentrations for organic analytes may include measurement contributions from the laboratory (for method blanks) and/or field (for equipment and trip blanks).

The following criteria were used in evaluation of the field duplicates: When both results are ≥ five times the reporting limit (RL), relative percent differences (RPDs) must be <30%. When one or both results are < five times the RL, the absolute difference must be < the RL.

The following criteria were used in evaluation of laboratory duplicates: When both results are ≥ five times the RL, RPDs must be <20%.

Lab Report L1721276

Sample identifiers cross-referenced to laboratory identifications are presented below.

Sample ID	Lab ID
L1721276-01	UG-3R
L1721276-02	UG-4
L1721276-03	UG-1
L1721276-04	UG-2
L1721276-05	MW-145
L1721276-06	MW-146
L1721276-07	DUP-REST-04[1]
L1721276-08	EB-REST-04

[1]Field duplicate of MW-146

Data Review Checklist	Yes	No	Not applicable
Did all samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X		
All samples within holding times?	X		
Any detection in method blanks?	X		
Any detection in equipment blanks?	X		
Any detection in trip blanks?			X
Any laboratory control sample (LCS) LCS or LCS duplicates (LCSD) percent recoveries (%R) out of laboratory defined limits?	X		
Any LCS/LCSD RPD above laboratory defined limits?		X	
Any matrix spike (MS) or MS duplicate (MSD) %R outside of laboratory defined limits?	X		
Any MS/MSD RPD above laboratory defined limits?		X	
Any surrogate %R outside of laboratory defined limits?		X	
Any laboratory duplicate RPD above laboratory defined limits?		X	
Any field duplicate data additionally flagged as estimated?	X		
Any analyte analyzed by a nonequivalent method than planned?		X	

Other

RLs for dissolved solids in the field samples were 2.5-10 times higher than the associated method blank but the laboratory did not include a sample narrative explaining the elevated RLs. The samples were likely prepared at a reduced volume due to the elevated concentrations of dissolved solids. There is no impact on data usability since dissolved solids results were detected above the RLs in the affected samples.

Select samples were analyzed at dilutions for nitrate, nitrite, chloride, cyanide, fluoride, and/or sulfate. The laboratory noted that select samples were diluted due to matrix (i.e., likely the presence of these target and/or non-target analytes which would have exceeded the calibration range if undiluted). Except as noted below for fluoride, nitrate, and nitrite, there is no impact on data usability for these analytes since these analytes were detected above the MDLs and/or RLs in the diluted samples. The nondetect RLs for cyanide in samples UG-1 and UG-2, fluoride in

samples UG-1, UG-3R, and UG-4, nitrate in samples UG-1 and UG-4, and nitrite in sample UG-1 were elevated accordingly.

The laboratory flagged the results for total calcium and total sodium in sample MW-145 with an "O1" qualifier indicating that either a serial dilution (SD) or post-digestion spike (PDS) result was outside of the acceptance criteria. The laboratory was contacted during this review and specified that the SD performed on this sample was outside of the acceptance criteria (10 percent difference [%D]) for total calcium (16.9 %D) and total sodium (15 %D). Thus, potential uncertainty exists for the total calcium and total sodium results in sample MW-145; this uncertainty may extend to other positive results for total calcium and total sodium in samples collected during the April 2024 sampling event.

Laboratory Method Blanks

The following analytes were detected in the method blanks: fluoride, TPH (GC/FID) low fraction, and TPH (GC/FID) high fraction. The analytes listed below were detected in the corresponding samples at concentrations within five times the blank concentration for inorganic analytes and within 10 times the blank concentrations for organic analytes. Therefore, these samples may include measurement contributions from the laboratory.

- Fluoride: MW-145, DUP-REST-04, EB-REST-04
- TPH (GC/FID) low fraction: MW-145
- TPH (GC/FID) high fraction: UG-3R

Equipment Blanks

The following analytes were detected in the equipment blank submitted with this data set: EB-REST-04: total barium, dissolved barium, total calcium, carbon tetrachloride, chloride, chloroform, fluoride*, o-xylene, total potassium, total sodium, sulfate, and total xylenes. The analytes listed below were detected in the corresponding samples at concentrations within five times the maximum equipment blank concentration for inorganic analytes and within 10 times the equipment blank concentrations for organic analytes. Therefore, these samples may include measurement contributions from the field.

- Chloroform: UG-1
- Chloride: UG-1, UG-2

*The result for fluoride in equipment blank sample EB-REST-04 was less than five times the associated method blank concentration and was likely the result of laboratory contamination; therefore, this result did not likely impact any field sample results.

LCS/LCSD

The LCS %R (125%) for trichloroethene was outside of the laboratory-defined limits (78-124%) in QC batch WG2261956. There is no impact on the data usability due to this issue since trichloroethene was not detected in the samples from this QC batch, MW-145, MW-146, DUP-REST-04, and EB-REST-04.

MS/MSDs

MS/MSD analyses were performed on sample EB-REST-04 for chloride, fluoride, and sulfate, sample UG-3R for dissolved boron, sample UG-2 for total boron, sample MW-145 for total 6020 metals and TPH (GC/FID) low fraction, and sample DUP-REST-04 for dissolved 6020 metals. All criteria were met except as noted below.

The %Rs of total calcium and total sodium in the MS/MSD performed on sample MW-145 were outside of the laboratory-defined recovery limits (75-125%). However, the concentrations of total calcium and sodium in the unspiked sample were greater than four times the spiked concentrations; thus, the %Rs of total calcium and sodium were not used to evaluate potential matrix effects.

Laboratory Duplicates

Laboratory duplicate analysis was performed on sample EB-REST-04 for chloride, fluoride, and sulfate. All criteria were met.

Field Duplicates

Samples DUP-REST-04/MW-146 were submitted as the field duplicate pair. All criteria were met with the following exception. The result for sulfate was <5x the RL in the field duplicate sample and was > 5x the RL in the parent sample. The absolute difference was greater than the RL. Therefore, the positive results for sulfate in samples MW-146 and DUP-REST-04 may be considered estimated.

Lab Report L1721739

Sample identifiers cross-referenced to laboratory identifications are presented below.

Lab ID	Sample ID
L1721739-01	MW-6A
L1721739-02	MW-120
L1721739-03	MW-121
L1721739-04	MW-122
L1721739-05	MW-2A
L1721739-06	MW-72
L1721739-07	OCD-6
L1721739-08	OCD-7AR
L1721739-09	MW-76
L1721739-10	MW-77
L1721739-11	MW-78
L1721739-12	MW-75
L1721739-13	MW-83
L1721739-14	MW-3
L1721739-15	MW-88
L1721739-16	MW-22A
L1721739-17	DUP-EP-02[1]
L1721739-18	DUP-EP-03[2]
L1721739-19	MW-25
L1721739-20	MW-1R
L1721739-21	MW-15
L1721739-22	MW-87
L1721739-23	MW-18A
L1721739-24	MW-70
L1721739-25	MW-124
L1721739-26	EB-EP-02
L1721739-28	KWB-7
L1721739-29	MW-27
L1721739-30	MW-89
L1721739-31	MW-16
L1721739-32	MW-26
L1721739-33	KWB-11A
L1721739-34	KWB-11B
L1721739-35	MW-118
L1721739-36	MW-119
L1721739-37	MW-126B
L1721739-38	KWB-1A
L1721739-39	KWB-12B
L1721739-40	KWB-13
L1721739-41	MW-149
L1721739-42	MW-150
L1721739-43	MW-142
L1721739-44	MW-143
L1721739-45	DUP-REST-05[3]
L1721739-46	EB-REST-05

Lab ID	Sample ID
L1721739-47	TRIP BLANK-REST-02
L1721739-48	MW-102
L1721739-49	RW-6
L1721739-50	MW-144
L1721739-51	MW-135
L1721739-52	MW-147
L1721739-53	MW-148
L1721739-54	DUP-REST-02[4]
L1721739-55	EB-REST-02
L1721739-56	MW-101
L1721739-57	MW-105
L1721739-58	MW-61
L1721739-59	MW-62R
L1721739-60	MW-106
L1721739-61	TRIP BLANK-REST-04
L1721739-62	MW-90
L1721739-63	MW-96
L1721739-64	NCL-33
L1721739-65	NCL-44
L1721739-66	NCL-32
L1721739-67	NCL-31
L1721739-68	MW-18

[1]Field duplicate of MW-22A
[2]Field duplicate of MW-3
[3]Field duplicate of KWB-12B
[4]Field duplicate of MW-102

Items	Yes	No	Not applicable
Did all samples meet the laboratory's standard conditions of sample acceptability upon receipt?		X	
All samples within holding times?		X	
Any detection in method blanks?	X		
Any detection in equipment blanks?	X		
Any detection in trip blanks?	X		
Any LCS/LCSD %R out of laboratory defined limits?	X		
Any LCS/LCSD RPD above laboratory defined limits?	X		
Any MS/MSD %R outside of laboratory defined limits?	X		
Any MS/MSD RPD above laboratory defined limits?	X		
Any surrogate %R outside of laboratory defined limits?	X		
Any laboratory duplicate RPD above laboratory defined limits?	X		
Any field duplicate data additionally flagged as estimated?	X		
Any analyte analyzed by a nonequivalent method than planned?		X	

Other

RLs for dissolved solids in all samples except two of the equipment blanks (EB-EP-02 and EB-REST-02) were two to 40 times higher than the associated method blank but the laboratory

did not include a sample narrative explaining the elevated RLs. The samples were likely prepared at a reduced volume due to the elevated concentrations of dissolved solids. There is no impact on data usability since dissolved solids results were detected above the RLs in the affected field samples. the nondetect RL for dissolved solids in one of the equipment blanks, EB-REST-05, was elevated accordingly.

The laboratory noted that the nitrate, nitrite, chloride, fluoride, and sulfate analyses of samples KWB-1A, KWB-11A, KWB-11B, KWB-12B, KWB-13, MW-1R, MW-2A, MW-3, MW-6A, MW-15, MW-16, MW-18A, MW-22A, MW-25, MW-26, MW-27, MW-61, MW-70, MW-72, MW-75, MW-76, MW-77, MW-78, MW-83, MW-88, MW-87, MW-89, MW-90, MW-106, MW-118, MW-119, MW-120, MW-121, MW-122, MW-124, MW-126B, MW-135, MW-142, MW-143, MW-144, MW-149, MW-150, NCL-32, NCL-33, NCL-44, DUP-EP-02, DUP-EP-03, DUP-REST-05, OCD-6, and OCD-7AR, the chloride analysis of sample MW-62R, and the sulfate analysis of sample MW-96 were diluted due to matrix and/or high concentrations of target analytes. There is no impact on data usability for these analytes since these analytes were detected above the method detection limits (MDLs) and/or RL in these samples with the exception of fluoride in samples DUP-REST-05, MW-135, MW-150, KWB-12B, and KWB-13, and nitrate and/or nitrate in several samples listed above. The nondetect RLs for fluoride in samples DUP-REST-05, MW-135, MW-150, KWB-12B, and KWB-13 and nitrate and/or nitrite in several of these samples were elevated accordingly.

The laboratory noted that the VOC analyses of samples MW-75, MW-77, MW-78, and MW-83 were diluted 200-fold were diluted due to sample foaming. Therefore, the nondetect RLs for VOCs in these samples were elevated accordingly.

The laboratory noted that the cyanide analyses of samples KWB-7 (5-fold), KWB-13 (10-fold), and MW-18 (10-fold) were diluted due to matrix (i.e., sulfide and/or nitrate/nitrite interferences). Therefore, the nondetect RLs for cyanide in these samples were elevated accordingly.

Sample MW-96 was diluted 250-fold for MTBE and tert-butyl alcohol; the reason for dilution for MTBE was likely due to the elevated concentration but the reason for dilution of both compounds was not provided. Further, the laboratory noted on this same sample that the result for benzene was biased high due to carryover from sample MW-90. Therefore, the nondetect RL for tert-butyl alcohol in this sample was elevated accordingly and potential high bias exists for benzene.

Several other samples were analyzed at dilutions for total sodium, chloride, fluoride, sulfate, VOCs, TPH (GC/FID) high fraction, and/or TPH (GC/FID) low fraction but the laboratory did not include a sample narrative explaining the dilutions. The samples were likely diluted either due to matrix interference and/or the presence of target and/or non-target analytes which would have exceeded the calibration range if undiluted. There is no impact on data usability for total sodium, chloride, fluoride, sulfate, TPH (GC/FID) high fraction, and/or TPH (GC/FID) low fraction since these analytes were detected above the MDLs and/or RLs in the diluted samples. The nondetect RLs for several VOCs in samples DUP-REST-02, MW-61, MW-102, MW-105, and MW-106 were elevated accordingly.

The results for total and dissolved arsenic in samples DUP-EP-03 and MW-106, total and dissolved barium in samples DUP-EP-03, MW-105, and OCD-7AR, and total and dissolved manganese in samples MW-88, MW-126B, and DUP-EP-03 may be considered estimated since the dissolved result exceeded the total result by greater than 20% and both results were greater than 5x the RL. Data usability was not affected when one or both results were < 5x the RL and the absolute differences between the total and dissolved results were < 2x the RL; therefore these scenarios are not summarized.

The result for total iron in samples MW-126B and MW-143, total barium in sample MW-120, and total arsenic in samples MW-22A and MW-88 were either <5x the RL or nondetect and the results for dissolved iron, dissolved barium, and/or dissolved arsenic were >5x the RL; the absolute differences between the total and dissolved results were above 2x the RL. therefore, the results for total and dissolved iron in samples MW-126B and MW-143, total and dissolved barium in sample MW-120, and total and dissolved arsenic in samples MW-22A MW-88 may be considered estimated.

Standard Conditions

The laboratory noted that no containers were received for sample TRIP BLANK-EP-03; there is no impact on the data usability due to this issue since this sample was not submitted.

Holding Times

Sample EB-REST-05 was analyzed for nitrate and nitrite more than 96 hours after collection (i.e., a significant hold time exceedance; more than 2x the method holding time of 48-hours after collection). **Therefore, the nondetect results for nitrate and nitrite in sample EB-REST-05 are not usable for project objectives due to the significant holding time exceedance.**

Sample MW-106 was extracted for 1,4-dioxane two days after the 7-day holding time. Therefore, potential low bias exists for the nondetect result for 1,4-dioxane in this sample.

Laboratory Method Blanks

The following analytes were detected in the method blanks: nitrate, nitrite, sulfate, dissolved nickel, dissolved lead, carbon disulfide, and 1,4-dioxane. The analytes listed below were detected in the corresponding samples at concentrations within five times the method blank concentration for inorganic analytes and within 10 times the method blank concentration for organic analytes. Therefore, these samples may include measurement contributions from the laboratory.

- Nitrate: EB-EP-02, DUP-EP-02, DUP-EP-03, KWB-11A, KWB-11B, MW-1R, MW-15, MW-16, MW-18A, MW-22A, MW-25, MW-26, MW-27, MW-3, MW-70, MW-87, MW-88, MW-89, MW-124
- Nitrite: EB-EP-02, KWB-7, DUP-EP-02, DUP-EP-03, KWB-11A, KWB-11B, MW-3, MW-16, MW-18A, MW-22A, MW-25, MW-26, MW-27, MW-70, MW-88, MW-89, MW-124
- Dissolved nickel: MW-118, MW-119
- Dissolved lead: MW-148

- Carbon disulfide: MW-18, MW-61, MW-62R, MW-90, MW-96, MW-106, NCL-31, NCL-32, NCL-33, NCL-44

Equipment Blanks

The following table summarizes the analytes were detected in the equipment blank samples and the associated samples based on the location at the site. The analytes listed in the table below were detected in the corresponding samples at concentrations within five times the maximum equipment blank concentration, where applicable, for inorganic analytes and within 10 times the maximum equipment blank concentration for organic analytes. Therefore, the analytes for the impacted samples listed in the table below may include measurement contributions from the field.

Blank ID(s)	Analyte	Impacted Sample Results*
EB-EP-02	Total calcium, Total sodium, Chloroform, cis-1,2-Dichloroethene, Nitrate**, Nitrite**	None
	TPH (GC/FID) High Fraction	MW-1R, MW-2A, MW-15, MW-18A, MW-72, MW-87, MW-120, MW-121, MW-122, MW-124, MW-126B
	Fluoride	DUP-EP-02, DUP-EP-03, MW-1R, MW-2A, MW-3, MW-6A, MW-15, MW-18A, MW-22A, MW-70, MW-76, MW-87, MW-88, MW-120, MW-122, MW-124, MW-126B, OCD-6, OCD-7AR
Associated samples (EP Area of the site from this report): DUP-EP-02, DUP-EP-03, MW-1R, MW-2A, MW-3, MW-6A, MW-15, MW-18A, MW-22A, MW-70, MW-72, MW-75, MW-76, MW-77, MW-78, MW-83, MW-87, MW-88, MW-120, MW-121, MW-122, MW-124, MW-126B, OCD-6, OCD-7AR		
EB-REST-02	Dissolved barium	DUP-REST-05, KWB-12B, KWB-1A, MW-118, MW-119, MW-135, MW-142, MW-143, MW-147, MW-148, MW-25, MW-26, MW-89
	Total barium	KWB-1A, MW-143, MW-147, MW-148, MW-26
	Carbon tetrachloride, Chloride, Total sodium	None
	Dissolved iron	DUP-REST-02, KWB-1A, KWB-7, MW-16, MW-25, MW-102, MW-150
	Dissolved manganese	KWB-11B, KWB-13, MW-27, MW-96, MW-106, MW-119, MW-149
	Nitrate	DUP-REST-02, KWB-7, MW-62R, KWB-1A, KWB-11A, KWB-11B, MW-16, MW-25, MW-26, MW-27, MW-89
	Nitrite	DUP-REST-02, KWB-7, MW-62R, KWB-11A, KWB-11B, MW-16, MW-25, MW-26, MW-27, MW-89, MW-135, NCL-33
EB-REST-02	Total potassium	DUP-REST-02, DUP-REST-05, KWB-11A, KWB-12B, KWB-13, KWB-1A, KWB-7, MW-101, MW-102, MW-119, MW-135, MW-142, MW-143, MW-147, MW-149, MW-150, MW-61, MW-62R, MW-90, MW-96, NCL-31, RW-6
	TPH (GC/FID) High Fraction	DUP-REST-05, KWB-11B, KWB-12B, KWB-1A, MW-16, MW-25, MW-26, MW-27, MW-119, MW-135, MW-147, MW-148, MW-149, MW-150

Blank ID(s)	Analyte	Impacted Sample Results*
EB-REST-05	Total and Dissolved boron	KWB-11B
	Fluoride	MW-62R, RW-6, KWB-11A, KWB-11B, KWB-1A, MW-16, MW-18A, MW-25, MW-26, MW-27, MW-61, MW-89, MW-90, MW-106, MW-118, MW-119, MW-142, MW-143, MW-144, MW-147, MW-148, MW-149, NCL-32, NCL-33, NCL-44, OCD-6, OCD-7AR
	Chloroform, Sulfate	None
EB-REST-02, EB-REST-05	Total calcium	None
Associated samples (the remaining Areas of the site from this report. i.e., REST, NCL, TEL, and TMD): **NCL:** MW-18, NCL-31, NCL-32, NCL-33, NCL-44 **TEL:** Not applicable **TMD:** MW-16, MW-25, MW-26, MW-27, MW-89 **REST:** DUP-REST-02, DUP-REST-05, KWB-11A, KWB-11B, KWB-12B, KWB-13, KWB-1A, KWB-7, MW-61, MW-62R, MW-90, MW-96, MW-101, MW-102, MW-105, MW-106, MW-118, MW-119, MW-135, MW-142, MW-143, MW-144, MW-147, MW-148, MW-149, MW-150, RW-6		
*Impacted sample results are those that were detected at concentrations within five times the maximum associated equipment blank concentration for inorganic analytes and within 10 times the maximum associated equipment blank concentration for organic analytes.		

**Note that these asterisked results in the equipment blank samples noted in the table above were less than five times the concentration detected in the associated method blank for inorganic analytes; therefore, the results for the asterisked results in the equipment blank samples noted in the table above were probably the result of laboratory method blank contamination and did not affect any associated field samples.

Trip Blanks

Carbon disulfide was detected in the trip blank sample, TRIP BLANK-REST-02. Potential high bias exists for the positive results for carbon disulfide in samples MW-18, MW-61, MW-62R, MW-90, MW-96, MW-102, MW-106, NCL-31, NCL-32, NCL-33, and NCL-44 since the sample results were less than 10 times the concentration detected in the associated trip blank.

LCS/LCSD

The LCS/LCSD RPD for chloromethane (25.1%) was above the laboratory-defined limits (20%) in QC batch WG2261823. Since chloromethane was not detected in the samples from this QC batch, MW-106, MW-18, MW-61, MW-62R, MW-90, MW-96, NCL-31, NCL-32, NCL-33, NCL-44, and TRIP BLANK-REST-04, there is no impact on data usability.

The LCS %R for carbon tetrachloride (127%) and LCS/LCSD %Rs for bromodichloromethane (122%/121%) were outside of the laboratory-defined limits (68.0-126% and 75.0-120%, respectively) in QC batch WG2262482. Further, the LCS/LCSD RPD for tert-butyl alcohol (35.6%) was outside of the laboratory-defined limit (30%) in the same QC batch. Since carbon tetrachloride, bromodichloromethane, and tert-butyl alcohol were not detected in the sample from this QC batch, MW-89, there is no impact on data usability.

The LCS/LCSD RPD for tert-butyl alcohol (35.6%) was outside of the laboratory-defined limit (30%) in QC batch WG2262877. Since tert-butyl alcohol was not detected in the samples from this QC batch, MW-96 and NCL-33, there is no impact on data usability.

The LCS/LCSD %Rs for benzaldehyde (214%/214%) and 4-nitrophenol (208%/206%) were above the laboratory-defined limits (10-160% and 10.0-120%, respectively) in QC batch WG2262042. Since benzaldehyde and 4-nitrophenol were not detected in the sample from this QC batch, MW-61, there is no impact on data usability.

MS/MSDs

MS and/or MS/MSD analyses were performed on the following samples:

- KWB-11A: Cyanide
- MW-78: Chloride, fluoride, nitrite, nitrate
- EB-EP-02, EB-REST-05: Chloride, fluoride, nitrite, nitrate, sulfate
- KWB-7: Chloride, sulfate
- MW-62R: Nitrate, nitrite, sulfate
- KWB-1A, MW-18, DUP-REST-05: Dissolved mercury
- MW-18A, DUP-REST-05: Total mercury
- MW-2A, MW-25: Select dissolved 6020 metals
- MW-124, MW-150: Dissolved 6020 metals
- MW-88: Select total 6020 metals
- MW-16, RW-6: Total 6020 metals
- MW-102: Dissolved lead

The %Rs of cyanide in the MS/MSD performed on sample KWB-11A (87.8%/83.3%) were outside of the laboratory-defined recovery limits (90-110%); therefore, the positive and nondetect results for cyanide in groundwater samples DUP-REST-05, KWB-1A, KWB-7, KWB-11A, KWB-11B, KWB-12B, KWB-13, MW-18, and MW-18A may be potentially biased low.

The %Rs of chloride in the MS and MSD performed on sample MW-78 were outside of the laboratory-defined recovery limits (80-120%). However, the concentration of chloride in the unspiked sample was greater than four times the spiked concentration; thus, the %Rs of chloride were not used to evaluate potential matrix effects.

The %Rs of fluoride in the MS/MSD performed on sample MW-78 (76.9%/79.8%) were outside of the laboratory-defined recovery limits (80-120%); therefore, the positive and nondetect results for fluoride in all groundwater samples from this lab report may be potentially biased low.

The %Rs of nitrate in the MS/MSD performed on sample MW-78 (136%/140%) were outside of the laboratory-defined recovery limits (80-120%); therefore, the positive results for nitrate in all groundwater samples from this lab report except sample MW-62R may be potentially biased high.

The %Rs of chloride and sulfate in the MS performed on sample KWB-7 were outside of the laboratory-defined recovery limits (80-120%). However, the concentrations of chloride and sulfate in the unspiked sample were greater than four times the spiked concentration; thus, the %Rs of chloride and sulfate were not used to evaluate potential matrix effects.

The %Rs (30.2%/40.0%) and the RPD (28.0%) of dissolved mercury in the MS/MSD performed on sample KWB-1A were outside of the laboratory-defined limits (75-125% and 20%,

respectively). Further, the %Rs (49.6%/49.0%) of dissolved mercury in the MS/MSD performed on sample MW-18 were also outside of the laboratory-defined limits (75-125%). The laboratory also flagged the results for dissolved mercury in these samples with an "O1" qualifier indicating that either SD or PDS results were outside of the acceptance criteria. The laboratory was contacted during this review and specified that the %Rs in the PDS analyses performed on samples MW-18 (61.2%) and KWB-1A (29.7%) for dissolved mercury were outside of the acceptance criteria (80-120%). Therefore, the nondetect results for dissolved mercury in all groundwater samples from this lab report except DUP-REST-05 and KWB-12B may be potentially biased low.

The %Rs of total mercury in the MS/MSD performed on sample MW-18A (63.0%/63.5%) were outside of the laboratory-defined recovery limits (75-125%). The laboratory also flagged the result for total mercury in this sample with an "O1" qualifier indicating that either SD or PDS results were outside of the acceptance criteria. The laboratory was contacted during this review and specified that the %R in the PDS analysis performed on this sample for total mercury (65%) was outside of the acceptance criteria (80-120%). Therefore, the nondetect results for total mercury in all groundwater samples from this lab report except DUP-REST-05 and KWB-12B may be biased low.

The %Rs of dissolved manganese in the MS/MSD performed on sample MW-2A and the MSD performed on sample MW-25 was outside of the laboratory-defined recovery limits (75-125%). However, the concentrations of dissolved manganese in the unspiked samples were greater than four times the spiked concentrations; thus, the %Rs of dissolved manganese were not used to evaluate potential matrix effects.

The %Rs of total calcium and total sodium in the MS/MSD performed on samples MW-16 and MW-88 were outside of the laboratory-defined recovery limits (75-125%). However, the concentrations of total calcium and total sodium in the unspiked samples were greater than four times the spiked concentrations; thus, the %Rs of these metals were not used to evaluate potential matrix effects.

The %Rs of total manganese (149%/147%) in the MS/MSD performed on sample MW-16 were outside of the laboratory-defined recovery limits (75-125%); therefore, the positive results for total manganese in all groundwater samples from this lab report except MW-88 and RW-6 may be biased high.

The %Rs of total sodium in the MS/MSD and the %R of total manganese in the MSD performed on sample RW-6 were outside of the laboratory-defined recovery limits (75-125%). However, the concentrations of total sodium and total manganese in the unspiked sample was greater than four times the spiked concentration; thus, the %Rs of total sodium and total manganese were not used to evaluate potential matrix effects.

Surrogate Recoveries

The surrogate (o-terphenyl) recovered below the laboratory control limits (52.0-156%) in the TPH (GC/FID) high fraction analysis of sample MW-77 (49.9%). The laboratory noted that this surrogate issue was due to matrix interference (i.e., emulsion during the extraction process). There was no impact on the data usability due to this issue since the sample was diluted 10-fold; therefore, the surrogate recovery was not applicable.

The surrogate (o-terphenyl) recovered below the laboratory control limits (52.0-156%) in the TPH (GC/FID) high fraction analysis of sample DUP-EP-02 (23.6%). The laboratory noted that this surrogate issue was due to matrix interference. Therefore, the positive result for TPH (GC/FID) high fraction in sample DUP-EP-02 may be biased low.

The surrogate (1,2-dichloroethane-d4) recovered above the laboratory control limits (70.0-130%) in the VOC analysis of sample MW-147 (135%). There was no impact on the data usability due to this issue since no VOCs were detected in this sample.

The surrogate (1,2-dichloroethane-d4) recovered above the laboratory control limits (70.0-130%) in the VOC analysis of sample MW-101 (132%). Therefore, the positive VOC results in sample MW-101 may be biased high.

Laboratory Duplicates

Laboratory duplicate analyses were performed on the following samples:

- KWB-7, KWB-11B, MW-27, MW-62R, MW-148, RW-6: Dissolved solids
- KWB-7, MW-78, EB-EP-02, EB-REST-05: Chloride, fluoride, sulfate, nitrite, nitrate

The RPD for dissolved solids in the duplicate analysis performed on sample RW-6 (11.0%) exceeded the laboratory-defined control limits (10%). However, there was no impact on the data usability since the RPD was within the acceptance criteria used in this evaluation (20%).

The RPDs for nitrite in the duplicate analyses performed on samples MW-78 and KWB-7 and the RPD for fluoride in the duplicate analysis performed on sample EB-EP-02 exceeded the laboratory-defined control limits (15%). However, the results in the parent and duplicate samples were less than 5x the RL so the laboratory duplicate RPDs were not applicable.

Field Duplicates

Samples DUP-EP-02/MW-22A, DUP-EP-03/MW-3, DUP-REST-02/MW-102, and DUP-REST-05/KWB-12B were submitted as the field duplicate pairs. All criteria were met except as noted below:

- The RPDs for total calcium (37.1%), total sodium (37%), and total manganese (81.1%) were above the acceptance criteria (30%) in field duplicate pair MW-3/DUP-EP-03. Further, the results for total potassium and total selenium were <5x the RL in both samples and the absolute differences were greater than the RLs. Therefore, the positive results for total calcium, total sodium, total manganese, total potassium, and total selenium in samples MW-3 and DUP-EP-03 may be potentially uncertain.

- The RPD for total manganese (99.7%) was above the acceptance criteria (30%) in field duplicate pair MW-22A/DUP-EP-02. Further, the result for total arsenic was <5x the RL in the parent sample and >5x the RL in the duplicate sample; the absolute difference was greater than the RL. Therefore, the positive results for total manganese and total arsenic in samples MW-22A and DUP-EP-02 may be potentially uncertain.

- The RPDs for total iron (53.5%), m,p-xylene (35.8%), methyl tert-butyl ether (MTBE) (31.5%), TPH (GC/FID) high fraction (31.2%), and total xylenes (33.1%) were above the acceptance criteria (30%) in field duplicate pair MW-102/DUP-REST-02. Further, the results for 1,3,5-trimethylbenzene, n-propylbenzene, and tert-butanol were <5x the RL in one of the two samples and the absolute differences were greater than the RLs. Therefore, the positive results for 1,3,5-trimethylbenzene, total iron, m,p-xylene, MTBE, n-propylbenzene, tert-butanol, TPH (GC/FID) high fraction, and total xylenes in samples MW-102 and DUP-REST-02 may be potentially uncertain.

- The RPD for nitrate (31.9%) was above the acceptance criteria (30%) in field duplicate pair KWB-12B/DUP-REST-05. Therefore, the positive results for nitrate in samples KWB-12B and DUP-REST-05 may be potentially uncertain.

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Sample identifiers cross-referenced to laboratory identifications are presented below.

Lab ID	Sample ID
L1722286-01	MW-84
L1722286-02	MW-81
L1722286-03	MW-80
L1722286-04	MW-79
L1722286-05	MW-82
L1722286-06	MW-74
L1722286-07	MW-73
L1722286-08	MW-130
L1722286-09	RW-19
L1722286-10	EB-EP-01
L1722286-11	EB-EP-04
L1722286-12	TRIP BLANK-EP-01
L1722286-13	MW-10
L1722286-14	MW-123
L1722286-15	MW-4A
L1722286-16	MW-5A
L1722286-17	MW-7A
L1722286-18	OCD-8A
L1722286-19	DUP-EP-01[1]
L1722286-20	EB-EP-03
L1722286-21	TRIP BLANK-EP-02
L1722286-22	OCD-1R
L1722286-23	OCD-2A
L1722286-24	OCD-3
L1722286-25	OCD-4
L1722286-26	MW-11A
L1722286-27	OCD-5
L1722286-28	MW-52
L1722286-29	MW-109
L1722286-30	MW-110
L1722286-31	MW-140
L1722286-32	MW-141
L1722286-33	TRIP BLANK-EP-03
L1722286-34	MW-113
L1722286-35	MW-134
L1722286-36	RA-4196R
L1722286-37	RA-313
L1722286-38	MW-20
L1722286-39	NP-1
L1722286-40	MW-8
L1722286-41	MW-21
L1722286-42	MW-71
L1722286-43	MW-68
L1722286-44	MW-115
L1722286-45	MW-114

Lab ID	Sample ID
L1722286-46	MW-125
L1722286-47	DUP-REST-01[2]
L1722286-48	EB-REST-01
L1722286-49	DUP-REST-03[3]
L1722286-50	EB-REST-03
L1722286-51	TRIP BLANK-REST-01
L1722286-52	TRIP BLANK-TMD-01
L1722286-53	MW-117
L1722286-54	KWB-2R
L1722286-55	MW-103
L1722286-56	MW-104
L1722286-57	MW-64
L1722286-58	MW-65
L1722286-59	RW-4
L1722286-60	MW-116
L1722286-61	MW-46R
L1722286-62	TRIP BLANK-REST-03
L1722286-63	TEL-4
L1722286-64	MW-98
L1722286-65	RW-9
L1722286-66	MW-29
L1722286-67	MW-56
L1722286-68	MW-49
L1722286-69	MW-45
L1722286-70	DUP-TEL-01[4]
L1722286-71	EB-TEL-01
L1722286-72	TRIP BLANK-TEL-01
L1722286-73	MW-139
L1722286-74	MW-50
L1722286-75	MW-108
L1722286-76	MW-55
L1722286-77	MW-54A
L1722286-78	NCL-49
L1722286-79	MW-53R
L1722286-80	DUP-NCL-01[5]
L1722286-81	EB-NCL-01
L1722286-82	TRIP BLANK-NCL-01

[1]Field duplicate of MW-7A
[2]Field duplicate of MW-113
[3]Field duplicate of MW-134
[4]Field duplicate of TEL-4
[5]Field duplicate of NCL-49

Items	Yes	No	Not applicable
Did all samples meet the laboratory's standard conditions of sample acceptability upon receipt?		X	
All samples within holding times?		X	
Any detection in method blanks?	X		
Any detection in equipment blanks?	X		

Items	Yes	No	Not applicable
Any detection in trip blanks?	X		
Any LCS/LCSD %R out of laboratory defined limits?	X		
Any LCS/LCSD RPD above laboratory defined limits?	X		
Any MS/MSD %R outside of laboratory defined limits?	X		
Any MS/MSD RPD above laboratory defined limits?		X	
Any surrogate %R outside of laboratory defined limits?	X		
Any laboratory duplicate RPD above laboratory defined limits?	X		
Any field duplicate data additionally flagged as estimated?	X		
Any analyte analyzed by a nonequivalent method than planned?		X	

Other

RLs for dissolved solids in all samples except the seven equipment blanks (EB-EP-01, EB-REST-01, EB-REST-03, EB-EP-04, EB-EP-03, EB-TEL-01, and EB-NCL-01) were two to 40 times higher than the associated method blank but the laboratory did not include a sample narrative explaining the elevated RLs. The samples were likely prepared at a reduced volume due to the elevated concentrations of dissolved solids and/or other matrix interferences. With the exception of sample MW-8, there is no impact on data usability since dissolved solids results were detected above the RLs in the affected samples. The nondetect RL for dissolved solids was elevated in sample MW-8.

The laboratory noted that the TPH (GC/FID) low fraction analyses of samples MW-4A, MW-10, and MW-73 were diluted 20-fold, and the VOC analysis of sample MW-84 was diluted 10-fold due to sample foaming. TPH (GC/FID) low fraction was detected in sample MW-4A and was therefore not adversely impacted by the elevated RLs. However, the nondetect RLs for TPH (GC/FID) low fraction in samples MW-10 and MW-73, and all VOCs in sample MW-84 were elevated accordingly.

The laboratory noted that the nitrate, nitrite, chloride, fluoride, and sulfate analyses of samples DUP-REST-03, DUP-NCL-01, MW-7A, MW-8, MW-10, MW-11A, MW-20, MW-21, MW-71, MW-79, MW-80, MW-82, MW-84, MW-103, MW-115, MW-116, MW-123, MW-125, MW-134, MW-139, MW-140, NCL-49, OCD-1R, OCD-2A, OCD-4, OCD-5, OCD-8A, RA-313, and RA-4196R, the sulfate analyses of samples MW-108, MW-114, and TEL-4, and the nitrate, nitrite, chloride, and sulfate analysis of samples MW-4A, MW-68, and MW-73 were diluted due to matrix and/or high concentrations of target analytes. There is no impact on data usability for these analytes since these analytes were detected above the MDLs and/or RL in these samples with the exception of nitrate and/or nitrate in several samples listed above. The nondetect RLs for fluoride in samples MW-123, OCD-5, and NCL-49, chloride in sample MW-11A, and nitrate and/or nitrite in several of these samples were elevated accordingly.

Several other samples were analyzed at dilutions for nitrate, nitrite, cyanide, chloride, sulfate, fluoride, total sodium, total and/or dissolved 6020 metals, dissolved mercury, MTBE, VOCs, TPH (GC/FID) high fraction, and/or TPH (GC/FID) low fraction but the laboratory did not include a sample narrative explaining the dilutions. The samples were likely diluted either due to matrix interference and/or the presence of target and/or non-target analytes which would have

exceeded the calibration range if undiluted. There is no impact on data usability for chloride, fluoride, sulfate, total sodium, TPH (GC/FID) high fraction, and/or TPH (GC/FID) low fraction since these analytes were detected above the MDLs and/or RLs in the diluted samples. The nondetect RLs for cyanide in sample MW-71, dissolved mercury in sample MW-52, select total and/or dissolved 6020 metals in samples MW-5A, MW-11A, MW-73, MW-84, OCD-4, OCD-5, and OCD-8A, nitrite in samples MW-5A, DUP-EP-01, OCD-3, MW-45, MW-54A, MW-74, MW-141, RW-9, and NP-1, nitrate in samples DUP-EP-01, OCD-3, and MW-54A, and several VOCs in samples MW-49, MW-55, MW-64, MW-65, MW-98, MW-103, MW-109, MW-113, NP-1, RW-9, and RW-19 were elevated accordingly.

The results for total and dissolved chromium in sample MW-109 may be considered estimated since the total result was nondetect, the dissolved result was >5x the RL, and the absolute difference between the total and dissolved results was above 2x the RL.

The results for total and dissolved arsenic in sample MW-110, total and dissolved manganese in samples MW-11A, MW-50, MW-52, MW-79, MW-109, MW-110, MW-113, OCD-1R, OCD-2A, OCD-3, OCD-4, and OCD-5, total and dissolved iron in samples MW-110 and OCD-1R, total and dissolved barium in samples MW-11A, MW-20, MW-52, MW-68, MW-113, and MW-134, total and dissolved vanadium in sample MW-140, total and dissolved nickel and vanadium in sample MW-52, and total and dissolved uranium in samples MW-52, MW-71, MW-134, MW-140, and MW-141 may be considered estimated since the dissolved result exceeded the total result by greater than 20% and both results were greater than 5x the RL. Data usability was not affected when one or both results were < 5x the RL and the absolute differences between the total and dissolved results were < 2x the RL; therefore these scenarios are not summarized.

The laboratory flagged the results for dissolved arsenic and dissolved iron in sample OCD-8A with an “O1” qualifier indicating that either a SD or PDS result was outside of the acceptance criteria. The laboratory was contacted during this review and specified that the SD performed on this sample was outside of the acceptance criteria (10%D) for dissolved arsenic (10.6 %D) and dissolved iron (11.1 %D). Thus, potential uncertainty exists for the dissolved arsenic and dissolved iron results in sample OCD-8A; this uncertainty may extend to other positive results for dissolved arsenic and dissolved iron in samples collected during the April 2024 sampling event.

Standard Conditions

The laboratory noted that the TPH (GC/FID) high fraction analysis of sample MW-65 was performed using a container with a pH outside of the method requirement (≤2). This pH issue shortens the extraction holding time to seven days and this sample was extracted for TPH (GC/FID) high fraction after seven days of collection. Therefore, the positive result for TPH (GC/FID) high fraction in sample MW-65 may be biased low.

Holding Times

Samples DUP-REST-01, EB-NCL-01, MW-45, MW-54A, MW-64, MW-84, MW-110, MW-115, MW-116, MW-140, MW-141, NP-1, RA-313 and RW-9 were analyzed for nitrate and nitrite after the 48-hour holding time but less than 96 hours after collection. Therefore, potential low bias exists for the nondetect results for nitrate and nitrite in these samples.

Samples MW-82 (re-analysis) and MW-55 (re-analysis) were analyzed for nitrate more than 96 hours after collection (i.e., a significant hold time exceedance; more than 2x the method holding time of 48-hours after collection). However, the laboratory reported two sets of results for nitrate in both of these samples due to an unspecified QC failure associated with the initial analysis. The samples were re-analyzed for nitrate outside of the holding time as stated above. In order to remain conservative, the higher result for nitrate from the initial analysis of sample MW-82 and the re-analysis of sample MW-55 should be used for project objectives. Although these are the higher results, potential low bias still exists for the positive results for nitrate in samples MW-82 (re-analysis) and MW-55 (re-analysis) due to the holding time exceedances.

Samples EB-REST-03, KWB-2R, MW-73, MW-74, MW-113, MW-114, MW-117, and RA-4196R were analyzed for dissolved solids after the 7-day holding time but less than or on the 14th day after collection. Therefore, potential low bias exists for the positive and nondetect results for dissolved in these samples.

Laboratory Method Blanks

The following analytes were detected in the method blanks: sulfate, nitrate, nitrite, chloride, fluoride, carbon disulfide, 1,4-dioxane, and TPH (GC/FID) high fraction. The analytes listed below were detected in the corresponding samples at concentrations within five times the method blank concentration for inorganic analytes and within 10 times the method blank concentration for organic analytes. Therefore, these samples may include measurement contributions from the laboratory.

- Nitrate: EB-TEL-01, MW-4A, MW-73, MW-104, MW-123, OCD-4
- Nitrite: KWB-2R, MW-4A, MW-52, MW-53R, MW-73, MW-117, MW-123, OCD-4
- Chloride: EB-EP-01, EB-NCL-01
- Fluoride: MW-4A, MW-68
- Carbon disulfide: DUP-TEL-01, EB-TEL-01, MW-29, MW-45, MW-46R, MW-49, MW-50, MW-55, MW-56, MW-98, MW-108, MW-116, MW-139, RW-9, TEL-4, TRIP BLANK-TEL-01
- 1,4-Dioxane: RA-4196R
- TPH (GC/FID) high fraction: EB-EP-01, EB-EP-03, EB-EP-04, MW-11A, MW-46R, OCD-1R, OCD-2A, OCD-3, OCD-4

Equipment Blanks

The following table summarizes the analytes were detected in the equipment blank samples and the associated samples based on the location at the site. The analytes listed in the table below were detected in the corresponding samples at concentrations within five times the maximum equipment blank concentration for inorganic analytes and within 10 times the maximum equipment blank concentration for organic analytes, where applicable. Therefore, the analytes for the impacted samples listed in the table below may include measurement contributions from the field.

Blank ID(s)	Analyte	Impacted Sample Results*
EB-EP-01	Dissolved Solids	None
EB-EP-01, EB-EP-03, EB-EP-04	Total Calcium	
	Chloride (EB-EP-01**)	
	Chloroform	
	TPH (GC/FID) high fraction**	
EB-EP-01, EB-EP-03, EB-EP-04	Fluoride	DUP-EP-01, MW-4A***, MW-5A, MW-7A, MW-10, MW-11A, MW-80, OCD-1R, OCD-2A, OCD-3, OCD-4, OCD-8A
	Nitrate	MW-4A***, MW-11A, MW-73***, MW-79, MW-80, MW-82 (reanalysis), MW-123***, OCD-2A, OCD-4***
EB-EP-01, EB-EP-04	Dissolved manganese	None
	Sulfate	
EB-EP-03	Dissolved iron	MW-10, MW-11A, MW-74, MW-82, MW-84, MW-123
	Total manganese	None
EB-EP-04	Nitrite	MW-4A***, MW-73***, MW-81, MW-123***, OCD-4***
Associated samples (EP Area of the site from this report): DUP-EP-01, MW-4A, MW-10, MW-11A, MW-5A, MW-7A, MW-73, MW-74, MW-79, MW-80, MW-81, MW-82, MW-84, MW-123, OCD-1R, OCD-2A, OCD-3, OCD-4, OCD-5, OCD-8A		
EB-TEL-01	Total calcium	None
	Carbon disulfide**	
	Chloroform	
	Nitrate**	
	TPH (GC/FID) low fraction	
	TPH (GC/FID) high fraction	DUP-TEL-01
Associated samples (TEL Area of the site from this report): MW-49, TEL-4, DUP-TEL-01		
EB-NCL-01	Chloride**	None
	Chloroform	
	Nitrate	
	Nitrite	MW-108, MW-53R***
	TPH (GC/FID) high fraction	DUP-NCL-01, MW-53R, MW-56, NCL-49
Associated samples (NCL Area of the site from this report): DUP-NCL-01, MW-45, MW-53R, MW-54A, MW-55, MW-56, MW-108, NCL-49		
EB-REST-01, EB-REST-03	Chloride	None
	Chloroform	MW-65, MW-109, MW-110
	Nitrate	MW-65, MW-104***, MW-109, MW-110, MW-134, RA-4196R
EB-REST-01	Total barium	None
	Total calcium	
	Total sodium	
	Carbon tetrachloride	
	Dissolved barium	MW-71, MW-116
	Dissolved solids	All associated samples
	Total potassium	DUP-REST-01, KWB-2R, MW-20, MW-46R, MW-52, MW-64, MW-65, MW-98, MW-103, MW-110, MW-113, MW-115, MW-130, MW-139, RW-19
	TPH (GC/FID) High Fraction	DUP-REST-01, DUP-REST-03, MW-8, MW-21, MW-46R***, MW-113, MW-114, MW-116, MW-117, MW-125, MW-134
EB-REST-03	Total boron	MW-114, MW-116, MW-141
	Dissolved boron	MW-114, MW-116, MW-117, MW-125, MW-141

Blank ID(s)	Analyte	Impacted Sample Results*
Associated samples (the remaining Areas of the site from this report. i.e., REST and TMD): **TMD:** MW-8, MW-20, MW-21, MW-46R, MW-68, MW-71, NP-1 **REST:** DUP-REST-01, DUP-REST-03, KWB-2R, MW-29, MW-50, MW-52, MW-64, MW-65, MW-98, MW-103, MW-104, MW-109, MW-110, MW-113, MW-114, MW-115, MW-116, MW-117, MW-125, MW-130, MW-134, MW-139, MW-140, MW-141, RA-313, RA-4196R, RW-4, RW-9, RW-19		
*Impacted sample results are those that were detected at concentrations within five times the maximum associated equipment blank concentration for inorganic analytes and within 10 times the maximum associated equipment blank concentration for organic analytes.		

**Note that these asterisked results in the equipment blank samples noted in the table above were less than 10 times the concentration detected in the associated method blank for organic analytes and less than five times the concentration detected in the associated method blank for inorganic analytes; therefore, the results for the asterisked results in the equipment blank samples noted in the table above were probably the result of laboratory method blank contamination and did not affect any associated field samples.

***Note that these asterisked results in the samples noted in the table above were also less than 10 times the concentration detected in the associated method blank.

Trip Blanks

Carbon disulfide was detected in one of the trip blank samples, TRIP BLANK-TEL-01. Note that the result for carbon disulfide in this trip blank sample was less than 10 times the concentration detected in the associated method blank; therefore, this result was probably the result of laboratory method blank contamination and did not affect any associated field samples.

LCS/LCSD

The LCS %R for dissolved uranium (79.7%) was below the laboratory-defined recovery limits (80-120%) in QC batch WG2261159. Therefore, potential low bias exists for the positive results for dissolved uranium in the samples from this QC batch, OCD-8A, MW-52, MW-134, MW-140, and MW-141.

The LCS %R for trichloroethene (125%) was above the laboratory-defined recovery limits (78.0-124%) in QC batch WG2261956. There was no impact on the data usability due to this issue since trichloroethene was not detected in the samples from this QC batch, EB-EP-01, EB-EP-04, MW-10, MW-123, MW-130, MW-4A, MW-5A, MW-73, MW-74, MW-79, MW-80, MW-81, MW-82, MW-84, RW-19, and TRIP BLANK-EP-01.

The LCS %Rs for 1,2-dichloroethane (131%) and 1,1,1-trichloroethane (128%) were above the laboratory-defined recovery limits (70.0-128% and 73.0-124%, respectively) in QC batch WG2261980. Therefore, the positive results for 1,2-dichloroethane in samples associated with this batch, MW-8, MW-21, and MW-71, may be biased high. There was no impact on the data usability due to this issue for nondetect results for 1,2-dichloroethane and 1,1,1-trichloroethane in the samples from this QC batch, DUP-REST-03, EB-REST-01, EB-REST-03, MW-8, MW-21, MW-64, MW-65, MW-68, MW-71, MW-103, MW-104, MW-114, MW-115, MW-117, MW-125, NP-1,TRIP BLANK-REST-01, and TRIP BLANK-TMD-01.

The LCS %R for naphthalene (40.8%) was below the laboratory-defined recovery limits (54.0-135%) in QC batch WG2262010. Therefore, potential low bias exists for the positive and

nondetect results for naphthalene in the samples from this QC batch, DUP-TEL-01, EB-TEL-01, MW-29, MW-45, MW-46R, MW-49, MW-50, MW-55, MW-56, MW-98, MW-108, MW-116, MW-139, RW-4, RW-9, TEL-4, TRIP BLANK-REST-03, and TRIP BLANK-TEL-01.

The LCS/LCSD %Rs for bromodichloromethane (122%/121%), the LCS %R for carbon tetrachloride (127%), and the LCS/LCSD RPD for tert-butyl alcohol (35.6%) were outside of the laboratory-defined limits (75.0-120%, 68.0-126%, and 30%, respectively) in QC batch WG2262853. However, since bromodichloromethane, carbon tetrachloride, and tert-butyl alcohol were either not reported from this QC batch or not detected in the samples from this QC batch, MW-8, DUP-REST-01 and KWB-2R, there is no impact on data usability.

The LCS/LCSD RPD for TPH (GC/FID) high fraction (58.9%) was outside of the laboratory-defined recovery limit (20%) in QC batch WG2263376. Therefore, potential uncertainty exists for the positive results for TPH (GC/FID) high fraction in the samples from this QC batch, DUP-EP-01, EB-EP-01, EB-EP-03, EB-EP-04, MW-10, MW-11A, MW-4A, MW-5A, MW-7A, MW-123, OCD-1R, OCD-2A, OCD-3, OCD-4, and OCD-8A.

The LCS/LCSD RPD for TPH (GC/FID) high fraction (46.8%) was outside of the laboratory-defined recovery limit (20%) in QC batch WG2268082. Therefore, potential uncertainty exists for the positive result for TPH (GC/FID) high fraction in the sample from this QC batch, MW-46R.

MS/MSD

MS and/or MS/MSD analyses were performed on the following samples:

- OCD-8A: Cyanide
- EB-REST-03, MW-110: Chloride, fluoride, sulfate, nitrate, nitrite
- MW-56: Fluoride
- MW-115: Dissolved mercury
- MW-52: Dissolved boron
- MW-50, MW-64, OCD-8A: Dissolved metals
- EB-REST-01, MW-21, MW-56, MW-74: Total metals
- MW-110: TPH (GC/FID) low fraction

The %Rs of cyanide in the MS/MSD performed on sample OCD-8A (83.6%/89.7%) were outside of the laboratory-defined recovery limits (90-110%); therefore, the positive and nondetect results for cyanide in groundwater samples in this report, MW-45, MW-49, MW-52, MW-55, MW-71, and OCD-8A, may be potentially biased low.

The %R of sulfate in the MS performed on sample MW-110 was below the laboratory-defined recovery limits (80-120%). However, the concentration of sulfate in the unspiked sample was greater than four times the spiked concentration; thus, the %R of sulfate was not used to evaluate potential matrix effects.

The %R of nitrate in the MS performed on sample MW-110 (142%) was above the laboratory-defined recovery limits (80-120%); therefore, the positive results for nitrate in all groundwater samples in this report, where reported, may be potentially biased high.

The %Rs of dissolved mercury in the MS/MSD performed on sample MW-115 (47.7%/50.0%) were outside of the laboratory-defined recovery limits (75-125%). The laboratory also flagged the result for dissolved mercury in this sample with an "O1" qualifier indicating that either SD or PDS results were outside of the acceptance criteria. The laboratory was contacted during this review and specified that the %R in the PDS analysis performed on this sample for dissolved mercury (65.7%) was outside of the acceptance criteria (80-120%). Therefore, the nondetect results for dissolved mercury in all groundwater samples in this report, where reported, may be potentially biased low.

The %R of dissolved barium in the MSD performed on sample OCD-8A (126%) was above the laboratory-defined recovery limits (75-125%); therefore, the positive results for dissolved barium in all groundwater samples in this report except samples MW-50 and MW-64 may be potentially biased high.

The %R of dissolved chromium in the MS performed on sample OCD-8A (67.8%) was below the laboratory-defined recovery limits (75-125%); therefore, the positive results for dissolved chromium in all groundwater samples in this report except samples MW-50 and MW-64 may be potentially biased low.

The %Rs of dissolved manganese in the MSD performed on samples MW-50 and OCD-8A were above the laboratory-defined recovery limits (75-125%). However, the concentrations of dissolved manganese in the unspiked samples were greater than four times the spiked concentrations; thus, the %Rs of dissolved manganese were not used to evaluate potential matrix effects.

The %R of dissolved barium in the MSD performed on sample MW-64 was outside of the laboratory-defined recovery limits (75-125%). However, the concentration of dissolved barium in the unspiked sample was greater than four times the spiked concentration; thus, the %R of dissolved barium was not used to evaluate potential matrix effects.

The %Rs of total manganese and total sodium in the MS and/or MSD performed on sample MW-74 were outside of the laboratory-defined recovery limits (75-125%). However, the concentrations of these analytes in the unspiked sample were greater than four times the spiked concentrations; thus, the %Rs of total manganese and total sodium were not used to evaluate potential matrix effects.

The %Rs of total calcium and total sodium in the MS and/or MSD performed on samples MW-21 and MW-56 were outside of the laboratory-defined recovery limits (75-125%). However, the concentrations of these analytes in the unspiked samples were greater than four times the spiked concentrations; thus, the %Rs of total calcium and total sodium were not used to evaluate potential matrix effects.

Surrogate Recoveries

The surrogate (o-terphenyl) recovered below the laboratory-defined control limits (52.0-156%) in the TPH (GC/FID) high fraction analysis of sample KWB-2R (33.5%). Therefore, the positive result for TPH (GC/FID) high fraction in sample KWB-2R may be biased low.

The surrogate (o-terphenyl) recovered below the laboratory-defined control limits (52.0-156%) in the TPH (GC/FID) high fraction analysis of sample MW-84 (0%). There was no impact on the data usability due to this issue since the sample was diluted ≥10-fold; therefore, the surrogate recovery was not applicable.

The surrogate (toluene-d8) recovered above the laboratory-defined control limits (80-120%) in the VOC analysis of sample TRIP BLANK-EP-01 (123%). There was no impact on the data usability due to this issue since no VOCs were detected in this sample.

The surrogate (1,2-dichloroethane-d4) recovered above the laboratory-defined control limits (70-130%) in the VOC analyses of samples TRIP BLANK-REST-01 (132%), TRIP BLANK-TMD-01 (131%), EB-REST-01 (133%), DUP-REST-03 (131%), MW-21 (133%), MW-64 (132%), MW-68 (136%), MW-71 (140%), MW-104 (131%), MW-114 (141%), MW-115 (133%), and MW-117 (137%). Therefore, the positive VOC results in samples EB-REST-01, MW-21, MW-64, MW-71, MW-104, MW-114, MW-115, and MW-117 may be biased high. There is no impact on data usability for nondetect results due t this issue.

Laboratory Duplicates

Laboratory duplicate analyses were performed on the following samples:

- MW-52, MW-64, MW-98, MW-134, RA-4196R, RW-9: Dissolved solids
- MW-49: Cyanide
- EB-REST-03: Chloride, fluoride, sulfate, nitrate, nitrite
- MW-56: Fluoride

The RPD for dissolved solids in the duplicate analysis performed on sample MW-134 (10.3%) exceeded the laboratory-defined control limit (10%). However, there was no impact on the data usability since the RPDs were within the acceptance criteria used in this evaluation (20%).

The RPD for cyanide in the duplicate analysis performed on sample MW-49 exceeded the laboratory-defined control limit (20%). However, the results in the parent and duplicate samples were less than 5x the RL so the laboratory duplicate RPD was not applicable.

Field Duplicates

Samples MW-7A/DUP-EP-01, MW-113/DUP-REST-01, MW-134/DUP-REST-03, TEL-4/DUP-TEL-01, and NCL-49/DUP-NCL-01 were submitted as the field duplicate pairs. All criteria were met except as noted below:

- The result for nitrate was nondetect in sample MW-113 and was >5x the RL in sample DUP-REST-01 and the absolute difference was greater than the RL. Further, the RPD for dissolved solids (56.9%) was above the acceptance criteria (30%) in this field duplicate pair. Therefore, the positive and nondetect results for nitrate and dissolved solids in samples MW-113 and DUP-REST-01 may be considered estimated.

    - It should be noted that the parent and duplicate sample had varying RLs for several analytes in this field duplicate pair due to different dilution factors analyzed by the

laboratory. The parent sample RLs were used in evaluation of the field duplicate results.

- The results for total arsenic and total iron were <5x the RL in sample MW-134 and were > 5x the RL in sample DUP-REST-03 and the absolute differences were greater than the RLs. Therefore, the positive results for total arsenic and total iron in samples MW-134 and DUP-REST-03 may be considered estimated.

- The result for total iron was <5x the RL in sample TEL-4 and was >5x the RL in sample DUP-TEL-01 and the absolute difference was greater than the RL. Further, the RPD for TPH (GC/FID) high fraction (43.2%) was above the acceptance criteria (30%) in this field duplicate pair. Therefore, the positive results for total iron and TPH (GC/FID) high fraction in samples TEL-4 and DUP-TEL-01 may be considered estimated.

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Sample identifiers cross-referenced to laboratory identifications are presented below.

Lab ID	Sample ID
L1784264-01	MW-76
L1784264-02	MW-75
L1784264-03	MW-83
L1784264-04	MW-3
L1784264-05	MW-88
L1784264-06	MW-4A
L1784264-07	MW-5A
L1784264-08	MW-7A
L1784264-09	OCD-8A
L1784264-10	DUP-EP-01[1]
L1784264-11	DUP-EP-03[2]
L1784264-12	EB-EP-03
L1784264-13	TRIP BLANK-EP-02
L1784264-14	OCD-1R
L1784264-15	OCD-2A
L1784264-16	OCD-3
L1784264-17	OCD-4
L1784264-18	MW-11A
L1784264-19	OCD-5
L1784264-20	MW-87
L1784264-21	MW-18A
L1784264-22	MW-70
L1784264-23	MW-124
L1784264-24	EB-EP-02
L1784264-25	TRIP BLANK-EP-03
L1784264-26	RA-4196R
L1784264-27	KWB-7
L1784264-28	KWB-11A
L1784264-29	KWB-11B
L1784264-30	MW-115
L1784264-31	MW-114
L1784264-32	MW-125
L1784264-33	MW-117
L1784264-34	MW-118
L1784264-35	MW-119
L1784264-36	MW-136
L1784264-37	MW-126B
L1784264-38	MW-161
L1784264-39	MW-162
L1784264-40	KWB-12A
L1784264-41	MW-149
L1784264-42	MW-150
L1784264-43	MW-142
L1784264-44	MW-143
L1784264-45	MW-163

Lab ID	Sample ID
L1784264-46	MW-144
L1784264-47	MW-145
L1784264-48	MW-146
L1784264-49	MW-135
L1784264-50	MW-147
L1784264-51	MW-148
L1784264-52	DUP-REST-04[3]
L1784264-53	EB-REST-04
L1784264-54	MW-101
L1784264-55	MW-105
L1784264-56	MW-61
L1784264-57	TEL-4
L1784264-58	MW-98
L1784264-59	MW-56
L1784264-60	MW-49
L1784264-61	MW-45
L1784264-62	DUP-TEL-01[4]
L1784264-63	EB-TEL-01
L1784264-64	TRIP BLANK-REST-04
L1784264-65	TRIP BLANK-TEL-01
L1784264-66	MW-139
L1784264-67	MW-50
L1784264-68	MW-90
L1784264-69	MW-96
L1784264-70	NCL-33
L1784264-71	MW-108
L1784264-72	NCL-31
L1784264-73	MW-55
L1784264-74	MW-54A
L1784264-75	NCL-49
L1784264-76	DUP-NCL-01[5]
L1784264-77	EB-NCL-01
L1784264-78	TRIP BLANK-NCL-01
L1784264-79	MW-120
L1784264-80	MW-121
L1784264-81	MW-84
L1784264-82	MW-122
L1784264-83	MW-79
L1784264-84	MW-74
L1784264-85	MW-2A
L1784264-86	OCD-6
L1784264-87	OCD-7AR
L1784264-88	EB-EP-01
L1784264-89	EB-EP-04
L1784264-90	TRIP BLANK-EP-01
L1784264-91	MW-113
L1784264-92	MW-134
L1784264-93	NP-1
L1784264-94	DUP-REST-01[6]

Lab ID	Sample ID
L1784264-95	EB-REST-01
L1784264-96	EB-REST-03
L1784264-97	MW-104
L1784264-98	MW-64
L1784264-99	MW-102
L1784264-100	MW-116
L1784264-101	MW-46R
L1784264-102	DUP-REST-02[7]
L1784264-103	EB-REST-02
L1784264-104	TRIP BLANK-REST-03
L1784264-105	TRIP BLANK-REST-01
L1784264-106	MW-22A
L1784264-107	MW-10
L1784264-108	MW-123
L1784264-109	DUP-EP-02[8]
L1784264-110	MW-141
L1784264-111	MW-21
L1784264-112	MW-151
L1784264-113	MW-152
L1784264-114	MW-153
L1784264-115	MW-154
L1784264-116	MW-155
L1784264-117	MW-156
L1784264-118	DUP-REST-03[9]
L1784264-119	TRIP BLANK-TMD-01
L1784264-120	MW-160
L1784264-121	KWB-1A
L1784264-122	KWB-12B
L1784264-123	DUP-REST-05[10]
L1784264-124	EB-REST-05
L1784264-125	TRIP BLANK-REST-02
L1784264-126	MW-106
L1784264-127	MW-157
L1784264-128	MW-158
L1784264-129	MW-159
L1784264-130	MW-130
L1784264-131	MW-52
L1784264-132	MW-109
L1784264-133	MW-110
L1784264-134	MW-140
L1784264-135	NCL-44
L1784264-136	NCL-32

[1]Field duplicate of MW-7A
[2]Field duplicate of MW-3
[3]Field duplicate of MW-146
[4]Field duplicate of TEL-4
[5]Field duplicate of NCL-49
[6]Field duplicate of MW-113
[7]Field duplicate of MW-102
[8]Field duplicate of MW-22A
[9]Field duplicate of MW-134
[10]Field duplicate of KWB-12B

Items	Yes	No	Not applicable
Did all samples meet the laboratory's standard conditions of sample acceptability upon receipt?		X	
All samples within holding times?		X	
Any detection in method blanks?	X		
Any detection in equipment blanks?	X		
Any detection in trip blanks?	X		
Any LCS/LCSD %R out of laboratory defined limits?	X		
Any LCS/LCSD RPD above laboratory defined limits?	X		
Any MS/MSD %R outside of laboratory defined limits?	X		
Any MS/MSD RPD above laboratory defined limits?		X	
Any surrogate %R outside of laboratory defined limits?	X		
Any laboratory duplicate RPD above laboratory defined limits?	X		
Any field duplicate data additionally flagged as estimated?	X		
Any analyte analyzed by a nonequivalent method than planned?		X	

Other

RLs for dissolved solids in all samples in this data set except all of the equipment blanks (EB-EP-01, EB-EP-02, EB-EP-03, EB-EP-04, EB-NCL-01, EB-REST-01, EB-REST-02, EB-REST-03, EB-REST-04, EB-REST-05, and EB-TEL-01) were 2 to 40 times higher than the associated method blank but the laboratory did not include a sample narrative explaining the elevated RLs. The samples were likely prepared at a reduced volume due to the elevated concentrations of dissolved solids. There is no impact on data usability since dissolved solids results were detected above the RLs in the affected samples.

The laboratory noted that the TPH (GC/FID) low fraction analysis of sample MW-10 was diluted 20-fold due to foaming. There is no impact on data usability since TPH (GC/FID) low fraction was detected in this sample.

The laboratory noted that the nitrate, nitrite, chloride, fluoride, and sulfate analyses of samples DUP-EP-02, DUP-REST-03, DUP-REST-05, KWB-1A, KWB-12A, KWB-12B, MW-2A, MW-3, MW-5A, MW-11A, MW-18A, MW-21, MW-22A, MW-74, MW-75, MW-76, MW-79, MW-83, MW-84, MW-116, MW-117, MW-118, MW-119, MW-120, MW-121, MW-122, MW-123, MW-124, MW-126B, MW-135, MW-136, MW-141, MW-142, MW-143, MW-144, MW-149, MW-150, MW-162, MW-163, OCD-5, OCD-6, OCD-7AR, and OCD-8A, the sulfate analyses of samples MW-106 and MW-130, the chloride, fluoride and sulfate analyses of samples DUP-REST-04 and MW-134, and the cyanide analyses of samples DUP-REST-05 and KWB-12B were diluted due to matrix. There is no impact on data usability for these analytes since these analytes were detected above the MDLs and/or RL in these samples with the exception of fluoride in samples DUP-REST-05 and KWB-12B, and nitrate and/or nitrate in several samples listed above; the nondetect RLs for fluoride, nitrate and/or nitrite in these samples were elevated accordingly.

Several other samples were analyzed at dilutions for total sodium, cyanide, chloride, fluoride, sulfate, nitrate, nitrite, 6020 total metals, VOCs, MTBE, benzene, TPH (GC/FID) high

fraction, and/or TPH (GC/FID) low fraction but the laboratory did not include a sample narrative explaining the dilutions. The samples were likely diluted either due to matrix interference and/or the presence of target and/or non-target analytes which would have exceeded the calibration range if undiluted. There is no impact on data usability for total sodium, chloride, fluoride, sulfate, TPH (GC/FID) high fraction, and/or TPH (GC/FID) low fraction since these analytes were detected above the MDLs and/or RLs in the diluted samples. The nondetect RLs for cyanide in samples KWB-12A and MW-49, select total metals in samples MW-18A and MW-124, nitrate and nitrite in samples MW-10, MW-46R, MW-98, MW-104, and MW-105, nitrite in samples MW-140, NCL-32, and TEL-4, all VOCs except MTBE in samples MW-55 and MW-96, and select VOCs in samples DUP-REST-01, DUP-REST-02, MW-49, MW-61, MW-64, MW-98, MW-102, MW-105, MW-106, MW-113, and NP-1 were elevated accordingly.

The laboratory flagged the results for total iron in sample MW-149, and total barium and total manganese in sample MW-123 with an "O1" qualifier indicating that either a SD or PDS result was outside of the acceptance criteria. The laboratory was contacted during this review and specified that the SDs performed on sample MW-149 for total iron (11.1 %D), and sample MW-123 for total barium (11.8 %D) and total manganese (11.2 %D) were outside of the acceptance criteria (10 %D). Thus, potential uncertainty exists for the total iron result in sample MW-149, and total barium and total manganese results in sample MW-123; this uncertainty may extend to other positive results for total iron, total barium, and total manganese in samples collected during the October 2024 sampling event.

Standard Conditions

The laboratory noted that the TPH (GC/FID) high fraction analyses of samples DUP-EP-02, DUP-EP-03, DUP-TEL-01, KWB-7, KWB-12A, MW-2A, MW-5A, MW-10, MW-18A, MW-21, MW-22A, MW-45, MW-49, MW-50, MW-61, MW-64, MW-74, MW-75, MW-83, MW-84, MW-90, MW-96, MW-98, MW-102, MW-108, MW-115, MW-117, MW-119, MW-123, MW-139, MW-149, MW-151, MW-152, MW-153, MW-154, NCL-33, OCD-7AR, OCD-8A, DUP-REST-01, and DUP-REST-02 were performed using a container with a pH outside of the method requirement (≤2). This pH issue shortens the extraction holding time to seven days and these samples were extracted for TPH (GC/FID) high fraction after seven days but ≤14 days of collection. Therefore, the positive results for TPH (GC/FID) high fraction in the listed samples may be biased low.

The laboratory noted that the TPH (GC/FID) low fraction analysis of sample MW-22A was performed using a container with a pH outside of the method requirement (≤2). This pH issue shortens the holding time to seven days and this sample was analyzed for TPH (GC/FID) low fraction after seven days but ≤14 days of collection. Therefore, the positive result for TPH (GC/FID) low fraction in sample MW-22A may be biased low.

The laboratory noted that the VOC analyses of samples DUP-REST-02, MW-109, MW-113, MW-64, and MW-102 were performed using a container with a pH outside of the method requirement (≤2). This pH issue shortens the holding time to seven days and these samples were analyzed for VOCs after seven days but ≤14 days of collection. Therefore, the positive and nondetect results for VOCs in the listed samples may be biased low.

The laboratory noted that the TPH (GC/FID) low fraction analysis of sample MW-4A, and the VOC analyses of samples TRIP BLANK-NCL-01 and TRIP BLANK-EP-01 were performed using a container with headspace. Therefore, the positive and nondetect results for TPH (GC/FID) low fraction in sample MW-4A, and VOCs in samples TRIP BLANK-NCL-01 and TRIP BLANK-EP-01 may be biased low.

The laboratory noted that one of the vials for TPH (GC/FID) high fraction and one of the vials for VOCs were broken upon arrival for sample EB-NCL-01; there is no impact on the data usability due to this issue since sufficient sample volume was available for these analyses.

The laboratory noted select sample ID and/or collection time discrepancies for several samples and that the COC was missing for select samples. Sample times and IDs were logged in according to the project team's instructions and per additional COCs that were provided after the original submittal.

The laboratory only completed the Sample Receipt Checklist for this SDG on select pages of the COC; there is no impact on the data usability due to this COC error since no issues were noted in the case narrative other than those previously discussed above.

Holding Times

Samples EB-REST-02*, MW-109, MW-110, MW-140, MW-52, NCL-32, and NCL-44 were analyzed >2 days outside of the 48 hour holding time for nitrate and nitrite (i.e., >96 hours after collection). The positive results for nitrate in samples MW-109, MW-140, MW-52, and NCL-32 may be biased low due to the holding time exceedance. **The nondetect results for nitrate in samples EB-REST-02* (re-analysis), MW-110, and NCL-44, and nitrite in samples EB-REST-02 (re-analysis), MW-52, MW-109, MW-110, MW-140, NCL-32, and NCL-44 are not usable for project objectives due to the significant (i.e., >2x the holding time) holding time exceedance.**

*Note that the laboratory reported two sets of nitrate and nitrite results for sample EB-REST-02 due to an unspecified QC failure associated with the initial analysis. The sample was re-analyzed for nitrate and nitrite outside of the holding time as stated above. In order to remain conservative, the higher detection for nitrate and the nondetect result for nitrite from the initial analysis of sample EB-REST-02 should be used for project objectives.

Sample MW-109 was analyzed for benzene eight days outside of the 7-day holding time for unpreserved samples. Therefore, the positive result for benzene is potentially biased low in sample MW-109.

Sample MW-110 was analyzed for benzene one day outside of the 14-day holding time for preserved samples. Therefore, the positive result for benzene is potentially biased low in sample MW-110.

Sample NCL-32 was prepared five days outside of the 7-day holding time for dissolved solids; therefore, the positive result for dissolved solids in sample NCL-32 may be biased low.

Samples MW-54A, MW-90, MW-108, MW-120, NCL-31, NCL-33, NCL-49, DUP-NCL-01, EB-NCL-01, TRIP BLANK-NCL-01, and TRIP BLANK-EP-01 were re-analyzed for bromomethane, chloroethane, chloromethane, and vinyl chloride, and samples MW-90 and NCL-

33 were re-analyzed for isopropylbenzene (cumene) 1-2 days after the 14-day holding time due to either a continuing calibration or surrogate nonconformance associated with the initial analyses of these VOCs in the listed samples. As a result, two sets of the listed VOCs were reported in the samples listed above. However, in order to remain conservative, the higher detected results for isopropylbenzene (cumene) in the initial analyses of samples MW-90 and NCL-33 should be used for project objectives. Since bromomethane, chloroethane, chloromethane, and vinyl chloride were not detected in either VOC analysis of samples MW-54A, MW-90, MW-108, MW-120, NCL-31, NCL-33, NCL-49, DUP-NCL-01, EB-NCL-01, TRIP BLANK-NCL-01, and TRIP BLANK-EP-01, the initial VOC analyses of these samples should also be used for project objectives. Since the results of the reanalyses outside of holding time were not used for project objectives, there is no adverse effect on the results due to the holding time exceedance.

Samples MW-130, MW-152, MW-155, MW-157, MW-158, MW-159, and MW-160 were analyzed for MTBE two days after the 14-day holding time. Therefore, potential low bias exists for the positive and nondetect results for MTBE in these samples.

Samples MW-4A, MW-101, and TEL-4 were analyzed for TPH (GC/FID) low fraction 1-2 days after the 14-day holding time. Therefore, potential low bias exists for the positive results for TPH (GC/FID) low fraction in these samples.

Note that the laboratory reported two sets of results for TPH (GC/FID) high fraction in sample MW-157 due to surrogate failure in the initial analysis; the surrogate recovery in the re-extraction performed two days outside of the holding time was acceptable. In order to remain conservative, the higher result from the re-extraction should be used for project objectives. Although this is the higher result, potential low bias still exists for TPH (GC/FID) high fraction in sample MW-157 due to the holding time exceedance.

Samples DUP-EP-02, DUP-REST-03, DUP-REST-05, EB-EP-01, EB-EP-04, EB-REST-05, KWB-12A, KWB-12B, KWB-1A, MW-2A, MW-3, MW-10, MW-21, MW-22A, MW-56, MW-61, MW-74, MW-75, MW-76, MW-79, MW-83, MW-84, MW-98,MW-101, MW-105, MW-106, MW-117, MW-118, MW-119, MW-120, MW-121, MW-122, MW-123, MW-124, MW-126B, MW-130, MW-135, MW-136, MW-141, MW-142, MW-143, MW-144, MW-149, MW-150, MW-162, MW-163, OCD-6, OCD-7AR, and TEL-4 were analyzed for nitrate and nitrite, and samples MW-7A, MW-18A, and MW-114 were analyzed for nitrate >48-hours but <96 hours after collection. Therefore, potential low bias exists for the positive and nondetect results for nitrate and/or nitrite in these samples.

Laboratory Method Blanks

The following analytes were detected in the method blanks: nitrate, dissolved arsenic, total barium, total calcium, total manganese, total nickel, total iron, total potassium, total chromium, TPH (GC/FID) low fraction, methylene chloride, naphthalene (VOC), and TPH (GC/FID) high fraction. The analytes listed below were detected in the corresponding samples at concentrations within five times the method blank concentration for inorganic analytes and within 10 times the method blank concentration for organic analytes. Therefore, these samples may include measurement contributions from the laboratory.

- Nitrate: DUP-REST-05, KWB-12B, MW-21, MW-130, MW-141, EB-REST-05

- Total iron: MW-46R, MW-109, MW-116, MW-123, MW-140
- Total potassium: MW-46R, MW-52, MW-109, MW-110
- Total chromium: DUP-REST-02, DUP-REST-05, EB-REST-05, KWB-12B, MW-106, MW-130, MW-134
- Total nickel: MW-141, DUP-REST-03
- TPH (GC/FID) low fraction: DUP-EP-01, DUP-EP-03, EB-EP-02, EB-EP-03, EB-EP-04, KWB-11A, KWB-11B, MW-7A, MW-87, MW-88, MW-115, MW-124, MW-158, OCD-1R, OCD-2A, OCD-3, OCD-4
- TPH (GC/FID) high fraction: EB-EP-02, EB-EP-03, KWB-11A, KWB-11B, MW-118, MW-119, MW-124, MW-125, MW-136, MW-145, MW-146, MW-149, MW-150, MW-161 OCD-1R, OCD-2A, OCD-3, OCD-4

Equipment Blanks

The following table summarizes the analytes were detected in the equipment blank samples and the associated samples based on the location at the site. The analytes listed in the table below were detected in the corresponding samples at concentrations within five times the maximum equipment blank concentration, where applicable, for inorganic analytes and within 10 times the maximum equipment blank concentration for organic analytes. Therefore, the analytes for the impacted samples listed in the table below may include measurement contributions from the field.

Blank ID(s)	Analyte	Impacted Sample Results*
EB-EP-01	Total barium	MW-18A, MW-124
	Total sodium	None
EB-EP-01, EB-EP-04	Total calcium	
EB-EP-02, EB-EP-03, EB-EP-04	Chloride	
EB-EP-02, EB-EP-03	Sulfate	
EB-EP-01, EB-EP-02*, EB-EP-03*, EB-EP-04	TPH (GC/FID) high fraction	MW-2A, MW-18A, MW-79, MW-87, MW-120, MW-121, MW-122, MW-124***, OCD-1R***, OCD-2A***, OCD-3***, OCD-4***
EB-EP-01, EB-EP-02*, EB-EP-03*, EB-EP-04*	TPH (GC/FID) low fraction	DUP-EP-01***, DUP-EP-03***, MW-3, MW-4A, MW-10, MW-74, MW-79, MW-7A***, MW-87***, MW-88***, MW-120, MW-122, MW-123, MW-124***, OCD-1R***, OCD-2A***, OCD-3***, OCD-4***, OCD-6
Associated samples (EP Area of the site from this report): DUP-EP-01, DUP-EP-02, DUP-EP-03, MW-2A, MW-3, MW-4A, MW-5A, MW-10, MW-18A, MW-22A, MW-70, MW-74, MW-75, MW-76, MW-79, MW-7A, MW-83, MW-84, MW-87, MW-88, MW-11A, MW-120, MW-121, MW-122, MW-123, MW-124, OCD-1R, OCD-2A, OCD-3, OCD-4, OCD-5, OCD-6, OCD-7AR, OCD-8A		
EB-NCL-01	Nitrate	MW-55, NCL-32
	TPH (GC/FID) high fraction	DUP-NCL-01, NCL-49
Associated samples (NCL Area of the site from this report): DUP-NCL-01, MW-45, MW-54A, MW-55, MW-56, MW-108, NCL-31, NCL-32, NCL-33, NCL-44, NCL-49		
EB-TEL-01	Fluoride	None
	TPH (GC/FID) low fraction	MW-49, TEL-4
Associated samples (TEL Area of the site from this report): DUP-TEL-01, MW-49, TEL-4		

Blank ID(s)	Analyte	Impacted Sample Results*
EB-REST-03, EB-REST-04	Total barium	DUP-REST-03, DUP-REST-04, DUP-REST-05, KWB-11B, KWB-12B, KWB-1A, MW-21, MW-50, MW-52, MW-114, MW-115, MW-116, MW-117, MW-119, MW-125, MW-126B, MW-134, MW-135, MW-136, MW-140, MW-141, MW-142, MW-143, MW-144, MW-145, MW-146, MW-147, MW-148, MW-150
	Total potassium	DUP-REST-01, DUP-REST-02, DUP-REST-04, DUP-REST-05, KWB-11A, KWB-12B, KWB-1A, KWB-7, MW-46R***, MW-52***, MW-61, MW-64, MW-90, MW-96, MW-98, MW-101, MW-102, MW-109***, MW-110***, MW-113, MW-115, MW-116, MW-119, MW-125, MW-130, MW-135, MW-139, MW-141, MW-142, MW-143, MW-144, MW-145, MW-146, MW-147, MW-149, MW-150, MW-163
	Chloroform	None
EB-REST-03	Carbon tetrachloride	
	Total boron (also impacts dissolved boron)	
EB-REST-02, EB-REST-03, EB-REST-04	Total calcium	
EB-REST-04	Chloride	MW-98
	Sulfate	MW-102, DUP-REST-02
	Total manganese	DUP-REST-04, DUP-REST-05, KWB-11B, MW-119, MW-146, MW-148
	Dissolved manganese	MW-117, MW-118, MW-119, MW-141
	Dissolved Solids	None
EB-REST-03, EB-REST-04, EB-REST-05	Total sodium	
EB-REST-05	Total chromium*	
	Cyanide	MW-52, MW-136
EB-REST-01, EB-REST-02, EB-REST-03	Fluoride	DUP-REST-02, DUP-REST-03, DUP-REST-04, KWB-11B, KWB-1A, MW-21, MW-102, MW-116, MW-134, MW-135, MW-141, MW-143, MW-144, MW-150, KWB-12A, MW-117, MW-119, MW-126B, MW-149, MW-140, MW-162, MW-136, MW-142, MW-163, RA-4196R
EB-REST-01, EB-REST-02 (initial), EB-REST-05*	Nitrate	DUP-REST-05***, KWB-12B***, MW-21***, MW-90, MW-109, MW-114, MW-130***, MW-141***
Associated samples (the remaining Areas of the site from this report. i.e., REST and TMD): **TMD:** MW-152, MW-153, MW-154, MW-155, MW-156, MW-21, MW-46R, NP-1 **REST:** DUP-REST-01, DUP-REST-02, DUP-REST-03, DUP-REST-04, DUP-REST-05, KWB-11A, KWB-11B, KWB-12A, KWB-12B, KWB-1A, KWB-7, MW-50, MW-52, MW-61, MW-64, MW-90, MW-96, MW-98, MW-101, MW-102, MW-104, MW-105, MW-106, MW-109, MW-110, MW-113, MW-114, MW-115, MW-116, MW-117, MW-118, MW-119, MW-125, MW-126B, MW-130, MW-134, MW-135, MW-136, MW-139, MW-140, MW-141, MW-142, MW-143, MW-144, MW-145, MW-146, MW-147, MW-148, MW-149, MW-150, MW-151, MW-157, MW-158, MW-159, MW-160, MW-161, MW-162, MW-163, RA-4196R		
*Impacted sample results are those that were detected at concentrations within five times the maximum associated equipment blank concentration for inorganic analytes and within 10 times the maximum associated equipment blank concentration for organic analytes.		

**Note that these asterisked results in the equipment blank samples noted in the table above were less than 10 times the concentration detected in the associated method blank for organic analytes; therefore, the results for the asterisked results in the equipment blank samples noted in the table above were probably the result of laboratory method blank contamination and did not affect any associated field samples.

***Note that these asterisked results in the samples noted in the table above were also less than 10 times the concentration detected in the associated method blank.

Trip Blanks

Methylene chloride was detected in one of the trip blank samples, TRIP BLANK-TMD-01. There is no impact on the data usability due to this issue since methylene chloride was not detected in the samples associated with this trip blank (i.e., from the TMD area of the site).

Carbon disulfide was detected in one of the trip blank samples, TRIP BLANK-REST-02. Potential high bias exists for the positive results for carbon disulfide in samples associated with this trip blank, MW-61, MW-90, MW-101, MW-104, MW-105, and MW-109, since the sample results were less than 10 times the concentration detected in the associated trip blank (i.e., from the "REST" area of the site)..

LCS/LCSD

The LCS %R for total potassium (129%) was above the laboratory-defined recovery limits (80-120%) in QC batch WG2378667. Therefore, the positive results for total potassium in the samples from this QC batch, MW-46R, MW-52, MW-109, MW-110, MW-116, and NCL-44, are potentially biased high.

The LCS/LCSD RPD for tert-butyl alcohol (31.2%) was above the laboratory-defined limit (30%) in QC batch WG2378619. Therefore, potential uncertainty exists for the positive results for tert-butyl alcohol in the samples from this QC batch, MW-7A and DUP-EP-01.

The %Rs for carbon tetrachloride in the LCS (127%) and LCSD (135%), and the LCSD %Rs for methylene chloride (122%) and 1,1,1-trichloroethane (130%) were above the laboratory-defined control limits (68-126%, 67-120%, and 73-124%, respectively) in QC batch WG2379284. However, since carbon tetrachloride, methylene chloride, and 1,1,1-trichloroethane were not detected in the samples from this QC batch, DUP-TEL-01, EB-TEL-01, MW-45, MW-50, MW-139, TRIP BLANK-REST-04, and TRIP BLANK-TEL-01, there is no impact on data usability.

The LCS %Rs for naphthalene (VOC) (53.4%) and styrene (67.2%) were outside of the laboratory-defined control limits (54-135% and 73-130%, respectively) in QC batch WG2379451. Therefore, the nondetect results for naphthalene (VOC) and styrene in the samples from this QC batch, MW-55 and MW-96, are potentially biased low.

The LCS/LCSD RPDs for chloroethane (23.5%), chloromethane (21.9%), trichloroethene (20.8%), and vinyl chloride (23.7%) were above the laboratory-defined limit (20%) in QC batch WG2379879. However, since chloroethane, chloromethane, trichloroethene, and vinyl chloride were not detected in the samples from this QC batch, DUP-REST-03, DUP-REST-05, EB-REST-05, KWB-1A, KWB-12B, MW-106, MW-130, MW-152, MW-153, MW-154, MW-155, MW-

156, MW-157, MW-158, MW-159, MW-160, and TRIP BLANK-REST-02, there is no impact on data usability.

The LCS/LCSD RPDs for chloromethane (23.4%) and 2-butanone (25.7%) were above the laboratory-defined limit (20%) in QC batch WG2380750. However, since chloromethane and 2-butanone were not detected in the samples from this QC batch, MW-52, MW-109, MW-110, NCL-32, and NCL-44, there is no impact on data usability.

The LCS %R for naphthalene (VOC) (50.6%) was below the laboratory-defined control limits (54-135%) in QC batch WG2382529. Therefore, the nondetect result for naphthalene (VOC) in the sample from this QC batch, MW-113, is potentially biased low.

The LCS %Rs for cis-1,3-dichloropropene (79.0%) and styrene (70.6%) were outside of the laboratory-defined control limits (80-123% and 73-130%, respectively) in QC batch WG2383329. Therefore, the nondetect results for cis-1,3-dichloropropene and styrene in the sample from this QC batch, TRIP BLANK-TMD-01, are potentially biased low.

The LCSD %R for benzaldehyde (175%) was above the laboratory-defined recovery limits (10-160%) in QC batch WG2376822. However, since benzaldehyde was not detected in the sample from this QC batch, MW-61, there is no impact on data usability.

MS/MSD

MS and/or MS/MSD analyses were performed on the following samples:

- OCD-8A: Cyanide
- DUP-REST-02, EB-EP-01, EB-EP-02, EB-EP-03, EB-REST-02, EB-REST-04, EB-REST-05, EB-TEL-01, EB-NCL-01: Nitrate, nitrite, chloride, fluoride, sulfate
- EB-REST-01: Nitrate, nitrite
- MW-61: Nitrate, nitrite, fluoride
- MW-101, MW-106: Nitrate, nitrite, chloride, fluoride
- MW-116: Total mercury
- MW-115: Dissolved boron
- EB-REST-03, MW-52: Total boron
- MW-115, MW-125: Select dissolved metals
- MW-46R, MW-113, MW-123, MW-124, MW-149, OCD-3, DUP-TEL-01: Total metals
- MW-74: Select total metals
- NCL-32: Total potassium

The %Rs of cyanide in the MS (77.2%) and MSD (66.4%) performed on sample OCD-8A were below the laboratory-defined recovery limits (90-110%); therefore, the positive and nondetect results for cyanide in all groundwater samples from this lab report may be biased low.

The %Rs of nitrate in the MS (126%) and MSD (126%) performed on sample MW-101, and the MS (123%) performed on sample MW-61 were above the laboratory-defined recovery limits (80-120%); therefore, the positive results for nitrate in all groundwater samples from this

lab report except samples MW-102, MW-106, and DUP-REST-02, where detected, may be biased high.

The %R of chloride in the MS (27.7%) performed on sample MW-106 was outside of the laboratory-defined recovery limits (80-120%); therefore, the positive results for chloride in all groundwater samples from this lab report except DUP-REST-02, MW-102, MW-101, and NCL-01 may be biased low.

The %Rs of chloride in the MS/MSD performed on sample DUP-REST-02 were outside of the laboratory-defined recovery limits (80-120%). However, the concentration of chloride in the unspiked sample was greater than four times the spiked concentration; thus, the %Rs of chloride were not used to evaluate potential matrix effects.

The %R of total mercury in the MS (61.2%) performed on sample MW-116 was outside of the laboratory-defined recovery limits (75-125%). The laboratory also flagged the result for total mercury in this sample with an "O1" qualifier indicating that either SD or PDS results were outside of the acceptance criteria. The laboratory was contacted during this review and specified that the %R in the PDS analysis performed on this sample for total mercury (122%) was outside of the acceptance criteria (80-120%). Therefore, the nondetect results for total mercury in all groundwater samples in this report, where reported, may be potentially uncertain.

The %Rs of total calcium and total sodium in the MS and/or MSD performed on samples MW-46R, MW-113, MW-123, MW-149, and OCD-3 were outside of the laboratory-defined recovery limits (75-125%). The laboratory also flagged the results for total calcium and total sodium in sample MW-149 with an "O1" qualifier indicating that either a SD or PDS results were outside of the acceptance criteria. The laboratory was contacted during this review and specified that the %Rs in the PDS analysis performed on sample MW-149 for total calcium (0%) and total sodium (0%) were outside of the acceptance criteria (80-120%). However, the concentrations of these analytes in the unspiked samples were greater than four times the spiked concentrations; thus, the %Rs of total calcium and total sodium were not used to evaluate potential matrix effects.

The %Rs of total calcium, total iron, total manganese, and total sodium in the MS and/or MSD performed on samples MW-74 and MW-124 were outside of the laboratory-defined recovery limits (75-125%). However, the concentrations of these analytes in the unspiked samples were greater than four times the spiked concentrations; thus, the %Rs of total calcium, total iron, total manganese, and total sodium were not used to evaluate potential matrix effects.

The %R of total iron in the MSD (165%) performed on sample MW-149 was above the laboratory-defined recovery limits (75-125%); therefore, the positive results for total iron in all groundwater samples from this lab report except samples MW-46R, MW-113, MW-123, MW-124, OCD-3, DUP-TEL-01, and TEL-4, where reported, may be biased high.

The %R of total sodium in the MS performed on sample DUP-TEL-01 was outside of the laboratory-defined recovery limits (75-125%). However, the concentration of this analyte in the unspiked sample was greater than four times the spiked concentration; thus, the %R of total sodium was not used to evaluate potential matrix effects.

The %R of total nickel in the MSD (132%) performed on sample DUP-TEL-01 was above the laboratory-defined recovery limits (75-125%); therefore, the positive results for total nickel in

all groundwater samples from this lab report except samples MW-46R, MW-113, MW-123, MW-124, MW-149, and OCD-3, where reported, may be biased high.

Surrogate Recoveries

The surrogate (toluene-d8) recovered above the laboratory-defined control limits (80-120%) in the VOC analyses of samples EB-NCL-01 (initial analysis) (123%), EB-REST-05 (125%), DUP-NCL-01 (initial analysis) (122%), DUP-REST-03 (123%), DUP-REST-05 (124%), KWB-12B (123%), MW-54A (initial analysis) (124%), MW-120 (initial analysis) (122%), MW-130 (initial analysis) (125%), MW-155 (initial analysis) (122%), MW-156 (124%), MW-157 (initial analysis) (122%), MW-158 (initial analysis) (124%), MW-160 (initial analysis) (123%), NCL-31 (initial analysis) (121%), NCL-49 (initial analysis) (122%), RA-4196R (122%), TRIP BLANK-EP-01 (initial analysis) (123%), TRIP BLANK-EP-02 (122%), TRIP BLANK-EP-03 (123%), and TRIP BLANK-NCL-01 (initial analysis) (124%). There was no impact on the data usability due to this issue since no VOCs were detected in the listed analyses of these samples.

The surrogate (toluene-d8) recovered above the laboratory-defined control limits (80-120%) in the VOC analyses of samples MW-106 (122%), MW-153 (122%), MW-154 (122%), KWB-7 (133%), KWB-11B (123%), and TRIP BLANK-REST-02 (125%). Therefore, the positive VOC results in samples MW-106, KWB-7, KWB-11B, and TRIP BLANK-REST-02 may be biased high.

The surrogate (toluene-d8) recovered above the laboratory-defined control limits (80-120%) in the initial VOC analyses of sample MW-90 (129%) and MW-159 (122%). Therefore, the positive results for carbon disulfide, isopropylbenzene (cumene), n-propylbenzene, and sec-butylbenzene in the initial VOC analysis of sample MW-90, and the positive results for benzene, n-propylbenzene, and sec-butylbenzene in the initial VOC analysis of sample MW-159 may be biased high.

The surrogate (o-terphenyl) recovered above the laboratory-defined control limits (52.0-156%) in the TPH (GC/FID) high fraction analyses of samples MW-74 (674%) and MW-90 (202%). Therefore, the positive TPH (GC/FID) high fraction results in samples MW-74 and MW-90 may be biased high.

The surrogate (o-terphenyl) recovered below the laboratory-defined control limits (52.0-156%) in the TPH (GC/FID) high fraction analysis of sample MW-84 (0%). There was no impact on the data usability due to this issue since the sample was diluted ≥10-fold; therefore, the surrogate recovery was not applicable.

The surrogate (o-terphenyl) recovered below the laboratory-defined control limits (52.0-156%) in the original TPH (GC/FID) high fraction extraction of sample MW-157 (48.2%). Therefore, the positive TPH (GC/FID) high fraction result in the original extraction of sample MW-157 may be biased low. However, as already noted above, the original extraction of TPH (GC/FID) high fraction for this sample should not be used for project objectives.

Note that the laboratory indicated in the Sample Narrative for sample NCL-33 that isopropylbenzene was reported from an out of hold analysis due to high surrogate recovery; however, the VOC surrogate recoveries were within the acceptance limits for this sample. The laboratory was not contacted about this issue.

Laboratory Duplicates

Laboratory duplicate analyses were performed on the following samples:

- KWB-11A, KWB-11B, MW-76, MW-108, MW-135, MW-147, NCL-31: Dissolved solids
- KWB-7, MW-18A: Cyanide
- DUP-REST-02, EB-EP-01, EB-EP-02, EB-EP-03, EB-REST-02, EB-REST-04, EB-REST-05, EB-TEL-01, EB-NCL-01, MW-61, MW-101, MW-106: Nitrate, nitrite, chloride, fluoride, sulfate
- EB-REST-01: Nitrate, nitrite

The RPDs for sulfate in the duplicate analyses performed on samples DUP-REST-02 (17.8%) and EB-REST-04 (200%), chloride (28.3%) and sulfate (17.4%) in the duplicate analysis performed on sample EB-EP-03, chloride (18.6%) in the duplicate analysis performed on sample EB-EP-02, fluoride (200%) in the duplicate analysis performed on sample EB-TEL-01, nitrate (200%) in the duplicate analysis performed on sample EB-REST-02, and fluoride (200%) in the duplicate analysis performed on sample EB-REST-05 exceeded the laboratory-defined control limits (15%). However, the results in the parent and duplicate samples were less than 5x the RL so the laboratory duplicate RPDs were not applicable.

The RPD for fluoride (20.5%) in the duplicate analysis performed on sample MW-101 exceeded the laboratory-defined control limit (15%) and the limit used in this review (20%). Therefore, potential uncertainty exists for the positive results for fluoride in all groundwater samples in this report except samples MW-61, MW-102, MW-106, and DUP-REST-02.

Field Duplicates

Samples MW-7A/DUP-EP-01, MW-22A/DUP-EP-02, MW-3/DUP-EP-03, NCL-49/DUP-NCL-01, TEL-4/DUP-TEL-01, MW-113/DUP-REST-01, MW-102/DUP-REST-02, MW-134/DUP-REST-03, MW-146/DUP-REST-04, and KWB-12B/DUP-REST-05 were submitted as the field duplicate pairs. All criteria were met except as noted below:

- It should be noted that select parent and duplicate samples had varying RLs for several analytes in this report due to different dilution factors analyzed by the laboratory. Both of the field duplicate pair sample RLs were used in evaluation of the field duplicate results; only those field duplicate results that did not meet acceptance criteria using both sets of RLs are discussed below.

- The results for total chromium and total potassium were <5x the RL in the field duplicate and parent sample in the field duplicate pair MW-22A/DUP-EP-01. The absolute differences were greater than the RL. Therefore, the positive results for total chromium and total potassium in samples MW-22A and DUP-EP-01 may be considered estimated.

- The results for isopropylbenzene and TPH (GC/FID) low fraction were <5x the RL in the parent sample and were >5x the RL in the field duplicate sample in the field duplicate pair TEL-4/DUP-TEL01. The absolute differences were greater than the RL. Therefore, the

positive results for isopropylbenzene and TPH (GC/FID) low fraction in samples TEL-4 and DUP-TEL-01 may be considered estimated.

- The RPD for TPH (GC/FID) high fraction (46.9%) was above the acceptance criteria (30%) in field duplicate pair MW-113/DUP-REST-01. Therefore, the positive results for TPH (GC/FID) high fraction in samples MW-113 and DUP-REST-01 may be considered estimated.

- The RPDs for TPH (GC/FID) high fraction (41.6%) and benzene (32.7%) were above the acceptance criteria (30%) in field duplicate pair MW-102/DUP-REST-02. Therefore, the positive results for TPH (GC/FID) high fraction and benzene in samples MW-102 and DUP-REST-02 may be considered estimated.

- The result for total iron was <5x the RL in the field duplicate sample and was >5x the RL in the parent sample in the field duplicate pair MW-134/DUP-REST-03. The absolute difference was greater than the RL. Therefore, the positive results for total iron in samples MW-134 and DUP-REST-03 may be considered estimated.

Appendix E.1 - Summary of Production from Recovery Trenches and Wells

2024 Annual Groundwater Monitoring Report

HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, New Mexico

Recovery Well	Recovery Method	Volume of Water Recovered [1] (gallons)					Volume of PSH Recovered [1] (gallons)				
		1st Quarter	2nd Quarter	3rd Quarter	4th Quarter [2]	Total 2024	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total 2024
RW-1R	Automated Pump	438,945	478,337	108,027	155,519	1,180,828	0	0	0	0	0
RW-2R	Automated Pump	620,378	177,522	0	406,293	1,204,193	2	0	0	0	2
RW-4R	Automated Pump	808,490	1,130,231	295,965	360,082	2,594,768	0	3	0	6	9
RW-5R	Automated Pump	37,331	22,951	0	23,801	84,083	0	0	0	20	20
RW-6R	Automated Pump	0	0	0	0	0	3,435	1	0	1,073	4,509
RW-7R	Automated Pump	98,595	242,550	72,842	163,856	577,843	2	1	0	0	3
RW-8R	Automated Pump	0	0	0	233,979	233,979	1	4,607	0	0	4,608
RW-12R	Automated Pump	0	0	0	0	0	0	0	0	0	0
RW-13R	Automated Pump	228,326	613,986	339,229	3,105	1,184,646	578	5,587	3	141	6,309
RW-14R	Automated Pump	0	0	0	22,745	22,745	283	4,013	20	0	4,316
RW-15	Automated Pump	0	0	0	0	0	0	0	0	0	0
RW-19	Automated Pump	23,045	141	16,452	0	39,638	3,722	3,114	3	12	6,851
RW-20	Automated Pump	0	0	0	0	0	0	0	0	0	0
RW-22 [3]	Automated Pump	2,040	2,880	32	0	4,952	0	8	5	125	138
TOTAL VOLUME RECOVERED:		2,257,150	2,668,598	832,547	1,369,380	**7,127,675**	8,023	17,334	31	1,376	**26,764**

[1] Volumes of recovered water and PSH are based on automated system readings, rounded to the nearest gallon.

[2] Due to PLC upgrade in October 2024, volumes are based off automated system data for January through August 2024 and local data for October through Decmber 2024.

[3] The automated system associated with RW-22 is malfunctioning. Volume of water recovered is based off local totalizer readings at Tank T-9020.

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Appendix E.1 - Recovery System Gauging Data

2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, NM

Automated Fluid Readings - Skid Area T-9012

Date	Total Fluids Readings				PSH Readings				Tank Reading
	RW-1R	RW-2R	RW-7R	RW-8R	RW-1R	RW-2R	RW-7R	RW-8R	T-9012
12/28/2023	2,169,560	390,210	5,390,965	3,368,902	73,747	62	82,278	45,691	352,617
1/3/2024	-	-	-	-	-	-	-	-	-
1/10/2024	-	-	-	-	-	-	-	-	-
1/16/2024	2,282,414	544,012	5,418,310	3,368,902	73,747	63	82,278	45,691	352,617
1/23/2024	-	-	-	-	-	-	-	-	-
1/30/2024	-	-	-	-	-	-	-	-	-
2/6/2024	2,395,623	701,041	5,446,987	3,368,902	73,747	64	82,278	45,691	352,617
2/13/2024	-	-	-	-	-	-	-	-	-
2/20/2024	2,465,432	810,594	5,464,150	3,368,602	73,747	64	82,278	45,691	352,617
2/27/2024	-	-	-	-	-	-	-	-	-
3/5/2024	-	-	-	-	-	-	-	-	-
3/12/2024									
3/20/2024	2,608,505	1,010,588	5,489,560	3,368,902	73,747	64	82,280	45,692	352,622
3/26/2024	-	-	-	-	-	-	-	-	-
1Q Totals:	**438,945**	**620,378**	**98,595**	**-**	**-**	**2**	**2**	**1**	**5**
4/2/2024	-	-	-	-	-	-	-	-	-
4/11/2024	2,717,557	1,179,612	5,511,774	3,368,902	73,747	64	82,281	49,507	-
4/16/2024	2,747,420	1,188,110	5,525,516	3,368,902	73,747	64	82,281	50,299	352,638
4/23/2024	-	-	-	-	-	-	-	-	-
4/30/2024	-	-	-	-	-	-	-	-	-
5/2/2024	2,833,014	1,188,110	5,583,106	3,368,902	73,747	64	82,281	-	-
5/8/2024	2,868,608	1,188,110	5,608,451	3,368,902	73,747	64	82,281	50,299	352,638
5/21/2024	-	-	-	-	-	-	-	-	-
5/28/2024	-	-	-	-	-	-	-	-	-
6/4/2024	2,991,140	1,188,110	5,689,809	3,368,902	73,747	64	82,281	50,299	352,647
6/14/2024	3,038,762	1,188,110	-	3,368,902	73,747	64	-	50,299	352,648
6/19/2024	3,086,842	1,188,110	5,732,110	3,368,902	73,747	64	82,281	50,299	352,648
6/25/2024	-	-	-	-	-	-	-	-	-
2Q Totals:	**478,337**	**177,522**	**242,550**	**-**	**-**	**-**	**1**	**4,607**	**26**
7/2/2024	3,090,352	1,188,110	5,740,517	3,368,902	73,747	64	82,281	50,299	352,648
7/9/2024	3,106,588	1,188,110	5,758,005	3,368,902	73,747	64	82,281	50,299	352,648
7/16/2024	-	-	-	-	-	-	-	-	-
7/24/2024	3,174,869	1,188,110	5,804,952	3,368,902	73,747	64	82,281	50,299	352,678
7/30/2024	-	-	-	-	-	-	-	-	-
8/6/2024	-	-	-	-	-	-	-	-	-
8/13/2024	-	-	-	-	-	-	-	-	-
8/20/2024	3,174,869	1,188,110	5,804,952	3,368,902	73,747	64	82,281	50,299	352,678
8/27/2024	-	-	-	-	-	-	-	-	-
9/3/2024	3,194,869	1,188,110	5,804,952	3,368,902	73,747	64	82,281	50,299	352,678
9/10/2024	-	-	-	-	-	-	-	-	-
9/17/2024	-	-	-	-	-	-	-	-	-
9/24/2024	-	-	-	-	-	-	-	-	-
3Q Totals:	**108,027**	**-**	**72,842**	**-**	**-**	**-**	**-**	**-**	**30**
10/1/2024	-	-	-	-	-	-	-	-	-
10/8/2024	3,259,164	7,111,785	6,004,734	4,898,044	15	96,185	82,489	104,698	332,773
10/15/2024	3,297,952	7,165,194	6,018,451	4,905,965	15	96,185	82,489	104,698	333,064
10/22/2024	-	-	-	-	-	-	-	-	-
10/29/2024	-	-	-	-	-	-	-	-	-
11/6/2024	3,330,376	7,209,526	6,029,755	4,967,383	15	96,185	82,489	104,698	333,064
11/12/2024	-	-	-	-	-	-	-	-	-
11/19/2024	-	-	-	-	-	-	-	-	-
11/26/2024	-	-	-	-	-	-	-	-	-
12/3/2024	3,330,376	7,209,526	6,029,755	4,967,383	15	96,185	82,489	104,698	333,084
12/13/2024	3,330,376	7,209,526	6,029,755	4,967,383	15	96,185	82,489	104,698	333,089
12/17/2024	-	-	-	-	-	-	-	-	-
12/24/2024	-	-	-	-	-	-	-	-	-
12/31/2024	3,330,378	7,209,526	6,029,755	4,967,383	15	96,185	82,489	104,698	333,089
4Q Totals:	**155,519**	**406,293**	**163,856**	**233,979**	**0**	**-**	**(0)**	**-**	**316**

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Appendix E.1 - Recovery System Gauging Data

2024 Annual Groundwater Monitoring Report

HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, NM

Automated Fluid Readings - Skid Area T-9003

Date	Total Fluids Readings		PSH Readings		Tank Reading
	RW-4R	RW-6R	RW-4R	RW-6R	T-9003
12/27/2023	8,354,477	2,941,779	14,045	77,362	952
1/3/2024	-	-	-	-	-
1/10/2024	-	-	-	-	-
1/16/2024	8,371,464	2,941,779	14,045	77,362	958
1/23/2024	-	-	-	-	-
1/30/2024	-	-	-	-	-
2/6/2024	8,371,464	2,941,779	14,045	77,362	959
2/13/2024	-	-	-	-	-
2/20/2024	8,638,602	2,941,779	14,045	80,797	960
2/27/2024	-	-	-	-	-
3/5/2024	-	-	-	-	-
3/12/2024	-	-	-	-	-
3/19/2024	9,162,967	2,941,779	14,045	80,797	961
3/26/2024	-	-	-	-	-
1Q Totals:	**808,490**	**-**	**-**	**3,435**	**9**
4/2/2024	-	-	-	-	-
4/11/2024	9,529,049	2,941,779	14,048	80,797	1,327
4/16/2024	9,549,006	2,941,779	14,048	80,797	1,327
4/23/2024	-	-	-	-	-
4/30/2024	-	-	-	-	-
5/2/2024	9,781,135	2,941,779	14,048	80,797	1,327
5/8/2024	9,914,005	2,941,779	14,048	80,797	1,327
5/21/2024	-	-	-	-	-
5/28/2024	-	-	-	-	-
6/4/2024	10,293,198	2,941,779	14,048	80,797	1,328
6/14/2024	-	2,941,779	14,048	80,798	1,328
6/19/2024	506,340	2,941,779	14,048	80,798	1,328
6/25/2024	-	-	-	-	-
2Q Totals:	**1,130,231**	**-**	**3**	**1**	**367**
7/2/2024	539,638	2,941,779	14,048	80,798	1,328
7/9/2024	539,639	2,941,779	14,048	80,798	1,328
7/16/2024	-	-	-	-	-
7/24/2024	539,639	2,941,779	14,048	80,798	1,328
7/30/2024	-	-	-	-	-
8/6/2024	-	-	-	-	-
8/13/2024	-	-	-	-	-
8/20/2024	802,305	2,941,779	14,048	80,798	1,328
8/27/2024	-	-	-	-	-
9/3/2024	802,305	2,941,779	14,048	80,798	1,328
9/10/2024	-	-	-	-	-
9/17/2024	-	-	-	-	-
9/24/2024	-	-	-	-	-
3Q Totals:	**295,965**	**-**	**-**	**-**	**-**
10/1/2024	-	-	-	-	-
10/8/2024	10,809,758	3,378,282	13,616	70,519	46,885
10/15/2024	10,820,636	3,378,282	13,616	70,519	46,885
10/22/2024	-	-	-	-	-
10/29/2024	-	-	-	-	-
11/6/2024	10,912,806	3,378,282	13,617	70,519	46,885
11/12/2024	-	-	-	-	-
11/19/2024	-	-	-	-	-
11/26/2024	-	-	-	-	-
12/3/2024	10,912,806	3,378,282	13,617	70,519	46,885
12/10/2024	11,010,486	3,378,282	13,622	70,857	46,885
12/13/2024	-	-	-	-	-
12/24/2024	-	-	-	-	-
12/31/2024	11,010,486	3,378,282	13,622	71,592	46,885
4Q Totals:	**360,082**	**-**	**6**	**1,073**	**-**

Appendix E.1 - Recovery System Gauging Data

2024 Annual Groundwater Monitoring Report

HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, NM

Automated Fluid Readings - Skid Area T-9021

Date	Total Fluids Readings			PSH Readings			Tank Reading
	RW-5R	RW-15	RW-19	RW-5R	RW-15	RW-19	T-9021
12/27/2023	1,049,501	-	777,257	40,460	-	26,611	-
1/3/2024	-	-	-	-	-	-	-
1/10/2024	-	-	-	-	-	-	-
1/16/2024	1,049,505		777,258	40,460		28,606	287,252
1/23/2024	-	-	-	-	-	-	-
1/30/2024	-	-	-	-	-	-	-
2/6/2024	1,049,662	-	777,336	40,460	-	28,613	546,489
2/13/2024	-	-	-	-	-	-	-
2/20/2024	1,054,365	-	777,336	40,460	-	28,613	720,762
2/27/2024	-	-	-	-	-	-	-
3/5/2024	-	-	-	-	-	-	-
3/12/2024	-	-	-	-	-	-	-
3/20/2024	1,086,832	-	800,302	40,460	-	30,333	62,348
3/26/2024	-	-	-	-	-	-	-
1Q Totals:	**37,331**	**-**	**23,045**	**-**	**-**	**3,722**	**62,348**
4/2/2024	-	-	-	-	-	-	-
4/11/2024	1,090,343	-	800,435	40,460	-	33,431	252,675
4/16/2024	1,093,447	-	800,435	40,460	-	33,432	309,649
4/23/2024	-	-	-	-	-	-	-
4/30/2024	-	-	-	-	-	-	-
5/2/2024	1,104,741	-	800,443	40,460	-	33,432	502,297
5/8/2024	1,109,470	-	800,443	40,460	-	33,432	584,689
5/21/2024	-	-	-	-	-	-	-
5/28/2024	-	-	-	-	-	-	-
6/4/2024	1,109,783	-	800,443	40,460	-	33,447	878,272
6/14/2024	1,109,783	-	800,443	40,460	-	33,447	980,672
6/19/2024	1,109,783	-	800,443	40,460	-	33,447	17,225
6/25/2024	-	-	-	-	-	-	-
2Q Totals:	**22,951**	**-**	**141**	**-**	**-**	**3,114**	**(45,123)**
7/2/2024	1,109,783	-	800,443	40,460	-	33,448	145,145
7/9/2024	1,109,783	-	800,443	40,460	-	33,448	146,360
7/16/2024	-	-	-	-	-	-	-
7/24/2024	1,109,783	-	814,028	40,460	-	33,448	146,361
7/30/2024	-	-	-	-	-	-	-
8/6/2024	-	-	-	-	-	-	-
8/13/2024	-	-	-	-	-	-	-
8/20/2024	1,109,783	-	815,693	40,460	-	33,448	146,361
8/27/2024	-	-	-	-	-	-	-
9/3/2024	1,109,783	-	816,895	40,460	-	33,450	146,604
9/10/2024	-	-	-	-	-	-	-
9/17/2024	-	-	-	-	-	-	-
9/24/2024	-	-	-	-	-	-	-
3Q Totals:	**-**	**-**	**16,452**	**-**	**-**	**3**	**129,379**
10/1/2024	-	-	-	-	-	-	-
10/8/2024	1,056,940	-	4,743,724	56,031	-	28,137	4,708,734
10/15/2024	1,056,940	-	4,743,724	56,038	-	28,140	4,708,734
10/22/2024	-	-	-	-	-	-	-
10/29/2024	-	-	-	-	-	-	-
11/6/2024	1,056,940	-	4,743,724	56,046	-	28,140	4,708,734
11/12/2024	-	-	-	-	-	-	-
11/19/2024	-	-	-	-	-	-	-
11/26/2024	-	-	-	-	-	-	-
12/3/2024	1,056,940	-	4,743,724	56,046	-	28,140	4,708,734
12/13/2024	1,056,941	-	4,743,724	56,052	-	28,140	4,708,734
12/17/2024	-	-	-	-	-	-	-
12/24/2024	-	-	-	-	-	-	-
12/31/2024	1,074,543	-	4,743,724	56,052	-	28,140	4,708,734
4Q Totals:	**23,801**	**-**	**-**	**20**	**-**	**12**	**321**

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Appendix E.1 - Recovery System Gauging Data

2024 Annual Groundwater Monitoring Report

HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, NM

Automated Fluid Readings - Skid Area T-9020

Date	Total Fluids Readings					PSH Readings					Tank Reading
	RW-12R	RW-13R	RW-14R	RW-20	RW-22	RW-12R	RW-13R	RW-14R	RW-20	RW-22	T-9020
12/27/2023	234	1,498,335	5,264,569	-	139,086	4,755	136	399,549	-	158,219	613,394
1/3/2024	-	-	-	-	-	-	-	-	-	-	-
1/10/2024	-	-	-	-	-	-	-	-	-	-	-
1/16/2024	234	1,498,335	5,264,569	-	139,086	4,755	136	399,699	-	158,219	614,370
1/23/2024	-	-	-	-	-	-	-	-	-	-	-
1/30/2024	-	-	-	-	-	-	-	-	-	-	-
2/6/2024	-	1,498,335	5,264,569	-	139,086	-	136	399,799	-	158,219	614,587
2/13/2024	-	-	-	-	-	-	-	-	-	-	-
2/20/2024	-	1,498,335	5,264,569	-	139,086	-	136	399,810	-	158,219	614,756
2/27/2024	-	-	-	-	-	-	-	-	-	-	-
3/5/2024	-	-	-	-	-	-	-	-	-	-	-
3/12/2024	-	-	-	-	-	-	-	-	-	-	-
3/20/2024	234	1,726,661	5,264,569	-	139,086	4,755	714	399,832	-	158,219	615,434
3/26/2024	-	-	-	-	-	-	-	-	-	-	-
1Q Totals:	**-**	**228,326**	**-**	**-**	**-**	**-**	**578**	**283**	**-**	**-**	**2,040**
4/2/2024	-	-	-	-	-	-	-	-	-	-	-
4/11/2024	-	1,829,993	5,264,569	-	2,413,283	-	4,748	399,834	-	158,220	-
4/16/2024	-	1,886,163	5,264,569	-	2,413,283	-	4,772	399,834	-	158,220	616,199
4/23/2024	-	-	-	-	-	-	-	-	-	-	-
4/30/2024	-	-	-	-	-	-	-	-	-	-	-
5/2/2024	234	2,078,622	5,264,569	-	2,413,283	4,755	-	399,848	-	158,227	616,200
5/8/2024	-	-	-	-	-	-	-	-	-	-	-
5/21/2024	-	-	-	-	-	-	-	-	-	-	-
5/28/2024	-	-	-	-	-	-	-	-	-	-	-
6/4/2024	-	2,332,198	5,264,569	-	2,413,283	-	5,370	401,275	-	158,227	616,482
6/14/2024	-	2,339,076	5,264,569	-	2,413,283	-	6,301	403,845	-	158,227	618,314
6/19/2024	-	2,340,647	-	-	-	-	6,301	403,845	-	158,227	618,314
6/25/2024	-	-	-	-	-	-	-	-	-	-	-
2Q Totals:	**-**	**613,986**	**-**	**-**	**2,274,197**	**-**	**5,587**	**4,013**	**-**	**8**	**2,880**
7/2/2024	-	2,347,899	5,264,569	-	2,413,283	-	6,302	403,851	-	158,227	618,314
7/9/2024	-	2,404,162	5,264,569	-	2,413,283	-	6,304	403,851	-	158,227	618,314
7/16/2024	-	-	-	-	-	-	-	-	-	-	-
7/24/2024	-	2,540,584	5,264,569	-	2,413,283	-	6,304	403,852	-	158,227	618,346
7/30/2024	-	-	-	-	-	-	-	-	-	-	-
8/6/2024	-	-	-	-	-	-	-	-	-	-	-
8/13/2024	-	-	-	-	-	-	-	-	-	-	-
8/20/2024	-	2,679,876	5,264,569	-	2,413,284	-	6,304	403,864	-	158,231	618,346
8/27/2024	-	-	-	-	-	-	-	-	-	-	-
9/3/2024	-	2,679,876	5,264,569	-	2,413,284	-	6,304	403,865	-	158,232	618,346
9/10/2024	-	-	-	-	-	-	-	-	-	-	-
9/17/2024	-	-	-	-	-	-	-	-	-	-	-
9/24/2024	-	-	-	-	-	-	-	-	-	-	-
3Q Totals:	**-**	**339,229**	**-**	**-**	**1**	**-**	**3**	**20**	**-**	**5**	**32**
10/1/2024	-	-	-	-	-	-	-	-	-	-	-
10/8/2024	-	5,172,229	131,000	-	417,363	-	60,833	87,423	-	139,100	618,902
10/15/2024	-	5,172,229	131,000	-	417,363	-	60,835	87,423	-	139,118	618,902
10/22/2024	-	-	-	-	-	-	-	-	-	-	-
10/29/2024	-	-	-	-	-	-	-	-	-	-	-
11/6/2024	-	5,172,229	311,000	-	417,363	-	60,836	87,423	-	139,228	618,902
11/12/2024	-	-	-	-	-	-	-	-	-	-	-
11/19/2024	-	-	-	-	-	-	-	-	-	-	-
11/26/2024	-	-	-	-	-	-	-	-	-	-	-
12/3/2024	-	5,172,229	131,000	-	433,605	-	60,836	87,423	-	139,228	618,902
12/13/2024	-	5,172,662	131,000	-	434,017	-	60,974	87,410	-	139,228	618,902
12/17/2024	-	-	-	-	-	-	-	-	-	-	-
12/24/2024	-	-	-	-	-	-	-	-	-	-	-
12/31/2024	-	5,175,279	131,000	-		-	60,974	87,423	-	139,228	-
4Q Totals:	**-**	**3,105**	**22,745**	**-**	**36,014**	**-**	**141**	**0**	**-**	**125**	**-**

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Appendix E.2 - Recovery System Gauging Data
2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, NM

Well	RW-1R							RW-2R							RW-4R						
Date:	Depth to PSH (feet btoc)	Depth to Water (feet btoc)	Product Pump (feet btoc)	PSH Thickness (feet)	TOC Elevation (feet)	PSH Elevation (feet)	Water Elevation (feet)	Depth to PSH (feet btoc)	Depth to Water (feet btoc)	Product Pump (feet btoc)	PSH Thickness (feet)	TOC Elevation (feet)	PSH Elevation (feet)	Water Elevation (feet)	Depth to PSH (feet btoc)	Depth to Water (feet btoc)	Product Pump (feet btoc)	PSH Thickness (feet)	TOC Elevation (feet)	PSH Elevation (feet)	Water Elevation (feet)
12/27/23	21.72	21.93	17.50	0.21	3384.03	3362.31	3362.10	25.05	25.47	20.00	0.42	3385.17	3360.12	3359.70	0.00	18.50	0.00	0.00	3381.86	--	3363.36
1/10/24	--	--	17.50	0.00	3384.03	--	3384.03	--	--	20.00	0.00	3385.17	--	3385.17	--	--	0.00	0.00	3381.86	--	3381.86
1/16/24	21.08	22.50	17.50	1.42	3384.03	3362.95	3361.53	24.25	25.93	20.00	1.68	3385.17	3360.92	3359.24	--	18.15	0.00	0.00	3381.86	--	3363.71
1/23/24	--	--	17.50	0.00	3384.03	--	3384.03	--	--	20.00	0.00	3385.17	--	3385.17	--	--	0.00	0.00	3381.86	--	3381.86
1/30/24	--	--	17.50	0.00	3384.03	--	3384.03	--	--	20.00	0.00	3385.17	--	3385.17	--	--	0.00	0.00	3381.86	--	3381.86
2/6/24	21.50	22.90	17.50	1.40	3384.03	3362.53	3361.13	25.00	25.35	20.00	0.35	3385.17	3360.17	3359.82	--	17.37	0.00	0.00	3381.86	--	3364.49
2/13/24	--	--	17.50	0.00	3384.03	--	3384.03	--	--	20.00	0.00	3385.17	--	3385.17	--	--	0.00	0.00	3381.86	--	3381.86
2/20/24	21.30	21.70	17.50	0.40	3384.03	3362.73	3362.33	25.40	25.45	20.00	0.05	3385.17	3359.77	3359.72	--	17.45	0.00	0.00	3381.86	--	3364.41
2/27/24	--	--	17.50	0.00	3384.03	--	3384.03	--	--	20.00	0.00	3385.17	--	3385.17	--	--	0.00	0.00	3381.86	--	3381.86
3/5/24	--	--	17.50	0.00	3384.03	--	3384.03	--	--	20.00	0.00	3385.17	--	3385.17	--	--	0.00	0.00	3381.86	--	3381.86
3/12/24	--	--	17.50	0.00	3384.03	--	3384.03	--	--	20.00	0.00	3385.17	--	3385.17	-	-	0.00	0.00	3381.86	-	3381.86
3/20/24	22.00	22.65	17.50	0.65	3384.03	3362.03	3361.38	27.10	27.95	20.00	0.85	3385.17	3358.07	3357.22	--	17.95	0.00	0.00	3381.86	--	3363.91
3/26/24	--	--	17.50	0.00	3384.03	--	3384.03	--	--	20.00	0.00	3385.17	--	3385.17	--	--	0.00	0.00	3381.86	--	3381.86
4/2/24	--	--	17.50	0.00	3384.03	--	3384.03	--	--	20.00	0.00	3385.17	--	3385.17	--	--	0.00	0.00	3381.86	--	3381.86
4/11/24	20.15	20.30	17.50	0.15	3384.03	3363.88	3363.73	25.00	25.55	20.00	0.55	3385.17	3360.17	3359.62	16.95	16.96	0.00	0.01	3381.86	3364.91	3364.90
4/16/24	18.00	18.17	17.50	0.17	3384.03	3366.03	3365.86	27.00	28.15	20.00	1.15	3385.17	3358.17	3357.02	16.76	16.77	0.00	0.01	3381.86	3365.10	3365.09
4/23/24	--	--	17.50	0.00	3384.03	--	3384.03	--	--	20.00	0.00	3385.17	--	3385.17	--	--	0.00	0.00	3381.86	--	3381.86
4/30/24	--	--	17.50	0.00	3384.03	--	3384.03	--	--	20.00	0.00	3385.17	--	3385.17	--	--	0.00	0.00	3381.86	--	3381.86
5/2/24	21.82	21.83	17.50	0.01	3384.03	3362.21	3362.20	26.23	28.20	20.00	1.97	3385.17	3358.94	3356.97	--	21.15	0.00	0.00	3381.86	--	3360.71
5/14/24	--	--	17.50	0.00	3384.03	--	3384.03	--	--	20.00	0.00	3385.17	--	3385.17	--	--	0.00	0.00	3381.86	--	3381.86
5/21/24	--	--	17.50	0.00	3384.03	--	3384.03	--	--	20.00	0.00	3385.17	--	3385.17	--	--	0.00	0.00	3381.86	--	3381.86
5/28/24	--	--	17.50	0.00	3384.03	--	3384.03	--	--	20.00	0.00	3385.17	--	3385.17	--	--	0.00	0.00	3381.86	--	3381.86
6/4/24	--	21.12	17.50	0.00	3384.03	--	3362.91	26.32	27.83	20.00	1.51	3385.17	3358.85	3357.34	--	21.52	0.00	0.00	3381.86	--	3360.34
6/11/24	--	--	17.50	0.00	3384.03	--	3384.03	--	--	20.00	0.00	3385.17	--	3385.17	--	--	0.00	0.00	3381.86	--	3381.86
6/19/24	--	21.61	17.50	0.00	3384.03	--	3362.42	25.68	25.92	20.00	0.24	3385.17	3359.49	3359.25	--	21.73	0.00	0.00	3381.86	--	3360.13
6/25/24	--	--	17.50	0.00	3384.03	--	3384.03	--	--	20.00	0.00	3385.17	--	3385.17	--	--	0.00	0.00	3381.86	--	3381.86
7/2/24	20.96	21.01	17.50	0.05	3384.03	3363.07	3363.02	--	17.03	20.00	0.00	3385.17	--	3368.14	--	15.21	0.00	0.00	3381.86	--	3366.65
7/9/24	20.98	21.05	17.50	0.07	3384.03	3363.05	3362.98	--	17.05	20.00	0.00	3385.17	--	3368.12	--	15.25	0.00	0.00	3381.86	--	3366.61
7/16/24	--	--	17.50	0.00	3384.03	--	3384.03	--	--	20.00	0.00	3385.17	--	3385.17	--	--	0.00	0.00	3381.86	--	3381.86
7/23/24	--	--	17.50	0.00	3384.03	--	3384.03	--	--	20.00	0.00	3385.17	--	3385.17	--	--	0.00	0.00	3381.86	--	3381.86
7/30/24	--	--	17.50	0.00	3384.03	--	3384.03	--	--	20.00	0.00	3385.17	--	3385.17	--	--	0.00	0.00	3381.86	--	3381.86
8/6/24	--	--	17.50	0.00	3384.03	--	3384.03	--	--	20.00	0.00	3385.17	--	3385.17	--	--	0.00	0.00	3381.86	--	3381.86
8/13/24	--	--	17.50	0.00	3384.03	--	3384.03	--	--	20.00	0.00	3385.17	--	3385.17	--	--	0.00	0.00	3381.86	--	3381.86
8/20/24	15.69	17.90	17.50	2.21	3384.03	3368.34	3366.13	25.02	25.35	20.00	0.33	3385.17	3360.15	3359.82	--	22.71	0.00	0.00	3381.86	--	3359.15
8/27/24	--	--	17.50	0.00	3384.03	--	3384.03	--	--	20.00	0.00	3385.17	--	3385.17	--	--	0.00	0.00	3381.86	--	3381.86
9/3/24	13.62	15.35	17.50	1.73	3384.03	3370.41	3368.68	--	24.53	20.00	0.00	3385.17	--	3360.64	--	23.09	0.00	0.00	3381.86	--	3358.77
9/10/24	--	--	17.50	0.00	3384.03	--	3384.03	--	--	20.00	0.00	3385.17	--	3385.17	--	--	0.00	0.00	3381.86	--	3381.86
9/17/24	--	--	17.50	0.00	3384.03	--	3384.03	--	--	20.00	0.00	3385.17	--	3385.17	--	--	0.00	0.00	3381.86	--	3381.86
9/24/24	--	--	17.50	0.00	3384.03	--	3384.03	--	--	20.00	0.00	3385.17	--	3385.17	--	--	0.00	0.00	3381.86	--	3381.86
10/1/24	--	--	17.50	0.00	3384.03	--	3384.03	--	--	20.00	0.00	3385.17	--	3385.17	--	--	0.00	0.00	3381.86	--	3381.86
10/8/24	--	20.75	17.50	0.00	3384.03	--	3363.28	25.45	25.54	20.00	0.09	3385.17	3359.72	3359.63	--	22.90	0.00	0.00	3381.86	--	3358.96
10/15/24	--	21.15	17.50	0.00	3384.03	--	3362.88	24.70	26.80	20.00	2.10	3385.17	3360.47	3358.37	--	15.38	0.00	0.00	3381.86	--	3366.48
10/22/24	--	--	17.50	0.00	3384.03	--	3384.03	--	--	20.00	0.00	3385.17	--	3385.17	--	--	0.00	0.00	3381.86	--	3381.86
10/30/24	14.70	16.42	17.50	1.72	3384.03	3369.33	3367.61	--	16.48	20.00	0.00	3385.17	--	3368.69	--	15.20	0.00	0.00	3381.86	--	3366.66
11/5/24	--	--	17.50	0.00	3384.03	--	3384.03	--	--	20.00	0.00	3385.17	--	3385.17	--	--	0.00	0.00	3381.86	--	3381.86
11/12/24	14.28	15.75	17.50	1.47	3384.03	3369.75	3368.28	--	16.02	20.00	0.00	3385.17	--	3369.15	--	15.20	0.00	0.00	3381.86	--	3366.66
11/19/24	--	--	17.50	0.00	3384.03	--	3384.03	--	--	20.00	0.00	3385.17	--	3385.17	--	--	0.00	0.00	3381.86	--	3381.86
11/26/24	--	--	17.50	0.00	3384.03	--	3384.03	--	--	20.00	0.00	3385.17	--	3385.17	--	--	0.00	0.00	3381.86	--	3381.86
12/3/24	13.74	15.28	17.50	1.54	3384.03	3370.29	3368.75	--	15.56	20.00	0.00	3385.17	--	3369.61	--	15.40	0.00	0.00	3381.86	--	3366.46
12/10/24	--	--	17.50	0.00	3384.03	--	3384.03	--	--	20.00	0.00	3385.17	--	3385.17	--	--	0.00	0.00	3381.86	--	3381.86
12/17/24	--	--	17.50	0.00	3384.03	--	3384.03	--	--	20.00	0.00	3385.17	--	3385.17	--	--	0.00	0.00	3381.86	--	3381.86
12/24/24	--	--	17.50	0.00	3384.03	--	3384.03	--	--	20.00	0.00	3385.17	--	3385.17	--	--	0.00	0.00	3381.86	--	3381.86
12/31/24	13.59	15.00	17.50	1.41	3384.03	3370.44	3369.03	--	15.23	20.00	0.00	3385.17	--	3369.94	--	16.45	0.00	0.00	3381.86	--	3365.41

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Released to Imaging: 6/17/2025 4:41:11 PM

Received by OCD: 6/12/2025 1:19:15 PM

Appendix E.2 - Recovery System Gauging Data
2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, NM

Well	RW-5R							RW-6R							RW-7R						
Date:	Depth to PSH (feet btoc)	Depth to Water (feet btoc)	Product Pump (feet btoc)	PSH Thickness (feet)	TOC Elevation (feet)	PSH Elevation (feet)	Water Elevation (feet)	Depth to PSH (feet btoc)	Depth to Water (feet btoc)	Product Pump (feet btoc)	PSH Thickness (feet)	TOC Elevation (feet)	PSH Elevation (feet)	Water Elevation (feet)	Depth to PSH (feet btoc)	Depth to Water (feet btoc)	Product Pump (feet btoc)	PSH Thickness (feet)	TOC Elevation (feet)	PSH Elevation (feet)	Water Elevation (feet)
12/27/23	18.00	18.30	21.00	0.30	3385.56	3367.56	3367.26	0.00	14.79	22.50	0.00	3385.36	--	3370.57	16.54	17.85	21.00	1.31	3384.09	3367.55	3366.24
1/10/24	--	--	21.00	0.00	3385.56	--	3385.56	--	--	22.50	0.00	3385.36	--	3385.36	--	--	21.00	0.00	3384.09	--	3384.09
1/16/24	17.92	19.00	21.00	1.08	3385.56	3367.64	3366.56	--	14.90	22.50	0.00	3385.36	--	3370.46	16.30	18.90	21.00	2.60	3384.09	3367.79	3365.19
1/23/24	--	--	21.00	0.00	3385.56	--	3385.56	--	--	22.50	0.00	3385.36	--	3385.36	--	--	21.00	0.00	3384.09	--	3384.09
1/30/24	--	--	21.00	0.00	3385.56	--	3385.56	--	--	22.50	0.00	3385.36	--	3385.36	--	--	21.00	0.00	3384.09	--	3384.09
2/6/24	--	--	21.00	0.00	3385.56	--	3385.56	--	14.92	22.50	0.00	3385.36	--	3370.44	16.65	17.34	21.00	0.69	3384.09	3367.44	3366.75
2/13/24	17.70	17.80	21.00	0.10	3385.56	3367.86	3367.76	--	--	22.50	0.00	3385.36	--	3385.36	--	--	21.00	0.00	3384.09	--	3384.09
2/20/24	23.30	23.60	21.00	0.30	3385.56	3362.26	3361.96	--	14.75	22.50	0.00	3385.36	--	3370.61	17.40	17.45	21.00	0.05	3384.09	3366.69	3366.64
2/27/24	--	--	21.00	0.00	3385.56	--	3385.56	--	--	22.50	0.00	3385.36	--	3385.36	--	--	21.00	0.00	3384.09	--	3384.09
3/5/24	--	--	21.00	0.00	3385.56	--	3385.56	--	--	22.50	0.00	3385.36	--	3385.36	--	--	21.00	0.00	3384.09	--	3384.09
3/12/24	-	-	21.00	0.00	3385.56	--	3385.56	--	--	22.50	0.00	3385.36	--	3385.36	--	--	21.00	0.00	3384.09	--	3384.09
3/20/24	22.80	24.75	21.00	1.95	3385.56	3362.76	3360.81	15.30	15.54	22.50	0.24	3385.36	3370.06	3369.82	17.10	17.61	21.00	0.51	3384.09	3366.99	3366.48
3/26/24	--	--	21.00	0.00	3385.56	--	3385.56	--	--	22.50	0.00	3385.36	--	3385.36	--	--	21.00	0.00	3384.09	--	3384.09
4/2/24	--	--	21.00	0.00	3385.56	--	3385.56	--	--	22.50	0.00	3385.36	--	3385.36	--	--	21.00	0.00	3384.09	--	3384.09
4/11/24	21.63	23.82	21.00	2.19	3385.56	3363.93	3361.74	--	24.79	22.50	0.00	3385.36	--	3360.57	17.23	17.95	21.00	0.72	3384.09	3366.86	3366.14
4/16/24	21.75	22.07	21.00	0.32	3385.56	3363.81	3363.49	--	24.07	22.50	0.00	3385.36	--	3361.29	18.15	22.87	21.00	4.72	3384.09	3365.94	3361.22
4/23/24	--	--	21.00	0.00	3385.56	--	3385.56	--	--	22.50	0.00	3385.36	--	3385.36	--	--	21.00	0.00	3384.09	--	3384.09
4/30/24	--	--	21.00	0.00	3385.56	--	3385.56	--	--	22.50	0.00	3385.36	--	3385.36	--	--	21.00	0.00	3384.09	--	3384.09
5/2/24	21.81	21.91	21.00	0.10	3385.56	3363.75	3363.65	23.23	23.45	22.50	0.22	3385.36	3362.13	3361.91	17.71	21.31	21.00	3.60	3384.09	3366.38	3362.78
5/14/24	--	--	21.00	0.00	3385.56	--	3385.56	--	--	22.50	0.00	3385.36	--	3385.36	--	--	21.00	0.00	3384.09	--	3384.09
5/21/24	--	--	21.00	0.00	3385.56	--	3385.56	--	--	22.50	0.00	3385.36	--	3385.36	--	--	21.00	0.00	3384.09	--	3384.09
5/28/24	--	--	21.00	0.00	3385.56	--	3385.56	--	--	22.50	0.00	3385.36	--	3385.36	--	--	21.00	0.00	3384.09	--	3384.09
6/4/24	23.54	25.71	21.00	2.17	3385.56	3362.02	3359.85	16.24	16.83	22.50	0.59	3385.36	3369.12	3368.53	18.75	20.32	21.00	1.57	3384.09	3365.34	3363.77
6/11/24	--	--	21.00	0.00	3385.56	--	3385.56	--	--	22.50	0.00	3385.36	--	3385.36	--	--	21.00	0.00	3384.09	--	3384.09
6/19/24	18.80	20.69	21.00	1.89	3385.56	3366.76	3364.87	22.81	23.92	22.50	1.11	3385.36	3362.55	3361.44	18.15	21.62	21.00	3.47	3384.09	3365.94	3362.47
6/25/24	--	--	21.00	0.00	3385.56	--	3385.56	--	--	22.50	0.00	3385.36	--	3385.36	--	--	21.00	0.00	3384.09	--	3384.09
7/2/24	18.76	19.80	21.00	1.04	3385.56	3366.80	3365.76	23.65	23.78	22.50	0.13	3385.36	3361.71	3361.58	17.45	18.53	21.00	1.08	3384.09	3366.64	3365.56
7/9/24	18.75	19.83	21.00	1.08	3385.56	3366.81	3365.73	23.67	23.80	22.50	0.13	3385.36	3361.69	3361.56	17.40	18.61	21.00	1.21	3384.09	3366.69	3365.48
7/16/24	--	--	21.00	0.00	3385.56	--	3385.56	--	--	22.50	0.00	3385.36	--	3385.36	--	--	21.00	0.00	3384.09	--	3384.09
7/23/24	--	--	21.00	0.00	3385.56	--	3385.56	--	--	22.50	0.00	3385.36	--	3385.36	--	--	21.00	0.00	3384.09	--	3384.09
7/30/24	--	--	21.00	0.00	3385.56	--	3385.56	--	--	22.50	0.00	3385.36	--	3385.36	--	--	21.00	0.00	3384.09	--	3384.09
8/6/24	--	--	21.00	0.00	3385.56	--	3385.56	--	--	22.50	0.00	3385.36	--	3385.36	--	--	21.00	0.00	3384.09	--	3384.09
8/13/24	--	--	21.00	0.00	3385.56	--	3385.56	--	--	22.50	0.00	3385.36	--	3385.36	--	--	21.00	0.00	3384.09	--	3384.09
8/20/24	18.40	20.35	21.00	1.95	3385.56	3367.16	3365.21	23.35	23.82	22.50	0.47	3385.36	3362.01	3361.54	17.25	18.75	21.00	1.50	3384.09	3366.84	3365.34
8/27/24	--	--	21.00	0.00	3385.56	--	3385.56	--	--	22.50	0.00	3385.36	--	3385.36	--	--	21.00	0.00	3384.09	--	3384.09
9/3/24	19.22	20.20	21.00	0.98	3385.56	3366.34	3365.36	23.10	23.65	22.50	0.55	3385.36	3362.26	3361.71	15.80	16.38	21.00	0.58	3384.09	3368.29	3367.71
9/10/24	--	--	21.00	0.00	3385.56	--	3385.56	--	--	22.50	0.00	3385.36	--	3385.36	--	--	21.00	0.00	3384.09	--	3384.09
9/17/24	--	--	21.00	0.00	3385.56	--	3385.56	--	--	22.50	0.00	3385.36	--	3385.36	--	--	21.00	0.00	3384.09	--	3384.09
9/24/24	--	--	21.00	0.00	3385.56	--	3385.56	--	--	22.50	0.00	3385.36	--	3385.36	--	--	21.00	0.00	3384.09	--	3384.09
10/1/24	--	--	21.00	0.00	3385.56	--	3385.56	--	--	22.50	0.00	3385.36	--	3385.36	--	--	21.00	0.00	3384.09	--	3384.09
10/8/24	18.40	18.75	21.00	0.35	3385.56	3367.16	3366.81	22.30	22.82	22.50	0.52	3385.36	3363.06	3362.54	18.10	19.95	21.00	1.85	3384.09	3365.99	3364.14
10/15/24	18.35	18.90	21.00	0.55	3385.56	3367.21	3366.66	21.42	22.15	22.50	0.73	3385.36	3363.94	3363.21	17.97	21.12	21.00	3.15	3384.09	3366.12	3362.97
10/22/24	--	--	21.00	0.00	3385.56	--	3385.56	--	--	22.50	0.00	3385.36	--	3385.36	--	--	21.00	0.00	3384.09	--	3384.09
10/30/24	18.35	19.00	21.00	0.65	3385.56	3367.21	3366.56	19.95	21.25	22.50	1.30	3385.36	3365.41	3364.11	17.40	18.87	21.00	1.47	3384.09	3366.69	3365.22
11/5/24	--	--	21.00	0.00	3385.56	--	3385.56	--	--	22.50	0.00	3385.36	--	3385.36	--	--	21.00	0.00	3384.09	--	3384.09
11/12/24	18.25	18.94	21.00	0.69	3385.56	3367.31	3366.62	19.04	20.90	22.50	1.86	3385.36	3366.32	3364.46	16.97	18.15	21.00	1.18	3384.09	3367.12	3365.94
11/19/24	--	--	21.00	0.00	3385.56	--	3385.56	--	--	22.50	0.00	3385.36	--	3385.36	--	--	21.00	0.00	3384.09	--	3384.09
11/26/24	--	--	21.00	0.00	3385.56	--	3385.56	--	--	22.50	0.00	3385.36	--	3385.36	--	--	21.00	0.00	3384.09	--	3384.09
12/3/24	18.30	19.22	21.00	0.92	3385.56	3367.26	3366.34	21.05	21.26	22.50	0.21	3385.36	3364.31	3364.10	16.18	16.60	21.00	0.42	3384.09	3367.91	3367.49
12/10/24	--	--	21.00	0.00	3385.56	--	3385.56	--	--	22.50	0.00	3385.36	--	3385.36	--	--	21.00	0.00	3384.09	--	3384.09
12/17/24	--	--	21.00	0.00	3385.56	--	3385.56	--	--	22.50	0.00	3385.36	--	3385.36	--	--	21.00	0.00	3384.09	--	3384.09
12/24/24	--	--	21.00	0.00	3385.56	--	3385.56	--	--	22.50	0.00	3385.36	--	3385.36	--	--	21.00	0.00	3384.09	--	3384.09
12/31/24	19.44	19.45	21.00	0.01	3385.56	3366.12	3366.11	20.08	20.28	22.50	0.20	3385.36	3365.28	3365.08	16.25	17.84	21.00	1.59	3384.09	3367.84	3366.25

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Appendix E.2 - Recovery System Gauging Data
2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, NM

Well	RW-8R							RW-12R							RW-13R						
Date:	Depth to PSH (feet btoc)	Depth to Water (feet btoc)	Product Pump (feet btoc)	PSH Thickness (feet)	TOC Elevation (feet)	PSH Elevation (feet)	Water Elevation (feet)	Depth to PSH (feet btoc)	Depth to Water (feet btoc)	Product Pump (feet btoc)	PSH Thickness (feet)	TOC Elevation (feet)	PSH Elevation (feet)	Water Elevation (feet)	Depth to PSH (feet btoc)	Depth to Water (feet btoc)	Product Pump (feet btoc)	PSH Thickness (feet)	TOC Elevation (feet)	PSH Elevation (feet)	Water Elevation (feet)
12/27/23	18.17	18.88	18.50	0.71	3385.10	3366.93	3366.22	0.00	25.32	0.00	0.00	3368.54	--	3343.22	0.00	22.60	21.64	0.00	3368.54	--	3345.94
1/10/24	--	--	18.50	0.00	3385.10	--	3385.10	--	--	0.00	0.00	3368.54	--	3368.54	--	--	21.64	0.00	3368.54	--	3368.54
1/16/24	18.90	18.95	18.50	0.05	3385.10	3366.20	3366.15	--	25.20	0.00	0.00	3368.54	--	3343.34	14.48	21.92	21.64	7.44	3368.54	3354.06	3346.62
1/23/24	--	--	18.50	0.00	3385.10	--	3385.10	--	--	0.00	0.00	3368.54	--	3368.54	--	--	21.64	0.00	3368.54	--	3368.54
1/30/24	--	--	18.50	0.00	3385.10	--	3385.10	--	--	0.00	0.00	3368.54	--	3368.54	--	--	21.64	0.00	3368.54	--	3368.54
2/6/24	20.30	21.60	18.50	1.30	3385.10	3364.80	3363.50	--	26.45	0.00	0.00	3368.54	--	3342.09	24.00	24.20	21.64	0.20	3368.54	3344.54	3344.34
2/13/24	--	--	18.50	0.00	3385.10	--	3385.10	--	--	0.00	0.00	3368.54	--	3368.54	--	--	21.64	0.00	3368.54	--	3368.54
2/20/24	19.20	20.48	18.50	1.28	3385.10	3365.90	3364.62	--	26.30	0.00	0.00	3368.54	--	3342.24	--	27.35	21.64	0.00	3368.54	--	3341.19
2/27/24	--	--	18.50	0.00	3385.10	--	3385.10	--	--	0.00	0.00	3368.54	--	3368.54	--	--	21.64	0.00	3368.54	--	3368.54
3/5/24	--	--	18.50	0.00	3385.10	--	3385.10	--	--	0.00	0.00	3368.54	--	3368.54	--	--	21.64	0.00	3368.54	--	3368.54
3/12/24	--	--	18.50	0.00	3385.10	--	3385.10	--	--	0.00	0.00	3368.54	--	3368.54	--	--	21.64	0.00	3368.54	--	3368.54
3/20/24	--	18.95	18.50	0.00	3385.10	--	3366.15	27.33	28.00	0.00	0.67	3368.54	3341.21	3340.54	26.64	28.49	21.64	1.85	3368.54	3341.90	3340.05
3/26/24	--	--	18.50	0.00	3385.10	--	3385.10	--	--	0.00	0.00	3368.54	--	3368.54	--	--	21.64	0.00	3368.54	--	3368.54
4/2/24	--	--	18.50	0.00	3385.10	--	3385.10	--	--	0.00	0.00	3368.54	--	3368.54	--	--	21.64	0.00	3368.54	--	3368.54
4/11/24	19.45	21.01	18.50	1.56	3385.10	3365.65	3364.09	27.60	28.05	0.00	0.45	3368.54	3340.94	3340.49	27.69	29.89	21.64	2.20	3368.54	3340.85	3338.65
4/16/24	18.67	21.05	18.50	2.38	3385.10	3366.43	3364.05	27.65	28.08	0.00	0.43	3368.54	3340.89	3340.46	26.70	29.95	21.64	3.25	3368.54	3341.84	3338.59
4/23/24	--	--	18.50	0.00	3385.10	--	3385.10	--	--	0.00	0.00	3368.54	--	3368.54	--	--	21.64	0.00	3368.54	--	3368.54
4/30/24	--	--	18.50	0.00	3385.10	--	3385.10	--	--	0.00	0.00	3368.54	--	3368.54	--	--	21.64	0.00	3368.54	--	3368.54
5/2/24	19.32	21.65	18.50	2.33	3385.10	3365.78	3363.45	--	24.92	0.00	0.00	3368.54	--	3343.62	26.91	30.78	21.64	3.87	3368.54	3341.63	3337.76
5/14/24	--	--	18.50	0.00	3385.10	--	3385.10	--	--	0.00	0.00	3368.54	--	3368.54	--	--	21.64	0.00	3368.54	--	3368.54
5/21/24	--	--	18.50	0.00	3385.10	--	3385.10	--	--	0.00	0.00	3368.54	--	3368.54	--	--	21.64	0.00	3368.54	--	3368.54
5/28/24	--	--	18.50	0.00	3385.10	--	3385.10	--	--	0.00	0.00	3368.54	--	3368.54	--	--	21.64	0.00	3368.54	--	3368.54
6/4/24	18.32	19.75	18.50	1.43	3385.10	3366.78	3365.35	--	24.52	0.00	0.00	3368.54	--	3344.02	--	--	21.64	0.00	3368.54	--	3368.54
6/11/24	--	--	18.50	0.00	3385.10	--	3385.10	--	--	0.00	0.00	3368.54	--	3368.54	--	--	21.64	0.00	3368.54	--	3368.54
6/19/24	17.72	19.11	18.50	1.39	3385.10	3367.38	3365.99	--	--	0.00	0.00	3368.54	--	3368.54	--	22.30	21.64	0.00	3368.54	--	3346.24
6/25/24	--	--	18.50	0.00	3385.10	--	3385.10	--	--	0.00	0.00	3368.54	--	3368.54	--	--	21.64	0.00	3368.54	--	3368.54
7/2/24	17.28	18.53	18.50	1.25	3385.10	3367.82	3366.57	--	--	0.00	0.00	3368.54	--	3368.54	--	21.94	21.64	0.00	3368.54	--	3346.60
7/9/24	--	--	18.50	0.00	3385.10	--	3385.10	--	--	0.00	0.00	3368.54	--	3368.54	--	21.94	21.64	0.00	3368.54	--	3346.60
7/16/24	--	--	18.50	0.00	3385.10	--	3385.10	--	--	0.00	0.00	3368.54	--	3368.54	--	--	21.64	0.00	3368.54	--	3368.54
7/23/24	--	--	18.50	0.00	3385.10	--	3385.10	--	--	0.00	0.00	3368.54	--	3368.54	--	--	21.64	0.00	3368.54	--	3368.54
7/30/24	--	--	18.50	0.00	3385.10	--	3385.10	--	--	0.00	0.00	3368.54	--	3368.54	--	--	21.64	0.00	3368.54	--	3368.54
8/6/24	--	--	18.50	0.00	3385.10	--	3385.10	--	--	0.00	0.00	3368.54	--	3368.54	--	--	21.64	0.00	3368.54	--	3368.54
8/13/24	--	--	18.50	0.00	3385.10	--	3385.10	--	--	0.00	0.00	3368.54	--	3368.54	--	--	21.64	0.00	3368.54	--	3368.54
8/20/24	17.01	19.15	18.50	2.14	3385.10	3368.09	3365.95	--	--	0.00	0.00	3368.54	--	3368.54	19.52	19.70	21.64	0.18	3368.54	3349.02	3348.84
8/27/24	--	--	18.50	0.00	3385.10	--	3385.10	--	--	0.00	0.00	3368.54	--	3368.54	--	--	21.64	0.00	3368.54	--	3368.54
9/3/24	15.85	17.30	18.50	1.45	3385.10	3369.25	3367.80	--	--	0.00	0.00	3368.54	--	3368.54	20.85	21.20	21.64	0.35	3368.54	3347.69	3347.34
9/10/24	--	--	18.50	0.00	3385.10	--	3385.10	--	--	0.00	0.00	3368.54	--	3368.54	--	--	21.64	0.00	3368.54	--	3368.54
9/17/24	--	--	18.50	0.00	3385.10	--	3385.10	--	--	0.00	0.00	3368.54	--	3368.54	--	--	21.64	0.00	3368.54	--	3368.54
9/24/24	--	--	18.50	0.00	3385.10	--	3385.10	--	--	0.00	0.00	3368.54	--	3368.54	--	--	21.64	0.00	3368.54	--	3368.54
10/1/24	--	--	18.50	0.00	3385.10	--	3385.10	--	--	0.00	0.00	3368.54	--	3368.54	--	--	21.64	0.00	3368.54	--	3368.54
10/8/24	20.00	23.10	18.50	3.10	3385.10	3365.10	3362.00	--	--	0.00	0.00	3368.54	--	3368.54	20.05	20.18	21.64	0.13	3368.54	3348.49	3348.36
10/15/24	20.20	23.10	18.50	2.90	3385.10	3364.90	3362.00	--	--	0.00	0.00	3368.54	--	3368.54	18.40	18.90	21.64	0.50	3368.54	3350.14	3349.64
10/22/24	--	--	18.50	0.00	3385.10	--	3385.10	--	--	0.00	0.00	3368.54	--	3368.54	--	--	21.64	0.00	3368.54	--	3368.54
10/30/24	19.54	22.60	18.50	3.06	3385.10	3365.56	3362.50	--	--	0.00	0.00	3368.54	--	3368.54	21.18	21.40	21.64	0.22	3368.54	3347.36	3347.14
11/5/24	--	--	18.50	0.00	3385.10	--	3385.10	--	--	0.00	0.00	3368.54	--	3368.54	--	--	21.64	0.00	3368.54	--	3368.54
11/12/24	16.70	17.22	18.50	0.52	3385.10	3368.40	3367.88	--	--	0.00	0.00	3368.54	--	3368.54	22.15	23.27	21.64	1.12	3368.54	3346.39	3345.27
11/19/24	--	--	18.50	0.00	3385.10	--	3385.10	--	--	0.00	0.00	3368.54	--	3368.54	--	--	21.64	0.00	3368.54	--	3368.54
11/26/24	--	--	18.50	0.00	3385.10	--	3385.10	--	--	0.00	0.00	3368.54	--	3368.54	--	--	21.64	0.00	3368.54	--	3368.54
12/3/24	16.35	18.10	18.50	1.75	3385.10	3368.75	3367.00	--	--	0.00	0.00	3368.54	--	3368.54	23.50	23.73	21.64	0.23	3368.54	3345.04	3344.81
12/10/24	--	--	18.50	0.00	3385.10	--	3385.10	--	--	0.00	0.00	3368.54	--	3368.54	--	--	21.64	0.00	3368.54	--	3368.54
12/17/24	--	--	18.50	0.00	3385.10	--	3385.10	--	--	0.00	0.00	3368.54	--	3368.54	--	--	21.64	0.00	3368.54	--	3368.54
12/24/24	--	--	18.50	0.00	3385.10	--	3385.10	--	--	0.00	0.00	3368.54	--	3368.54	--	--	21.64	0.00	3368.54	--	3368.54
12/31/24	15.90	16.28	18.50	0.38	3385.10	3369.20	3368.82	--	--	0.00	0.00	3368.54	--	3368.54	25.05	--	21.64	-25.05	3368.54	3343.49	3368.54

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Appendix E.2 - Recovery System Gauging Data
2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, NM

Well	RW-14R							RW-15							RW-19						
Date:	Depth to PSH (feet btoc)	Depth to Water (feet btoc)	Product Pump (feet btoc)	PSH Thickness (feet)	TOC Elevation (feet)	PSH Elevation (feet)	Water Elevation (feet)	Depth to PSH (feet btoc)	Depth to Water (feet btoc)	Product Pump (feet btoc)	PSH Thickness (feet)	TOC Elevation (feet)	PSH Elevation (feet)	Water Elevation (feet)	Depth to PSH (feet btoc)	Depth to Water (feet btoc)	Product Pump (feet btoc)	PSH Thickness (feet)	TOC Elevation (feet)	PSH Elevation (feet)	Water Elevation (feet)
12/27/23	0.00	19.20	22.95	0.00	3366.37	'--	3347.17	0.00	0.00	0.00	0.00	3382.30	--	--	25.10	28.30	26.50	3.20	3386.11	3361.01	3357.81
1/10/24	--	--	22.95	0.00	3366.37	--	3366.37	--	--	0.00	0.00	3382.30	--	3382.3	--	--	26.50	0.00	3386.11	--	3386.11
1/16/24	15.05	19.87	22.95	4.82	3366.37	3351.32	3346.50	--	--	0.00	0.00	3382.30	--	3382.30	24.90	28.00	26.50	3.10	3386.11	3361.21	3358.11
1/23/24	--	--	22.95	0.00	3366.37	--	3366.37	--	--	0.00	0.00	3382.30	--	3382.30	--	--	26.50	0.00	3386.11	--	3386.11
1/30/24	--	--	22.95	0.00	3366.37	--	3366.37	--	--	0.00	0.00	3382.30	--	3382.30	--	--	26.50	0.00	3386.11	--	3386.11
2/6/24	20.40	20.54	22.95	0.14	3366.37	3345.97	3345.83	--	--	0.00	0.00	3382.30	--	3382.30	25.85	29.40	26.50	3.55	3386.11	3360.26	3356.71
2/13/24	--	--	22.95	0.00	3366.37	--	3366.37	--	--	0.00	0.00	3382.30	--	3382.30	--	--	26.50	0.00	3386.11	--	3386.11
2/20/24	--	20.70	22.95	0.00	3366.37	--	3345.67	--	--	0.00	0.00	3382.30	--	3382.30	25.12	28.85	27.50	3.73	3386.11	3360.99	3357.26
2/27/24	--	--	22.95	0.00	3366.37	--	3366.37	--	--	0.00	0.00	3382.30	--	3382.30	--	--	26.50	0.00	3386.11	--	3386.11
3/5/24	--	--	22.95	0.00	3366.37	--	3366.37	--	--	0.00	0.00	3382.30	--	3382.30	--	--	26.50	0.00	3386.11	--	3386.11
3/12/24	--	--	22.95	0.00	3366.37	--	3366.37	--	--	0.00	0.00	3382.30	--	3382.30	--	--	26.50	0.00	3386.11	--	3386.11
3/20/24	21.72	22.23	22.95	0.51	3366.37	3344.65	3344.14	--	--	0.00	0.00	3382.30	--	3382.30	31.90	31.98	26.50	0.08	3386.11	3354.21	3354.13
3/26/24	--	--	22.95	0.00	3366.37	--	3366.37	--	--	0.00	0.00	3382.30	--	3382.30	--	--	26.50	0.00	3386.11	--	3386.11
4/2/24	--	--	22.95	0.00	3366.37	--	3366.37	--	--	0.00	0.00	3382.30	--	3382.30	--	--	26.50	0.00	3386.11	--	3386.11
4/11/24	29.01	30.16	22.95	1.15	3366.37	3337.36	3336.21	--	--	0.00	0.00	3382.30	--	3382.30	26.10	26.11	26.50	0.01	3386.11	3360.01	3360.00
4/16/24	23.85	29.98	22.95	6.13	3366.37	3342.52	3336.39	--	--	0.00	0.00	3382.30	--	3382.30	26.18	26.22	26.50	0.04	3386.11	3359.93	3359.89
4/23/24	--	--	22.95	0.00	3366.37	--	3366.37	--	--	0.00	0.00	3382.30	--	3382.30	--	--	26.50	0.00	3386.11	--	3386.11
4/30/24	--	--	22.95	0.00	3366.37	--	3366.37	--	--	0.00	0.00	3382.30	--	3382.30	--	--	26.50	0.00	3386.11	--	3386.11
5/2/24	--	--	22.95	0.00	3366.37	--	3366.37	--	--	0.00	0.00	3382.30	--	3382.30	--	--	26.50	0.00	3386.11	--	3386.11
5/14/24	--	--	22.95	0.00	3366.37	--	3366.37	--	--	0.00	0.00	3382.30	--	3382.30	26.35	26.38	26.50	0.03	3386.11	3359.76	3359.73
5/21/24	--	--	22.95	0.00	3366.37	--	3366.37	--	--	0.00	0.00	3382.30	--	3382.30	--	--	26.50	0.00	3386.11	--	3386.11
5/28/24	--	--	22.95	0.00	3366.37	--	3366.37	--	--	0.00	0.00	3382.30	--	3382.30	--	--	26.50	0.00	3386.11	--	3386.11
6/4/24	20.20	20.28	22.95	0.08	3366.37	3346.17	3346.09	--	--	0.00	0.00	3382.30	--	3382.30	25.90	29.40	26.50	3.50	3386.11	3360.21	3356.71
6/11/24	--	--	22.95	0.00	3366.37	--	3366.37	--	--	0.00	0.00	3382.30	--	3382.30	--	--	26.50	0.00	3386.11	--	3386.11
6/19/24	19.72	19.82	22.95	0.10	3366.37	3346.65	3346.55	--	--	0.00	0.00	3382.30	--	3382.30	--	--	26.50	0.00	3386.11	--	3386.11
6/25/24	--	--	22.95	0.00	3366.37	--	3366.37	--	--	0.00	0.00	3382.30	--	3382.30	--	--	26.50	0.00	3386.11	--	3386.11
7/2/24	19.65	19.74	22.95	0.09	3366.37	3346.72	3346.63	--	--	0.00	0.00	3382.30	--	3382.30	26.03	29.75	26.50	3.72	3386.11	3360.08	3356.36
7/9/24	19.63	19.72	22.95	0.09	3366.37	3346.74	3346.65	--	--	0.00	0.00	3382.30	--	3382.30	26.07	29.79	26.50	3.72	3386.11	3360.04	3356.32
7/16/24	--	--	22.95	0.00	3366.37	--	3366.37	--	--	0.00	0.00	3382.30	--	3382.30	--	--	26.50	0.00	3386.11	--	3386.11
7/23/24	--	--	22.95	0.00	3366.37	--	3366.37	--	--	0.00	0.00	3382.30	--	3382.30	--	--	26.50	0.00	3386.11	--	3386.11
7/30/24	--	--	22.95	0.00	3366.37	--	3366.37	--	--	0.00	0.00	3382.30	--	3382.30	--	--	26.50	0.00	3386.11	--	3386.11
8/6/24	--	--	22.95	0.00	3366.37	--	3366.37	--	--	0.00	0.00	3382.30	--	3382.30	--	--	26.50	0.00	3386.11	--	3386.11
8/13/24	--	--	22.95	0.00	3366.37	--	3366.37	--	--	0.00	0.00	3382.30	--	3382.30	--	--	26.50	0.00	3386.11	--	3386.11
8/20/24	17.35	17.54	22.95	0.19	3366.37	3349.02	3348.83	--	--	0.00	0.00	3382.30	--	3382.30	26.88	29.93	26.50	3.05	3386.11	3359.23	3356.18
8/27/24	--	--	22.95	0.00	3366.37	--	3366.37	--	--	0.00	0.00	3382.30	--	3382.30	--	--	26.50	0.00	3386.11	--	3386.11
9/3/24	18.68	19.02	22.95	0.34	3366.37	3347.69	3347.35	--	--	0.00	0.00	3382.30	--	3382.30	26.90	27.00	26.50	0.10	3386.11	3359.21	3359.11
9/10/24	--	--	22.95	0.00	3366.37	--	3366.37	--	--	0.00	0.00	3382.30	--	3382.30	--	--	26.50	0.00	3386.11	--	3386.11
9/17/24	--	--	22.95	0.00	3366.37	--	3366.37	--	--	0.00	0.00	3382.30	--	3382.30	--	--	26.50	0.00	3386.11	--	3386.11
9/24/24	--	--	22.95	0.00	3366.37	--	3366.37	--	--	0.00	0.00	3382.30	--	3382.30	--	--	26.50	0.00	3386.11	--	3386.11
10/1/24	--	--	22.95	0.00	3366.37	--	3366.37	--	--	0.00	0.00	3382.30	--	3382.30	--	--	26.50	0.00	3386.11	--	3386.11
10/8/24	18.42	18.50	22.95	0.08	3366.37	3347.95	3347.87	--	--	0.00	0.00	3382.30	--	3382.30	26.91	27.00	26.50	0.09	3386.11	3359.20	3359.11
10/15/24	18.00	18.20	22.95	0.20	3366.37	3348.37	3348.17	--	--	0.00	0.00	3382.30	--	3382.30	26.90	26.97	26.50	0.07	3386.11	3359.21	3359.14
10/22/24	--	--	22.95	0.00	3366.37	--	3366.37	--	--	0.00	0.00	3382.30	--	3382.30	--	--	26.50	0.00	3386.11	--	3386.11
10/30/24	18.98	19.10	22.95	0.12	3366.37	3347.39	3347.27	--	--	0.00	0.00	3382.30	--	3382.30	26.92	27.10	26.50	0.18	3386.11	3359.19	3359.01
11/5/24	--	--	22.95	0.00	3366.37	--	3366.37	--	--	0.00	0.00	3382.30	--	3382.30	--	--	26.50	0.00	3386.11	--	3386.11
11/12/24	20.02	20.10	22.95	0.08	3366.37	3346.35	3346.27	--	--	0.00	0.00	3382.30	--	3382.30	26.90	26.95	26.50	0.05	3386.11	3359.21	3359.16
11/19/24	--	--	22.95	0.00	3366.37	--	3366.37	--	--	0.00	0.00	3382.30	--	3382.30	--	--	26.50	0.00	3386.11	--	3386.11
11/26/24	--	--	22.95	0.00	3366.37	--	3366.37	--	--	0.00	0.00	3382.30	--	3382.30	--	--	26.50	0.00	3386.11	--	3386.11
12/3/24	21.30	21.57	22.95	0.27	3366.37	3345.07	3344.80	--	--	0.00	0.00	3382.30	--	3382.30	27.15	27.21	26.50	0.06	3386.11	3358.96	3358.90
12/10/24	--	--	22.95	0.00	3366.37	--	3366.37	--	--	0.00	0.00	3382.30	--	3382.30	--	--	26.50	0.00	3386.11	--	3386.11
12/17/24	--	--	22.95	0.00	3366.37	--	3366.37	--	--	0.00	0.00	3382.30	--	3382.30	--	--	26.50	0.00	3386.11	--	3386.11
12/24/24	--	--	22.95	0.00	3366.37	--	3366.37	--	--	0.00	0.00	3382.30	--	3382.30	--	--	26.50	0.00	3386.11	--	3386.11
12/31/24	24.04	30.90	22.95	6.86	3366.37	3342.33	3335.47	--	--	0.00	0.00	3382.30	--	3382.30	--	27.19	26.50	0.00	3386.11	--	3358.92

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Appendix E.2 - Recovery System Gauging Data
2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, NM

Well	RW-20							RW-22							MW-132						
Date:	Depth to PSH (feet btoc)	Depth to Water (feet btoc)	Product Pump (feet btoc)	PSH Thickness (feet)	TOC Elevation (feet)	PSH Elevation (feet)	Water Elevation (feet)	Depth to PSH (feet btoc)	Depth to Water (feet btoc)	Product Pump (feet btoc)	PSH Thickness (feet)	TOC Elevation (feet)	PSH Elevation (feet)	Water Elevation (feet)	Depth to PSH (feet btoc)	Depth to Water (feet btoc)	Product Pump (feet btoc)	PSH Thickness (feet)	TOC Elevation (feet)	PSH Elevation (feet)	Water Elevation (feet)
12/27/23	0.00	0.00	32.00	0.00	3365.44	--	--	0.00	22.62	19.60	0.00	3366.21	--	3343.59	0.00	21.03	0.00	0.00	3366.21	--	3345.18
1/10/24	--	--	32.00	0.00	3365.44	--	3365.44	--	--	19.60	0.00	3366.21	--	3366.21	--	--	0.00	0.00	3366.21	--	3366.21
1/16/24	--	--	32.00	0.00	3365.44	--	3365.44	23.57	26.62	19.60	3.05	3366.21	3342.64	3339.59	--	--	0.00	0.00	3366.21	--	3366.21
1/23/24	--	--	32.00	0.00	3365.44	--	3365.44	--	--	19.60	0.00	3366.21	--	3366.21	--	--	0.00	0.00	3366.21	--	3366.21
1/30/24	--	--	32.00	0.00	3365.44	--	3365.44	--	--	19.60	0.00	3366.21	--	3366.21	--	--	0.00	0.00	3366.21	--	3366.21
2/6/24	--	--	32.00	0.00	3365.44	--	3365.44	24.50	25.20	19.60	0.70	3366.21	3341.71	3341.01	21.70	22.00	0.00	0.30	3366.21	3344.51	3344.21
2/13/24	--	--	32.00	0.00	3365.44	--	3365.44	--	--	19.60	0.00	3366.21	--	3366.21	--	--	0.00	0.00	3366.21	--	3366.21
2/20/24	--	--	32.00	0.00	3365.44	--	3365.44	24.70	25.80	19.60	1.10	3366.21	3341.51	3340.41	21.78	23.95	0.00	2.17	3366.21	3344.43	3342.26
2/27/24	--	--	32.00	0.00	3365.44	--	3365.44	--	--	19.60	0.00	3366.21	--	3366.21	--	--	0.00	0.00	3366.21	--	3366.21
3/5/24	--	--	32.00	0.00	3365.44	--	3365.44	--	--	19.60	0.00	3366.21	--	3366.21	--	--	0.00	0.00	3366.21	--	3366.21
3/12/24	--	--	32.00	0.00	3365.44	--	3365.44	--	--	19.60	0.00	3366.21	--	3366.21	--	--	0.00	0.00	3366.21	--	3366.21
3/20/24	--	--	32.00	0.00	3365.44	--	3365.44	25.40	27.15	19.60	1.75	3366.21	3340.81	3339.06	22.24	23.42	0.00	1.18	3366.21	3343.97	3342.79
3/26/24	--	--	32.00	0.00	3365.44	--	3365.44	--	--	19.60	0.00	3366.21	--	3366.21	--	--	0.00	0.00	3366.21	--	3366.21
4/2/24	--	--	32.00	0.00	3365.44	--	3365.44	--	--	19.60	0.00	3366.21	--	3366.21	--	--	0.00	0.00	3366.21	--	3366.21
4/11/24	--	--	32.00	0.00	3365.44	--	3365.44	25.85	27.65	19.60	1.80	3366.21	3340.36	3338.56	--	--	0.00	0.00	3366.21	--	3366.21
4/16/24	--	--	32.00	0.00	3365.44	--	3365.44	25.03	26.10	19.60	1.07	3366.21	3341.18	3340.11	--	--	0.00	0.00	3366.21	--	3366.21
4/23/24	--	--	32.00	0.00	3365.44	--	3365.44	--	--	19.60	0.00	3366.21	--	3366.21	--	--	0.00	0.00	3366.21	--	3366.21
4/30/24	--	--	32.00	0.00	3365.44	--	3365.44	--	--	19.60	0.00	3366.21	--	3366.21	--	--	0.00	0.00	3366.21	--	3366.21
5/2/24	--	--	32.00	0.00	3365.44	--	3365.44	--	--	19.60	0.00	3366.21	--	3366.21	--	--	0.00	0.00	3366.21	--	3366.21
5/14/24	--	--	32.00	0.00	3365.44	--	3365.44	20.89	21.00	19.60	0.11	3366.21	3345.32	3345.21	--	--	0.00	0.00	3366.21	--	3366.21
5/21/24	--	--	32.00	0.00	3365.44	--	3365.44	--	--	19.60	0.00	3366.21	--	3366.21	--	--	0.00	0.00	3366.21	--	3366.21
5/28/24	--	--	32.00	0.00	3365.44	--	3365.44	--	--	19.60	0.00	3366.21	--	3366.21	--	--	0.00	0.00	3366.21	--	3366.21
6/4/24	--	--	32.00	0.00	3365.44	--	3365.44	24.32	26.10	19.60	1.78	3366.21	3341.89	3340.11	--	--	0.00	0.00	3366.21	--	3366.21
6/11/24	--	--	32.00	0.00	3365.44	--	3365.44	--	--	19.60	0.00	3366.21	--	3366.21	--	--	0.00	0.00	3366.21	--	3366.21
6/19/24	--	--	32.00	0.00	3365.44	--	3365.44	--	--	19.60	0.00	3366.21	--	3366.21	--	--	0.00	0.00	3366.21	--	3366.21
6/25/24	--	--	32.00	0.00	3365.44	--	3365.44	--	--	19.60	0.00	3366.21	--	3366.21	--	--	0.00	0.00	3366.21	--	3366.21
7/2/24	--	--	32.00	0.00	3365.44	--	3365.44	19.70	19.76	19.60	0.06	3366.21	3346.51	3346.45	--	--	0.00	0.00	3366.21	--	3366.21
7/9/24	--	--	32.00	0.00	3365.44	--	3365.44	19.72	19.73	19.60	0.01	3366.21	3346.49	3346.48	--	--	0.00	0.00	3366.21	--	3366.21
7/16/24	--	--	32.00	0.00	3365.44	--	3365.44	--	--	19.60	0.00	3366.21	--	3366.21	--	--	0.00	0.00	3366.21	--	3366.21
7/23/24	--	--	32.00	0.00	3365.44	--	3365.44	--	--	19.60	0.00	3366.21	--	3366.21	--	--	0.00	0.00	3366.21	--	3366.21
7/30/24	--	--	32.00	0.00	3365.44	--	3365.44	--	--	19.60	0.00	3366.21	--	3366.21	--	--	0.00	0.00	3366.21	--	3366.21
8/6/24	--	--	32.00	0.00	3365.44	--	3365.44	--	--	19.60	0.00	3366.21	--	3366.21	--	--	0.00	0.00	3366.21	--	3366.21
8/13/24	--	--	32.00	0.00	3365.44	--	3365.44	--	--	19.60	0.00	3366.21	--	3366.21	--	--	0.00	0.00	3366.21	--	3366.21
8/20/24	--	--	32.00	0.00	3365.44	--	3365.44	--	--	19.60	0.00	3366.21	--	3366.21	--	--	0.00	0.00	3366.21	--	3366.21
8/27/24	--	--	32.00	0.00	3365.44	--	3365.44	18.55	18.60	19.60	0.05	3366.21	3347.66	3347.61	--	--	0.00	0.00	3366.21	--	3366.21
9/3/24	--	--	32.00	0.00	3365.44	--	3365.44	18.47	18.60	19.60	0.13	3366.21	3347.74	3347.61	--	--	0.00	0.00	3366.21	--	3366.21
9/10/24	--	--	32.00	0.00	3365.44	--	3365.44	--	--	19.60	0.00	3366.21	--	3366.21	--	--	0.00	0.00	3366.21	--	3366.21
9/17/24	--	--	32.00	0.00	3365.44	--	3365.44	--	--	19.60	0.00	3366.21	--	3366.21	--	--	0.00	0.00	3366.21	--	3366.21
9/24/24	--	--	32.00	0.00	3365.44	--	3365.44	--	--	19.60	0.00	3366.21	--	3366.21	--	--	0.00	0.00	3366.21	--	3366.21
10/1/24	--	--	32.00	0.00	3365.44	--	3365.44	--	--	19.60	0.00	3366.21	--	3366.21	--	--	0.00	0.00	3366.21	--	3366.21
10/8/24	--	--	32.00	0.00	3365.44	--	3365.44	17.85	17.92	19.60	0.07	3366.21	3348.36	3348.29	--	--	0.00	0.00	3366.21	--	3366.21
10/15/24	--	--	32.00	0.00	3365.44	--	3365.44	15.42	15.82	19.60	0.40	3366.21	3350.79	3350.39	--	--	0.00	0.00	3366.21	--	3366.21
10/22/24	--	--	32.00	0.00	3365.44	--	3365.44	--	--	19.60	0.00	3366.21	--	3366.21	--	--	0.00	0.00	3366.21	--	3366.21
10/30/24	--	--	32.00	0.00	3365.44	--	3365.44	--	19.17	19.60	0.00	3366.21	--	3347.04	24.94	26.97	0.00	2.03	3366.21	3341.27	3339.24
11/5/24	--	--	32.00	0.00	3365.44	--	3365.44	--	--	19.60	0.00	3366.21	--	3366.21	--	--	0.00	0.00	3366.21	--	3366.21
11/12/24	--	--	32.00	0.00	3365.44	--	3365.44	21.74	21.81	19.60	0.07	3366.21	3344.47	3344.40	--	--	0.00	0.00	3366.21	--	3366.21
11/19/24	--	--	32.00	0.00	3365.44	--	3365.44	--	--	19.60	0.00	3366.21	--	3366.21	--	--	0.00	0.00	3366.21	--	3366.21
11/26/24	--	--	32.00	0.00	3365.44	--	3365.44	--	--	19.60	0.00	3366.21	--	3366.21	--	--	0.00	0.00	3366.21	--	3366.21
12/3/24	--	--	32.00	0.00	3365.44	--	3365.44	22.05	24.12	19.60	2.07	3366.21	3344.16	3342.09	--	--	0.00	0.00	3366.21	--	3366.21
12/10/24	--	--	32.00	0.00	3365.44	--	3365.44	--	--	19.60	0.00	3366.21	--	3366.21	--	--	0.00	0.00	3366.21	--	3366.21
12/17/24	--	--	32.00	0.00	3365.44	--	3365.44	--	--	19.60	0.00	3366.21	--	3366.21	--	--	0.00	0.00	3366.21	--	3366.21
12/24/24	--	--	32.00	0.00	3365.44	--	3365.44	--	--	19.60	0.00	3366.21	--	3366.21	--	--	0.00	0.00	3366.21	--	3366.21
12/31/24	--	--	32.00	0.00	3365.44	--	3365.44	24.04	30.90	19.60	6.86	3366.21	3342.17	3335.31	--	--	0.00	0.00	3366.21	--	3366.21

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Received by OCD: 6/12/2025 1:19:15 PM

Appendix E.2 - Recovery System Gauging Data
2024 Annual Groundwater Monitoring Report
HF Sinclair Navajo Refining LLC, Artesia Refinery, Artesia, NM

Well	KWB-6						
Date:	Depth to PSH (feet btoc)	Depth to Water (feet btoc)	Product Pump (feet btoc)	PSH Thickness (feet)	TOC Elevation (feet)	PSH Elevation (feet)	Water Elevation (feet)
12/27/23	23.42	24.85	0.00	1.43	3366.21	3342.79	3341.36
1/10/24	--	--	0.00	0.00	3366.21	--	3366.21
1/16/24	--	--	0.00	0.00	3366.21	--	3366.21
1/23/24	--	--	0.00	0.00	3366.21	--	3366.21
1/30/24	--	--	0.00	0.00	3366.21	--	3366.21
2/6/24	24.10	25.33	0.00	1.23	3366.21	3342.11	3340.88
2/13/24	--	--	0.00	0.00	3366.21	--	3366.21
2/20/24	--	--	0.00	0.00	3366.21	--	3366.21
2/27/24	--	--	0.00	0.00	3366.21	--	3366.21
3/5/24	--	--	0.00	0.00	3366.21	--	3366.21
3/12/24	--	--	0.00	0.00	3366.21	--	3366.21
3/20/24	24.75	26.50	0.00	1.75	3366.21	3341.46	3339.71
3/26/24	--	--	0.00	0.00	3366.21	--	3366.21
4/2/24	--	--	0.00	0.00	3366.21	--	3366.21
4/11/24	--	--	0.00	0.00	3366.21	--	3366.21
4/16/24	--	--	0.00	0.00	3366.21	--	3366.21
4/23/24	--	--	0.00	0.00	3366.21	--	3366.21
4/30/24	--	--	0.00	0.00	3366.21	--	3366.21
5/2/24	--	--	0.00	0.00	3366.21	--	3366.21
5/14/24	--	--	0.00	0.00	3366.21	--	3366.21
5/21/24	--	--	0.00	0.00	3366.21	--	3366.21
5/28/24	--	--	0.00	0.00	3366.21	--	3366.21
6/4/24	--	--	0.00	0.00	3366.21	--	3366.21
6/11/24	--	--	0.00	0.00	3366.21	--	3366.21
6/19/24	--	--	0.00	0.00	3366.21	--	3366.21
6/25/24	--	--	0.00	0.00	3366.21	--	3366.21
7/2/24	--	--	0.00	0.00	3366.21	--	3366.21
7/9/24	--	--	0.00	0.00	3366.21	--	3366.21
7/16/24	--	--	0.00	0.00	3366.21	--	3366.21
7/23/24	--	--	0.00	0.00	3366.21	--	3366.21
7/30/24	--	--	0.00	0.00	3366.21	--	3366.21
8/6/24	--	--	0.00	0.00	3366.21	--	3366.21
8/13/24	--	--	0.00	0.00	3366.21	--	3366.21
8/20/24	--	--	0.00	0.00	3366.21	--	3366.21
8/27/24	--	--	0.00	0.00	3366.21	--	3366.21
9/3/24	--	--	0.00	0.00	3366.21	--	3366.21
9/10/24	--	--	0.00	0.00	3366.21	--	3366.21
9/17/24	--	--	0.00	0.00	3366.21	--	3366.21
9/24/24	--	--	0.00	0.00	3366.21	--	3366.21
10/1/24	--	--	0.00	0.00	3366.21	--	3366.21
10/8/24	--	--	0.00	0.00	3366.21	--	3366.21
10/15/24	--	--	0.00	0.00	3366.21	--	3366.21
10/22/24	--	--	0.00	0.00	3366.21	--	3366.21
10/30/24	--	--	0.00	0.00	3366.21	--	3366.21
11/5/24	--	--	0.00	0.00	3366.21	--	3366.21
11/12/24	25.02	27.18	0.00	2.16	3366.21	3341.19	3339.03
11/19/24	--	--	0.00	0.00	3366.21	--	3366.21
11/26/24	--	--	0.00	0.00	3366.21	--	3366.21
12/3/24	25.32	27.45	0.00	2.13	3366.21	3340.89	3338.76
12/10/24	--	--	0.00	0.00	3366.21	--	3366.21
12/17/24	--	--	0.00	0.00	3366.21	--	3366.21
12/24/24	--	--	0.00	0.00	3366.21	--	3366.21
12/31/24	--	--	0.00	0.00	3366.21	--	3366.21

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https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 473759

CONDITIONS

Operator: HF Sinclair Navajo Refining LLC ATTN: GENERAL COUNSEL Dallas, TX 75201	OGRID: 15694
	Action Number: 473759
	Action Type: [UF-DP] Discharge Permit (DISCHARGE PERMIT)

CONDITIONS

Created By	Condition	Condition Date
joel.stone	None	6/17/2025