

Low Flow Ground Water Sampling Log

Well information:

Start Purge Time: 15:20

End Purge Time: 16:05

Water sample:

Time collected: 10.00

Total volume of purged water removed: ~ 1.5 gal

Physical appearance at start

Physical appearance at sampling

Color Light Brown
Odor no
Product no

50 - 3.0 mg/L

Color	<u>light brown</u>
Odor	<u>no</u>
Product	<u>no</u>

Field Test Results:

Dissolved ferrous iron:

Dissolved total iron:

Dissolved total manganese:

Analytical Parameters:

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1/28/2008

Low Flow Ground Water Sampling Log

Well information:

Start Purge Time: 13:44

End Purge Time:

Total volume of purged water removed: *~ 2.9 gal*

Sheen/Free Product *ns***Analytical Parameters:**

1/28/2008

Low Flow Ground Water Sampling Log

Well information:

Start Purge Time: 1215

End Purge Time: 1245

Water sample:

Time collected: 1245-

Total volume of purged water removed: ~ 2 gal

Physical appearance at start

Physical appearance at sampling

Color *black*

D.O. $\rightarrow$ 4.00 mg/L

Color *c/c*

Odor *ND*

Odor *AVC*

Sheen/Free Product *NO*Sheen/Free Product *AD*

Field Test Results:

Dissolved ferrous iron:

Dissolved total iron:

Dissolved total manganese:

Analytical Parameters:

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Low Flow Ground Water Sampling Log

Well information:

Start Purge Time:

End Purge Time:

Water sample:

Time collected: 1510

Total volume of purged water removed:

Physical appearance at start

Physical appearance at sampling

Color *cl/cream*

Color *cl. gray*

Odor no

Odor *no*

Sheen/Free Product noSheen/Free Product 

Field Test Results:

Dissolved ferrous iron:

Dissolved total iron:

Dissolved total manganese:

Analytical Parameters:

BD collected

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1/28/2008

Log

1/28/2008

Low Flow Ground Water Sampling Log

Well information:

Start Purge Time: 1220

End Purge Time: _____

Water sample:

Time collected: 1300

Total volume of purged water removed: ~2 gal

Physical appearance at start

Physical appearance at sampling

Color clay

Color *C/C.52v*

Odor None

Odor no

Sheen/Free Product *no*Sheen/Free Product ~2

Field Test Results:

Dissolved ferrous iron:

Dissolved total iron:

Dissolved total manganese:

Analytical Parameters:

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Low Flow Ground Water Sampling Log

Well information:

Start Purge Time: 1000

End Purge Time:

Water sample:

Time collected: 1030

Total volume of purged water removed: 6 gal

Physical appearance at start

Physical appearance at sampling

Color

Color *Green*

Odor

Odor *wd*

Sheen/Free Product

Sheen/Free Product -0

Field Test Results:

Dissolved ferrous iron:

Dissolved total iron:

Dissolved total manganese:

Analytical Parameters: $VOCs + PCBs$

ms/msd collected

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Low Flow Ground Water Sampling Log

Well Information:

Start Purge Time: 1340

End Purge Time: 1430

Water sample:

Time collected: 1440

Total volume of purged water removed:

Physical appearance at sampling

Physical appearance at start

Color slate exchange

Odor *uv*

Sheen/Free Product 2D

D.O. - 8.2 mg/l

Color *light orange*

Odor no

Sheen/Free Product 20

Field Test Results:

Dissolved ferrous iron:

Dissolved total iron:

Dissolved total manganese:

Analytical Parameters:

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Low Flow Ground Water Sampling Log

Well information:

Start Purge Time:	1255
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End Purge Time: 1340

Field Test Results:	Dissolved ferrous iron:	NA
	Dissolved total iron:	NA
	Dissolved total manganese:	NA

[illegible]



JTM Associates – Richardson Hill Road Landfill Field Data Sheet

Sample Location: RH-1

Sample Date: 3/21/08 Sample Time: 11:25 am

Sample ID: XEH-01XX-0801-XX

Sampler(s) Name: M. Wiley

Weather Conditions: windy 25° F

Field Observation(s)/Well Condition:

Purge Date: 3/2/08

Purge Method: Submersible Pump

Sample Method: Submersible Pump

Ambient PID $\angle$ PPM

Well Head PID < PPM

Well Head LFL %
% /

Static Water Level	19.90'	Water Column Height	51.55'
LNAPL	N/D	1 Purge Volume	8 gal
DNAPL	N/D	Purge Rate	16.9 ml (58-vei) →
Well Depth	71.45'	Approximate Volume Purged	16.5 gal

[illegible]

Comments: Ferrus 100N - 2.2 mg/L

Purge Water Collected and Transported to RHRL Groundwater Treatment Plant	YES / NO
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EPA Oversight Personnel Present: YES ☒ NO ☐



JT Associates – Richardson Hill Road Landfill Field Data Sheet

Sample Location: RH-2

Sample Date: 3/24/08 Sample Time: 12:56 pm

Sample ID: X2H-02XX-0801-XX

Sampler(s) Name: M. Wilsey Weather Conditions: Sunny 240°F

Field Observation(s)/Well Condition: _____

Purge Date: 3/24/08

Purge Method: Submersible Pump

Sample Method: Submersible Pump

Ambient PID <1 PPM

Well Head PID <1 PPM

Well Head LEL <1 %

Static Water Level	16.37	Water Column Height	72.97
LNAPL	N/D	1 Purge Volume	12 gal
DNAPL	N/D	Purge Rate	0.5 gal/min (1st Vel.) → 500 ml/min
Well Depth	89.34	Approximate Volume Purged	15 gal

Volume Removed	1205	1229	1234	1234	1244	1249	1254	Stabilization Criteria
Time	1205	1229	1234	1234	1244	1249	1254	
Static Water Level	16.37	17.85	17.85	17.85	17.85	17.85	17.85	< 0.3 feet
Purge Rate	1.56 gpm	500 ml	500 ml	500 ml	500 ml	500 ml	500 ml	< 500 mls /min
PH	5.7	6.4	6.0	6.4	6.2	6.2	6.3	+/- 0.1 s.u.
Specific Conductance	154	140	137	140	140	140	139	+/- 3 %
Temperature	4	10	10	11	11	11	11	+/- 1 °C
Turbidity	11	15	16	15	11	10	9	+/- 10 % or <10
Dissolved Oxygen	4.1	4.1	4.1	4.1	4.1	4.1	4.1	+/- 10 %
Redox Potential	144.5	163.2	121.7	104.2	117.5	113.4	114.0	+/- 10 mV
Observation								

Comments: MS MSD Collected
Ferris Iron - 2.2 mg/L

Purge Water Collected and Transported to RHRL Groundwater Treatment Plant YES NO

EPA Oversight Personnel Present YES NO



JTM Associates – Richardson Hill Road Landfill Field Data Sheet

Sample Location: R4-3

Sample Date: 3/24/08 Sample Time: 2:30pm

Sample Time: 2:30pm

Sample ID: XEH-03XX-0821-XX

Sampler(s) Name: M. Wilsey

Weather Conditions: Sunny ~40°F

Field Observation(s)/Well Condition:

Purge Date: 3/24/08

Purge Method: Submersible Pump

Sample Method: Submersible Pump

Ambient PID $\angle$ PPM

Well Head PID < 1 PPM

Well Head LEL ≤ 1 %

Static Water Level	14.10	Water Column Height	52.5'Z
LNAPL	N/D	1 Purge Volume	8.5 gal
DNAPL	N/D	Purge Rate	.54 gpm (15% vol.)
Well Depth	66.62	Approximate Volume Purged	12 gal

[illegible]

Comments: Ferrous 1000 - 2.2 mg/L

Purge Water Collected and Transported to RHRL Groundwater Treatment Plant YES / NO

EPA Oversight Personnel Present: YES/ NO



JTM Associates – Richardson Hill Road Landfill Field Data Sheet

Sample Location: RH-45

Sample Date: 3/24/08 Sample Time: 3:50 am

Sample Time: 3:50 pm

Sample ID: X24-045X-0801-XX

Sampler(s) Name: M. Wilsey

Weather Conditions: Sunny ~ 46°F

Field Observation(s)/Well Condition:

Purge Date: 3/24/08

Purge Method: Submersible Pump

Sample Method: Submersible Pump

Ambient PID $\angle l$ PPM

Well Head PID $\angle l$ PPM

Well Head LEL	$\angle /$	%
100	100	100
90	90	90
80	80	80
70	70	70
60	60	60
50	50	50
40	40	40
30	30	30
20	20	20
10	10	10
0	0	0

Static Water Level	9.47	Water Column Height	9.59
LNAPL	N/D	1 Purge Volume	1.5 gal
DNAPL	N/D	Purge Rate	500 ml/min
Well Depth	19.06	Approximate Volume Purged	5 gal

[illegible]

Comments: Ferrus 1000 - 12 mg/L

Purge Water Collected and Transported to RHRL Groundwater Treatment Plant	YES / NO

EPA Oversight Personnel Present: ~~YES~~/NO



JTM Associates -- Richardson Hill Road Landfill Field Data Sheet

Sample Location: RH-4D

Sample Date: 3/24/08 Sample Time:

Sample Time:

Sample ID: X2H-04DX-0801-XX

Sampler(s) Name: M. Wilsey

Weather Conditions: Sunny 24.0°F

Field Observation(s)/Well Condition:

Purge Date: 3/24/08

Purge Method: Submersible Pump

Sample Method: Submersible Pump

Ambient PID 41 PPM

Well Head PID < (PPM

Well Head LEL	<1	%
1	1	100
2	1	100
3	1	100
4	1	100
5	1	100
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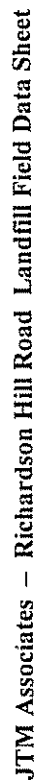
Static Water Level	9.15'	Water Column Height	28.50'
LNAPL	N/D	1 Purge Volume	4.5 gal
DNAPL	N/D	Purge Rate	.54 gpm (81500) → 500 ml/min
Well Depth	37.65'	Approximate Volume Purged	12 gal

[illegible]

Comments: Sheen on purge water
Ferrous iron - 4.2 mg/L

Purge Water Collected and Transported to RHRL Groundwater Treatment Plant YES / NO

EPA Oversight Personnel Present: YES/NO



Sample Time: 9:17 am

Weather Conditions: Sunny ~40°F

Field Observation(s)/Well Condition:

Sample Method: Submersible Pump

Well Head LEL 2 / 1 %

Static Water Level	15.05'	Water Column Height	11.45'
LNAPL	N/D	1 Purge Volume	7 L
DNAPL	N/D	Purge Rate	500 ml/min
Well Depth	24.50'	Approximate Volume Purged	

[illegible]

Comments: DRY @ 249.1m 3/25/08, 3/26/08 20905 wvl = 15.21'

Purge Water Collected and Transported to RHRL Groundwater Treatment Plant	YES/ NO
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EPA Oversight Personnel Present: YES/NO



JTM Associates – Richardson Hill Road Landfill Field Data Sheet

Sample Location: RH-5D

Sample Date: 3/15/08 Sample Time: 4:56 pm

Sample Time: 456 pm

Sample ID: XEH-05DX-0801-XX

Sampler(s) Name: M. Wilsey

Weather Conditions: *windy ~ 35 mph*

Field Observation(s)/Well Condition:

Purge Date: 3/25/08

Purge Method: Submersible Pump

Sample Method: Submersible Pump

Ambient PID $\epsilon /$ PPM

Well Head PID < / ppm

Well Head LEL, %

Static Water Level	15.50'	Water Column Height	33.65'
LNAPL	N/D	1 Purge Volume	5.5 gal
DNAPL	N/D	Purge Rate	50 ml/min
Well Depth	49.55'	Approximate Volume Purged	13.5 gal

[illegible]

Comments:

Purge Water Collected and Transported to RHRL Groundwater Treatment Plant	YES / NO
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EPA Oversight Personnel Present: YES/NO



JTM Associates – Richardson Hill Road Landfill Field Data Sheet

Sample Location: RH-LS Sample Date: 3/26/08 Sample Time: 2:35 pm
Sample ID: XCH-065X-0801-XX Sampler(s) Name: M. Wilsey Weather Conditions: Sunny & 40°F

Field Observation(s)/Well Condition: _____

Purge Date: 3/26/08 Purge Method: Submersible Pump Sample Method: Submersible Pump
Ambient PID c / PPM Well Head PID c / PPM Well Head LEL c / %

Static Water Level	16.11'	Water Column Height	10.75'
LNAPL	N/D	1 Purge Volume	6.5L
DNAPL	N/D	Purge Rate	500ml/min
Well Depth	26.85'	Approximate Volume Purged	30.5L

Volume Removed	Time	158	203	208	213	218	223	228	233	Stabilization Criteria
Static Water Level	16.47	16.63	16.63	16.65	16.72	16.70	16.70	16.70	16.70	< 0.3 feet
Purge Rate	500ml	500ml	500ml	500ml	500ml	500ml	500ml	500ml	500ml	< 500 mls /min
PH	6.7	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	+/- 0.1 s.u.
Specific Conductance	290	317	323	329	340	342	346	347	347	+/- 3 %
Temperature	11	11	11	11	11	11	11	11	11	+/- 1 °C
Turbidity	414	111	57	35	25	19	15	14	9	+/- 10 % or <10
Dissolved Oxygen	21	41	41	41	41	41	41	41	41	+/- 10 %
Redox Potential	104.0	92.7	80.6	65.6	54.1	45.2	33.3	27.3	24.9	+/- 10 mV
Observation										

Comments: Ferrous Iron - 1.6 mg/L

Purge Water Collected and Transported to RHRL Groundwater Treatment Plant YES / NO _____

EPA Oversight Personnel Present: YES / NO _____



JTM Associates -- Richardson Hill Road Landfill Field Data Sheet

Sample Location: RH-75 Sample Date: 3/27/08 Sample Time: 059 am
Sample ID: X2H-075X-0801-XX Sampler(s) Name: M. Wilsey Weather Conditions: Cloudy ~ 30°F

Field Observation(s)/Well Condition: _____

Purge Date: 3/27/08 Purge Method: Submersible Pump Sample Method: Submersible Pump
Ambient PID < 1 PPM Well Head PID < 1 PPM Well Head LEL < 1 %

Static Water Level	6.95'	Water Column Height	17.85'
LNAPL	N/D	Purge Volume	12 L
DNAPL	N/D	Purge Rate	520 ml/min
Well Depth	26.80'	Approximate Volume Purged	40 L

Volume Removed	837	901	906	911	916	921	926	931	936	941	946	951	956	Stabilization Criteria
Time														
Static Water Level	6.95	9.49	9.43	9.44	9.52	9.50	9.47	9.47	9.47	9.47	9.47	9.47	9.47	< 0.3 feet
Purge Rate	500 ml	500 ml	500 ml	500 ml	500 ml	500 ml	500 ml	500 ml	500 ml	500 ml	500 ml	500 ml	500 ml	< 500 mls/min
PH	6.4	6.3	6.4	6.4	6.4	6.3	6.3	6.3	6.3	6.4	6.4	6.4	6.4	+/- 0.1 s.u.
Specific Conductance	213	204	201	199	200	199	200	201	199	197	194	193	191	+/- 3 %
Temperature	7	9	9	9	9	9	9	9	9	9	9	9	9	+/- 1 °C
Turbidity	5969	787	483	374	274	193	153	130	97	93	77	50	74	+/- 10 % or < 10
Dissolved Oxygen	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	+/- 10 %
Redox Potential	68.4	33.6	37.2	36.4	39.0	40.5	43.3	41.2	42.8	43.6	45.5	48.1	76.8	+/- 10 mV
Observation														

Comments: _____

Purge Water Collected and Transported to RHRL Groundwater Treatment Plant YES NO

EPA Oversight Personnel Present YES NO



Sample Location: RH-7D

Sample Date: 3/28/08

Sample Time: 7:47 am

Sample ID: YEH-C7DX-0801-XX

Sampler(s) Name: M. Wilsey

Weather Conditions: cloudy ~ 35°F

Field Observation(s)/Well Condition:

Purge Date: 3/27/08

Purge Method: Submersible Pump

Sample Method: Submersible Pump

Ambient PID < | PPM

Well Head PID $\leq$ _____ PPMWell Head LEL $\leq$ _____ %

Static Water Level	8.77'	Water Column Height	34.01'
LNAPL	N/D	1 Purge Volume	5.5 gal
DNAPL	N/D	Purge Rate	1.84 gpm (1st vol)
Well Depth	42.78'	Approximate Volume Purged	9 L

[illegible]

Comments: DRY to the pump, 3/28/08 @ 0735 vol = 14.70'

Purge Water Collected and Transported to RHRL Groundwater Treatment Plant YES / NO

EPA Oversight Personnel Present: YES/ NO



JTM Associates – Richardson Hill Road Landfill Field Data Sheet

Sample Location: RH-85

Sample Date: 3/25/08 Sample Time: 10¹⁶ am

Sample Time: 10¹⁶ cm

Sample ID: XPH-085X-0801-XX

Sampler(s) Name: M. Wilsey

Weather Conditions: windy ~35°f

Field Observation(s)/Well Condition:

Purge Date: 3/25/08

Purge Method: Submersible Pump

Sample Method: Submersible Pump

Ambient PID < / PPM

Well Head PID < / PPM

Well Head LEL $\leq$ %

Static Water Level	11.23'	Water Column Height	18.42'
LNAPL	N/D	1-Purge Volume	3.5 gal
DNAPL	N/D	Purge Rate	500 ml/min
Well Depth	30.5'	Approximate Volume Purged	4.5 gal

[illegible]

Comments: Ferrus Ren - 1.6 mg/L

Purge Water Collected and Transported to RHRL Groundwater Treatment Plant YES / NO

EPA Oversight Personnel Present: YES / NO



JTM Associates – Richardson Hill Road Landfill Field Data Sheet

Sample Location: RH-8D Sample Date: 3/25/08 Sample Time: _____
Sample ID: RH-08DX-0801-XX Sampler(s) Name: M. Wilsey Weather Conditions: WINDY ~35°F
Field Observation(s)/Well Condition: _____
Purge Date: 3/25/08 Purge Method: Submersible Pump Sample Method: Submersible Pump
Ambient PID <1 PPM Well Head PID <1 PPM Well Head LEL <1 %

Static Water Level	13.00'	Water Column Height	35.85'
LNAPL	N/D	1 Purge Volume	23 gal
DNAPL	N/D	Purge Rate	540 ml (st vel) ~ 500 ml/min
Well Depth	48.85'	Approximate Volume Purged	29 gal

Volume Removed																			Stabilization Criteria
Time	1038	1825	1830	1135	1140	1145	1150	1155	1200	1205	1210								<0.3 feet
Static Water Level	13.00	13.45	13.43	13.47	13.47	13.49	13.47	13.47	13.47	13.47	13.47								<500 mls /min
Purge Rate	540 ml	500 ml	500 ml	500 ml	500 ml	500 ml	500 ml	500 ml	500 ml	500 ml	500 ml								+/- 0.1 s.u.
PH	6.7	6.6	6.6	6.5	6.4	6.3	6.3	6.3	6.3	6.3	6.3								+/- 3 %
Specific Conductance	336	297	295	295	293	291	290	290	291	291	291								+/- 1 °C
Temperature	9	10	11	11	11	11	12	11	11	11	11								+/- 10 % or <10
Turbidity	11	6	7	8	8	7	7	7	7	7	7								+/- 10 %
Dissolved Oxygen	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1								+/- 10 mV
Redox Potential	22.1	-6.7	-22.4	-30.8	-18.3	-9.3	-3.2	3.8	11.9	15.3	18.1								
Observation																			

Comments: Ferrous iron - 1.6 mg/L

Purge Water Collected and Transported to RHRL Groundwater Treatment Plant YES / NO _____

EPA Oversight Personnel Present: YES / NO _____



JTM Associates – Richardson Hill Road Landfill Field Data Sheet

Sample Location: RH-9D

Sample Date: 3/20/08

Sample Time: 6:05 pm

Sample ID: Y2H-09DX-0501-XX

Sampler(s) Name: M. Wilsey

Weather Conditions: Overcast ~ 30° F

Field Observation(s)/Well Condition: _____

Purge Date: 3/20/08

Purge Method: Submersible Pump

Sample Method: Submersible Pump

Ambient PID < 1 PPM

Well Head PID < 1 PPM

Well Head LEL < 1 %

Static Water Level	7.02'	Water Column Height	58.17'
LNAPL	N/D	1 Purge Volume	38 gal
DNAPL	N/D	Purge Rate	14 ppm (1st vol) → 500 ml/min → 300 ml/min
Well Depth	65.19'	Approximate Volume Purged	45 gal

Volume Removed	Time	12.58	10.3	10.8	11.3	11.8	12.3	12.8	13.3	13.8	14.3	14.8	15.3	Stabilization Criteria
Static Water Level	7.02	15.02	14.74	14.44	14.13	13.79	13.40	13.02	12.67	12.67	12.67	12.68	12.69	< 0.3 feet
Purge Rate	14 ppm	500 ml	500 ml	500 ml	500 ml	500 ml	500 ml	500 ml	500 ml	500 ml	500 ml	500 ml	500 ml	< 500 mls /min
PH	12.8	11.8	10.5	9.4	9.5	9.5	9.5	9.5	9.8	9.6	9.6	9.6	9.6	+/- 0.1 s.u.
Specific Conductance	849	388	157	157	162	164	167	168	168	167	164	164	164	+/- 3 %
Temperature	8	9	10	10	10	10	10	10	10	10	10	10	10	+/- 1 °C
Turbidity	544	299	299	299	299	299	299	299	299	299	299	299	299	+/- 10 % or <10
Dissolved Oxygen	21	21	21	21	21	21	21	21	21	21	21	21	21	+/- 10 %
Redox Potential	-40.3	-140.7	-135.5	-142.7	-164.4	-182.4	—	—	—	—	66.1	65.0	65.4	+/- 10 mV
Observation														

Comments: _____

Purge Water Collected and Transported to RHRL Groundwater Treatment Plant YES NO

EPA Oversight Personnel Present: YES NO



JTM Associates – Richardson Hill Road Landfill Field Data Sheet

Sample Location: RH-10D

Sample Date: 3/19/08

Sample Time: 5:19 pm

Sample ID: XXH - 10DX-0801-XX

Sampler(s) Name: M. Wilsey

Weather Conditions: overcast $\approx 35^{\circ}\text{F}$

Field Observation(s)/Well Condition:

Purge Date: 3/15/08

Purge Method: Submersible Pump

Sample Method: Submersible Pump

Ambient PID 4.1 PPM

Well Head PID $\angle I$ PPM

Well Head LEL	<1	%
1	1	100
2	1	100
3	1	100
4	1	100
5	1	100
6	1	100
7	1	100
8	1	100
9	1	100
10	1	100
11	1	100
12	1	100
13	1	100
14	1	100
15	1	100
16	1	100
17	1	100
18	1	100
19	1	100
20	1	100
21	1	100
22	1	100
23	1	100
24	1	100
25	1	100
26	1	100
27	1	100
28	1	100
29	1	100
30	1	100
31	1	100
32	1	100
33	1	100
34	1	100
35	1	100
36	1	100
37	1	100
38	1	100
39	1	100
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41	1	100
42	1	100
43	1	100
44	1	100
45	1	100
46	1	100
47	1	100
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51	1	100
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77	1	100
78	1	100
79	1	100
80	1	100
81	1	100
82	1	100
83	1	100
84	1	100
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87	1	100
88	1	100
89	1	100
90	1	100
91	1	100
92	1	100
93	1	100
94	1	100
95	1	100
96	1	100
97	1	100
98	1	100
99	1	100
100	1	100

Static Water Level	15'3"	Water Column Height	88.8'±
LNAPL	N/D	1 Purge Volume	60 gal
DNAPL	N/D	Purge Rate	14 ppm (1st vol) --
Well Depth	90.35'	Approximate Volume Purged	10.2 gal

[illegible]

Comments: Ferrons 110N - 2.2 mg/L

Purge Water Collected and Transported to RHRL Groundwater Treatment Plant	YES / NO
1.00	YES
1.01	YES
1.02	YES
1.03	YES
1.04	YES
1.05	YES
1.06	YES
1.07	YES
1.08	YES
1.09	YES
1.10	YES
1.11	YES
1.12	YES
1.13	YES
1.14	YES
1.15	YES
1.16	YES
1.17	YES
1.18	YES
1.19	YES
1.20	YES
1.21	YES
1.22	YES
1.23	YES
1.24	YES
1.25	YES
1.26	YES
1.27	YES
1.28	YES
1.29	YES
1.30	YES
1.31	YES
1.32	YES
1.33	YES
1.34	YES
1.35	YES
1.36	YES
1.37	YES
1.38	YES
1.39	YES
1.40	YES
1.41	YES
1.42	YES
1.43	YES
1.44	YES
1.45	YES
1.46	YES
1.47	YES
1.48	YES
1.49	YES
1.50	YES
1.51	YES
1.52	YES
1.53	YES
1.54	YES
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1.56	YES
1.57	YES
1.58	YES
1.59	YES
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1.63	YES
1.64	YES
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1.66	YES
1.67	YES
1.68	YES
1.69	YES
1.70	YES
1.71	YES
1.72	YES
1.73	YES
1.74	YES
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1.78	YES
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1.81	YES
1.82	YES
1.83	YES
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1.87	YES
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1.89	YES
1.90	YES
1.91	YES
1.92	YES
1.93	YES
1.94	YES
1.95	YES
1.96	YES
1.97	YES
1.98	YES
1.99	YES
2.00	YES
2.01	YES
2.02	YES
2.03	YES
2.04	YES
2.05	YES
2.06	YES
2.07	YES
2.08	YES
2.09	YES
2.10	YES
2.11	YES
2.12	YES
2.13	YES
2.14	YES
2.15	YES
2.16	YES
2.17	YES
2.18	YES
2.19	YES
2.20	YES
2.21	YES
2.22	YES
2.23	YES
2.24	YES
2.25	YES
2.26	YES
2.27	YES
2.28	YES
2.29	YES
2.30	YES
2.31	YES
2.32	YES
2.33	YES
2.34	YES
2.35	YES
2.36	YES
2.37	YES
2.38	YES
2.39	YES
2.40	YES
2.41	YES
2.42	YES
2.43	YES
2.44	YES
2.45	YES
2.46	YES
2.47	YES
2.48	YES
2.49	YES
2.50	YES
2.51	YES
2.52	YES
2.53	YES
2.54	YES
2.55	YES
2.56	YES
2.57	YES
2.58	YES
2.59	YES
2.60	YES
2.61	YES
2.62	YES
2.63	YES
2.64	YES
2.65	YES
2.66	YES
2.67	YES
2.68	

EPA Oversight Personnel Present: YES/NO



JTM Associates -- Richardson Hill Road Landfill Field Data Sheet

Sample Location: PH-1D

Sample Date: 3/20/08 Sample Time: 9:44 AM

Sample Time: 5:44 AM

Sample ID: XCH-211DX-0801-XX

Sampler(s) Name: M. Wilsey

Weather Conditions: overcast + ~30°F

Field Observation(s)/Well Condition:

Purge Date: 3/20/08

Purge Method: Submersible Pump

Sample Method: Submersible Pump

Ambient PID 41 PPM

Well Head PID <1 PPM

Well Head LEL	$\angle 1$	%
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17
18	18	18
19	19	19
20	20	20
21	21	21
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25	25	25
26	26	26
27	27	27
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83	83	83
84	84	84
85	85	85
86	86	86
87	87	87
88	88	88
89	89	89
90	90	90
91	91	91
92	92	92
93	93	93
94	94	94
95	95	95
96	96	96
97	97	97
98	98	98
99	99	99
100	100	100

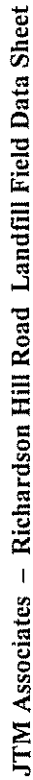
Static Water Level	27.10'	Water Column Height	18.13'
LNAPL	N/D	1 Purge Volume	12.5 gal
DNAPL	N/D	Purge Rate	500.00 gal/min
Well Depth	45.23'	Approximate Volume Purged	14 gal

[illegible]

Comments: Ferrous Iron - 2, 2 mg/L

Purge Water Collected and Transported to RHRL Groundwater Treatment Plant YES / NO

EPA Oversight Personnel Present: YES/NO



Sample Date: 3/27/08 Sample Time: 1135 AM

Sampler(s) Name: M. Wilsey

Weather Conditions: cloudy 23.5°C

Field Observation(s)/Well Condition:

Purge Method: Submersible Pump

Sample Method: Submersible Pump

Well Head PID < / PPM

Well Head LEL < / %

Static Water Level	112.4'	Water Column Height	29.39'
LNAPL	N/D	1 Purge Volume	19 gal
DNAPL	N/D	Purge Rate	16.33 (std vol) → 50
Well Depth	46.63'	Approximate Volume Purged	24 gal

[illegible]

Comments: Ferrus icon - $< 1.2 \text{ mg/L}$

Purge Water Collected and Transported to RHRL Groundwater Treatment Plant	YES / NO
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EPA Oversight Personnel Present: YES ☒ NO ☐



JTM Associates – Richardson Hill Road Landfill Field Data Sheet

Sample Location: TMW-3

Sample Date: 3/26/08 Sample Time: 3:33 p.m.

Sample Time: 3:33 p.m.

Sample ID: TMW-03XX-0801-XX

Sampler(s) Name: M. Wilsey

Weather Conditions: Sunny 245°F

Field Observation(s)/Well Condition:

Purge Date: 3/26/08

Purge Method: Submersible Pump

Sample Method: Submersible Pump

Ambient PID $\angle$ PPM

Well Head PID c / PPM

Well Head LEL	< / %
100	100
90	90
80	80
70	70
60	60
50	50
40	40
30	30
20	20
10	10
0	0

Static Water Level	13.91'	Water Column Height	8.70'
LNAPL	N/D	1 Purge Volume	5 L
DNAPL	N/D	Purge Rate	500 ml/min
Well Depth	22.11'	Approximate Volume Purged	17.5 L

[illegible]

Comments:

Purge Water Collected and Transported to RHRL Groundwater Treatment Plant	YES/ NO
1.00	YES
1.01	YES
1.02	YES
1.03	YES
1.04	YES
1.05	YES
1.06	YES
1.07	YES
1.08	YES
1.09	YES
1.10	YES
1.11	YES
1.12	YES
1.13	YES
1.14	YES
1.15	YES
1.16	YES
1.17	YES
1.18	YES
1.19	YES
1.20	YES
1.21	YES
1.22	YES
1.23	YES
1.24	YES
1.25	YES
1.26	YES
1.27	YES
1.28	YES
1.29	YES
1.30	YES
1.31	YES
1.32	YES
1.33	YES
1.34	YES
1.35	YES
1.36	YES
1.37	YES
1.38	YES
1.39	YES
1.40	YES
1.41	YES
1.42	YES
1.43	YES
1.44	YES
1.45	YES
1.46	YES
1.47	YES
1.48	YES
1.49	YES
1.50	YES
1.51	YES
1.52	YES
1.53	YES
1.54	YES
1.55	YES
1.56	YES
1.57	YES
1.58	YES
1.59	YES
1.60	YES
1.61	YES
1.62	YES
1.63	YES
1.64	YES
1.65	YES
1.66	YES
1.67	YES
1.68	YES
1.69	YES
1.70	YES
1.71	YES
1.72	YES
1.73	YES
1.74	YES
1.75	YES
1.76	YES
1.77	YES
1.78	YES
1.79	YES
1.80	YES
1.81	YES
1.82	YES
1.83	YES
1.84	YES
1.85	YES
1.86	YES
1.87	YES
1.88	YES
1.89	YES
1.90	YES
1.91	YES
1.92	YES
1.93	YES
1.94	YES
1.95	YES
1.96	YES
1.97	YES
1.98	YES
1.99	YES
2.00	YES
2.01	YES
2.02	YES
2.03	YES
2.04	YES
2.05	YES
2.06	YES
2.07	YES
2.08	YES
2.09	YES
2.10	YES
2.11	YES
2.12	YES
2.13	YES
2.14	YES
2.15	YES
2.16	YES
2.17	YES
2.18	YES
2.19	YES
2.20	YES
2.21	YES
2.22	YES
2.23	YES
2.24	YES
2.25	YES
2.26	YES
2.27	YES
2.28	YES
2.29	YES
2.30	YES
2.31	YES
2.32	YES
2.33	YES
2.34	YES
2.35	YES
2.36	YES
2.37	YES
2.38	YES
2.39	YES
2.40	YES
2.41	YES
2.42	YES
2.43	YES
2.44	YES
2.45	YES
2.46	YES
2.47	YES
2.48	YES
2.49	YES
2.50	YES
2.51	YES
2.52	YES
2.53	YES
2.54	YES
2.55	YES
2.56	YES
2.57	YES
2.58	YES
2.59	YES
2.60	YES
2.61	YES
2.62	YES
2.63	YES
2.64	YES
2.65	YES
2.66	YES
2.67	YES
2.68	

EPA Oversight Personnel Present: YES/NO



JTM Associates – Richardson Hill Road Landfill Field Data Sheet

Sample Location: TMN-4

Sample Date: 3/26/08

Sample Time: 1144 am

Sample ID: TMN-04XX-0801-XX

Sampler(s) Name: M. Wilsey

Weather Conditions: Sunny 46°F

Field Observation(s)/Well Condition: _____

Purge Date: 3/26/08

Purge Method: Submersible Pump

Sample Method: Submersible Pump

Ambient PID < 1 PPM

Well Head PID < 1 PPM

Well Head LEL < 1 %

Static Water Level	16.20'	Water Column Height	12.15'
LNAPL	N/D	1 Purge Volume	7.5 L
DNAPL	N/D	Purge Rate	500 ml/min
Well Depth	44.0 28.35'	Approximate Volume Purged	58 L

350 ml/min

Volume Removed	947	1002	1007	1012	1017	1022	1027	1032	1037	1042	1047	1052	1057	Stabilization Criteria	1102	1107
Time	947	1002	1007	1012	1017	1022	1027	1032	1037	1042	1047	1052	1057		1102	1107
Static Water Level	16.20	16.72	16.92	17.07	16.95	16.95	16.91	16.92	16.93	16.93	16.93	16.93	16.93	< 0.3 feet	16.93	16.93
Purge Rate	500 ml	500 ml	500 ml	500 ml	500 ml	500 ml	500 ml	500 ml	500 ml	500 ml	500 ml	500 ml	500 ml	< 500 mls /min	500 ml	500 ml
PH	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	+/- 0.1 s.u.	6.8	6.8
Specific Conductance	497	509	503	495	492	490	486	484	483	482	480	481	478	+/- 3 %	477	476
Temperature	8	11	11	10	11	11	11	11	11	11	11	11	11	+/- 1 °C	11	11
Turbidity	999	346	560	572	364	274	332	424	509	582	594	613	709	+/- 10 % or <10	466	386
Dissolved Oxygen	21	21	21	21	21	21	21	21	21	21	21	21	21	+/- 10 %	21	21
Redox Potential	73.3	-28.0	-35.2	-37.4	-38.6	-41.5	-43.5	-45.4	-44.0	-44.1	-44.2	-44.8	-46.0	+/- 10 mV	-45.5	-46.1
Observation																

Comments: _____

Purge Water Collected and Transported to RHRL Groundwater Treatment Plant YES / NO _____

EPA Oversight Personnel Present: YES / NO _____



Sample Date: 3/26/08

Sample Time: 11446000

Sampler(s) Name: M. Wilsey

Weather Conditions: Sunny ~ 40° F

Field Observation(s)/Well Condition:

Purge Date: 3/26/08

Purge Method: Submersible Pump

Sample Method: Submersible Pump

Ambient PID < 1 PPM

Well Head PID < / PPM

Well Head LEL $\leq$ %

Static Water Level	16.20'	Water Column Height	12.15'
LNAPL	N/D	1 Purge Volume	7.5 L
DNAPL	N/D	Purge Rate	500 ml/min
Well Depth	28.35'	Approximate Volume Purged	50 L

[illegible]

Comments: 1115 cm flow rate decreased to 350 ml/min

Purge Water Collected and Transported to RHRL Groundwater Treatment Plant	YES / NO
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EPA Oversight Personnel Present: YES / NO



JTM Associates – Richardson Hill Road Landfill Field Data Sheet

Sample Location: TMW-5

Sample Date: 3/26/08 Sample Time: 845 am

Sample Time: 8:45 am

Sample ID: TMW-05XX-0801-XX

Sampler(s) Name: M. Wilsey

Weather Conditions: Sunny ~ 40°F

Field Observation(s)/Well Condition:

Purge Date: 3/25/08

Purge Method: Submersible Pump

Sample Method: Submersible Pump

Ambient PID δ / PPM

Well Head PID $\delta /$ PPM

Well Head LEL ≤ 1 %

Static Water Level	17.50'	Water Column Height	3.14'
LNAPL	N/D	1 Purge Volume	2 L
DNAPL	N/D	Purge Rate	500 ml/min
Well Depth	171.4'	Approximate Volume Purged	2 L

[illegible]

Comments: Dry @ 154 pm 3/25/08, 3/26/08 0805 vgl = 15.22'

Independently vector first field parameters @

Purge Water Collected and Transported to RHRL Groundwater Treatment Plant (YES) / NO

EPA Oversight Personnel Present: YES/NO



JTM Associates – Richardson Hill Road Landfill Field Data Sheet

Sample Location: TMLW-6 Sample Date: 3/26/08 Sample Time: 8:15 am
Sample ID: TMLW-06XY-0801-XX Sampler(s) Name: M. Wilsey Weather Conditions: Sunny ~ 70°F

Field Observation(s)/Well Condition: _____

Purge Date: 3/25/08 Purge Method: Submersible Pump Sample Method: Submersible Pump
Ambient PID < 1 PPM Well Head PID < 1 PPM Well Head LEL < 1 %

Static Water Level	12.27'	Water Column Height	5.02'
LNAPL	N/D	1 Purge Volume	3 L
DNAPL	N/D	Purge Rate	500 ml/min
Well Depth	17.29'	Approximate Volume Purged	5.5 L

Volume Removed	3/25/08	3/26/08	3/26/08	Stabilization Criteria
Time	115	126	8:15	< 0.3 feet
Static Water Level	12.27	14.70	12.25	< 500 mls /min
Purge Rate	500 ml	500 ml	---	+/- 0.1 s.u.
PH	6.5	6.4	6.7	+/- 3 %
Specific Conductance	574	635	618	+/- 1 °C
Temperature	9	10	7	+/- 10 % or <10
Turbidity	334	370	850	+/- 10 %
Dissolved Oxygen	1.1	4.1	1.1	+/- 10 mV
Redox Potential	84.3	95.1	124.4	
Observation				

Comments: DEV @ 127 pm 3/25/08, 3/26/08 w/ @ 0800 = 12.25'

Purge Water Collected and Transported to RHRL Groundwater Treatment Plant YES / NO _____

EPA Oversight Personnel Present: YES / NO _____



JTM Associates – Richardson Hill Road Landfill Field Data Sheet

Sample Location: TMW-7

Sample Date: 3/25/08 Sample Time: 852 am

Sample Time: 852 am

Sample ID: TMW-07XX-0801-XX

Sampler(s) Name: M. Wilsey

Weather Conditions: WINDY ~35° F

Field Observation(s)/Well Condition:

Purge Date: 3/25/08

Purge Method: Submersible Pump

Sample Method: Submersible Pump

Ambient PID δ / ppm

Well Head PID $\leq$ / PPM

Well Head LEL < / %

Static Water Level	9.65'	Water Column Height	2.85'
LNAPL	N/D	1 Purge Volume	2 L
DNAPL	N/D	Purge Rate	500 ml/min
Well Depth	12.50'	Approximate Volume Purged	12 L

[illegible]

Comments: Ferrus Ren - 4.2 mg/L

Purge Water Collected and Transported to RHRL Groundwater Treatment Plant		YES / NO
1	2	3
4	5	6
7	8	9
10	11	12
13	14	15
16	17	18
19	20	21
22	23	24
25	26	27
28	29	30
31	32	33
34	35	36
37	38	39
40	41	42
43	44	45
46	47	48
49	50	51
52	53	54
55	56	57
58	59	60
61	62	63
64	65	66
67	68	69
70	71	72
73	74	75
76	77	78
79	80	81
82	83	84
85	86	87
88	89	90
91	92	93
94	95	96
97	98	99
100	101	102
103	104	105
106	107	108
109	110	111
112	113	114
115	116	117
118	119	120
121	122	123
124	125	126
127	128	129
130	131	132
133	134	135
136	137	138
139	140	141
142	143	144
145	146	147
148	149	150
151	152	153
154	155	156
157	158	159
160	161	162
163	164	165
166	167	168
169	170	171
172	173	174
175	176	177
178	179	180
181	182	183
184	185	186
187	188	189
190	191	192
193	194	195
196	197	198
199	200	201
202	203	204
205	206	207
208	209	210
211	212	213
214	215	216
217	218	219
220	221	222
223	224	225
226	227	228
229	230	231
232	233	234
235	236	237
238	239	240
241	242	243
244	245	246
247	248	249
250	251	252
253	254	255
256	257	258
259	260	261
262	263	264
265	266	267
268	269	270
271	272	273
274	275	276
277	278	279
280	281	282
283	284	285
286	287	288
289	290	291
292	293	294
295	296	297
298	299	300
301	302	303
304	305	306
307	308	309
310	311	312
313	314	315
316	317	318
319	320	321
322	323	324
325	326	327
328	329	330
331	332	333
334	335	336
337	338	339
340	341	342
343	344	345
346	347	348
349	350	351
352	353	354
355	356	357
358	359	360
361	362	363
364	365	366

EPA Oversight Personnel Present: YES/NO



JTM Associates -- Richardson Hill Road Landfill Field Data Sheet

Sample Location: TMW-8 Sample Date: 3/28/08 Sample Time: 10:34 am
Sample ID: TMW-08XX-0801-XX Sampler(s) Name: M. Wilsey Weather Conditions: cloudy ~35°F

Field Observation(s)/Well Condition: _____

Purge Date: 3/28/08 Purge Method: Submersible Pump Sample Method: Submersible Pump

Ambient PID < 1 PPM Well Head PID < 1 PPM Well Head LEL < 1 %

Static Water Level	9.46'	Water Column Height	25.69'
LNAPL	N/D	1 Purge Volume	17 gal
DNAPL	N/D	Purge Rate	16111 (1500) → 3000/min
Well Depth	35.15'	Approximate Volume Purged	

Volume Removed	9:40	10:02	10:07	10:12	10:17	10:22	10:27	10:32	Stabilization Criteria
Time	9:40	10:02	10:07	10:12	10:17	10:22	10:27	10:32	
Static Water Level	9.46	9.49	9.49	9.49	9.49	9.49	9.49	9.49	< 0.3 feet
Purge Rate	16001	50001	50001	50001	50001	50001	50001	50001	< 500 mls /min
PH	6.3	6.4	6.4	6.6	6.7	6.7	6.7	6.7	+/- 0.1 s.u.
Specific Conductance	217	216	227	251	269	277	287	281	+/- 3 %
Temperature	9	9	10	10	9	9	9	9	+/- 1 °C
Turbidity	341	61	51	37	19	18	17	16	+/- 10 % or <10
Dissolved Oxygen	41	41	41	41	41	41	41	41	+/- 10 %
Redox Potential	52.3	41.7	-8.3	-17.4	-29.2	-31.8	-38.6	-39.6	+/- 10 mV
Observation									

Comments: Ferrous iron - 0.06 mg/L

Purge Water Collected and Transported to RHRL Groundwater Treatment Plant YES / NO _____

EPA Oversight Personnel Present YES / NO _____



JTM Associates - Richardson Hill Road Landfill Field Data Sheet

Sample Location: SSC-1

Sample Date: 3/27/08

Sample Time: 2:20pm

Sample ID: SSC-01XX-0801-XX

Sampler(s) Name: M. Wilsey

Weather Conditions: light snow -35°F

Field Observation(s)/Well Condition: _____

Purge Date: 3/27/08

Purge Method: Submersible Pump

Sample Method: Submersible Pump

Ambient PID <1 PPM

Well Head PID <1 PPM

Well Head LEL <1 %

Static Water Level	13.77'	Water Column Height	26.24'
LNAPL	N/D	1 Purge Volume	69 gal
DNAPL	N/D	Purge Rate	140m → 24.6m (87min) → 500ml/min
Well Depth	40.01'	Approximate Volume Purged	72 gal

Volume Removed	Time	155	200	205	210	215	Stabilization Criteria
Static Water Level	1240	118					< 0.3 feet
Purge Rate	140m	24.6m	500ml	500ml	500ml	500ml	< 500 mls /min
PH	6.3		6.5	6.5	6.5	6.5	+/- 0.1 s.u.
Specific Conductance	130	182	148	148	147	147	+/- 3 %
Temperature	10	10	11	11	11	11	+/- 1 °C
Turbidity	81	33	9	9	9	7	+/- 10 % or <10
Dissolved Oxygen	3.3	1.9	2.5	2.5	2.7	2.7	+/- 10 %
Redox Potential	118.4	78.7	70.8	79.5	83.5	85.6	+/- 10 mV
Observation							

Comments: Stopped pump @ 100, restarted @ 118
Follows trend - 110 mg/L

Purge Water Collected and Transported to RHRL Groundwater Treatment Plant YES / NO _____

EPA Oversight Personnel Present: YES / NO _____



JT Associates – Richardson Hill Road Landfill Field Data Sheet

Sample Location: SSC-2 Sample Date: 3/27/08 Sample Time: 2:44 pm
Sample ID: SSC-02XX-0501-XX Sampler(s) Name: M. Wilsey Weather Conditions: light snow ~35°F

Field Observation(s)/Well Condition: _____

Purge Date: 3/27/08 Purge Method: Submersible Pump Sample Method: Submersible Pump
Ambient PID < 1 PPM Well Head PID < 1 PPM Well Head LEL < 1 %

Static Water Level	16.85'	Water Column Height	26.60'
LNAPL	N/D	1 Purge Volume	27 gal
DNAPL	N/D	Purge Rate	2.6 gpm (1st vol) → 5.0 gpm/min
Well Depth	46.45'	Approximate Volume Purged	29 gal

Volume Removed	Time	327	332	337	342	Stabilization Criteria									
Time	2:46	3:27	3:32	3:37	3:42										
Static Water Level	16.50	16.85	16.81	16.81	16.81	< 0.3 feet									
Purge Rate	2.6 gpm	5.0 gpm	5.0 gpm	5.0 gpm	5.0 gpm	< 500 mls /min									
PH	6.5	6.6	6.5	6.5	6.5	+/- 0.1 s.u.									
Specific Conductance	234	248	251	252	251	+/- 3 %									
Temperature	10	10	11	11	11	+/- 1 °C									
Turbidity	14	56	18	18	18	+/- 10 % or <10									
Dissolved Oxygen	21	21	21	21	21	+/- 10 %									
Redox Potential	104.5	45.9	42.3	41.5	43.3	+/- 10 mV									
Observation															

Comments: _____

Purge Water Collected and Transported to RHRL Groundwater Treatment Plant YES / NO _____

EPA Oversight Personnel Present YES / NO _____



JTM Associates – Richardson Hill Road Landfill Field Data Sheet

Sample Location: SSC-3

Sample Date: 3/27/08 Sample Time: 5:01 pm

Sample Time: 5:01 p.m.

Sample ID: SSC - 03XX-0801-XX

Sampler(s) Name: M. Wilsey

Weather Conditions: *light snow ~ 35°F*

Field Observation(s)/Well Condition:

Purge Date: 3/27/08

Purge Method: Submersible Pump

Sample Method: Submersible Pump

Ambient PID < / PPM

Well Head PID < / ppm

Well Head LEL	$\leq$ J	%
1	1	100
2	1	100
3	1	100
4	1	100
5	1	100
6	1	100
7	1	100
8	1	100
9	1	100
10	1	100
11	1	100
12	1	100
13	1	100
14	1	100
15	1	100
16	1	100
17	1	100
18	1	100
19	1	100
20	1	100
21	1	100
22	1	100
23	1	100
24	1	100
25	1	100
26	1	100
27	1	100
28	1	100
29	1	100
30	1	100
31	1	100
32	1	100
33	1	100
34	1	100
35	1	100
36	1	100
37	1	100
38	1	100
39	1	100
40	1	100
41	1	100
42	1	100
43	1	100
44	1	100
45	1	100
46	1	100
47	1	100
48	1	100
49	1	100
50	1	100
51	1	100
52	1	100
53	1	100
54	1	100
55	1	100
56	1	100
57	1	100
58	1	100
59	1	100
60	1	100
61	1	100
62	1	100
63	1	100
64	1	100
65	1	100
66	1	100
67	1	100
68	1	100
69	1	100
70	1	100
71	1	100
72	1	100
73	1	100
74	1	100
75	1	100
76	1	100
77	1	100
78	1	100
79	1	100
80	1	100
81	1	100
82	1	100
83	1	100
84	1	100
85	1	100
86	1	100
87	1	100
88	1	100
89	1	100
90	1	100
91	1	100
92	1	100
93	1	100
94	1	100
95	1	100
96	1	100
97	1	100
98	1	100
99	1	100
100	1	100

Static Water Level	146.3'	Water Column Height	21.07
LNAPL	N/D	1 Purge Volume	55 gal
DNAPL	N/D	Purge Rate	2.6 PM (1st vol) →
Well Depth	35.70'	Approximate Volume Purged	57 gal

[illegible]

Comments: Ferrus Rev - 4.2 mg/L

Purge Water Collected and Transported to RHRL Groundwater Treatment Plant YES ☒ NO

EPA Oversight Personnel Present: ~~YES~~ NO



JTM Associates – Richardson Hill Road Landfill Field Data Sheet

Sample Location: SSC-4

Sample Date: 3/28/08

Sample Time: 905 gm

Sample ID: SSC-04XX-0801-XX

Sampler(s) Name: M. Wilsey

Weather Conditions: cloudy w 35° F

Field Observation(s)/Well Condition:

Purge Date: 3/28/08

Purge Method: Submersible Pump

Sample Method: Submersible Pump

Ambient PID δ / ppm

Well Head PID	✓ /	PPM
---------------	-----	-----

Well Head LEL $z/\%$

Static Water Level	11.95'	Water Column Height	23.51'
LNAPL	N/D	1 Purge Volume	61.541
DNAPL	N/D	Purge Rate	2.44M (154 Vol) → 5.1
Well Depth	35.46'	Approximate Volume Purged	65.941

[illegible]

Comments:

Purge Water Collected and Transported to RHRL Groundwater Treatment Plant	YES / NO
	☒ YES

EPA Oversight Personnel Present: YES/NO



JTM Associates – Richardson Hill Road Landfill Field Data Sheet

Sample Location: MM-125

Sample Date: 3/25/08 Sample Time: 452 PM

452 977

Sample ID: XMW-~~6425~~-0801-XX 125X

Sampler(s) Name: M. Wilsey

Weather Conditions: overcast ~30°F

Field Observation(s)/Well Condition:

Purge Date: 3/20/08

Purge Method: Submersible Pump

Sample Method: Submersible Pump

Ambient PID $\angle$ PPM

Well Head PID	Δ(	PPM
---------------	----	-----

Well Head LEL	≤ 1	%
1	100	100
2	100	100
3	100	100
4	100	100
5	100	100
6	100	100
7	100	100
8	100	100
9	100	100
10	100	100
11	100	100
12	100	100
13	100	100
14	100	100
15	100	100
16	100	100
17	100	100
18	100	100
19	100	100
20	100	100
21	100	100
22	100	100
23	100	100
24	100	100
25	100	100
26	100	100
27	100	100
28	100	100
29	100	100
30	100	100
31	100	100
32	100	100
33	100	100
34	100	100
35	100	100
36	100	100
37	100	100
38	100	100
39	100	100
40	100	100
41	100	100
42	100	100
43	100	100
44	100	100
45	100	100
46	100	100
47	100	100
48	100	100
49	100	100
50	100	100
51	100	100
52	100	100
53	100	100
54	100	100
55	100	100
56	100	100
57	100	100
58	100	100
59	100	100
60	100	100
61	100	100
62	100	100
63	100	100
64	100	100
65	100	100
66	100	100
67	100	100
68	100	100
69	100	100
70	100	100
71	100	100
72	100	100
73	100	100
74	100	100
75	100	100
76	100	100
77	100	100
78	100	100
79	100	100
80	100	100
81	100	100
82	100	100
83	100	100
84	100	100
85	100	100
86	100	100
87	100	100
88	100	100
89	100	100
90	100	100
91	100	100
92	100	100
93	100	100
94	100	100
95	100	100
96	100	100
97	100	100
98	100	100
99	100	100
100	100	100

Static Water Level	15.64'	Water Column Height	11.14'
LNAPL	N/D	1 Purge Volume	7.25 gal
DNAPL	N/D	Purge Rate	1.68 pm (1st vol) -
Well Depth	26.75'	Approximate Volume Purged	14 gal

[illegible]

Comments: Ferrus Nov- 2.2

Purge Water Collected and Transported to RHRL Groundwater Treatment Plant	YES / NO
1.0	YES
2.0	YES
3.0	YES
4.0	YES
5.0	YES
6.0	YES
7.0	YES
8.0	YES
9.0	YES
10.0	YES
11.0	YES
12.0	YES
13.0	YES
14.0	YES
15.0	YES
16.0	YES
17.0	YES
18.0	YES
19.0	YES
20.0	YES
21.0	YES
22.0	YES
23.0	YES
24.0	YES
25.0	YES
26.0	YES
27.0	YES
28.0	YES
29.0	YES
30.0	YES
31.0	YES
32.0	YES
33.0	YES
34.0	YES
35.0	YES
36.0	YES
37.0	YES
38.0	YES
39.0	YES
40.0	YES
41.0	YES
42.0	YES
43.0	YES
44.0	YES
45.0	YES
46.0	YES
47.0	YES
48.0	YES
49.0	YES
50.0	YES
51.0	YES
52.0	YES
53.0	YES
54.0	YES
55.0	YES
56.0	YES
57.0	YES
58.0	YES
59.0	YES
60.0	YES
61.0	YES
62.0	YES
63.0	YES
64.0	YES
65.0	YES
66.0	YES
67.0	YES
68.0	YES
69.0	YES
70.0	YES
71.0	YES
72.0	YES
73.0	YES
74.0	YES
75.0	YES
76.0	YES
77.0	YES
78.0	YES
79.0	YES
80.0	YES
81.0	YES
82.0	YES
83.0	YES
84.0	YES
85.0	YES
86.0	YES
87.0	YES
88.0	YES
89.0	YES
90.0	YES
91.0	YES
92.0	YES
93.0	YES
94.0	YES
95.0	YES
96.0	YES
97.0	YES
98.0	YES
99.0	YES
100.0	YES

EPA Oversight Personnel Present: YES ~~NO~~



JTM Associates – Richardson Hill Road Landfill Field Data Sheet

Sample Location: MW-12D

Sample Date: 3/20/08

Sample Time: 605 PM

Sample ID: XMW-12DX-0801-XX

Sampler(s) Name: M. Wilsey

Weather Conditions: overcast ~ 30% F

Field Observation(s)/Well Condition:

Purge Date: 3/20/08

Purge Method: Submersible Pump

Sample Method: Submersible Pump

Ambient PID μM

Well Head PID $\angle$ / PPM

Well Head LEL

Static Water Level	21.10'	Water Column Height	58.82'
LNAPL	N/D	1 Purge Volume	38 gal
DNAPL	N/D	Purge Rate	1.6 PM (1st vol) →
Well Depth	76.92'	Approximate Volume Purged	40 gal

[illegible]

Comments: Ferrus Nov - 2.2 mg/L

Purge Water Collected and Transported to RHRL Groundwater Treatment Plant (YES) / NO

EPA Oversight Personnel Present: YES NO



JTM Associates – Richardson Hill Road Landfill Field Data Sheet

Sample Location: MW-12DD

Sample Date: 3/21/08

Sample Time: 9:32 am

Sample ID: XMW-12DD-0801-XX

Sampler(s) Name: M. Wilsey

Weather Conditions: windy ~ 25°F

Field Observation(s)/Well Condition: _____

Purge Date: 3/21/08

Purge Method: Submersible Pump

Sample Method: Submersible Pump

Ambient PID <1 PPM

Well Head PID <1 PPM

Well Head LEL <1 %

Static Water Level	60.84'	Water Column Height	79.18'
LNAPL	N/D	1 Purge Volume	52 gal
DNAPL	N/D	Purge Rate	14 PM (15 min) → 500 ml
Well Depth	140.02'	Approximate Volume Purged	56 gal

Volume Removed	Time	800	900	905	910	915	920	925	930	Stabilization Criteria
Static Water Level	60.84	86.95	85.70	85.70	85.70	85.70	85.70	85.70	85.70	< 0.3 feet
Purge Rate	14 PM	500 ml	500 ml	500 ml	500 ml	500 ml	500 ml	500 ml	500 ml	< 500 mls /min
PH	9.3	8.8	8.7	8.8	8.9	9.0	9.0	9.0	8.9	+/- 0.1 s.u.
Specific Conductance	281	248	270	269	268	268	268	268	266	+/- 3 %
Temperature	9	8	8	9	9	9	9	9	10	+/- 1 °C
Turbidity	72	57	50	50	49	46	45	45	45	+/- 10 % or <10
Dissolved Oxygen	41	41	41	41	41	41	41	41	41	+/- 10 %
Redox Potential	25.2	88.0	48.5	36.4	21.6	15.8	13.1	10.4	10.4	+/- 10 mV
Observation										

Comments: _____

Purge Water Collected and Transported to RHRL Groundwater Treatment Plant YES / NO _____

EPA Oversight Personnel Present YES / NO _____