

Solid Waste Perflourochemicals (PFCs) Evaluation
Groundwater Data
2007 and 2008 Sampling Events

CLIENT ID	Alex Rubbish DMR-1R	Alex Rubbish Duplicate DMR-1R	Alex Rubbish DMW-1R	Alex Rubbish DMW-2
Date:	2007	2007	2008	2007
Realitive Well Position	Upgradient	Upgradient	Upgradient	
AXYS ID	L9920-21	L9920-24	L11701-9	L9920-23
WORKGROUP	WG22119	WG22124	WG26521	WG22119
Sample Size	0.500 L	0.497 L	0.504 L	0.506 L
UNITS	ng/L	ng/L	ng/L	ng/L
PFBA	63.5	57.2	28.9	148
PFPeA	102	90.3	61.1	101
PFHxA	74.2	94.2	57.1	103
PFHpA	59.1	76.6	60.3	51.3
PFOA	78.1	82.8	49.5	76.8
PFNA	< 2.86	< 2.87	< 2.48	< 2.83
PFDA	< 2.77	< 2.78	< 2.48	< 2.74
PFUnA	< 3.24	< 3.26	< 2.48	< 3.20
PFDoA	< 2.48	< 2.49	< 2.48	< 2.45
PFBS	9.21	8.33	8.12	27.8
PFHxS	13.2	17.8	9.57	66.6
PFOS	< 5.60	< 5.63	< 4.96	19.7
PFOSA	< 2.26	< 2.27	< 2.48	< 2.24

NOTES:

1. ng/l: Nanograms per liter (perts per trillion(ppt))
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Solid Waste Perflourochemicals (PFCs) Evaluation
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CLIENT ID	Alex Rubbish DMW-2	Alex Rubbish DMW-3	Alex Rubbish DMW-3	Beltrami Co. MW-4
Date:	2008	2007	2008	2007
Realitive Well Position				Upgradient
AXYS ID	L11701-11	L9920-22	L11701-10	L9993-18
WORKGROUP	WG26521	WG22119	WG26521	WG22431
Sample Size	0.505 L	0.504 L	0.504 L	0.293 L
UNITS	ng/L	ng/L	ng/L	ng/L
PFBA	88	14	35.3	11.7
PFPeA	44.2	19.1	54.1	< 4.27
PFHxA	58.8	11.1	43.5	< 4.27
PFHpA	54.6	7.49	17.8	< 4.27
PFOA	189	11.1	10.5	< 4.27
PFNA	3.37	< 2.84	< 2.48	< 4.27
PFDA	< 2.48	< 2.75	< 2.48	< 4.27
PFUnA	< 2.48	< 3.21	< 2.48	< 4.27
PFDoA	< 2.48	< 2.46	< 2.48	< 4.27
PFBS	24.7	< 5.50	< 4.96	< 8.54
PFHxS	73.7	< 5.56	5.5	< 8.54
PFOS	53.2	< 5.56	< 4.96	< 8.54
PFOSA	< 2.48	< 2.24	< 2.48	< 4.27

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Solid Waste Perflourochemicals (PFCs) Evaluation
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CLIENT ID	Beltrami Co. MW-4	Beltrami Co. MW-4 Dup	Beltrami Co. MW-8	Beltrami Co. MW-8
Date:	2008	2008	2007	2008
Realitive Well Position	Upgradient	Upgradient		
AXYS ID	L11603-11	L11603-14	L9993-20	L11603-13
WORKGROUP	WG26307	WG26307	WG22431	WG26307
Sample Size	0.488 L	0.517 L	0.300 L	0.490 L
UNITS	ng/L	ng/L	ng/L	ng/L
PFBA	9.39	13	5.76	< 2.55
PFPeA	< 3.44	< 3.28	< 4.17	< 2.55
PFHxA	< 2.56	< 2.42	< 4.94	4.79
PFHpA	< 2.56	< 2.42	< 4.17	< 2.55
PFOA	< 2.56	< 2.42	< 4.17	< 2.55
PFNA	< 2.56	< 2.42	< 4.17	< 2.55
PFDA	< 2.56	< 2.42	< 4.17	< 2.55
PFUnA	< 2.56	< 2.42	< 4.17	< 2.55
PFDoA	< 2.56	< 2.42	< 4.17	< 2.55
PFBS	< 5.12	< 4.84	15.9	< 6.69
PFHxS	< 5.12	< 4.84	< 11.1	< 5.11
PFOS	< 5.12	< 4.84	< 8.34	< 5.11
PFOSA	< 2.56	< 2.42	< 4.17	< 2.55

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Solid Waste Perflourochemicals (PFCs) Evaluation
Groundwater Data
2007 and 2008 Sampling Events

CLIENT ID	Beltrami Co. MW-9	Beltrami Co. MW-9	Burnsville SLF W125R	Burnsville SLF W125R Duplicate
Date:	2007	2008	2007	2007
Realitive Well Position				
AXYS ID	L9993-19	L11603-12	L9961-16	L9961-17
WORKGROUP	WG22431	WG26307	WG22330	WG22330
Sample Size	0.295 L	0.487 L	0.202 L	0.197 L
UNITS	ng/L	ng/L	ng/L	ng/L
PFBA	< 4.24	< 2.57	R 39.0	R 39.3
PFPeA	< 4.24	< 2.57	8.1	6.39
PFHxA	< 4.24	< 2.57	7.41	7.63
PFHpA	< 4.24	< 2.57	7.85	7.31
PFOA	< 4.24	< 2.57	16.4	20
PFNA	< 4.24	< 2.57	< 6.18	< 6.34
PFDA	< 4.24	< 2.57	< 6.18	< 6.34
PFUnA	< 4.24	< 2.57	< 6.18	< 6.34
PFDoA	< 4.24	< 2.57	< 6.18	< 6.34
PFBS	< 8.48	< 5.14	< 12.4	< 12.7
PFHxS	< 8.48	< 5.14	< 12.4	< 12.7
PFOS	< 8.48	< 5.14	< 12.4	< 12.7
PFOSA	< 4.24	< 2.57	< 6.18	< 6.34

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Solid Waste Perflourochemicals (PFCs) Evaluation
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CLIENT ID	Burnsville WM W-125R	Burnsville SLF W-139	Burnsville WM W-139	Burnsville SLF W-231
Date:	2008	2007	2008	2007
Realitive Well Position				
AXYS ID	L11532-13	L9920-20	L11532-14	L9920-19
WORKGROUP	WG26121	WG22119	WG26121	WG22119
Sample Size	0.510 L	0.488 L	0.506 L	0.491 L
UNITS	ng/L	ng/L	ng/L	ng/L
PFBA	21.4	136	40	107
PFPeA	< 4.27	42.4	8.23	15.7
PFHxA	8.55	25.5	16.6	12.5
PFHpA	3.71	11.2	5.72	5.7
PFOA	7.15	65.5	24.9	56.8
PFNA	< 2.45	< 2.93	< 2.47	< 2.91
PFDA	< 2.45	< 2.84	< 2.47	< 2.82
PFUnA	< 2.45	< 3.32	< 2.47	< 3.30
PFDoA	< 2.45	< 2.54	< 2.47	< 2.53
PFBS	< 4.90	13.5	< 4.95	5.9
PFHxS	< 4.90	11.7	5.91	8.93
PFOS	5.32	57.2	46.7	24.5
PFOSA	< 2.45	< 2.31	< 2.47	3.45

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Solid Waste Perflourochemicals (PFCs) Evaluation
Groundwater Data
2007 and 2008 Sampling Events

CLIENT ID	Burnsville WM W-231	Burnsville SLF W-235	Burnsville WM W-235	City of Red Wing MW-22A
Date:	2008	2007	2008	2007
Realitive Well Position		Upgradient	Upgradient	Upgradient
AXYS ID	L11532-15	L9920-18	L11532-12	L9968-11
WORKGROUP	WG26121	WG22119	WG26121	WG22394
Sample Size	0.491 L	0.591 L	0.494 L	0.295 L
UNITS	ng/L	ng/L	ng/L	ng/L
PFBA	75.5	163	138	43.7
PFPeA	6.42	17.9	13.5	< 4.24
PFHxA	13.6	7.5	22.6	< 4.24
PFHpA	7.57	2.53	10.5	< 4.24
PFOA	60.7	9.24	23	< 4.24
PFNA	< 2.55	< 2.42	< 2.53	< 4.24
PFDA	< 2.55	< 2.34	< 2.53	< 4.24
PFUnA	< 2.55	< 2.74	< 2.53	< 4.24
PFDoA	< 2.55	< 2.10	< 2.53	< 4.24
PFBS	< 5.09	< 7.44	< 5.06	< 8.48
PFHxS	< 5.09	< 4.74	5.2	< 8.48
PFOS	16.4	5.95	< 5.06	< 8.48
PFOSA	< 2.55	< 1.91	< 2.53	< 4.24

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Solid Waste Perflourochemicals (PFCs) Evaluation
Groundwater Data
2007 and 2008 Sampling Events

CLIENT ID	City of Red Wing MW-22A	City of Red Wing MW-23A	City of Red Wing MW-23A	City of Red Wing MW-3A
Date:	2008	2007	2008	2007
Realitive Well Position	Upgradient			
AXYS ID	L11647-24	L9968-12	L11647-25	L9968-13
WORKGROUP	WG26442	WG22394	WG26442	WG22394
Sample Size	0.484 L	0.291 L	0.480 L	0.293 L
UNITS	ng/L	ng/L	ng/L	ng/L
PFBA	64.9	31.8	23.2	33
PFPeA	< 2.58	< 4.30	2.8	< 4.26
PFHxA	< 2.58	< 4.30	< 2.61	< 4.26
PFHpA	< 2.58	< 4.30	< 2.61	< 4.26
PFOA	< 2.58	< 4.30	< 2.61	< 4.26
PFNA	< 2.58	< 4.30	< 2.61	< 4.26
PFDA	< 2.58	< 4.30	< 2.61	< 4.26
PFUnA	< 2.58	< 4.30	< 2.61	< 4.26
PFDoA	< 2.58	< 4.30	< 2.61	< 4.26
PFBS	57.5	< 8.60	6.36	< 8.53
PFHxS	< 5.16	< 8.60	< 5.21	< 8.53
PFOS	< 5.16	< 8.60	< 5.21	< 8.53
PFOSA	< 2.58	< 4.30	< 2.61	< 4.26

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Solid Waste Perflourochemicals (PFCs) Evaluation
Groundwater Data
2007 and 2008 Sampling Events

CLIENT ID	City of Red Wing MW-3A	Clay Co. W-11	Clay Co. W-13	Clay Co. Sanitary W-13
Date:	2008	2007	2007	2008
Realitive Well Position			Upgradient	Upgradient
AXYS ID	L11647-26	L9993-24	L9993-26	L11603-8
WORKGROUP	WG26442	WG22431	WG22431	WG26306
Sample Size	0.492 L	0.296 L	0.300 L	0.490 L
UNITS	ng/L	ng/L	ng/L	ng/L
PFBA	60.3	12.6	< 4.17	< 2.55
PFPeA	< 2.54	< 4.22	< 4.17	< 2.55
PFHxA	< 2.54	8.28	< 4.17	< 2.55
PFHpA	< 2.54	5.74	< 4.17	< 2.55
PFOA	3.37	5.38	< 4.17	< 2.55
PFNA	< 2.54	< 4.22	< 4.17	< 2.55
PFDA	< 2.54	< 4.22	< 4.17	< 2.55
PFUnA	< 2.54	< 4.22	< 4.17	< 2.55
PFDoA	< 2.54	< 4.22	< 4.17	< 2.55
PFBS	< 5.08	< 8.44	< 8.34	< 5.11
PFHxS	< 5.08	< 8.44	< 8.34	< 5.11
PFOS	8.86	< 8.44	< 8.34	< 5.11
PFOSA	3.17	< 4.22	< 4.17	< 2.55

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Solid Waste Perflourochemicals (PFCs) Evaluation
Groundwater Data
2007 and 2008 Sampling Events

CLIENT ID	Clay Co. W-15	Clay Co. Sanitary W-15	Cross Lake Demo MW-1	Cross Lake Demo MW-1
Date:	2007	2008	2007	2008
Realitive Well Position			Upgradient	Upgradient
AXYS ID	L9993-25	L11603-7	L9920-28	L11701-21
WORKGROUP	WG22431	WG26306	WG22124	WG26522
Sample Size	0.305 L	0.493 L	0.491 L	0.499 L
UNITS	ng/L	ng/L	ng/L	ng/L
PFBA	< 4.10	3.23	< 2.95	< 2.51
PFPeA	< 4.10	< 6.98	< 2.59	< 2.51
PFHxA	< 4.10	< 2.54	< 2.67	< 2.51
PFHpA	< 4.10	4.13	< 2.67	< 2.51
PFOA	< 4.10	8.12	< 2.46	< 2.51
PFNA	< 4.10	< 2.54	< 2.91	< 2.51
PFDA	< 4.10	< 2.54	< 2.82	< 2.51
PFUnA	< 4.10	< 2.54	< 3.30	< 2.51
PFDoA	< 4.10	< 2.54	< 2.52	< 2.51
PFBS	< 8.20	< 5.07	< 5.64	< 5.01
PFHxS	< 8.20	< 5.07	< 5.70	< 5.01
PFOS	< 8.20	< 5.07	< 5.70	< 5.01
PFOSA	< 4.10	< 2.54	< 2.30	< 2.51

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Solid Waste Perflourochemicals (PFCs) Evaluation
Groundwater Data
2007 and 2008 Sampling Events

CLIENT ID	Cross Lake Demo MW-4	Cross Lake Demo MW-4	Demo LF Serv. DMW-1	Demo LF Serv. DMW-1
Date:	2007	2008	2007	2008
Realitive Well Position			Upgradient	Upgradient
AXYS ID	L9920-29	L11701-22	L9924-10	L11532-4 (A)
WORKGROUP	WG22124	WG26522	WG22125	WG26121
Sample Size	0.486 L	0.497 L	0.502 L	0.195 L
UNITS	ng/L	ng/L	ng/L	ng/L
PFBA	R 17.3	8.54	32.2	49.1
PFPeA	42.1	18.6	7.29	28.6
PFHxA	19.7	14.7	13.7	40.3
PFHpA	6.5	8.36	4.85	12.5
PFOA	5.29	5.02	6.47	11.8
PFNA	< 2.94	< 2.52	< 2.85	< 10.5
PFDA	< 2.85	< 2.52	< 2.76	< 6.41
PFUnA	< 3.34	< 2.52	< 3.22	< 6.41
PFDoA	< 2.55	< 2.52	< 2.47	< 6.41
PFBS	< 5.70	< 5.03	< 15.8	< 12.8
PFHxS	< 5.76	< 5.03	53.1	50.1
PFOS	< 5.76	< 5.03	< 6.22	< 12.8
PFOSA	< 2.33	< 2.52	< 2.25	< 6.41

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Solid Waste Perflourochemicals (PFCs) Evaluation
Groundwater Data
2007 and 2008 Sampling Events

CLIENT ID	Demo LF Serv. DMW-5	Demo LF Serv. DMW-5	Demo LF Serv. DMW-6	Demo LF Serv. DMW-6
Date:	2007	2008	2007	2008
Realitive Well Position				
AXYS ID	L9924-12	L11532-6	L9924-11	L11532-5
WORKGROUP	WG22125	WG26121	WG22125	WG26121
Sample Size	0.498 L	0.505 L	0.491 L	0.509 L
UNITS	ng/L	ng/L	ng/L	ng/L
PFBA	38.9	7.29	5.49	< 2.46
PFPeA	18.9	3.73	< 2.59	< 2.46
PFHxA	55.3	11.4	< 2.67	< 2.46
PFHpA	5.74	< 2.47	< 2.67	< 2.46
PFOA	< 2.43	< 2.47	< 2.47	< 2.46
PFNA	< 2.87	< 2.47	< 2.91	< 2.46
PFDA	< 2.78	< 2.47	< 2.82	< 2.46
PFUnA	< 3.25	< 2.47	< 3.30	< 2.46
PFDoA	< 2.49	< 2.47	< 2.53	< 2.46
PFBS	16.8	< 4.95	< 5.65	< 4.91
PFHxS	6.28	< 4.95	< 5.71	< 4.91
PFOS	< 5.62	< 4.95	< 5.71	< 4.91
PFOSA	< 2.27	< 2.47	< 2.30	< 2.46

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Solid Waste Perflourochemicals (PFCs) Evaluation
Groundwater Data
2007 and 2008 Sampling Events

CLIENT ID	DKV Demo MW-1	DKV Demo MW-1	DKV Demo MW-3	DKV Demo MW-3
Date:	2007	2008	2007	2008
Realitive Well Position	Upgradient	Upgradient		
AXYS ID	L9924-14	L11970-4	L9924-15	L11970-6
WORKGROUP	WG22125	WG27121	WG22125	WG27121
Sample Size	0.493 L	0.504 L	0.500 L	0.504 L
UNITS	ng/L	ng/L	ng/L	ng/L
PFBA	7.36	13.4	15.1	11.9
PFPeA	< 2.58	< 2.48	< 2.54	< 2.48
PFHxA	< 2.66	< 2.48	< 2.62	< 2.48
PFHpA	< 2.66	< 2.48	< 2.62	< 2.48
PFOA	< 2.45	< 2.48	< 2.42	< 2.48
PFNA	< 2.90	< 2.48	< 2.86	< 2.48
PFDA	< 2.81	< 2.48	< 2.77	< 2.48
PFUnA	< 3.29	< 2.48	< 3.24	< 2.48
PFDoA	< 2.52	< 2.48	< 2.48	< 2.48
PFBS	< 5.62	< 4.96	< 5.54	< 4.96
PFHxS	< 5.68	< 4.96	< 5.60	< 4.96
PFOS	< 5.68	< 4.96	< 5.60	< 4.96
PFOSA	< 2.29	< 2.48	< 2.26	< 2.48

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Solid Waste Perflourochemicals (PFCs) Evaluation
Groundwater Data
2007 and 2008 Sampling Events

CLIENT ID	DKV Demo MW-4	DKV Demo MW-4	Elk River 22-OWA	Elk River 22-OWA
Date:	2007	2008	2007	2008
Realitive Well Position			Upgradient	Upgradient
AXYS ID	L9924-13	L11970-5	L9961-23	L11532-7
WORKGROUP	WG22125	WG27121	WG22186	WG26121
Sample Size	0.495 L	0.504 L	0.302 L	0.503 L
UNITS	ng/L	ng/L	ng/L	ng/L
PFBA	58.8	13.5	95.8	83.4
PFPeA	3.82	2.76	14.6	13.6
PFHxA	< 2.64	3.69	7.96	15.1
PFHpA	< 2.64	< 2.48	< 4.13	< 2.48
PFOA	< 2.44	< 2.48	< 4.13	< 2.48
PFNA	< 2.89	< 2.48	< 4.13	< 2.48
PFDA	< 2.80	< 2.48	< 4.13	< 2.48
PFUnA	< 3.27	< 2.48	< 4.13	< 2.48
PFDoA	< 2.50	< 2.48	< 4.13	< 2.48
PFBS	< 5.59	< 4.96	< 8.27	< 4.97
PFHxS	< 5.65	< 4.96	< 8.27	< 4.97
PFOS	< 5.65	< 4.96	< 8.27	< 4.97
PFOSA	< 2.28	< 2.48	< 4.13	< 2.48

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Solid Waste Perflourochemicals (PFCs) Evaluation
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2007 and 2008 Sampling Events

CLIENT ID	Elk River P-29C	Elk River P-29C	Elk River P-29C (Duplicate)	Elk River P-310C
Date:	2007	2008	2008	2007
Realitive Well Position				
AXYS ID	L9961-24	L11532-8 (A)	WG26121-105 (DUP L11532-8)	L9961-26
WORKGROUP	WG22348	WG26121	WG26121	WG22348
Sample Size	0.309 L	0.258 L	0.243 L	0.307 L
UNITS	ng/L	ng/L	ng/L	ng/L
PFBA	42.5	35.5	31.7	< 4.07
PFPeA	6.29	5.67	< 5.14	< 4.07
PFHxA	11.3	14.9	12.3	< 4.07
PFHpA	< 4.05	< 4.85	< 5.14	< 4.07
PFOA	4.57	< 4.85	< 5.14	< 4.07
PFNA	< 4.05	< 4.85	< 5.14	< 4.07
PFDA	< 4.05	< 4.85	< 5.14	< 4.07
PFUnA	< 4.05	< 4.85	< 5.14	< 4.07
PFDoA	< 4.05	< 4.85	< 5.14	< 4.07
PFBS	< 8.10	< 9.70	< 10.3	< 8.15
PFHxS	< 8.10	< 9.70	< 10.3	< 8.15
PFOS	< 8.10	< 9.70	< 10.3	< 8.15
PFOSA	< 4.05	< 4.85	< 5.14	< 4.07

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2007 and 2008 Sampling Events

CLIENT ID	Elk River P-310C	Elk River P-313C	Elk River P-313C	Glenwood Demo MW-1
Date:	2008	2007	2008	2007
Realitive Well Position				Upgradient
AXYS ID	L11532-10	L9961-25	L11532-9	L9920-33
WORKGROUP	WG26121	WG22348	WG26121	WG22124
Sample Size	0.508 L	0.296 L	0.499 L	0.493 L
UNITS	ng/L	ng/L	ng/L	ng/L
PFBA	3.26	31	61.2	4.98
PFPeA	< 2.46	7.96	18.3	2.74
PFHxA	< 2.46	9.72	38	< 2.66
PFHpA	< 2.46	< 4.22	8.83	< 2.66
PFOA	< 2.46	5.81	16.4	< 2.46
PFNA	< 2.46	< 4.22	< 2.51	< 2.90
PFDA	< 2.46	< 4.22	< 2.51	< 2.81
PFUnA	< 2.46	< 4.22	< 2.51	< 3.29
PFDoA	< 2.46	< 4.22	< 2.51	< 2.52
PFBS	< 4.92	< 8.43	< 5.01	< 5.62
PFHxS	< 4.92	< 8.43	6.72	< 5.68
PFOS	< 4.92	< 8.43	< 5.01	< 5.68
PFOSA	< 2.46	< 4.22	< 2.51	< 2.29

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Groundwater Data
2007 and 2008 Sampling Events

CLIENT ID	Glenwood Demo MW-1	Glenwood Demo MW-3	Glenwood Demo MW-3	Glenwood Demo MW-4
Date:	2008	2007	2008	2007
Realitive Well Position	Upgradient			
AXYS ID	L12039-21	L9920-35	L12039-23 (A)	L9920-34
WORKGROUP	WG27270	WG22124	WG27270	WG22124
Sample Size	0.510 L	0.489 L	0.499 L	0.487 L
UNITS	ng/L	ng/L	ng/L	ng/L
PFBA	6.94	30	<4.90	7.94
PFPeA	17.9	108	21.4	7.96
PFHxA	20.6	43.9	12.5	5.72
PFHpA	5.33	< 2.68	< 2.51	< 2.69
PFOA	2.88	< 2.47	< 2.51	< 2.48
PFNA	< 2.45	< 2.92	< 2.51	< 2.94
PFDA	< 2.45	< 2.83	< 2.51	< 2.84
PFUnA	< 2.45	< 3.31	< 2.51	< 3.33
PFDoA	< 2.45	< 2.53	< 2.51	< 2.55
PFBS	< 4.90	12.3	< 5.01	< 5.69
PFHxS	17.7	< 5.72	< 5.01	< 5.75
PFOS	< 4.90	< 5.72	< 5.01	< 5.75
PFOSA	< 2.45	< 2.31	< 2.51	< 2.32

NOTES:

1. ng/l: Nanograms per liter (perts per trillion(ppt))
2. Relative Well Position for all sampling points is downgradient of the facility unless otherwise noted

Solid Waste Perflourochemicals (PFCs) Evaluation
Groundwater Data
2007 and 2008 Sampling Events

CLIENT ID	Glenwood Demo MW-4	Hengel Demo MW-11	Hengel Demo MW-11	Hengel Demo MW-12
Date:	2008	2007	2008	2007
Realitive Well Position		Upgradient	Upgradient	
AXYS ID	L12039-22	L9920-27	L11701-31	L9920-25
WORKGROUP	WG27270	WG22124	WG26522	WG22124
Sample Size	0.501 L	0.486 L	0.470 L	0.501 L
UNITS	ng/L	ng/L	ng/L	ng/L
PFBA	4.86	< 2.98	< 2.66	R 14.5
PFPeA	< 2.50	< 2.61	< 2.66	15.6
PFHxA	< 2.50	< 2.70	< 2.66	11.5
PFHpA	< 2.50	< 2.70	< 2.66	5.08
PFOA	< 2.50	< 2.49	< 2.66	3.14
PFNA	< 2.50	< 2.94	< 2.66	< 2.86
PFDA	< 2.50	< 2.85	< 2.66	< 2.77
PFUnA	< 2.50	< 3.33	< 2.66	< 3.24
PFDoA	< 2.50	< 2.55	< 2.66	< 2.48
PFBS	< 4.99	< 5.70	< 5.32	< 5.53
PFHxS	< 4.99	< 5.76	< 5.32	14.9
PFOS	< 4.99	< 5.76	< 5.32	< 5.59
PFOSA	< 2.50	< 2.33	< 2.66	< 2.26

NOTES:

1. ng/l: Nanograms per liter (perts per trillion(ppt))
2. Relative Well Position for all sampling points is downgradient of the facility unless otherwise noted

Solid Waste Perflourochemicals (PFCs) Evaluation
Groundwater Data
2007 and 2008 Sampling Events

CLIENT ID	Hengel Demo MW-12	Hengel Demo MW-7	Hengel Demo MW-7	Hubbard Co. MW-1
Date:	2008	2007	2008	2007
Realitive Well Position				Upgradient
AXYS ID	L11701-29	L9920-26	L11701-30	L9993-15
WORKGROUP	WG26522	WG22124	WG26522	WG22431
Sample Size	0.479 L	0.477 L	0.489 L	0.298 L
UNITS	ng/L	ng/L	ng/L	ng/L
PFBA	7.96	8.71	7.86	< 4.20
PFPeA	< 2.61	20.6	11.4	< 4.20
PFHxA	< 2.61	24.9	19.8	< 4.20
PFHpA	< 2.61	14.3	18.6	< 4.20
PFOA	< 2.61	12.5	14.8	< 4.20
PFNA	< 2.61	< 3.00	< 2.55	< 4.20
PFDA	< 2.61	< 2.91	< 2.55	< 4.20
PFUnA	< 2.61	< 3.40	< 2.55	< 4.20
PFDoA	< 2.61	< 2.60	< 2.55	< 4.20
PFBS	5.43	< 9.25	9.25	< 8.39
PFHxS	7.08	17.2	8.53	< 8.39
PFOS	< 5.22	5.99	< 5.11	< 8.39
PFOSA	< 2.61	< 2.37	< 2.55	< 4.20

NOTES:

1. ng/l: Nanograms per liter (perts per trillion(ppt))
2. Relative Well Position for all sampling points is downgradient of the facility unless otherwise noted

Solid Waste Perflourochemicals (PFCs) Evaluation
Groundwater Data
2007 and 2008 Sampling Events

CLIENT ID	Hubbard Co. MW-1	Hubbard Co. MW-4	Hubbard Co. MW-4	Hubbard Co. MW-6
Date:	2008	2007	2008	2007
Realitive Well Position	Upgradient			
AXYS ID	L11603-15	L9993-16	L11603-16	L9993-17
WORKGROUP	WG26307	WG22431	WG26307	WG22431
Sample Size	0.501 L	0.287 L	0.505 L	0.296 L
UNITS	ng/L	ng/L	ng/L	ng/L
PFBA	< 2.49	< 4.36	4.69	8.49
PFPeA	< 2.49	< 4.36	< 2.48	< 4.22
PFHxA	< 2.49	5.91	4.18	7.69
PFHpA	< 2.49	6.05	4.13	4.42
PFOA	< 2.49	< 4.36	< 2.48	< 4.22
PFNA	< 2.49	< 4.36	< 2.48	< 4.22
PFDA	< 2.49	< 4.36	< 2.48	< 4.22
PFUnA	< 2.49	< 4.36	< 2.48	< 4.22
PFDoA	< 2.49	< 4.36	< 2.48	< 4.22
PFBS	< 4.99	< 8.72	< 4.95	< 8.44
PFHxS	< 4.99	< 8.72	< 4.95	< 8.44
PFOS	< 4.99	< 8.72	5.7	< 8.44
PFOSA	< 2.49	< 4.36	< 2.48	< 4.22

NOTES:

1. ng/l: Nanograms per liter (perts per trillion(ppt))
2. Relative Well Position for all sampling points is downgradient of the facility unless otherwise noted

Solid Waste Perflourochemicals (PFCs) Evaluation
Groundwater Data
2007 and 2008 Sampling Events

CLIENT ID	Hubbard Co. MW-6	Lakes Area Demo MW-1	Lakes Area Demo MW-1	Lakes Area Demo MW-3
Date:	2008	2007	2008	2007
Realitive Well Position		Upgradient	Upgradient	
AXYS ID	L11603-17	L9993-21	L11603-18	L9993-22
WORKGROUP	WG26307	WG22431	WG26307	WG22431
Sample Size	0.494 L	0.298 L	0.496 L	0.298 L
UNITS	ng/L	ng/L	ng/L	ng/L
PFBA	3.19	< 4.19	< 2.52	11.6
PFPeA	< 2.53	< 4.19	< 2.52	34.7
PFHxA	< 2.53	< 4.19	< 2.52	23.4
PFHpA	< 2.53	< 4.19	< 2.52	< 4.20
PFOA	< 2.53	< 4.19	< 2.52	< 4.20
PFNA	< 2.53	< 4.19	< 2.52	< 4.20
PFDA	< 2.53	< 4.19	< 2.52	< 4.20
PFUnA	< 2.53	< 4.19	< 2.52	< 4.20
PFDoA	< 2.53	< 4.19	< 2.52	< 4.20
PFBS	< 5.06	< 8.38	< 5.04	< 8.40
PFHxS	< 5.06	< 8.38	< 5.04	< 8.40
PFOS	< 5.06	< 8.38	< 5.04	< 8.40
PFOSA	< 2.53	< 4.19	< 2.52	< 4.20

NOTES:

1. ng/l: Nanograms per liter (perts per trillion(ppt))
2. Relative Well Position for all sampling points is downgradient of the facility unless otherwise noted

Solid Waste Perflourochemicals (PFCs) Evaluation
Groundwater Data
2007 and 2008 Sampling Events

CLIENT ID	Lakes Area Demo MW-3	Lakes Area Demo MW-4	Lakes Area Demo MW-4	Lyon Co. MW-1
Date:	2008	2007	2008	2007
Realitive Well Position				
AXYS ID	L11603-19	L9993-23	L11603-20	L10021-18
WORKGROUP	WG26307	WG22431	WG26307	WG22433
Sample Size	0.497 L	0.303 L	0.525 L	0.282 L
UNITS	ng/L	ng/L	ng/L	ng/L
PFBA	17.3	< 4.12	2.88	< 4.44
PFPeA	39.9	< 4.12	< 2.38	< 4.44
PFHxA	34.2	< 4.12	< 2.38	< 4.44
PFHpA	3.99	< 4.12	< 2.38	< 4.44
PFOA	< 2.52	< 4.12	< 2.38	< 4.44
PFNA	< 2.52	< 4.12	< 2.38	< 4.44
PFDA	< 2.52	< 4.12	< 2.38	< 4.44
PFUnA	< 2.52	< 4.12	< 2.38	< 4.44
PFDoA	< 2.52	< 4.12	< 2.38	< 4.44
PFBS	6.03	< 8.24	4.94	< 8.87
PFHxS	< 5.03	< 8.24	< 4.76	< 8.87
PFOS	< 5.03	< 8.24	< 4.76	< 8.87
PFOSA	< 2.52	< 4.12	< 2.38	< 4.44

NOTES:

1. ng/l: Nanograms per liter (perts per trillion(ppt))
2. Relative Well Position for all sampling points is downgradient of the facility unless otherwise noted

Solid Waste Perflourochemicals (PFCs) Evaluation
Groundwater Data
2007 and 2008 Sampling Events

CLIENT ID	Lyon Co. MW-2	Lyon Co. MW-2 Dup	Lyon County Demo MW-2	Lyon Co. MW-3
Date:	2007	2007	2008	2007
Realitive Well Position	Upgrad	Upgradient	Upgradient	Upgradient
AXYS ID	L10021-19	L10021-21	L12025-6	L10021-20
WORKGROUP	WG22433	WG22433	WG27268	WG22433
Sample Size	0.290 L	0.284 L	0.491 L	0.293 L
UNITS	ng/L	ng/L	ng/L	ng/L
PFBA	< 4.32	< 4.40	< 2.54	< 4.27
PFPeA	< 4.32	< 4.40	< 2.54	< 4.27
PFHxA	< 4.32	< 4.40	< 2.54	< 4.27
PFHpA	< 4.32	< 4.40	< 2.54	< 4.27
PFOA	< 4.32	< 4.40	< 2.54	< 4.27
PFNA	< 4.32	< 4.40	< 2.54	< 4.27
PFDA	< 4.32	< 4.40	< 2.54	< 4.27
PFUnA	< 4.32	< 4.40	< 2.54	< 4.27
PFDoA	< 4.32	< 4.40	< 2.54	< 4.27
PFBS	< 8.64	< 8.81	< 5.09	< 8.55
PFHxS	< 8.64	< 8.81	< 5.09	< 8.55
PFOS	< 8.64	< 8.81	< 5.09	< 8.55
PFOSA	< 4.32	< 4.40	< 2.54	< 4.27

NOTES:

1. ng/l: Nanograms per liter (perts per trillion(ppt))
2. Relative Well Position for all sampling points is downgradient of the facility unless otherwise noted

Solid Waste Perflourochemicals (PFCs) Evaluation
Groundwater Data
2007 and 2008 Sampling Events

CLIENT ID	Lyon County Demo DMW-4	Lyon County Demo DMW-4 Duplicate	Lyon County Demo DMW-5	Meeker Co. Demo DMW-1
Date:	2008	2008	2008	2007
Realitive Well Position				
AXYS ID	L12025-7	L12025-9	L12025-8	L9961-20
WORKGROUP	WG27268	WG27268	WG27268	WG22330
Sample Size	0.483 L	0.487 L	0.494 L	0.195 L
UNITS	ng/L	ng/L	ng/L	ng/L
PFBA	< 2.59	< 2.57	< 2.53	23.6
PFPeA	< 2.59	< 2.57	< 2.53	17.2
PFHxA	< 2.59	< 2.57	< 2.53	15.6
PFHpA	< 2.59	< 2.57	< 2.53	7.59
PFOA	< 2.59	< 2.57	< 2.53	9.38
PFNA	< 2.59	< 2.57	< 2.53	< 6.42
PFDA	< 2.59	< 2.57	< 2.53	< 6.42
PFUnA	< 2.59	< 2.57	< 2.53	< 6.42
PFDoA	< 2.59	< 2.57	< 2.53	< 6.42
PFBS	< 5.17	< 5.13	< 5.06	16.7
PFHxS	< 5.17	< 5.13	< 5.06	13
PFOS	< 5.17	< 5.13	< 5.06	< 12.8
PFOSA	< 2.59	< 2.57	< 2.53	< 6.42

NOTES:

1. ng/l: Nanograms per liter (perts per trillion(ppt))
2. Relative Well Position for all sampling points is downgradient of the facility unless otherwise noted

Solid Waste Perflourochemicals (PFCs) Evaluation
Groundwater Data
2007 and 2008 Sampling Events

CLIENT ID	Meeker Co. Demo DMW-1 Dup	Meeker Co. Demo DMW-1	Meeker Co. Demo DMW-2	Meeker Co. Demo DMW-2
Date:	2007	2008	2007	2008
Realitive Well Position				
AXYS ID	L9961-21	L12039-20	L9961-19	L12039-19
WORKGROUP	WG22330	WG27270	WG22330	WG27270
Sample Size	0.189 L	0.490 L	0.198 L	0.491 L
UNITS	ng/L	ng/L	ng/L	ng/L
PFBA	20.3	25.7	< 6.32	< 2.55
PFPeA	15	15.4	< 6.32	< 2.55
PFHxA	16	20.9	< 6.32	< 2.55
PFHpA	7.79	4.77	< 6.32	< 2.55
PFOA	10.9	7.66	< 6.32	< 2.55
PFNA	< 6.63	< 2.55	< 6.32	< 2.55
PFDA	< 6.63	< 2.55	< 6.32	< 2.55
PFUnA	< 6.63	< 2.55	< 6.32	< 2.55
PFDoA	< 6.63	< 2.55	< 6.32	< 2.55
PFBS	18	17.7	< 12.6	< 5.10
PFHxS	< 13.3	17.8	< 12.6	< 5.10
PFOS	< 13.3	< 5.10	< 12.6	< 5.10
PFOSA	< 6.63	< 2.55	< 6.32	< 2.55

NOTES:

1. ng/l: Nanograms per liter (perts per trillion(ppt))
2. Relative Well Position for all sampling points is downgradient of the facility unless otherwise noted

Solid Waste Perflourochemicals (PFCs) Evaluation
Groundwater Data
2007 and 2008 Sampling Events

CLIENT ID	Meeker Co. Demo DP-1	Meeker Co. Demo DP-1	Oak Ridge Duplicate MW-3	Oak Ridge MW-3
Date:	2007	2008	2007	2007
Relative Well Position	Upgradient	Upgradient		
AXYS ID	L9961-18	L12039-18	L9920-42	L9920-40
WORKGROUP	WG22330	WG27270	WG22125	WG22124
Sample Size	0.191 L	0.501 L	0.501 L	0.497 L
UNITS	ng/L	ng/L	ng/L	ng/L
PFBA	< 6.55	< 2.49	47.9	49.8
PFPeA	< 6.55	< 2.49	30.6	31.5
PFHxA	< 6.55	< 2.49	26.4	28
PFHpA	< 6.55	< 2.49	5.51	6.75
PFOA	< 6.55	< 2.49	5.33	5.82
PFNA	< 6.55	< 2.49	< 2.86	< 2.88
PFDA	< 6.55	< 2.49	3.18	< 2.79
PFUnA	< 6.55	< 2.49	< 3.24	< 3.26
PFDoA	< 6.55	< 2.49	< 2.48	< 2.49
PFBS	< 13.1	< 4.99	56.3	20.2
PFHxS	< 13.1	< 4.99	< 5.59	< 5.63
PFOS	< 13.1	< 4.99	< 5.59	< 5.63
PFOSA	< 6.55	< 2.49	< 2.26	< 2.27

NOTES:

1. ng/l: Nanograms per liter (parts per trillion(ppt))
2. Relative Well Position for all sampling points is downgradient of the facility unless otherwise noted

Solid Waste Perflourochemicals (PFCs) Evaluation
Groundwater Data
2007 and 2008 Sampling Events

CLIENT ID	Oak Ridge Demo MW-3	Oak Ridge Demo MW-3 (Duplicate)	Oak Ridge MW-1	Oak Ridge Demo MW-1
Date:	2008	2008	2007	2008
Realitive Well Position			Upgradient	Upgradient
AXYS ID	L11701-27 (A)	WG26522-103 (DUP L11701-27)	L9920-39	L11701-26
WORKGROUP	WG26522	WG26522	WG22124	WG26522
Sample Size	0.473 L	0.456 L	0.490 L	0.493 L
UNITS	ng/L	ng/L	ng/L	ng/L
PFBA	26.1	23.2	< 2.96	< 2.53
PFPeA	18.1	16.5	< 2.59	< 2.53
PFHxA	35.3	31.8	< 2.67	< 2.53
PFHpA	6.41	6.49	< 2.67	< 2.53
PFOA	3.27	2.75	< 2.47	< 2.53
PFNA	< 2.64	< 2.74	< 2.92	3.41
PFDA	< 2.64	< 2.74	< 2.82	5.81
PFUnA	< 2.64	< 2.74	< 3.30	6.63
PFDoA	< 2.64	< 2.74	< 2.53	< 2.53
PFBS	5.51	< 5.49	< 5.65	< 5.07
PFHxS	< 5.29	< 5.49	< 5.71	< 5.07
PFOS	< 5.29	< 5.49	< 5.71	< 5.07
PFOSA	< 2.64	< 2.74	< 2.30	< 2.53

NOTES:

1. ng/l: Nanograms per liter (perts per trillion(ppt))
2. Relative Well Position for all sampling points is downgradient of the facility unless otherwise noted

Solid Waste Perflourochemicals (PFCs) Evaluation
Groundwater Data
2007 and 2008 Sampling Events

CLIENT ID	Oak Ridge MW-4	Oak Ridge Demo MW-4	Pine Bend SLF M11A	Pine Bend SLF M11A
Date:	2007	2008	2007	2008
Realitive Well Position			Upgradient	Upgradient
AXYS ID	L9920-41	L11701-28	L9993-9	L11742-2
WORKGROUP	WG22125	WG26522	WG22394	WG26599
Sample Size	0.300 L	0.357 L	0.289 L	0.504 L
UNITS	ng/L	ng/L	ng/L	ng/L
PFBA	6.33	26.1	45.9	47.8
PFPeA	< 4.24	25.2	< 4.33	< 2.48
PFHxA	< 4.37	10.7	< 4.33	< 2.48
PFHpA	< 4.37	16.2	< 4.33	< 2.48
PFOA	< 4.04	8.04	< 4.33	< 2.48
PFNA	< 4.77	35.2	< 4.33	< 2.48
PFDA	< 4.62	8.35	< 4.33	< 2.48
PFUnA	< 5.40	< 3.51	< 4.33	< 2.48
PFDoA	< 4.14	< 3.51	< 4.33	< 2.48
PFBS	< 9.24	28.8	< 8.67	< 4.96
PFHxS	< 9.34	< 7.01	< 8.67	< 4.96
PFOS	< 9.34	< 7.01	< 8.67	< 4.96
PFOSA	< 3.77	< 3.51	< 4.33	< 2.48

NOTES:

1. ng/l: Nanograms per liter (perts per trillion(ppt))
2. Relative Well Position for all sampling points is downgradient of the facility unless otherwise noted

Solid Waste Perflourochemicals (PFCs) Evaluation
Groundwater Data
2007 and 2008 Sampling Events

CLIENT ID	Pine Bend SLF M47	Pine Bend SLF M47	Pine Bend SLF M-5B	Pine Bend SLF W5B
Date:	2007	2008	2007	2008
Realitive Well Position				
AXYS ID	L9993-10	L11742-3	L9993-11	L11742-4
WORKGROUP	WG22394	WG26599	WG22394	WG26599
Sample Size	0.301 L	0.0223 L	0.303 L	0.219 L
UNITS	ng/L	ng/L	ng/L	ng/L
PFBA	25600	10100	918	963
PFPeA	1900	1410	358	324
PFHxA	491	300	237	250
PFHpA	251	116	166	75.5
PFOA	1880	769	697	224
PFNA	23.4	< 56.0	12	< 5.71
PFDA	< 4.16	< 56.0	4.17	< 5.71
PFUnA	< 4.16	< 56.0	< 4.12	< 5.71
PFDoA	< 4.16	< 56.0	< 4.12	< 5.71
PFBS	43.9	< 112	36.3	28.7
PFHxS	95.9	< 112	66.4	23.7
PFOS	113	< 112	381	71.4
PFOSA	< 4.16	< 56.0	< 4.12	< 5.71

NOTES:

1. ng/l: Nanograms per liter (perts per trillion(ppt))
2. Relative Well Position for all sampling points is downgradient of the facility unless otherwise noted

Solid Waste Perflourochemicals (PFCs) Evaluation
Groundwater Data
2007 and 2008 Sampling Events

CLIENT ID	SKB- Rich Valley MW-1	SKB Rich Valley MW-1 (Duplicate)	SKB Rich Valley MW-1	SKB- Rich Valley MW-3
Date:	2007	2008	2008	2007
Realitive Well Position	Upgradient	Upgradient	Upgradient	
AXYS ID	L9920-12	WG26199-103 (DUP L11561-17)	L11561-17 (A)	L9920-13
WORKGROUP	WG22119	WG26199	WG26199	WG22119
Sample Size	0.502 L	0.302 L	0.303 L	0.498 L
UNITS	ng/L	ng/L	ng/L	ng/L
PFBA	262	215	223	136
PFPeA	6.31	4.84	4.92	4.63
PFHxA	< 2.61	< 4.15	< 4.13	< 2.63
PFHpA	< 2.61	< 4.15	< 4.13	< 2.63
PFOA	< 2.41	< 4.15	< 4.13	2.69
PFNA	< 2.85	< 4.15	< 4.13	< 2.87
PFDA	< 2.76	< 4.15	< 4.13	< 2.78
PFUnA	< 3.23	< 4.15	< 4.13	< 3.25
PFDoA	< 2.47	< 4.15	< 4.13	< 2.49
PFBS	< 5.52	< 8.29	< 8.26	< 5.56
PFHxS	< 5.58	< 8.29	< 8.26	< 5.62
PFOS	< 5.58	< 8.29	< 8.26	7.59
PFOSA	< 2.25	< 4.15	< 4.13	< 2.27

NOTES:

1. ng/l: Nanograms per liter (perts per trillion(ppt))
2. Relative Well Position for all sampling points is downgradient of the facility unless otherwise noted

Solid Waste Perflourochemicals (PFCs) Evaluation
Groundwater Data
2007 and 2008 Sampling Events

CLIENT ID	SKB Rich Valley MW-3	SKB- Rich Valley MW-4	SKB Rich Valley MW-4	SKB Rosemont D1D
Date:	2008	2007	2008	2007
Realitive Well Position				
AXYS ID	L11561-19	L9920-14	L11561-18	L10021-8
WORKGROUP	WG26199	WG22119	WG26199	WG22433
Sample Size	0.491 L	0.491 L	0.503 L	0.295 L
UNITS	ng/L	ng/L	ng/L	ng/L
PFBA	151	99.6	103	197
PFPeA	4.15	4.23	2.79	< 10.5
PFHxA	< 2.54	< 2.67	< 2.49	< 4.23
PFHpA	< 2.54	< 2.67	< 2.49	< 4.23
PFOA	< 2.54	< 2.46	< 2.49	< 4.23
PFNA	< 2.54	< 2.91	< 2.49	< 4.23
PFDA	< 2.54	< 2.82	< 2.49	< 4.23
PFUnA	< 2.54	< 3.30	< 2.49	< 4.23
PFDoA	< 2.54	< 2.52	< 2.49	< 4.23
PFBS	< 5.09	< 5.64	< 4.97	< 8.47
PFHxS	< 5.09	< 5.70	< 4.97	< 8.47
PFOS	6.67	< 5.70	< 4.97	< 8.47
PFOSA	< 2.54	< 2.30	< 2.49	< 4.23

NOTES:

1. ng/l: Nanograms per liter (perts per trillion(ppt))
2. Relative Well Position for all sampling points is downgradient of the facility unless otherwise noted

Solid Waste Perflourochemicals (PFCs) Evaluation
Groundwater Data
2007 and 2008 Sampling Events

CLIENT ID	SKB Rosemount MW-D1D	SKB Rosemont D1S	SKB Rosemount MW-D1S	SKB Rosemont D3S
Date:	2008	2007	2008	2007
Realitive Well Position				
AXYS ID	L11561-12	L10021-9	L11561-11	L10021-10
WORKGROUP	WG26175	WG22433	WG26175	WG22433
Sample Size	0.513 L	0.278 L	0.496 L	0.293 L
UNITS	ng/L	ng/L	ng/L	ng/L
PFBA	139	208	169	285
PFPeA	< 2.44	11.8	12.1	14.7
PFHxA	3.18	4.82	3.93	5.47
PFHpA	< 2.44	< 4.50	< 2.52	< 4.26
PFOA	< 2.44	13.9	6.51	9.13
PFNA	< 2.44	< 4.50	< 2.52	< 4.26
PFDA	< 2.44	< 4.50	< 2.52	< 4.26
PFUnA	< 2.44	< 4.50	< 2.52	< 4.26
PFDoA	< 2.44	< 4.50	< 2.52	< 4.26
PFBS	< 4.87	10.5	9.63	28.4
PFHxS	< 4.87	< 9.00	< 5.04	< 8.53
PFOS	< 4.87	< 9.00	< 5.04	< 8.53
PFOSA	< 2.44	< 4.50	< 2.52	< 4.26

NOTES:

1. ng/l: Nanograms per liter (perts per trillion(ppt))
2. Relative Well Position for all sampling points is downgradient of the facility unless otherwise noted

Solid Waste Perflourochemicals (PFCs) Evaluation
Groundwater Data
2007 and 2008 Sampling Events

CLIENT ID	SKB Rosemont D3S Dup	SKB Rosemount MW-D3S	SKB Rosemont U2S	SKB Rosemount MW-U2S
Date:	2007	2008	2007	2008
Realitive Well Position			Upgradient	Upgradient
AXYS ID	L10021-11	L11561-10 (A)	L10021-7	L11561-9
WORKGROUP	WG22433	WG26175	WG22433	WG26175
Sample Size	0.273 L	0.488 L	0.293 L	0.503 L
UNITS	ng/L	ng/L	ng/L	ng/L
PFBA	270	270	270	122
PFPeA	15.5	47.6	17.6	< 2.49
PFHxA	5.86	21.6	8.19	< 2.49
PFHpA	< 4.58	9.53	< 4.27	< 2.49
PFOA	10.4	46.8	15.6	5.51
PFNA	< 4.58	< 2.56	< 4.27	< 2.49
PFDA	< 4.58	< 2.56	< 4.27	< 2.49
PFUnA	< 4.58	< 2.56	< 4.27	< 2.49
PFDoA	< 4.58	< 2.56	< 4.27	< 2.49
PFBS	29	29.2	< 8.54	< 4.97
PFHxS	< 9.16	7.34	< 8.54	< 4.97
PFOS	< 9.16	< 5.13	< 8.54	< 4.97
PFOSA	< 4.58	< 2.56	< 4.27	< 2.49

NOTES:

1. ng/l: Nanograms per liter (perts per trillion(ppt))
2. Relative Well Position for all sampling points is downgradient of the facility unless otherwise noted

Solid Waste Perflourochemicals (PFCs) Evaluation
Groundwater Data
2007 and 2008 Sampling Events

CLIENT ID	SKB-Dawnway MW-1R	SKB Dawnway Demo MW-1R	SKB-Dawnway MW-7	SKB Dawnway Demo MW-7
Date:	2007	2008	2007	2008
Realitive Well Position	Upgradient	Upgradient		
AXYS ID	L9920-16	L12025-3	L9920-17	L12025-5
WORKGROUP	WG22119	WG27268	WG22119	WG27268
Sample Size	0.306 L	0.371 L	0.485 L	0.405 L
UNITS	ng/L	ng/L	ng/L	ng/L
PFBA	817	820	427	374
PFPeA	49.3	44.7	61.9	39.3
PFHxA	15.6	16.2	42.9	35.2
PFHpA	< 4.29	< 3.37	6.36	4.03
PFOA	< 3.96	< 3.37	14.5	8.65
PFNA	< 4.68	< 3.37	< 2.95	< 3.09
PFDA	< 4.53	< 3.37	< 2.85	< 3.09
PFUnA	< 5.30	< 3.37	< 3.34	< 3.09
PFDoA	< 4.06	< 3.37	< 2.56	< 3.09
PFBS	< 9.06	< 6.75	14.3	10.8
PFHxS	< 9.16	< 6.75	27.5	< 6.17
PFOS	< 9.16	< 6.75	8.72	< 6.17
PFOSA	< 3.70	< 3.37	< 2.33	< 3.09

NOTES:

1. ng/l: Nanograms per liter (perts per trillion(ppt))
2. Relative Well Position for all sampling points is downgradient of the facility unless otherwise noted

Solid Waste Perflourochemicals (PFCs) Evaluation
Groundwater Data
2007 and 2008 Sampling Events

CLIENT ID	SKB-Dawnway MW-9	SKB Dawnway Demo MW-9	SKB Dawnway Demo MW-9 (Duplicate)	Spruce Ridge Demo MW-10A
Date:	2007	2008	2008	2007
Realitive Well Position	Sidegradient	Sidegradient	Sidegradient	
AXYS ID	L9920-15	L12025-4 (A)	WG27268-103 (DUP L12025-4)	L9961-13
WORKGROUP	WG22119	WG27268	WG27268	WG22330
Sample Size	0.500 L	0.220 L	0.217 L	0.200 L
UNITS	ng/L	ng/L	ng/L	ng/L
PFBA	1240	1440	1400	404
PFPeA	146	163	169	87.8
PFHxA	63.5	100	100	115
PFHpA	18.6	21.5	21.9	50
PFOA	97.4	115	113	130
PFNA	< 2.86	< 5.69	< 5.77	8.87
PFDA	2.93	< 5.69	< 5.77	< 6.25
PFUnA	3.94	< 5.69	< 5.77	< 6.25
PFDoA	< 2.48	< 5.69	< 5.77	< 6.25
PFBS	11.5	< 11.4	< 11.5	22.9
PFHxS	69.2	80.8	85.4	22.5
PFOS	< 5.60	< 11.4	< 11.5	15.5
PFOSA	< 2.26	< 5.69	< 5.77	< 6.25

NOTES:

1. ng/l: Nanograms per liter (perts per trillion(ppt))
2. Relative Well Position for all sampling points is downgradient of the facility unless otherwise noted

Solid Waste Perflourochemicals (PFCs) Evaluation
Groundwater Data
2007 and 2008 Sampling Events

CLIENT ID	Spruce Ridge MW-10A	Spruce Ridge Demo MW-7A	Spruce Ridge MW-7A	Spruce Ridge MSW MW-1A
Date:	2008	2007	2008	2007
Realitive Well Position				Upgradient
AXYS ID	L11701-18	L9961-12	L11701-17	L9961-14
WORKGROUP	WG26521	WG22330	WG26521	WG22330
Sample Size	0.309 L	0.202 L	0.498 L	0.198 L
UNITS	ng/L	ng/L	ng/L	ng/L
PFBA	567	R 59.4	45.9	23.3
PFPeA	40.5	17.3	14.5	18.2
PFHxA	31.2	16.5	21.7	15.3
PFHpA	9.21	11.2	7.85	6.89
PFOA	54.2	23.1	39.3	7.79
PFNA	< 4.04	< 6.19	< 2.51	< 6.32
PFDA	< 4.04	< 6.19	< 2.51	< 6.32
PFUnA	< 4.04	< 6.19	< 2.51	< 6.32
PFDoA	< 4.04	< 6.19	< 2.51	< 6.32
PFBS	10.9	< 12.4	< 5.02	< 12.6
PFHxS	16.6	< 12.4	10.7	< 12.6
PFOS	15.9	< 12.4	10.6	< 12.6
PFOSA	< 4.04	< 6.19	< 2.51	< 6.32

NOTES:

1. ng/l: Nanograms per liter (perts per trillion(ppt))
2. Relative Well Position for all sampling points is downgradient of the facility unless otherwise noted

Solid Waste Perflourochemicals (PFCs) Evaluation
Groundwater Data
2007 and 2008 Sampling Events

CLIENT ID	Spruce Ridge MW-1A	Spruce Ridge MW-1A Dup	Spruce Ridge MSW MW-2A	Spruce Ridge MW-2A
Date:	2008	2008	2007	2008
Realitive Well Position	Upgradient	Upgradient		
AXYS ID	L11701-19	L11701-20	L9961-10	L11701-15
WORKGROUP	WG26522	WG26522	WG22330	WG26521
Sample Size	0.498 L	0.494 L	0.194 L	0.499 L
UNITS	ng/L	ng/L	ng/L	ng/L
PFBA	19.9	19.8	57.6	52.6
PFPeA	6.52	5.95	32.4	29.3
PFHxA	6.52	6.01	61	63.5
PFHpA	2.91	2.87	17.1	18.2
PFOA	< 2.51	< 2.53	50.5	46.4
PFNA	< 2.51	< 2.53	< 6.43	3.16
PFDA	< 2.51	< 2.53	< 6.43	< 2.51
PFUnA	< 2.51	< 2.53	< 6.43	< 2.51
PFDoA	< 2.51	< 2.53	< 6.43	< 2.51
PFBS	< 5.02	< 5.06	< 12.9	5.71
PFHxS	< 5.02	< 5.06	< 12.9	6.23
PFOS	< 5.02	< 5.06	< 12.9	6.26
PFOSA	< 2.51	< 2.53	< 6.43	< 2.51

NOTES:

1. ng/l: Nanograms per liter (perts per trillion(ppt))
2. Relative Well Position for all sampling points is downgradient of the facility unless otherwise noted

Solid Waste Perflourochemicals (PFCs) Evaluation
Groundwater Data
2007 and 2008 Sampling Events

CLIENT ID	Spruce Ridge MSW MW-3A	Spruce Ridge MW-3A	Spruce Ridge MSW MW-9A	Spruce Ridge MSW MW-9A Dup
Date:	2007	2008	2007	2007
Realitive Well Position				
AXYS ID	L9961-11	L11701-16	L9961-9	L9961-15
WORKGROUP	WG22330	WG26521	WG22330	WG22330
Sample Size	0.194 L	0.498 L	0.206 L	0.188 L
UNITS	ng/L	ng/L	ng/L	ng/L
PFBA	53.9	38.9	157	152
PFPeA	19	9.01	29.1	23.2
PFHxA	22.4	9.37	18.6	16.2
PFHpA	10.8	6.58	11.8	7.3
PFOA	39.2	36	19.2	18.2
PFNA	< 6.44	< 2.51	< 6.07	< 6.64
PFDA	< 6.44	< 2.51	< 6.07	< 6.64
PFUnA	< 6.44	< 2.51	< 6.07	< 6.64
PFDoA	< 6.44	< 2.51	< 6.07	< 6.64
PFBS	< 12.9	< 5.02	19.1	13.4
PFHxS	< 12.9	18.8	< 12.1	< 13.3
PFOS	< 12.9	13.2	< 12.5	< 13.3
PFOSA	< 6.44	< 2.51	< 6.91	< 6.64

NOTES:

1. ng/l: Nanograms per liter (perts per trillion(ppt))
2. Relative Well Position for all sampling points is downgradient of the facility unless otherwise noted

Solid Waste Perflourochemicals (PFCs) Evaluation
Groundwater Data
2007 and 2008 Sampling Events

CLIENT ID	St. Louis Regional MW-91-2A	St. Louis Regional MW-91-2A	St. Louis Regional MW-91-4A	St. Louis Regional MW-91-4A
Date:	2007	2008	2007	2008
Realitive Well Position				
AXYS ID	L9924-9	L11561-8	L9924-8	L11561-7
WORKGROUP	WG22125	WG26175	WG22125	WG26175
Sample Size	0.498 L	0.488 L	0.504 L	0.494 L
UNITS	ng/L	ng/L	ng/L	ng/L
PFBA	3.12	< 2.56	< 2.88	< 2.53
PFPeA	< 2.55	< 2.56	< 2.52	< 2.53
PFHxA	< 2.63	< 2.56	< 2.60	< 2.53
PFHpA	< 2.63	< 2.56	< 2.60	< 2.53
PFOA	< 2.43	< 2.56	< 2.40	< 2.53
PFNA	< 2.87	< 2.56	< 2.84	< 2.53
PFDA	< 2.78	< 2.56	< 2.75	< 2.53
PFUnA	< 3.25	< 2.56	< 3.22	< 2.53
PFDoA	< 2.49	< 2.56	< 2.46	< 2.53
PFBS	< 5.56	< 5.12	< 5.50	< 5.07
PFHxS	< 5.62	< 5.12	< 5.56	< 5.07
PFOS	< 5.62	< 5.12	< 5.56	< 5.07
PFOSA	< 2.27	< 2.56	< 2.24	< 2.53

NOTES:

1. ng/l: Nanograms per liter (perts per trillion(ppt))
2. Relative Well Position for all sampling points is downgradient of the facility unless otherwise noted

Solid Waste Perflourochemicals (PFCs) Evaluation
Groundwater Data
2007 and 2008 Sampling Events

CLIENT ID	St. Louis Regional MW91-7	St. Louis Regional MW91-7	Steele Co. SLF MW-10A	Steele Co. SLF MW-11A
Date:	2007	2008	2007	2007
Realitive Well Position	Upgradient	Upgradient		Upgradient
AXYS ID	L9924-7	L11561-6	L10021-24	L10021-23
WORKGROUP	WG22125	WG26175	WG22525	WG22433
Sample Size	0.498 L	0.503 L	0.295 L	0.294 L
UNITS	ng/L	ng/L	ng/L	ng/L
PFBA	6.99	< 2.48	< 4.23	11.6
PFPeA	4.42	< 2.48	< 4.23	< 4.26
PFHxA	5.27	< 2.48	< 4.23	< 4.26
PFHpA	5.44	< 2.48	< 4.23	< 4.26
PFOA	20.5	12	< 4.23	< 4.26
PFNA	< 2.87	< 2.48	< 4.23	< 4.26
PFDA	< 2.78	< 2.48	< 4.23	< 4.26
PFUnA	< 3.25	< 2.48	< 4.23	< 4.26
PFDoA	< 2.49	< 2.48	< 4.23	< 4.26
PFBS	< 5.56	< 4.97	< 8.46	< 8.51
PFHxS	10.3	6.03	< 8.46	< 8.51
PFOS	9.74	9.72	< 8.46	< 8.51
PFOSA	< 2.27	< 2.48	< 4.23	< 4.26

NOTES:

1. ng/l: Nanograms per liter (perts per trillion(ppt))
2. Relative Well Position for all sampling points is downgradient of the facility unless otherwise noted

Solid Waste Perflourochemicals (PFCs) Evaluation
Groundwater Data
2007 and 2008 Sampling Events

CLIENT ID	Steele Co SLF MW-11A	Steele Co. SLF MW-14	Steele Co SLF MW-14	Steele Co. SLF MW-4
Date:	2008	2007	2008	2007
Realitive Well Position	Upgradient			Upgradient
AXYS ID	L11647-8	L10021-26	L11647-10	L10021-22
WORKGROUP	WG26441	WG22525	WG26441	WG22433
Sample Size	0.484 L	0.351 L	0.485 L	0.287 L
UNITS	ng/L	ng/L	ng/L	ng/L
PFBA	4.42	33.2	42.5	9.81
PFPeA	< 2.58	< 7.50	< 3.17	< 4.36
PFHxA	< 2.58	10.2	7.04	< 4.36
PFHpA	< 2.58	< 10.3	< 2.57	< 4.36
PFOA	< 2.58	10.3	17.5	< 4.36
PFNA	< 2.58	< 3.56	< 2.57	< 4.36
PFDA	< 2.58	< 3.56	< 2.57	< 4.36
PFUnA	< 2.58	< 3.56	< 2.57	< 4.36
PFDoA	< 2.58	< 3.56	< 2.57	< 4.36
PFBS	< 5.17	< 7.12	< 5.15	< 8.71
PFHxS	< 5.17	< 7.12	< 5.15	< 8.71
PFOS	< 5.17	< 7.12	11.3	< 8.71
PFOSA	< 2.58	< 3.56	< 2.57	< 4.36

NOTES:

1. ng/l: Nanograms per liter (perts per trillion(ppt))
2. Relative Well Position for all sampling points is downgradient of the facility unless otherwise noted

Solid Waste Perflourochemicals (PFCs) Evaluation
Groundwater Data
2007 and 2008 Sampling Events

CLIENT ID	Steele Co SLF MW-4	Steele Co. SLF MW-9A	Steele Co SLF MW-9A	Summit Ave Demo MW-1
Date:	2008	2007	2008	2007
Realitive Well Position				
AXYS ID	L11647-7	L10021-25	L11647-9	L9961-34
WORKGROUP	WG26441	WG22433	WG26441	WG22348
Sample Size	0.493 L	0.296 L	0.485 L	0.300 L
UNITS	ng/L	ng/L	ng/L	ng/L
PFBA	8.65	< 4.23	2.66	45.7
PFPeA	< 2.54	< 4.23	< 2.58	15
PFHxA	< 2.54	< 4.23	< 2.58	6.59
PFHpA	< 2.54	< 4.23	< 2.58	< 4.17
PFOA	< 2.54	< 4.23	< 2.58	< 4.17
PFNA	< 2.54	< 4.23	< 2.58	< 4.17
PFDA	< 2.54	< 4.23	< 2.58	< 4.17
PFUnA	< 2.54	< 4.23	< 2.58	< 4.17
PFDoA	< 2.54	< 4.23	< 2.58	< 4.17
PFBS	< 5.08	< 8.45	< 5.15	< 8.34
PFHxS	< 5.08	< 8.45	< 5.15	< 8.34
PFOS	< 5.08	< 8.45	< 5.15	< 8.34
PFOSA	< 2.54	< 4.23	< 2.58	< 4.17

NOTES:

1. ng/l: Nanograms per liter (perts per trillion(ppt))
2. Relative Well Position for all sampling points is downgradient of the facility unless otherwise noted

Solid Waste Perflourochemicals (PFCs) Evaluation
Groundwater Data
2007 and 2008 Sampling Events

CLIENT ID	Summit Ave Demo MW-1 Dup	Summit Ave Demo MW-1	Summit Ave Demo MW-2	Summit Ave Demo MW-2
Date:	2007	2008	2007	2007
Realitive Well Position				
AXYS ID	L9961-36	L12039-11	L9961-33	L9961-33
WORKGROUP	WG22348	WG27269	WG22348	WG22394
Sample Size	0.310 L	0.499 L	0.307 L	0.144 L
UNITS	ng/L	ng/L	ng/L	ng/L
PFBA	49.9	37.6	325	213
PFPeA	14.3	< 4.46	< 192	127
PFHxA	6.48	26.2	339	314
PFHpA	< 4.03	8.37	292	270
PFOA	4.44	24.7	234	170
PFNA	< 4.03	< 2.51	< 4.07	< 8.70
PFDA	< 4.03	< 2.51	< 4.07	< 8.70
PFUnA	< 4.03	< 2.51	< 4.07	< 8.70
PFDoA	< 4.03	< 2.51	< 4.07	< 8.70
PFBS	< 8.07	< 5.01	< 27.3	< 17.4
PFHxS	< 8.07	11.3	99.1	109
PFOS	< 8.07	11.2	< 8.13	< 17.4
PFOSA	< 4.03	< 2.51	< 4.07	< 8.70

NOTES:

1. ng/l: Nanograms per liter (perts per trillion(ppt))
2. Relative Well Position for all sampling points is downgradient of the facility unless otherwise noted

Solid Waste Perflourochemicals (PFCs) Evaluation
Groundwater Data
2007 and 2008 Sampling Events

CLIENT ID	Summit Ave Demo MW-2	Summit Ave Demo MW-6	Summit Ave Demo MW-6	Summit Ave Demo MW-6 Dup
Date:	2008	2007	2008	2008
Realitive Well Position		Upgradient	Upgradient	Upgradient
AXYS ID	L12039-10	L9961-35	L12039-12	L12039-13
WORKGROUP	WG27269	WG22348	WG27269	WG27269
Sample Size	0.244 L	0.304 L	0.502 L	0.495 L
UNITS	ng/L	ng/L	ng/L	ng/L
PFBA	298	4.36	7.09	8.92
PFPeA	147	< 4.11	< 2.49	< 2.53
PFHxA	634	< 4.11	< 2.49	< 2.53
PFHpA	588	< 4.11	< 2.49	< 2.53
PFOA	227	4.16	< 2.49	< 2.53
PFNA	< 5.13	< 4.11	< 2.49	< 2.53
PFDA	< 5.13	< 4.11	< 2.49	< 2.53
PFUnA	< 5.13	< 4.11	< 2.49	< 2.53
PFDoA	< 5.13	< 4.11	< 2.49	< 2.53
PFBS	< 17.2	< 8.22	< 4.98	< 5.05
PFHxS	144	11	13	12.5
PFOS	< 10.3	34.4	25.3	27.4
PFOSA	< 5.13	< 4.11	< 2.49	< 2.53

NOTES:

1. ng/l: Nanograms per liter (perts per trillion(ppt))
2. Relative Well Position for all sampling points is downgradient of the facility unless otherwise noted

Solid Waste Perflourochemicals (PFCs) Evaluation
Groundwater Data
2007 and 2008 Sampling Events

CLIENT ID	TK Demo MW-1	TK Demo MW-1	TK Demo MW-2	TK Demo MW-2
Date:	2007	2008	2007	2008
Realitive Well Position	Upgradient	Upgradient		
AXYS ID	L9920-38	L11701-25	L9920-37	L11701-24
WORKGROUP	WG22124	WG26522	WG22124	WG26522
Sample Size	0.489 L	0.496 L	0.285 L	0.501 L
UNITS	ng/L	ng/L	ng/L	ng/L
PFBA	< 2.96	< 2.52	36.3	32.4
PFPeA	< 2.60	< 2.52	12.6	11.1
PFHxA	< 2.68	< 2.52	6.88	13.1
PFHpA	< 2.68	< 2.52	< 4.59	8.84
PFOA	< 2.47	< 2.52	< 4.24	2.6
PFNA	< 2.92	< 2.52	< 5.01	< 2.50
PFDA	< 2.83	< 2.52	< 4.86	< 2.50
PFUnA	< 3.31	< 2.52	< 5.68	< 2.50
PFDoA	< 2.53	< 2.52	< 4.35	< 2.50
PFBS	< 5.66	< 5.04	< 9.71	< 4.99
PFHxS	< 5.72	< 5.04	< 9.82	< 4.99
PFOS	< 5.72	< 5.04	< 9.82	< 4.99
PFOSA	< 2.31	< 2.52	< 3.96	< 2.50

NOTES:

1. ng/l: Nanograms per liter (perts per trillion(ppt))
2. Relative Well Position for all sampling points is downgradient of the facility unless otherwise noted

Solid Waste Perflourochemicals (PFCs) Evaluation
Groundwater Data
2007 and 2008 Sampling Events

CLIENT ID	TK Demo MW-3	TK Demo MW-3	Veit Austin Demo MW-1	Veit Austin MW-1
Date:	2007	2008	2007	2008
Realitive Well Position			Upgradient	Upgradient
AXYS ID	L9920-36	L11701-23	L10021-15	L12039-7 (A)
WORKGROUP	WG22124	WG26522	WG22433	WG27269
Sample Size	0.479 L	0.494 L	0.280 L	0.502 L
UNITS	ng/L	ng/L	ng/L	ng/L
PFBA	24.9	9.66	< 4.46	< 2.49
PFPeA	5.24	2.77	< 4.46	< 2.49
PFHxA	< 2.73	< 2.53	< 4.46	< 2.49
PFHpA	< 2.73	< 2.53	< 4.46	< 2.49
PFOA	5.25	< 2.53	< 4.46	< 2.49
PFNA	< 2.98	< 2.53	< 4.46	< 2.49
PFDA	< 2.89	< 2.53	< 4.46	< 2.49
PFUnA	< 3.38	< 2.53	< 4.46	< 2.49
PFDoA	< 2.59	< 2.53	< 4.46	< 2.49
PFBS	12.5	14.4	< 8.92	< 4.98
PFHxS	10.5	7.4	< 8.92	< 4.98
PFOS	< 5.84	< 5.06	< 8.92	< 4.98
PFOSA	< 2.36	< 2.53	< 4.46	< 2.49

NOTES:

1. ng/l: Nanograms per liter (perts per trillion(ppt))
2. Relative Well Position for all sampling points is downgradient of the facility unless otherwise noted

Solid Waste Perflourochemicals (PFCs) Evaluation
Groundwater Data
2007 and 2008 Sampling Events

CLIENT ID	Veit Austin Demo MW-2	Veit Austin MW-2	Veit Austin Demo MW-4R	Veit Austin MW-4R
Date:	2007	2008	2007	2008
Realitive Well Position				
AXYS ID	L10021-17	L12039-9	L10021-16	L12039-8
WORKGROUP	WG22433	WG27269	WG22433	WG27269
Sample Size	0.289 L	0.498 L	0.292 L	0.494 L
UNITS	ng/L	ng/L	ng/L	ng/L
PFBA	< 4.32	< 2.51	< 4.28	3.02
PFPeA	< 4.32	< 2.51	< 4.28	< 2.53
PFHxA	< 4.32	< 2.51	< 4.28	< 2.53
PFHpA	< 4.32	< 2.51	< 4.28	< 2.53
PFOA	< 4.32	< 2.51	< 4.28	< 2.53
PFNA	< 4.32	< 2.51	< 4.28	< 2.53
PFDA	< 4.32	< 2.51	< 4.28	< 2.53
PFUnA	< 4.32	< 2.51	< 4.28	< 2.53
PFDoA	< 4.32	< 2.51	< 4.28	< 2.53
PFBS	< 8.64	< 5.02	< 8.56	< 5.06
PFHxS	< 8.64	< 5.02	< 8.56	< 5.06
PFOS	< 8.64	< 5.02	< 8.56	< 5.06
PFOSA	< 4.32	< 2.51	< 4.28	< 2.53

NOTES:

1. ng/l: Nanograms per liter (perts per trillion(ppt))
2. Relative Well Position for all sampling points is downgradient of the facility unless otherwise noted

Solid Waste Perflourochemicals (PFCs) Evaluation
Groundwater Data
2007 and 2008 Sampling Events

CLIENT ID	Veolia Rolling Hills MW-10	Veolia Rolling Hills MW-10	Veolia Rolling Hills MW-25	Veolia Rolling Hills MW-25
Date:	2007	2008	2007	2008
Realitive Well Position				
AXYS ID	L9968-5	L11647-21	L9968-6	L11647-22
WORKGROUP	WG22393	WG26442	WG22393	WG26442
Sample Size	0.283 L	0.492 L	0.279 L	0.498 L
UNITS	ng/L	ng/L	ng/L	ng/L
PFBA	13.9	4.51	< 4.47	< 2.51
PFPeA	< 4.42	< 2.54	< 4.47	< 2.51
PFHxA	< 4.42	< 2.54	< 4.47	< 2.51
PFHpA	< 4.42	< 2.54	< 4.47	< 2.51
PFOA	17.4	< 2.54	< 4.47	< 2.51
PFNA	< 4.42	< 2.54	< 4.47	< 2.51
PFDA	< 4.42	< 2.54	< 4.47	< 2.51
PFUnA	< 4.42	< 2.54	< 4.47	< 2.51
PFDoA	< 4.42	< 2.54	< 4.47	< 2.51
PFBS	< 8.83	< 5.09	< 8.95	< 5.02
PFHxS	< 8.83	< 5.09	< 8.95	< 5.02
PFOS	< 8.83	< 5.09	< 8.95	< 5.02
PFOSA	< 4.42	< 2.54	< 4.47	< 2.51

NOTES:

1. ng/l: Nanograms per liter (perts per trillion(ppt))
2. Relative Well Position for all sampling points is downgradient of the facility unless otherwise noted

Solid Waste Perflourochemicals (PFCs) Evaluation
Groundwater Data
2007 and 2008 Sampling Events

CLIENT ID	Veolia Rolling Hills MW-28	Veolia Rolling Hills MW-28	Vonco MW-1	Vonco MW-1
Date:	2007	2008	5/142007	9/20/2007
Realitive Well Position	Upgradient	Upgradient		
AXYS ID	L9968-4	L11647-20	L9961-32	L10406-15
WORKGROUP	WG22393	WG26441	WG22348	WG23434
Sample Size	0.288 L	0.499 L	0.305 L	0.512 L
UNITS	ng/L	ng/L	ng/L	ng/L
PFBA	< 4.34	2.7	< 4.10	3.13
PFPeA	< 4.34	< 2.50	< 4.10	< 2.44
PFHxA	< 4.34	< 2.50	< 4.10	< 2.44
PFHpA	< 4.34	< 2.50	< 4.10	< 2.44
PFOA	< 4.34	< 2.50	< 4.10	< 2.44
PFNA	< 4.34	< 2.50	< 4.10	< 2.44
PFDA	< 4.34	< 2.50	< 4.10	< 2.44
PFUnA	< 4.34	< 2.50	< 4.10	< 2.44
PFDoA	< 4.34	< 2.50	< 4.10	< 2.44
PFBS	< 8.68	< 5.01	< 8.21	< 4.88
PFHxS	< 8.68	< 5.01	< 8.21	< 4.88
PFOS	< 8.68	< 5.01	< 8.21	< 4.88
PFOSA	< 4.34	< 2.50	< 4.10	< 2.44

NOTES:

1. ng/l: Nanograms per liter (perts per trillion(ppt))
2. Relative Well Position for all sampling points is downgradient of the facility unless otherwise noted

Solid Waste Perflourochemicals (PFCs) Evaluation
Groundwater Data
2007 and 2008 Sampling Events

CLIENT ID	Vonco MW-1 Dup	Vonco MW-1	Vonco MW-3	Vonco MW-3
Date:	9/20/2007	2008	5/14/2007	9/20/2007
Relative Well Position			Upgradient	
AXYS ID	L10406-16	L11970-12	L9961-30	L10406-12
WORKGROUP	WG23434	WG27121	WG22348	WG23434
Sample Size	0.501 L	0.496 L	0.300 L	0.504 L
UNITS	ng/L	ng/L	ng/L	ng/L
PFBA	3.34	3.11	52.6	68.6
PFPeA	< 2.49	< 2.52	< 4.17	< 2.48
PFHxA	< 2.49	< 2.52	< 4.17	< 2.48
PFHpA	< 2.49	< 2.52	< 4.17	< 2.48
PFOA	< 2.49	< 2.52	< 4.17	< 2.48
PFNA	< 2.49	< 2.52	< 4.17	< 2.48
PFDA	< 2.49	< 2.52	< 4.17	< 2.48
PFUnA	< 2.49	< 2.52	< 4.17	< 2.48
PFDoA	< 2.49	< 2.52	< 4.17	< 2.48
PFBS	< 4.99	< 5.04	< 8.33	< 4.96
PFHxS	< 4.99	< 5.04	< 8.33	< 4.96
PFOS	< 4.99	< 5.04	< 8.33	< 4.96
PFOSA	< 2.49	< 2.52	< 4.17	< 2.48

NOTES:

1. ng/l: Nanograms per liter (parts per trillion(ppt))
2. Relative Well Position for all sampling points is downgradient of the facility unless otherwise noted

Solid Waste Perflourochemicals (PFCs) Evaluation
Groundwater Data
2007 and 2008 Sampling Events

CLIENT ID	Vonco MW-3	Vonco MW-5A	Vonco MW-5A	Vonco MW-5A
Date:	2008	5/14/2007	9/20/2007	12/00/07
Realitive Well Position	Upgradient			
AXYS ID	L11970-10	L9961-31	L10406-14	L10688-2
WORKGROUP	WG27121	WG22348	WG23434	WG23996
Sample Size	0.395 L	0.308 L	0.517 L	0.489 L
UNITS	ng/L	ng/L	ng/L	ng/L
PFBA	39.3	88.2	45.1	33.1
PFPeA	< 3.17	13.7	10.3	7.09
PFHxA	< 3.17	33.7	13.5	10.6
PFHpA	< 3.17	45.4	7.87	7.05
PFOA	< 3.17	837	5.49	4.11
PFNA	< 3.17	< 4.06	< 2.42	< 2.56
PFDA	< 3.17	< 4.06	< 2.42	< 2.56
PFUnA	< 3.17	< 4.06	< 2.42	< 2.56
PFDoA	< 3.17	< 4.06	< 2.42	< 2.56
PFBS	< 6.33	< 8.13	< 4.84	< 5.11
PFHxS	< 6.33	< 8.13	< 4.84	< 5.11
PFOS	< 6.33	< 8.13	< 4.84	< 5.11
PFOSA	< 3.17	< 4.06	< 2.42	< 2.56

NOTES:

1. ng/l: Nanograms per liter (perts per trillion(ppt))
2. Relative Well Position for all sampling points is downgradient of the facility unless otherwise noted

Solid Waste Perflourochemicals (PFCs) Evaluation
Groundwater Data
2007 and 2008 Sampling Events

CLIENT ID	Vonco MW-5A DUP	Vonco MW-5A	Vonco MW-5B	Voyageurs Ind. MW-4(01)
Date:		2008	9/20/2007	2007
Realitive Well Position	L10688-3			
AXYS ID	WG23996	L11970-11	L10406-13	L9924-19
WORKGROUP	0.489 L	WG27121	WG23434	WG22125
Sample Size	12/00/07	0.502 L	0.505 L	0.491 L
UNITS	ng/L	ng/L	ng/L	ng/L
PFBA	36	72.3	5.91	3.12
PFPeA	7.67	15.2	< 2.48	< 2.58
PFHxA	11.7	23.9	< 2.48	< 2.67
PFHpA	7.35	11.9	< 2.48	< 2.67
PFOA	3.14	11.3	< 2.48	< 2.46
PFNA	< 2.56	< 2.49	< 2.48	7.02
PFDA	< 2.56	< 2.49	< 2.48	4.76
PFUnA	< 2.56	< 2.49	< 2.48	< 3.30
PFDoA	< 2.56	< 2.49	< 2.48	< 2.52
PFBS	< 5.11	5.7	< 4.95	< 5.64
PFHxS	< 5.11	6.75	< 4.95	< 5.70
PFOS	< 5.11	< 4.98	< 4.95	< 5.70
PFOSA	< 2.56	< 2.49	< 2.48	< 2.30

NOTES:

1. ng/l: Nanograms per liter (perts per trillion(ppt))
2. Relative Well Position for all sampling points is downgradient of the facility unless otherwise noted

Solid Waste Perflourochemicals (PFCs) Evaluation
Groundwater Data
2007 and 2008 Sampling Events

CLIENT ID	Voyageurs Industrial MW-4(01)	Voyageurs Ind. MW93-03	Voyageurs Industrial MW-93-03	Voyageurs Ind. MW97-01
Date:	2008	2007	2008	2007
Realitive Well Position		Upgradient	Upgradient	
AXYS ID	L11561-23	L9924-16	L11561-20	L9924-17
WORKGROUP	WG26199	WG22125	WG26199	WG22125
Sample Size	0.500 L	0.496 L	0.491 L	0.501 L
UNITS	ng/L	ng/L	ng/L	ng/L
PFBA	5.17	5.68	6.28	52
PFPeA	4.31	< 2.56	< 2.55	12.2
PFHxA	< 2.50	< 2.64	< 2.55	19.3
PFHpA	3.83	< 2.64	< 2.55	5.52
PFOA	< 2.50	< 2.44	< 2.55	14.4
PFNA	4.46	10.1	5.63	< 2.85
PFDA	6.16	< 2.79	< 2.55	< 2.76
PFUnA	5.64	< 3.27	< 2.55	< 3.23
PFDoA	< 2.50	< 2.50	< 2.55	< 2.48
PFBS	< 5.00	< 5.59	< 5.09	6.9
PFHxS	< 5.00	< 5.65	< 5.09	6.84
PFOS	< 5.00	< 5.65	< 5.09	6.81
PFOSA	< 2.50	< 2.28	< 2.55	< 2.26

NOTES:

1. ng/l: Nanograms per liter (perts per trillion(ppt))
2. Relative Well Position for all sampling points is downgradient of the facility unless otherwise noted

Solid Waste Perflourochemicals (PFCs) Evaluation
Groundwater Data
2007 and 2008 Sampling Events

CLIENT ID	Voyageurs Ind. MW-97-01 Dup	Voyageurs Industrial MW97-01	Voyageurs Ind. MW97-03	Voyageurs Industrial MW-97-03
Date:	2007	2008	2007	2008
Realitive Well Position				
AXYS ID	L9924-20	L11561-21	L9924-18	L11561-22
WORKGROUP	WG22125	WG26199	WG22125	WG26199
Sample Size	0.505 L	0.500 L	0.502 L	0.488 L
UNITS	ng/L	ng/L	ng/L	ng/L
PFBA	59.4	47.9	7.34	< 2.56
PFPeA	13.5	10	< 2.53	< 2.56
PFHxA	19.2	18.8	< 2.61	< 2.56
PFHpA	5.39	5.3	< 2.61	< 2.56
PFOA	13.9	8.05	< 2.41	< 2.56
PFNA	< 2.83	< 2.50	< 2.85	4.61
PFDA	< 2.75	< 2.50	< 2.76	2.58
PFUnA	< 3.21	< 2.50	6.49	3.28
PFDoA	< 2.46	< 2.50	< 2.47	< 2.56
PFBS	8.12	5.63	< 5.51	< 5.13
PFHxS	6.55	< 5.00	< 5.57	< 5.13
PFOS	6.32	< 5.00	< 5.57	< 5.13
PFOSA	< 2.24	< 2.50	< 2.25	< 2.56

NOTES:

1. ng/l: Nanograms per liter (perts per trillion(ppt))
2. Relative Well Position for all sampling points is downgradient of the facility unless otherwise noted

Solid Waste Perflourochemicals (PFCs) Evaluation
Groundwater Data
2007 and 2008 Sampling Events

CLIENT ID	Wanamingo Dem MW-1	Wanamingo Dem MW-1 Dup	Wanamingo Demo MW-1	Wanamingo Dem MW-5
Date:	2007	2007	2008	2007
Realitive Well Position				
AXYS ID	L9968-8	L9968-9	L11970-8	L9968-7
WORKGROUP	WG22393	WG22393	WG27121	WG22393
Sample Size	0.299 L	0.288 L	0.503 L	0.299 L
UNITS	ng/L	ng/L	ng/L	ng/L
PFBA	22.5	26.9	27.2	16.6
PFPeA	10.4	11.6	7.85	6.25
PFHxA	12.3	13.5	9.08	5.22
PFHpA	6.47	6.87	< 4.57	< 4.18
PFOA	15.5	16.9	4.03	< 4.18
PFNA	< 4.18	< 4.34	< 2.49	< 4.18
PFDA	< 4.18	< 4.34	< 2.49	< 4.18
PFUnA	< 4.18	< 4.34	< 2.49	< 4.18
PFDoA	< 4.18	< 4.34	< 2.49	< 4.18
PFBS	< 8.35	< 8.67	< 4.97	< 8.35
PFHxS	21.8	21.6	< 4.97	< 8.35
PFOS	< 8.35	< 8.67	< 4.97	< 8.35
PFOSA	< 4.18	< 4.34	< 2.49	< 4.18

NOTES:

1. ng/l: Nanograms per liter (perts per trillion(ppt))
2. Relative Well Position for all sampling points is downgradient of the facility unless otherwise noted

Solid Waste Perflourochemicals (PFCs) Evaluation
Groundwater Data
2007 and 2008 Sampling Events

CLIENT ID	Wanamingo Demo MW-5	Wanamingo Dem MW-9	Wanamingo Demo MW-9	Waste Mgt. Demo MW-1
Date:	2008	2007	2008	2007
Realitive Well Position		Upgradient	Upgradient	
AXYS ID	L11970-7	L9968-10	L11970-9	L9961-28
WORKGROUP	WG27121	WG22393	WG27121	WG22348
Sample Size	0.504 L	0.295 L	0.508 L	0.358 L
UNITS	ng/L	ng/L	ng/L	ng/L
PFBA	21.9	< 4.23	4.31	< 3.50
PFPeA	5.04	< 4.23	< 2.46	< 3.50
PFHxA	5.05	< 4.23	< 2.46	< 3.50
PFHpA	< 5.84	< 4.23	< 2.46	< 3.50
PFOA	4.73	< 4.23	< 2.46	< 3.50
PFNA	< 2.48	< 4.23	< 2.46	< 3.50
PFDA	< 2.48	< 4.23	< 2.46	< 3.50
PFUnA	< 2.48	< 4.23	< 2.46	< 3.50
PFDoA	< 2.48	< 4.23	< 2.46	< 3.50
PFBS	< 4.96	< 8.47	< 4.92	< 6.99
PFHxS	< 4.96	< 8.47	< 4.92	< 6.99
PFOS	< 4.96	< 8.47	< 4.92	< 6.99
PFOSA	< 2.48	< 4.23	< 2.46	< 3.50

NOTES:

1. ng/l: Nanograms per liter (perts per trillion(ppt))
2. Relative Well Position for all sampling points is downgradient of the facility unless otherwise noted

Solid Waste Perflourochemicals (PFCs) Evaluation
Groundwater Data
2007 and 2008 Sampling Events

CLIENT ID	Waste Mgmt. Demo MW-1	Waste Mgt. Demo MW-2	Waste Mgmt. Demo MW-2	Waste Mgt. Demo MW-3
Date:	2008	2007	2008	2007
Realitive Well Position				Upgradient
AXYS ID	L12039-15	L9961-27	L12039-14	L9961-29
WORKGROUP	WG27270	WG22348	WG27270	WG22348
Sample Size	0.505 L	0.303 L	0.499 L	0.315 L
UNITS	ng/L	ng/L	ng/L	ng/L
PFBA	< 2.47	7.45	< 2.51	< 3.97
PFPeA	< 2.47	< 4.12	< 2.51	< 3.97
PFHxA	< 2.47	< 4.12	< 2.51	< 3.97
PFHpA	< 2.47	< 4.12	< 2.51	< 3.97
PFOA	< 2.47	< 4.12	< 2.51	< 3.97
PFNA	< 2.47	< 4.12	< 2.51	< 3.97
PFDA	< 2.47	< 4.12	< 2.51	< 3.97
PFUnA	< 2.47	< 4.12	< 2.51	< 3.97
PFDoA	< 2.47	< 4.12	< 2.51	< 3.97
PFBS	< 4.95	< 8.24	< 5.01	< 7.94
PFHxS	< 4.95	< 8.24	< 5.01	< 7.94
PFOS	< 4.95	< 8.24	< 5.01	< 7.94
PFOSA	< 2.47	< 4.12	< 2.51	< 3.97

NOTES:

1. ng/l: Nanograms per liter (perts per trillion(ppt))
2. Relative Well Position for all sampling points is downgradient of the facility unless otherwise noted

Solid Waste Perflourochemicals (PFCs) Evaluation
Groundwater Data
2007 and 2008 Sampling Events

CLIENT ID	Waste Mgmt. Demo MW-3	Waste Mgmt. Demo MW-3 Dup	Western Stearns MW-10	Western Stearns Demo MW-10
Date:	2008	2008	2007	2008
Realitive Well Position	Upgradient	Upgradient		
AXYS ID	L12039-16	L12039-17	L9920-32	L12039-26
WORKGROUP	WG27270	WG27270	WG22124	WG27270
Sample Size	0.506 L	0.505 L	0.489 L	0.507 L
UNITS	ng/L	ng/L	ng/L	ng/L
PFBA	< 2.47	< 2.47	24.6	79
PFPeA	< 2.47	< 2.47	21.8	D 123
PFHxA	< 2.47	< 2.47	28.7	D 219
PFHpA	< 2.47	< 2.47	14.2	D 131
PFOA	< 2.47	< 2.47	7.87	D 69.3
PFNA	< 2.47	< 2.47	< 2.92	< 7.40
PFDA	< 2.47	< 2.47	< 2.83	< 7.40
PFUnA	< 2.47	< 2.47	< 3.31	< 7.40
PFDoA	< 2.47	< 2.47	< 2.53	< 7.40
PFBS	< 4.94	< 4.95	< 12.3	< 108
PFHxS	< 4.94	< 4.95	22.6	D 54.6
PFOS	< 4.94	< 4.95	< 5.72	< 14.8
PFOSA	< 2.47	< 2.47	< 2.31	< 7.40

NOTES:

1. ng/l: Nanograms per liter (perts per trillion(ppt))
2. Relative Well Position for all sampling points is downgradient of the facility unless otherwise noted

Solid Waste Perflourochemicals (PFCs) Evaluation
Groundwater Data
2007 and 2008 Sampling Events

CLIENT ID	Western Stearns MW-7	Western Stearns Demo MW-7	Western Stearns MW-9	Western Stearns Demo MW-9
Date:	2007	2008	2007	2008
Realitive Well Position	Upgradient	Upgradient		
AXYS ID	L9920-30	L12039-24	L9920-31	L12084-1
WORKGROUP	WG22124	WG27270	WG22124	WG27385
Sample Size	0.502 L	0.496 L	0.489 L	0.490 L
UNITS	ng/L	ng/L	ng/L	ng/L
PFBA	6.93	4.97	16.4	< 14.2
PFPeA	< 2.53	< 2.52	27.5	18.6
PFHxA	< 2.61	< 2.52	32	22.2
PFHpA	< 2.61	< 2.52	15	15.2
PFOA	< 2.41	< 2.52	9.86	8.1
PFNA	< 2.85	< 2.52	< 2.92	< 2.55
PFDA	< 2.76	< 2.52	< 2.83	< 2.55
PFUnA	< 3.23	< 2.52	< 3.31	< 2.55
PFDoA	< 2.47	< 2.52	< 2.54	< 2.55
PFBS	< 5.52	< 5.04	< 8.34	< 5.10
PFHxS	< 5.58	< 5.04	17.7	9.35
PFOS	< 5.58	< 5.04	< 5.73	< 5.10
PFOSA	< 2.25	< 2.52	< 2.31	< 2.43

NOTES:

1. ng/l: Nanograms per liter (perts per trillion(ppt))
2. Relative Well Position for all sampling points is downgradient of the facility unless otherwise noted