Appendix I

Groundwater Low-Flow Sampling Records

AECOM

Well ID: 114-MW-52D

Low Flow Ground Water Sample Collection Record

Client: PPG | Date: 11/23/21 | Time: Start ______ am/pm Finish 1200 am/pm
Project No: ~~60624621~~
Site Location: PPG Site 114
Weather Conds: Sunny 36° | Collector: S. Reyes

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 111.4 c. Length of Water Column ______ (a-b) Casing Diameter/Material ______

b. Water Table Depth 98.0 d. Calculated System Volume (see back) ______

2. WELL PURGE DATA

a. Purge Method: Low Flow Bladder pump

b. Acceptance Criteria defined (see workplan)

- Temperature 3% -D.O. 10% - Turbidity < 10 NTU
- pH ± 0.1 unit - ORP ± 10mV
- Sp. Cond. 3% - Drawdown < 0.3'

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	600XL 650MDS	probe 2176 meter 030420
Water level	Solinst Model 101P7	A04355
HATCH	2100Q	048642

3min

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
1010		8.57	12.72	4.768	3.49	-83.6	48.3	40		Yellow Tint	None
1013		8.56	12.73	4.784	3.12	-92.4	43.9				
1016		8.54	12.75	4.796	2.89	-107.9	40.6				
1019		8.55	12.76	4.800	2.77	-113.4	39.2				
1022		8.56	12.75	4.803	2.75	-114.2	38.5				
1025		8.58	12.76	4.801	2.76	-114.8	36.5				
1028		8.65	12.77	4.804	2.66	-117.0	34.5				

(continued on back)

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☐	☒
Has required turbidity been reached	☐	☒	☐
Have parameters stabilized	☒	☐	☐

If no or N/A - Explain below.
No minimum purge volume required for low-flow sampling.

3. SAMPLE COLLECTION: Method: Low Flow Bladder pump

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
(2) 114-MW-52D-104-20211123			HNO3+Non		1030
(2) 114-MW-52D-104-20211123-X (Dupe)					
(2) 114-MW-52D-104-20211123 MS					
(2) 114-MW-52D-104-20211123 MSD					

Comments: Pump on 0835; water flow 0944; purging 0958
Required turbidity not reached to prevent over purging/drying of well
Sample time 1030

Signature ______ Date 11/23/21

AECOM

Well ID: 114-MW-71D-119

Low Flow Ground Water Sample Collection Record

Client: PPG Industries
Date: 12/14/21
Time: Start 0940 am/pm
Finish 1030 am/pm
Project No: 60667926, GW.BR.RI-Field
Site Location: PPG Site 114, Jersey City, NJ
Weather Conds: Sunny, Partly cloudy, 34°
Collector: SE

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 145.40' c. Length of Water Column ________ (a-b)

Casing Diameter/Material: Steel / 6 inch

b. Water Table Depth 8.20' d. Calculated System Volume (see back) ________

2. WELL PURGE DATA

a. Purge Method: Low flow bladder pump

b. Acceptance Criteria defined (see workplan)

- Temperature	3%	-D.O.	10%	- Turbidity	< 10 NTU
- pH	± 0.1 unit	- ORP	± 10mV		
- Sp. Cond.	3%	- Drawdown	< 0.3'		

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	650 MDS	10425
Lamotte	2020i	045697

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
0940		9.76	12.65	4.325	3.09	-29.0	1.34	50	8.20'	Clear	none
0945		10.02	12.62	4.377	2.32	-32.0	1.21	50	8.26	Clear	none
0950		10.34	12.61	4.383	1.89	-32.3	1.11	50	8.33	Clear	none
0955		10.55	12.61	4.407	1.67	-32.3	1.14	50	8.39	Clear	none
1000		10.64	12.60	4.419	1.45	-31.1	1.09	50	8.45	Clear	none
1005		10.92	12.59	4.410	1.28	-31.0	1.05	50	8.49	Clear	none
1010		11.22	12.59	4.411	1.18	-32.0	1.01	50	8.53	Clear	none

(continued on back)

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☐	☑
Has required turbidity been reached	☒	☐	☐
Have parameters stabilized	☒	☐	☐

If no or N/A - Explain below.
No minimum purge volume required for low-flow sampling.

3. SAMPLE COLLECTION: Method: Low flow Bladder Pump

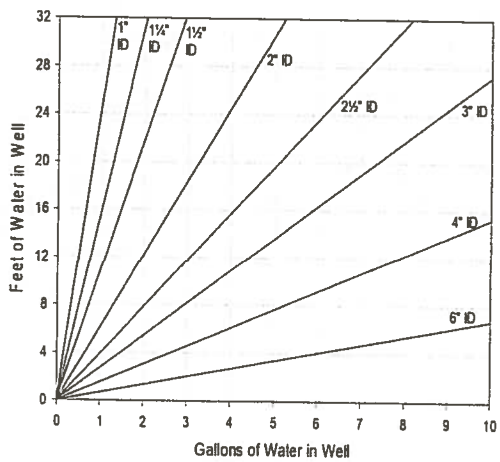
Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114-MW-71D-119-20211214		2			1025

Comments ________

Signature [signature] Date 12/14/21

114-MW-71D-119

Purge Volume Calculation



Volume / Linear Ft. of Pipe		
ID (in)	Gallon	Liter
0.25	0.0025	0.0097
0.375	0.0057	0.0217
0.5	0.0102	0.0386
0.75	0.0229	0.0869
1	0.0408	0.1544
1.25	0.0637	0.2413
1.5	0.0918	0.3475
2	0.1632	0.6178
2.5	0.2550	0.9653
3	0.3672	1.3900
4	0.6528	2.4711
6	1.4688	5.5600

(continued from front)

Time (24 hr)	Volume Removed (Liters)	Temp (°C)	pH (S.U.)	Spec. Cond (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (ft)	Color/Odor
1015		11.32	12.60	4.424	1.15	-33.0	0.93	50	8.57	clear / none
1020		11.41	12.60	4.431	1.12	-34.1	0.80	50	8.64	Clear / none

AECOM

Well ID: 114-MW-71D-126

Low Flow Ground Water Sample Collection Record

Client: PPG Industries
Date: 12/14/2021
Time: Start 1100 am/pm
Finish 1140 am/pm
Project No: 60667926, GW.BR.RI-Field
Site Location: PPG Site 114, Jersey City, NJ
Weather Conds: Sunny, Partly Cloudy
Collector: SE

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 145.40' c. Length of Water Column ______ (a-b)

Casing Diameter/Material: 6 inch Steel

b. Water Table Depth 8.83' d. Calculated System Volume (see back) ______

2. WELL PURGE DATA

a. Purge Method: Low flow bladder pump

b. Acceptance Criteria defined (see workplan)

- Temperature 3% -D.O. 10% - Turbidity < 10 NTU
- pH ± 0.1 unit - ORP ± 10mV
- Sp. Cond. 3% - Drawdown < 0.3'

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	650MDS	10425
Lamotte	2020t	045697

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
1100		11.50	12.55	4.437	1.20	-14.7	1.45	50	8.83	Clear	none
1105		11.70	12.56	4.438	1.05	-19.9	1.51	50	8.87	Clear	none
1110		11.89	12.56	4.428	1.02	-23.8	1.40	50	8.90	Clear	none
1115		12.05	12.56	4.417	0.87	-27.4	1.32	50	8.94	Clear	none
1120		12.19	12.56	4.410	0.84	-29.8	1.25	50	8.99	Clear	none
1125		12.37	12.55	4.403	0.79	-32.1	1.32	50	9.01	Clear	none
1130		12.49	12.55	4.397	0.75	-35.5	1.28	50	9.03	Clear	none

(continued on back)

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☐	☒
Has required turbidity been reached	☒	☐	☐
Have parameters stabilized	☒	☐	☐

If no or N/A - Explain below.
No minimum purge volume required for low-flow sampling.

3. SAMPLE COLLECTION: Method: Low flow bladder pump

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114-MW-71D-126-20211214		2			1140

Comments ______

Signature Steven Egg Date 12/14/2021

AECOM

Well ID: 114-MW-71D-132.5

Low Flow Ground Water Sample Collection Record

Client: PPG Industries | Date: 12/14/2021 | Time: Start 1220 am/pm
Project No: 60667926, GW.BR.RI-Field | Finish 1310 am/pm
Site Location: PPG Site 114, Jersey City, NJ
Weather Conds: Sunny, | Collector: SE

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 145.40 c. Length of Water Column ________ (a-b) Casing Diameter/Material 6in Steel

b. Water Table Depth 9.21 d. Calculated System Volume (see back) ________

2. WELL PURGE DATA

a. Purge Method: Low flow bladder pump

b. Acceptance Criteria defined (see workplan)

- Temperature	3%	-D.O.	10%	- Turbidity	< 10 NTU
- pH	± 0.1 unit	- ORP	± 10mV		
- Sp. Cond.	3%	- Drawdown	< 0.3'		

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	650MDS	10425
Lammote	2020t	0415697

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
1220		13.71	12.51	4.334	0.56	-28.8	0.72	50	9.21	Clear	none
1225		13.78	12.51	4.333	0.54	-29.7	0.83	50	9.25	Clear	none
1230		13.90	12.51	4.344	0.46	-34.1	0.62	50	9.28	Clear	none
1235		14.03	12.51	4.346	0.42	-37.8	0.51	50	9.31	Clear	none
1240		14.10	12.50	4.347	0.37	-41.3	0.88	50	9.35	Clear	none
1245		14.13	12.50	4.346	0.34	-43.8	0.60	50	9.37	Clear	none
1250		14.14	12.49	4.344	0.32	-46.7	0.42	50	9.40	Clear	none

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☐	☐
Has required turbidity been reached	☐	☐	☐
Have parameters stabilized	☐	☐	☐

(continued on back)

If no or N/A - Explain below.

No minimum purge volume required for low-flow sampling.

3. SAMPLE COLLECTION: Method: Low flow bladder pump

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114-MW-71D-132.5-20211214		2			1300

Comments

Signature [signature] Date 12/14/2021

AECOM

Well ID: 114-MW-71D-137

Low Flow Ground Water Sample Collection Record

Client: PPG

Date: 12/15/2021

Time: Start 800 am/pm

Finish 945 am/pm

Project No: ~~60624321~~ 60667926, GW.BR.RI-field

Site Location: PPG Site 114, Jersey city, NJ

Weather Conds: Sunny, 54°

Collector: SE

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 145.40 c. Length of Water Column ______ (a-b)

Casing Diameter/Material 6 in / Steel

b. Water Table Depth 9.45 d. Calculated System Volume (see back) ______

2. WELL PURGE DATA

a. Purge Method: Low flow bladder pump

b. Acceptance Criteria defined (see workplan)

- Temperature	3%	-D.O.	10%	- Turbidity	< 10 NTU
- pH	± 0.1 unit	- ORP	± 10mV		
- Sp. Cond.	3%	- Drawdown	< 0.3'		

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	650MDS	10425
Lamotte	2020?	045697

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
800		7.29	13.25	4.389	1.54	65.6	1.95	50	9.45	Clear	none
805		7.04	13.24	4.376	1.30	59.2	1.84	50	9.47	Clear	none
810		6.79	13.24	4.380	1.05	47.4	1.73	50	9.49	Clear	none
815		6.66	13.24	4.383	0.89	40.2	1.79	50	9.51	Clear	none
820		6.20	13.25	4.340	0.79	31.9	1.61	50	9.54	Clear	none
825		6.17	13.26	4.354	0.71	26.8	1.15	50	9.59	Clear	none
830		6.10	13.28	4.369	0.63	22.4	1.57	50	9.64	Clear	none

(continued on back)

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☐	X
Has required turbidity been reached	X	☐	☐
Have parameters stabilized	X	☐	☐

If no or N/A - Explain below.

No minimum purge volume required for low-flow sampling.

3. SAMPLE COLLECTION: Method: Low flow bladder pump

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114-MW-71D-137-20211215		2			945

Comments Pump stopped 0840 working, had to call plne and adjust compressor discharge time to 15 seconds. very weak flow

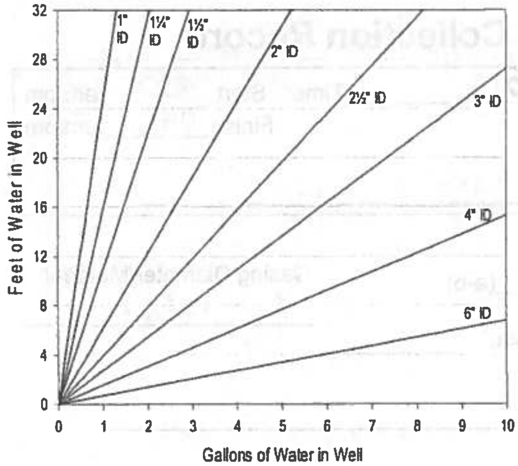
Signature [signature]

Date 12/14/2021

(D/2.31) + 10 psi

20 refill 15 discharge

Purge Volume Calculation



Volume / Linear Ft. of Pipe		
ID (in)	Gallon	Liter
0.25	0.0025	0.0097
0.375	0.0057	0.0217
0.5	0.0102	0.0386
0.75	0.0229	0.0869
1	0.0408	0.1544
1.25	0.0637	0.2413
1.5	0.0918	0.3475
2	0.1632	0.6178
2.5	0.2550	0.9653
3	0.3672	1.3900
4	0.6528	2.4711
6	1.4688	5.5600

(continued from front)

Time (24 hr)	Volume Removed (Liters)	Temp (°C)	pH (S.U.)	Spec. Cond (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (ft)	Color/Odor
835		6.14	13.28	4.371	0.55	16.2	1.83	50	9.67	Clear / none
840		6.12	13.29	4.373	0.46	10.7	0.94	50	9.69	Clear / none
920		10.39	13.45	4.768	0.18	-23.6	1.64	50	9.71	Clear / none
925		10.93	13.45	4.270	0.16	-26.0	1.75	50	9.73	Clear / none
930		11.45	13.45	4.266	0.15	-29.7	0.21	50	9.78	Clear / none
935		11.46	13.44	4.268	0.13	-31.4	1.84	50	9.81	Clear/none
940		11.44	13.44	4.271	0.12	-31.6	1.92	50	9.84	Clear/none

AECOM

Well ID: 114-MW71D

141.5

Low Flow Ground Water Sample Collection Record

Client: PPG Industries
Date: 12/21/21
Time: Start 800 am/pm
Finish ________ am/pm
Project No: 60667926, GW.BR.RI-Field
Site Location: PPG Site 114, Jersey City, NJ
Weather Conds: Cloudy 30s
Collector: E Arg

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 145.40 c. Length of Water Column 136.25 (a-b) Casing Diameter/Material 6" Steel

b. Water Table Depth 9.15 d. Calculated System Volume (see back) 198.92

2. WELL PURGE DATA

a. Purge Method: Grundfos Pump

b. Acceptance Criteria defined (see workplan)

- Temperature 3% -D.O. 10% - Turbidity < 10 NTU
- pH ± 0.1 unit - ORP ± 10mV
- Sp. Cond. 3% - Drawdown < 0.3'

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	650MDS	J130100449
Lamotte	2020	30495

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
8:05	500mL	9.25	11.87	3.920	0.93	-147.5	8.92	50	8.87	clear	—
8:15	1000mL	7.00	12.88	4.069	0.95	-144.1	7.12	50	8.90	clear	—
8:25	1500mL	6.70	13.05	4.078	0.92	-144.2	6.83	50	8.95	clear	—
8:35	2000mL	7.15	13.12	4.016	0.95	-117.1	6.62	50	9.08	clear	—
8:45	2500 mL	6.62	13.20	4.033	0.90	-109.1	6.60	50	9.20	clear	—
8:55	3000mL	6.02	13.22	4.057	0.92	-106.3	6.50	50	9.24	clear	—
9:05	3500mL	6.12	13.28	4.087	0.95	-101.5	6.55	50	9.34	clear	—

(continued on back)

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☐	☒
Has required turbidity been reached	☒	☐	☐
Have parameters stabilized	☐	☒	☐

If no or N/A - Explain below.
No minimum purge volume required for low-flow sampling.

3. SAMPLE COLLECTION: Method: Grundfos Pump

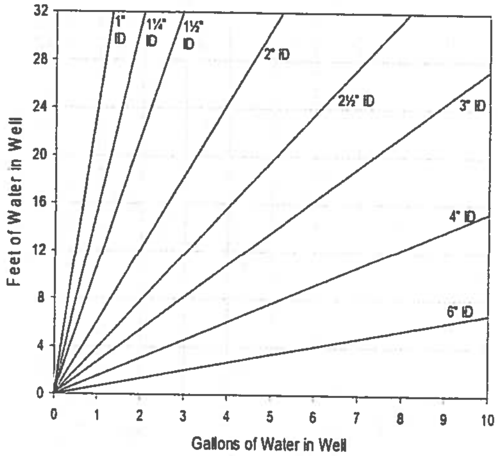
Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114-MW71D-141.5-20211221					1000

Comments: Water level not stable @ 50 mL/min

Signature: [signature] Date: 12/21/21

Purge Volume Calculation

114-MW71D
141.5



Volume / Linear Ft. of Pipe		
ID (in)	Gallon	Liter
0.25	0.0025	0.0097
0.375	0.0057	0.0217
0.5	0.0102	0.0386
0.75	0.0229	0.0869
1	0.0408	0.1544
1.25	0.0637	0.2413
1.5	0.0918	0.3475
2	0.1632	0.6178
2.5	0.2550	0.9653
3	0.3672	1.3900
4	0.6528	2.4711
6	1.4688	5.5600

(continued from front)

Time (24 hr)	Volume Removed (Liters)	Temp (°C)	pH (S.U.)	Spec. Cond (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (ft)	Color/Odor
9:15	4000mL	6.92	13.28	4074	0.96	-100.7	6.62	50	9.45	CLEAR
9:25	4500 mL	6.96	13.22	3.992	0.99	-97.6	6.50	50	9.54	CLEAR
9:35	5000 mL	6.99	1322	3.984	0.98	-98.5	5.92	50	9.65	CLEAR
9:45	5500 mL	6.95	1322	3.988	0.95	-97.2	5.88	50	6.75	CLEAR
9 55	6000mL	6.93	1322	3.985	0.96	-95.6	5.62	50	6.83	CLEAR

114-PZ-52WR

Well ID:

AECOM

Sample Depth 72.0' +2' rise

74.0'

Low Flow Ground Water Sample Collection Record

Client: PPG Industries
Date: 12/17/21
Time: Start 0830 am/pm
Finish 1030 am/pm
Project No: 60667926, GW.BR.RI-Field
Site Location: PPG Site 114, Jersey City, NJ
Weather Conds: Sunny, breezy 55°
Collector: T. Miller

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 76'
c. Length of Water Column 62.21' (a-b)
Casing Diameter/Material 2" PVC
b. Water Table Depth 13.79
d. Calculated System Volume (see back) 10.15

Top of Casing 2' ags

2. WELL PURGE DATA

a. Purge Method: low-flow w/ bladder pump

b. Acceptance Criteria defined (see workplan)

- Temperature	3%	-D.O.	10%	- Turbidity	< 10 NTU
- pH	± 0.1 unit	- ORP	± 10mV		
- Sp. Cond.	3%	- Drawdown	< 0.3'		

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	600XLS/650MDS	10425 / 24871 (probe)
LaMotte	2020t	045697
Bladder Pump		36489

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
0900	1.0	15.10	6.47	1.523	3.44	202.6	20.0	100	13.02	clear-pale yellow	none
0905	1.5	15.30	6.52	1.525	3.00	201.2	17.1	100	13.52	clear pale yellow	
0910	2.0	15.32	6.53	1.527	2.94	201.1	16.1	100	13.85	clear-pale yellow	
0915	2.5	15.32	6.53	1.532	2.84	201.3	14.8	100	13.99	clear-pale yellow	
0920	3.0	15.41	6.55	1.546	2.44	201.3	10.8	100	13.76	clear pale yellow	
0925	3.5	15.46	6.56	1.549	2.37	201.2	9.3	100	13.65	clear-pale yellow	
0930	4.0	15.47	6.57	1.554	1.94	201.5	7.45	100	13.72	clear-pale yellow	

(continued on back)

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☐	☒
Has required turbidity been reached	☒	☐	☐
Have parameters stabilized	☒	☐	☐

If no or N/A - Explain below.
No minimum purge volume required for low-flow sampling.

3. SAMPLE COLLECTION: Method: low flow w/ bladderpump

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114-PZ-52WR-~~72.0~~ 74.0 CM -20211217 @ 0955					

Comments ~~Sample taken 2' from bottom. Pump lowered to bottom of well and pulled up one foot. Intake valve 2 feet from bottom @ 74 feet.~~ ~~Sample table listed 72' but sample depth was actually 74'. CM. The top of casing height was not added in the original sampling table.~~

Signature [signature] Date 12/17/21

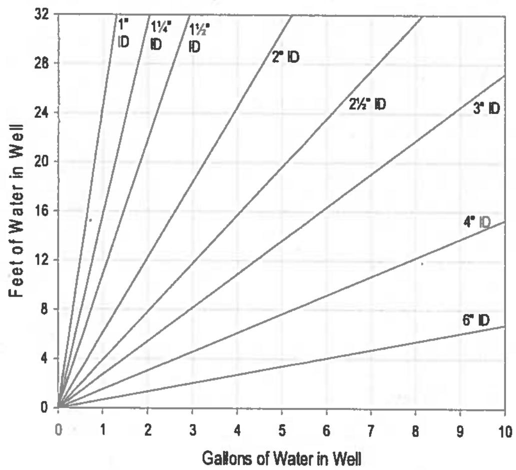
SAMPLE TAKEN @ 74.0 DEPTH ECL

T. Miller
12/17/21

Well- 114-PZ-52WR

sample depth
~~72~~' CM
74'

Purge Volume Calculation



Volume / Linear Ft. of Pipe		
ID (in)	Gallon	Liter
0.25	0.0025	0.0097
0.375	0.0057	0.0217
0.5	0.0102	0.0386
0.75	0.0229	0.0869
1	0.0408	0.1544
1.25	0.0637	0.2413
1.5	0.0918	0.3475
2	0.1632	0.6178
2.5	0.2550	0.9653
3	0.3672	1.3900
4	0.6528	2.4711
6	1.4688	5.5600

(continued from front)

Time (24 hr)	Volume Removed (Liters)	Temp (°C)	pH (S.U.)	Spec. Cond (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW ~~Drawdown~~ (ft)	Color/Odor
0935	4.5	15.47	6.56	1.557	1.72	202.0	5.68	100	14.01	clear - light yellow no odor
0940	5.0	15.54	6.57	1.557	1.67	201.6	5.09	100	13.98	clear - light yellow
0945	5.5	15.54	6.58	1.552	1.38	201.8	5.04	100	14.05	" "
0950	6.0	15.50	6.58	1.552	1.35	202.0	4.29	100	14.05	" "

Sampled @ 0955

CM

AECOM

Well ID: 114-PZ-66WR-82.2-20211216

Low Flow Ground Water Sample Collection Record

Client: PPG Date: 12/16/2021 Time: Start 1310 am/pm Finish 1345 am/pm

Project No: 60624321

Site Location: PPG Site 114

Weather Conds: Cloudy, windy, 61° Collector: SG

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 84.2' c. Length of Water Column ________ (a-b) Casing Diameter/Material 2 in PVC

b. Water Table Depth 9.22 d. Calculated System Volume (see back) ________

2. WELL PURGE DATA

a. Purge Method: Low flow bladder pump

b. Acceptance Criteria defined (see workplan)

- Temperature	3%	-D.O.	10%	- Turbidity	< 10 NTU
- pH	± 0.1 unit	- ORP	± 10mV		
- Sp. Cond.	3%	- Drawdown	< 0.3'		

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	650MDS	10425
Lamotte	2020t	045697

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
1310		16.42	8.69	1.159	0.40	124.7	10.02	50	9.28	Yellow	None
1315		16.43	8.56	1.244	0.37	124.4	9.82	50	9.27	Yellow	None
1320		16.51	8.20	1.409	0.32	123.2	8.73	50	9.28	Yellow	None
1325		16.55	8.10	1.458	0.34	123.1	9.11	50	9.27	Yellow	None
1330		16.54	8.05	1.512	0.36	125.1	9.27	50	9.26	Yellow	None
1335		16.52	8.02	1.531	0.37	126.2	8.34	50	9.26	Yellow	None
1340		16.51	8.03	1.546	0.37	126.8	8.98	50	9.25	Yellow	None

(continued on back)

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☐	☒
Has required turbidity been reached	☒	☐	☐
Have parameters stabilized	☒	☐	☐

If no or N/A - Explain below.

No minimum purge volume required for low-flow sampling.

3. SAMPLE COLLECTION: Method: Low flow bladder pump

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114-PZ-66WR-82.2-20211216		2			1345

Comments: ~~Sample taken from 2' above bottom of well which is actually 82.2 feet. Label based on sampling table which is actually incorrect. Sample taken from the correct depth (82.2)~~

Signature Sean Ess Date 12/16/2021

SAMPLE TAKEN @ 82.2 (CORRECT DEPTH) EGA

AECOM

Well ID: 114-MW-61D-117.3

Low Flow Ground Water Sample Collection Record

Client: PPG Industries Date: 12/15/2021 Time: Start 1125 am/pm
Project No: ~~60634321~~ 60667926, GW. BR RI-Field Finish ______ am/pm
Site Location: PPG Site 114, Jersey City, NJ
Weather Conds: Sunny, windy Collector: SE

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 137.90 c. Length of Water Column ______ (a-b) Casing Diameter/Material 2 in / PVC

b. Water Table Depth 12.35 d. Calculated System Volume (see back) ______

2. WELL PURGE DATA

a. Purge Method: Low flow bladder pump

b. Acceptance Criteria defined (see workplan)

- Temperature	3%	-D.O.	10%	- Turbidity	< 10 NTU
- pH	± 0.1 unit	- ORP	± 10mV		
- Sp. Cond.	3%	- Drawdown	< 0.3'		

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	650 MDS	10425
Lammote	2020t	045697

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
1125		11.55	10.49	0.351	3.74	31.6	3.26	50	10.56	Clear	None
1130		11.65	10.42	0.343	3.32	33.0	3.14	50	10.77	Clear	None
1135		11.74	10.38	0.338	3.00	34.0	3.07	50	10.94	Clear	None
1140		11.89	10.36	0.336	2.78	34.3	2.85	50	11.14	Clear	None
1145		12.08	10.36	0.333	2.51	34.5	2.92	50	11.38	Clear	None
1150		12.20	10.35	0.332	2.39	35.4	2.41	50	11.61	Clear	None
1155		12.26	10.34	0.330	2.28	36.2	2.53	50	11.83	Clear	None

(continued on back)

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☐	☒
Has required turbidity been reached	☒	☐	☐
Have parameters stabilized	☒	☐	☐

If no or N/A - Explain below.

No minimum purge volume required for low-flow sampling.

3. SAMPLE COLLECTION: Method: Low flow bladder

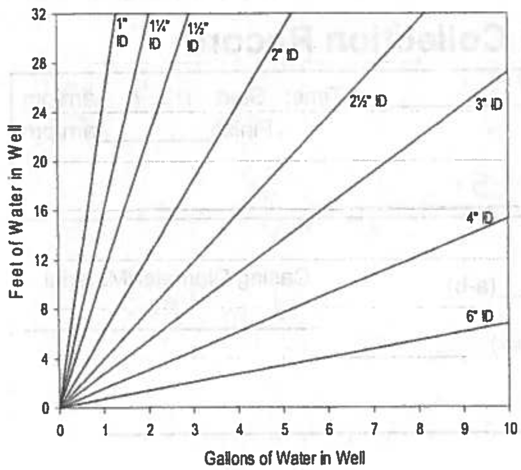
Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114-MW-61D-117.3-20211215		2			1205

Comments ______

Signature [signature] Date 12/15/2021

114-MW-61D-117.3

Purge Volume Calculation



Volume / Linear Ft. of Pipe		
ID (in)	Gallon	Liter
0.25	0.0025	0.0097
0.375	0.0057	0.0217
0.5	0.0102	0.0386
0.75	0.0229	0.0869
1	0.0408	0.1544
1.25	0.0637	0.2413
1.5	0.0918	0.3475
2	0.1632	0.6178
2.5	0.2550	0.9653
3	0.3672	1.3900
4	0.6528	2.4711
6	1.4688	5.5600

(continued from front)

Time (24 hr)	Volume Removed (Liters)	Temp (°C)	pH (S.U.)	Spec. Cond (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (ft)	Color/Odor
1200		12.33	10.33	0.320	2.20	36.6	2.45	50	12.05	clear/none

AECOM

Well ID: 114-MW-61D-120.8

Low Flow Ground Water Sample Collection Record

Client: PPG	Date: 12/15/2021	Time: Start 1235 am/pm	
Project No: ~~60624321~~ 60667926, GW.BR.RI-Field		Finish 1310 am/pm	
Site Location: PPG Site 114			
Weather Conds:		Collector: SE	

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 137.90 c. Length of Water Column ________ (a-b) Casing Diameter/Material 2in / PVC

b. Water Table Depth 14.21 d. Calculated System Volume (see back) ________

2. WELL PURGE DATA

a. Purge Method: Low flow bladder pump

b. Acceptance Criteria defined (see workplan)

- Temperature 3% -D.O. 10% - Turbidity < 10 NTU
- pH ± 0.1 unit - ORP ± 10mV
- Sp. Cond. 3% - Drawdown < 0.3'

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	650 MDS	10425
Lammote	2020	045697

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
1235		12.83	10.15	0.330	2.46	64.2	15.6	50	14.21	Merky Clear	None
1240		12.95	10.13	0.330	1.92	63.8	13.00	50	14.62	Merky Clear	None
1245		12.72	10.20	0.333	1.74	62.3	11.14	50	14.91	Clear	None
1250		12.61	10.19	0.334	1.61	63.6	10.24	50	15.18	Clear	None
1255		12.72	10.22	0.336	1.57	63.0	9.83	50	15.49	Clear	None
1300		12.74	10.23	0.336	1.52	62.4	8.21	50	15.78	Clear	None
1305		12.79	10.25	0.337	1.50	60.4	8.84	50	16.07	Clear	None

(continued on back)

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☐	☒
Has required turbidity been reached	☒	☐	☐
Have parameters stabilized	☒	☐	☐

If no or N/A - Explain below.

No minimum purge volume required for low-flow sampling.

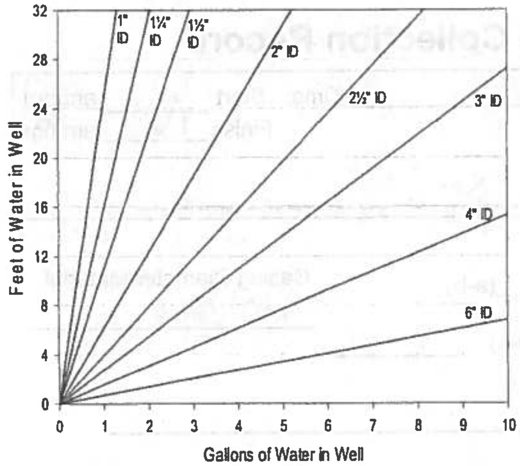
3. SAMPLE COLLECTION: Method: Low flow bladder pump

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114-MW-61D-120.8-20211215		2			1310

Comments ________

Signature [signature] Date 12/15/2021

Purge Volume Calculation



Volume / Linear Ft. of Pipe		
ID (in)	Gallon	Liter
0.25	0.0025	0.0097
0.375	0.0057	0.0217
0.5	0.0102	0.0386
0.75	0.0229	0.0869
1	0.0408	0.1544
1.25	0.0637	0.2413
1.5	0.0918	0.3475
2	0.1632	0.6178
2.5	0.2550	0.9653
3	0.3672	1.3900
4	0.6528	2.4711
6	1.4688	5.5600

(continued from front)

Time (24 hr)	Volume Removed (Liters)	Temp (°C)	pH (S.U.)	Spec. Cond (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (ft)	Color/Odor

AECOM

Well ID: 114-MW-610-125.8

Low Flow Ground Water Sample Collection Record

Client: PPG
Date: 12/15/21
Time: Start 1340 am/pm
Project No: ~~60624321~~ 60667926, GW, BR, RI-Field
Finish 1420 am/pm
Site Location: PPG Site 114
Weather Conds:
Collector: SG

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 137.90
c. Length of Water Column ________ (a-b)
Casing Diameter/Material: 2inch /PVC

b. Water Table Depth 17.91
d. Calculated System Volume (see back) ________

2. WELL PURGE DATA

a. Purge Method: Low flow bladder pump

b. Acceptance Criteria defined (see workplan)

- Temperature	3%	-D.O.	10%	- Turbidity	< 10 NTU
- pH	± 0.1 unit	- ORP	± 10mV		
- Sp. Cond.	3%	- Drawdown	< 0.3'		

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	650MDS	10425
Lammote	2020t	045697

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
1340		13.84	10.25	0.333	1.60	75.0	10.30	50	17.91	Clear	none
1345		13.34	10.18	0.330	1.33	78.1	10.12	50	18.13	Clear	none
1350		13.23	10.15	0.330	1.26	79.6	9.83	50	18.30	clear	none
1355		13.22	10.17	0.330	1.18	78.3	9.21	50	18.47	clear	none
1400		13.19	10.20	0.330	1.13	77.0	9.43	50	18.62	clear	none
1405		13.16	10.17	0.329	1.09	79.3	8.72	50	18.80	clear	none
1410		13.14	10.16	0.329	1.05	79.3	8.31	50	19.01	clear	none

(continued on back)

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☐	☐
Has required turbidity been reached	☐	☐	☐
Have parameters stabilized	☐	☐	☐

If no or N/A - Explain below.
No minimum purge volume required for low-flow sampling.

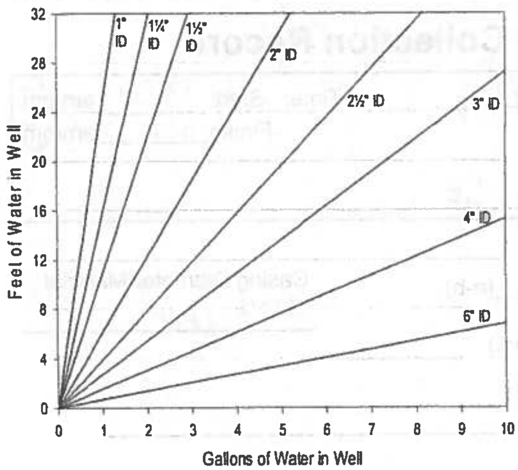
3. SAMPLE COLLECTION: Method: Low flow bladder pump

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114-MW-610-125.8-20211215		2			1420

Comments

Signature [signature] Date 12/15/21

Purge Volume Calculation



Volume / Linear Ft. of Pipe		
ID (in)	Gallon	Liter
0.25	0.0025	0.0097
0.375	0.0057	0.0217
0.5	0.0102	0.0386
0.75	0.0229	0.0869
1	0.0408	0.1544
1.25	0.0637	0.2413
1.5	0.0918	0.3475
2	0.1632	0.6178
2.5	0.2550	0.9653
3	0.3672	1.3900
4	0.6528	2.4711
6	1.4688	5.5600

(continued from front)

Time (24 hr)	Volume Removed (Liters)	Temp (°C)	pH (S.U.)	Spec. Cond (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (ft)	Color/Odor

AECOM

Well ID: 114-MW-61D - 130.8

Low Flow Ground Water Sample Collection Record

Client: PPG
Date: 12/16/2021
Time: Start 0720 am/pm
Finish 0925 am/pm
Project No: ~~60624321~~ 60667926, GW-BR.RI-Field
Site Location: PPG Site 114
Weather Conds: Cloudy, 55°
Collector: SE

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 137.90 c. Length of Water Column ______ (a-b)

Casing Diameter/Material: 2 inch / PVC

b. Water Table Depth 16.20 d. Calculated System Volume (see back) ______

2. WELL PURGE DATA

a. Purge Method: Low flow bladder pump

b. Acceptance Criteria defined (see workplan)

- Temperature	3%	-D.O.	10%	- Turbidity	< 10 NTU
- pH	± 0.1 unit	- ORP	± 10mV		
- Sp. Cond.	3%	- Drawdown	< 0.3'		

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	650 MDS	10425
Lamotte	2020+	045697

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
0740		14.20	9.77	0.382	2.88	211.2	6.82	50	16.92	Clear	None
0745		14.09	9.96	0.431	2.23	208.5	8.41	50	17.25	clear	none
0750		14.05	10.35	0.535	1.53	198.9	18.9	50	17.58	clear	none
0755		14.01	10.63	0.606	1.73	187.3	25.4	50	17.94	clear	none
0800		13.94	10.75	0.650	1.01	180.3	23.6	50	18.24	Clear	none
0805		14.02	10.90	0.666	0.81	167.4	21.4	50	18.59	clear	none
0810		14.01	10.93	0.673	0.74	162.1	20.5	50	18.97	clear	none

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☐	☒
Has required turbidity been reached	☒	☐	☐
Have parameters stabilized	☒	☐	☐

(continued on back)

If no or N/A - Explain below.
No minimum purge volume required for low-flow sampling.

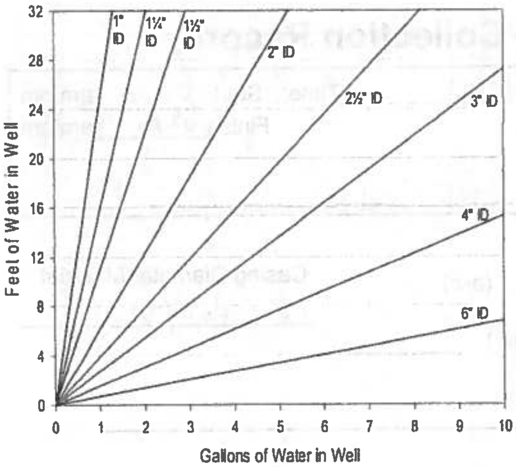
3. SAMPLE COLLECTION: Method: Low flow bladder pump

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114-MW-61D-130.8-20211216		6			910
114-MW-61D-130.8-20211216X		2			911

Comments: TOOK MS/MSD

Signature: [signature]
Date 12/16/2021

Purge Volume Calculation



Volume / Linear Ft. of Pipe		
ID (in)	Gallon	Liter
0.25	0.0025	0.0097
0.375	0.0057	0.0217
0.5	0.0102	0.0386
0.75	0.0229	0.0869
1	0.0408	0.1544
1.25	0.0637	0.2413
1.5	0.0918	0.3475
2	0.1632	0.6178
2.5	0.2550	0.9653
3	0.3672	1.3900
4	0.6528	2.4711
6	1.4688	5.5600

(continued from front)

Time (24 hr)	Volume Removed (Liters)	Temp (°C)	pH (S.U.)	Spec. Cond (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (ft)	Color/Odor
0815		13.94	10.93	0.678	0.65	155.5	16.8	50	19.31	Clear/none
0820		13.83	10.92	0.678	0.59	149.8	14.7	50	19.65	Clear/none
0825		13.82	10.91	0.675	0.52	144.6	13.1	50	19.92	Clear/none
0830		13.79	10.89	0.668	0.48	139.4	12.5	50	20.18	Clear/none
0835		13.84	10.87	0.654	0.43	132.5	11.1	50	20.52	Clear/none
0840		13.87	10.86	0.643	0.47	129.4	11.5	50	20.90	Clear/none
0845		13.90	10.80	0.621	0.47	125.6	10.2	50	21.11	Clear/none
0850		13.88	10.72	0.602	0.48	123.3	9.84	50	21.28	Clear/none
0855		13.87	10.71	0.605	0.48	121.5	9.93	50	21.42	Clear/none
0900		13.87	10.72	0.604	0.48	120.7	8.73	50	21.60	Clear/none

AECOM

Well ID: 114-MW-6ID-135.8

Low Flow Ground Water Sample Collection Record

Client: PPG | Date: 12/16/2021 | Time: Start 0955 am/pm | Finish 1210 am/pm

Project No: ~~60624321~~ 60667926, GW.BR,RI-Field

Site Location: PPG Site 114

Weather Conds: Cloudy, 54°

Collector: SG

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 137.90 c. Length of Water Column ________ (a-b)

Casing Diameter/Material 2in/PVC

b. Water Table Depth 25.19 d. Calculated System Volume (see back) ________

2. WELL PURGE DATA

a. Purge Method: Low flow bladder pump

b. Acceptance Criteria defined (see workplan)

- Temperature	3%	-D.O.	10%	- Turbidity	< 10 NTU
- pH	± 0.1 unit	- ORP	± 10mV		
- Sp. Cond.	3%	- Drawdown	< 0.3'		

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	650MDS	10425
Lamotte	2020t	045697

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
0955		14.75	9.98	0.339	0.99	135.6	7.78	50	25.19	Clear	none
1000		14.73	10.07	0.363	0.88	134.7	27.3	50	25.63	clear	none
1005		14.74	10.54	0.529	0.65	126.5	51.4	50	26.10	cloudy	none
1010		14.78	11.08	0.684	0.51	111.9	48.6	50	26.52	cloudy	none
1015		14.75	11.38	0.807	0.38	89.7	47.4	50	26.95	cloudy	none
1020		14.72	11.44	0.841	0.33	77.0	52.1	50	27.42	cloudy	none
1025		14.74	11.48	0.855	0.29	66.8	56.8	50	27.81	cloudy	none

(continued on back)

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☐	☒
Has required turbidity been reached	☒	☐	☐
Have parameters stabilized	☒	☐	☐

If no or N/A - Explain below.

No minimum purge volume required for low-flow sampling.

3. SAMPLE COLLECTION: Method: Low flow bladder pump

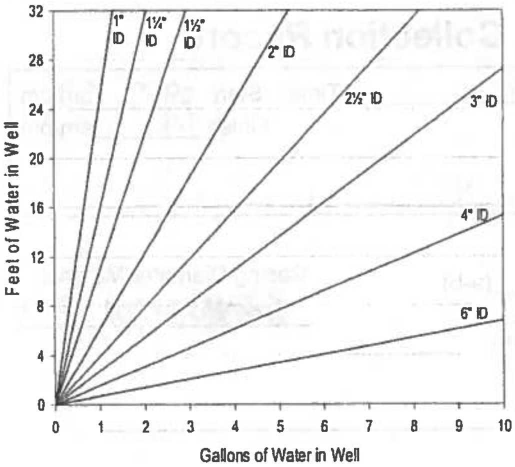
Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114-MW-6ID-135.8-20211216		2			1200

Comments: Turbidity remains high, will change recording intervals to 20 minutes now Until either turbidity lowers or ~~[illegible]~~ 4 hour time limit is approaching

Signature: [signature] Date 12/16/2021

114-MW-61D-135.8

Purge Volume Calculation



Volume / Linear Ft. of Pipe		
ID (in)	Gallon	Liter
0.25	0.0025	0.0097
0.375	0.0057	0.0217
0.5	0.0102	0.0386
0.75	0.0229	0.0869
1	0.0408	0.1544
1.25	0.0637	0.2413
1.5	0.0918	0.3475
2	0.1632	0.6178
2.5	0.2550	0.9653
3	0.3672	1.3900
4	0.6528	2.4711
6	1.4688	5.5600

(continued from front)

Time (24 hr)	Volume Removed (Liters)	Temp (°C)	pH (S.U.)	Spec. Cond (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (ft)	Color/Odor
1035		14.80	11.52	0.864	0.21	39.9	55.4	50	28.73	Cloudy/none
1050		14.94	11.43	0.843	0.20	25.0	51.2	50	30.07	Cloudy/none
1110		15.34	10.71	0.535	0.70	22.2	28.2	50	31.83	less cloudy/none
1130		15.58	10.35	0.389	0.26	27.0	17.2	50	33.49	Clear/none
1135		15.62	10.27	0.371	0.27	29.8	13.1	50	33.91	Clear/none
1140		15.60	10.20	0.353	0.28	32.3	11.0	50	34.27	Clear/none
1145		15.63	10.17	0.344	0.29	35.3	9.53	50	34.61	Clear/none
1150		15.63	10.16	0.341	0.30	37.1	8.71	50	34.99	Clear/none
1155		15.64	10.15	0.339	0.30	38.1	5.32	50	35.30	Clear/none

AECOM

Well ID: 114-MW4D

106.3

Low Flow Ground Water Sample Collection Record

Client: PPG	Date: 12/16/21 Time: Start 9.40 am/pm
Project No: 60624321	Finish 11:00 am/pm
Site Location: PPG Site 114	
Weather Conds: overcast 60's	Collector: EACI

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 127.20 c. Length of Water Column 118.7 (a-b) Casing Diameter/Material 6" steel

b. Water Table Depth 8.50 d. Calculated System Volume (see back) 193.30

2. WELL PURGE DATA

a. Purge Method: Bladder Pump

b. Acceptance Criteria defined (see workplan)

- Temperature	3%	-D.O.	10%	- Turbidity	< 10 NTU
- pH	± 0.1 unit	- ORP	± 10mV		
- Sp. Cond.	3%	- Drawdown	< 0.3'		

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	650MDS	13J 100449
Lmotte	2020	30491

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
950	500mL	14.05	10.32	0.274	2.55	15.1	9.10	50	8.40	clear	—
1000	1000mL	14.29	9.88	0.263	1.59	3.8	9.10	50	8.50	clear	—
1010	1500mL	14.47	9.61	0.248	1.95	5.9	9.22	50	8.60	clear	—
1020	2000mL	14.49	9.53	0.241	1.70	2.5	9.55	50	8.77	clear	—
1030	2500mL	14.51	9.45	0.238	1.02	-5.4	9.50	50	8.85	clear	—
1040	3000mL	14.50	9.43	0.238	0.98	-6.1	9.53	50	8.91	clear	—
1050	3500	14.52	9.41	0.235	0.96	-5.8	9.55	50	9.00	clear	

(continued on back)

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☐	☒
Has required turbidity been reached	☐	☐	☐
Have parameters stabilized	☐	☐	☐

If no or N/A - Explain below.

No minimum purge volume required for low-flow sampling.

3. SAMPLE COLLECTION: Method: Bladder Pump

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114-MW4D-106.3-20211216					1055

Comments

Signature [signature] Date 12/16/21

AECOM

Well ID: 114-MW-4D
112.3

Low Flow Ground Water Sample Collection Record

Client: PPG	Date: 12/16/21	Time: Start 1110 am/pm	
Project No: 60624321		Finish 1330 am/pm	
Site Location: PPG Site 114			
Weather Conds: Overcast 60's	Collector: EAU		

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 127.20 c. Length of Water Column 118.7 (a-b) Casing Diameter/Material 6" Steel

b. Water Table Depth 8.50 d. Calculated System Volume (see back) 173.30

2. WELL PURGE DATA

a. Purge Method: Bladder Pump

b. Acceptance Criteria defined (see workplan)

- Temperature	3%	-D.O.	10%	- Turbidity	< 10 NTU
- pH	± 0.1 unit	- ORP	± 10mV		
- Sp. Cond.	3%	- Drawdown	< 0.3'		

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	650 MDS	BJ100449
LaMotte	2020	30498

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
1115	500mL	15.07	9.63	0.245	1.01	-12.6	8.6	50	9.17	Clear	—
1125	1000mL	15.26	9.42	0.230	0.79	-18.9	11.7	50	9.27	Clear	—
1135	1500mL	15.78	9.36	0.231	0.67	-26.9	10.0	50	9.37	Clear	—
1145	2000mL	15.80	9.33	0.230	0.48	-27.6	12.4	50	9.47	Clear	—
1155	2500mL	16.29	9.32	0.230	0.46	-28.2	11.2	50	9.56	Clear	—
1205	3000mL	16.30	9.32	0.229	0.45	-28.5	13.8	50	9.66	Clear	—
1215	3500mL	16.32	9.32	0.228	0.43	-29.6	14.4	50	9.76	Clear	—

(continued on back)

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☐	☒
Has required turbidity been reached	☒	☐	☐
Have parameters stabilized	☐	☒	☐

If no or N/A - Explain below.

No minimum purge volume required for low-flow sampling.

3. SAMPLE COLLECTION: Method: Bladder Pump

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114-4D-112.3-20211216					1320

Comments

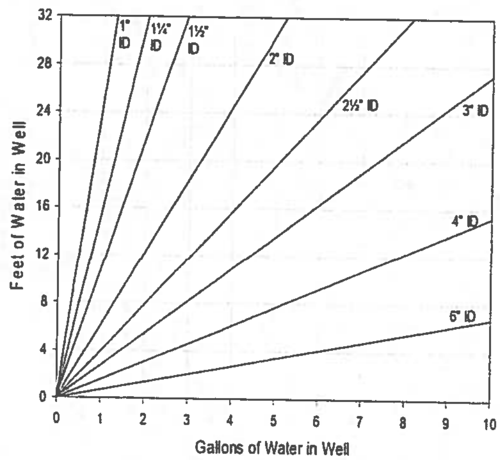
Signature

Date 12/16/21

114 FMW-4D

112.3

Purge Volume Calculation



Volume / Linear Ft. of Pipe		
ID (in)	Gallon	Liter
0.25	0.0025	0.0097
0.375	0.0057	0.0217
0.5	0.0102	0.0386
0.75	0.0229	0.0869
1	0.0408	0.1544
1.25	0.0637	0.2413
1.5	0.0918	0.3475
2	0.1632	0.6178
2.5	0.2550	0.9653
3	0.3672	1.3900
4	0.6528	2.4711
6	1.4688	5.5600

(continued from front)

Time (24 hr)	Volume Removed (Liters)	Temp (°C)	pH (S.U.)	Spec. Cond (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (ft)	Color/Odor
1225	4000ml	1632	930	0.227	0.32	-54.4	12.2	50	9.86	Clear
1238	4500mL	1632	929	0.227	0.26	-56.2	11.0	50	9.96	Clear
1246	5000 ml	1633	929	0.227	0.27	-52.2	10.5	50	10.07	Clear
1255	5500ml	6.33	929	0.227	0.28	-49.2	9.98	50	10.17	Clear
1305	6000ml	6.32	929	0.227	0.28	-50.5	9.89	50	10.28	Clear
1315	6500ml	6.32	926	0.227	0.28	-51.5	9.87	50	10.35	Clear

AECOM

Well ID: 114 – MW4D

122.3

Low Flow Ground Water Sample Collection Record

Client: PPG
Project No: 60624321
Site Location: PPG Site 114
Weather Conds: M CLOUDY 60°

Date: 12/17/21
Time: Start 1020 am/pm
Finish 11 35 am/pm

Collector: E ACS

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 127.2 c. Length of Water Column 118.7 (a-b)

Casing Diameter/Material 6" STEEL

b. Water Table Depth 8.50 d. Calculated System Volume (see back) 173.30

2. WELL PURGE DATA

a. Purge Method: BLADDER PUMP

b. Acceptance Criteria defined (see workplan)

- Temperature	3%	-D.O.	10%	- Turbidity	< 10 NTU
- pH	± 0.1 unit	- ORP	± 10mV		
- Sp. Cond.	3%	- Drawdown	< 0.3'		

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	650MDS	13J100449
LAMOTTE	2020	30494

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
1030	500 mL	17.29	9.17	0.223	0.02	-182.2	15.2	50	11.23	CLEAR	—
1040	1000 mL	17.29	9.15	0.222	-0.05	-208.3	13.9	50	11.30	CLEAR	—
1050	1500 mL	17.29	9.15	0.222	-0.07	-210.0	13.0	50	11.32	CLEAR	—
1100	2000 mL	17.28	9.14	0.220	-0.14	-230.9	12.2	50	11.40	CLEAR	—
1110	2500 mL	17.28	9.14	0.221	-0.16	-240.2	10.3	50	11.50	CLEAR	—
1120	3000 mL	17.28	9.14	0.221	-0.18	-242.2	9.9	50	11.60	CLEAR	—
1130	3500 mL	17.28	9.14	0.221	-0.18	-240.2	4.8	50	11.70	CLEAR	—

(continued on back)

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☐	☒
Has required turbidity been reached	☒	☐	☐
Have parameters stabilized	☐	☒	☐

If no or N/A - Explain below.

No minimum purge volume required for low-flow sampling.

3. SAMPLE COLLECTION: Method: BLADDER PUMP

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114 - MW4D - 122.3 - 20211217					1135

Comments

Signature [signature] Date 12/17/21

AECOM

Well ID: 114 - MW4D

118.8

Low Flow Ground Water Sample Collection Record

Client: PPG	Date: 12/17/21 Time: Start 730 am/pm
Project No: 60624321	Finish 10:20 am/pm
Site Location: PPG Site 114	
Weather Conds: M CLOUDY 60	Collector: E AG

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 127.20 c. Length of Water Column 118.7 (a-b)

Casing Diameter/Material 6" STEEL

b. Water Table Depth 8.50 d. Calculated System Volume (see back) 173.36

WL START 9.85

2. WELL PURGE DATA

a. Purge Method: BLADDER PUMP

b. Acceptance Criteria defined (see workplan)

- Temperature	3%	-D.O.	10%	- Turbidity	< 10 NTU
- pH	± 0.1 unit	- ORP	± 10mV		
- Sp. Cond.	3%	- Drawdown	< 0.3'		

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	650MDS	13J100449
LAMOTTE	2020	36495

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
800	500 mL	14.14	8.98	0.258	4.26	177.2	14.4	50	9.98	CLEAR	—
810	1000 mL	14.57	9.13	0.229	0.90	-92.0	12.9	50	10.12	CLEAR	—
820	1500 mL	14.68	9.14	0.226	0.99	-74.2	12.2	50	10.30	CLEAR	—
830	2000 mL	14.96	9.16	0.224	1.06	-77.9	12.0	50	10.32	CLEAR	—
840	2500 mL	15.13	9.17	0.224	0.90	-112.1	11.8	50	10.38	CLEAR	—
850	3000 mL	15.28	9.16	0.225	0.67	-90.0	12.5	50	10.45	CLEAR	—
900	3500 mL	15.38	9.18	0.224	0.57	-122.2	12.8	50	10.55	CLEAR	—

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☐	☐
Has required turbidity been reached	☐	☐	☐
Have parameters stabilized	☐	☐	☐

(continued on back)

If no or N/A - Explain below.

No minimum purge volume required for low-flow sampling.

3. SAMPLE COLLECTION: Method: BLADDER PUMP

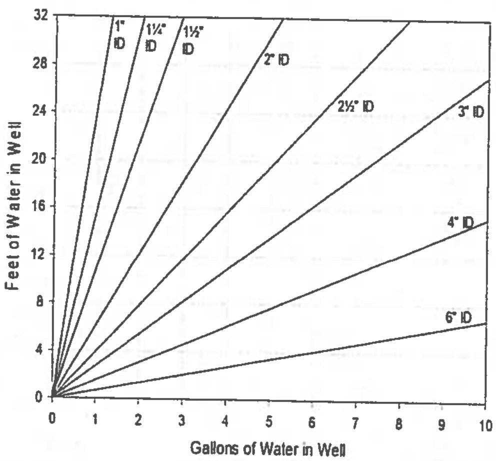
Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114-MW4D-118.8-20211217					1015

Comments WL NOT STABLE @ 50 GPM

Signature [signature] Date 12/17/21

Y14-MW4D
118.8

Purge Volume Calculation



Volume / Linear Ft. of Pipe		
ID (in)	Gallon	Liter
0.25	0.0025	0.0097
0.375	0.0057	0.0217
0.5	0.0102	0.0386
0.75	0.0229	0.0869
1	0.0408	0.1544
1.25	0.0637	0.2413
1.5	0.0918	0.3475
2	0.1632	0.6178
2.5	0.2550	0.9653
3	0.3672	1.3900
4	0.6528	2.4711
6	1.4688	5.5600

(continued from front)

Time (24 hr)	Volume Removed (Liters)	Temp (°C)	pH (S.U.)	Spec. Cond (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (ft)	Color/Odor
910	4000 ml	1569	919	0.224	0.42	-83.0	12.0	50	10.68	clean
920	4500 ml	1568	918	0.224	0.31	-90.0	11.7	50	10.75	clean
930	5000 ml	1568	918	0.224	0.23	-116.7	10.2	50	1088	clean
940	5500 ml	1568	9.18	0.224	0.14	-122.2	10.5	50	1098	clean
950	6000 ml	1567	9.18	0.224	0.19	-124.7	9.8	50	11.00	clean
1000	6500 ml	1568	9.18	0.224	0.20	-126.2	9.7	50	11.10	clean
10:10	7000 ml	1568	9.18	0.224	0.17	-128.1	9.8	50	11.20	clean

AECOM

Well ID: 114-MW4D

123.8

Low Flow Ground Water Sample Collection Record

Client: PPG Industries
Date: 12/17/21
Time: Start 1135 am/pm
Finish ______ am/pm
Project No: 60667926, GW.BR.RI-Field
Site Location: PPG Site 114, Jersey City, NJ
Weather Conds: Cloudy 60s
Collector: E ACS

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 127.2
c. Length of Water Column 118.7 (a-b)
Casing Diameter/Material 6" steel
b. Water Table Depth 8.50
d. Calculated System Volume (see back) 173.30

2. WELL PURGE DATA

a. Purge Method: BLADDER PUMP

b. Acceptance Criteria defined (see workplan)

- Temperature	3%	-D.O.	10%	- Turbidity	< 10 NTU
- pH	± 0.1 unit	- ORP	± 10mV		
- Sp. Cond.	3%	- Drawdown	< 0.3'		

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	650 MDS	13 J100449
LaMotte	2020	30495

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
1135	500	16.76	9.14	0.224	-0.26	-255.4	12.2	50	11.60	Clear	—
1145	1000	16.82	9.11	0.220	-0.29	-265.6	12.4	50	11.72	Clear	—
1155	1500	16.63	9.12	0.220	-0.29	-290.0	11.2	50	11.82	Clear	—
1205	2000	16.63	9.12	0.220	-0.30	-292.0	10.5	50	11.92	Clear	—
1215	2500	16.62	9.10	0.220	-0.32	-294.2	10.0	50	12.04	Clear	—
1225	3000	16.60	9.10	0.220	-0.34	-290.2	9.9	50	12.14	Clear	—
1235	3500	16.60	9.11	0.220	-0.30	-288.2	9.7	50	12.24	Clear	—

(continued on back)

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☐	☒
Has required turbidity been reached	☐	☐	☐
Have parameters stabilized	☐	☒	☐

If no or N/A - Explain below.
No minimum purge volume required for low-flow sampling.

3. SAMPLE COLLECTION: Method: BLADDER PUMP

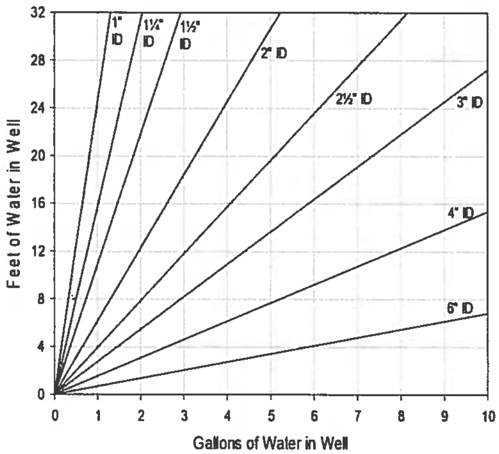
Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114-MW4D-123.8-20211217					1315

Comments: WL NOT STABLE @ 50 ml/min

Signature: [signature]
Date: 12/17/21

Purge Volume Calculation

MW 4D
123.8



Volume / Linear Ft. of Pipe		
ID (in)	Gallon	Liter
0.25	0.0025	0.0097
0.375	0.0057	0.0217
0.5	0.0102	0.0386
0.75	0.0229	0.0869
1	0.0408	0.1544
1.25	0.0637	0.2413
1.5	0.0918	0.3475
2	0.1632	0.6178
2.5	0.2550	0.9653
3	0.3672	1.3900
4	0.6528	2.4711
6	1.4688	5.5600

(continued from front)

Time (24 hr)	Volume Removed (Liters)	Temp (°C)	pH (S.U.)	Spec. Cond (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (ft)	Color/Odor
1245	4000 ml	16 60	9.11	0.220	-0.32	-283.0	10.1	50	12.35	CLEAR
1255	4500 ML	1659	9.11	0.220	-0.30	-285.2	9.7	50	12.45	CLEAR
1305	5000 ML	16 60	9.11	0.220	-0.28	-287.1	9.8	50	12.55	CLEAR
1310	550 ml	16 60	9.11	0.220	-0.32	-285.3	9.6	15	12.65	CLEAR

AECOM

Well ID: 114-MW66D
118.5

Low Flow Ground Water Sample Collection Record

Client: PPG
Date: 12/14/21
Time: Start 930 am/pm
Project No: 60624321
Finish 1050 am/pm
Site Location: PPG Site 114
Weather Conds: SUNNY 50°
Collector: EAG

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 145.40 ft
c. Length of Water Column 136.38 (a-b)
Casing Diameter/Material 6" STEEL

b. Water Table Depth 9.02
d. Calculated System Volume (see back) 199.11

2. WELL PURGE DATA

a. Purge Method: BLADDER PUMP

b. Acceptance Criteria defined (see workplan)

- Temperature	3%	-D.O.	10%	- Turbidity	< 10 NTU
- pH	± 0.1 unit	- ORP	± 10mV		
- Sp. Cond.	3%	- Drawdown	< 0.3'		

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	650MDS	13J100445
LaMotte	2020	30495

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
940	50mL	10.68	7.90	2,170	2.58	322.3	13.42	50	9.18	YELLOW	—
950	400mL	11.33	7.91	2055	1.12	312.9	12.00	50	9.32	YELLOW	—
10:00	1100mL	11.45	7.89	2043	0.92	302.1	11.40	50	9.40	YELLOW	—
10:10	1600mL	11.60	7.88	2034	0.52	290.1	10.01	50	9.48	YELLOW	—
10 20	2100mL	11.62	7.88	2028	0.35	286.2	9.82	50	9.55	YELLOW	—
10 30	2600mL	11.70	7.88	2030	0.33	288.6	9.71	50	9.65	YELLOW	—
10 40	3100mL	11.71	7.88	2037	0.30	290.2	9.75	50	9.75	YELLOW	—

(continued on back)

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☐	☒
Has required turbidity been reached	☒	☐	☐
Have parameters stabilized	☐	☒	☐

If no or N/A - Explain below.
No minimum purge volume required for low-flow sampling.

3. SAMPLE COLLECTION: Method: BLADDER PUMP

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114-MW66D-118.5-20211214			NITRIC	CR6 TOT CR	10:45

Comments: WL DROPPED @ 50 mL/min

Signature: [signature]
Date 12/14/21

AECOM

Well ID: 114-MW66D 121.5

Low Flow Ground Water Sample Collection Record

Client: PPG Industries	Date: 12/14/21 Time: Start 1030 am/pm
Project No: 60667926, GW.BR.RI-Field	Finish 1205 am/pm
Site Location: PPG Site 114, Jersey City, NJ	
Weather Conds: Sunny 30s	Collector: E. AGS

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 145.40 c. Length of Water Column 136.38 (a-b)

b. Water Table Depth 9.02 d. Calculated System Volume (see back) 199.11

Casing Diameter/Material 6" STEEL

2. WELL PURGE DATA

a. Purge Method: BLADDER PUMP

b. Acceptance Criteria defined (see workplan)

- Temperature	3%	-D.O.	10%	- Turbidity	< 10 NTU
- pH	± 0.1 unit	- ORP	± 10mV		
- Sp. Cond.	3%	- Drawdown	< 0.3'		

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	650 MDS	13540044S
LAMOTTE	2020	30495

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
1055	500mL	1196	788	2031	0.27	283.0	10.16	50	9.78	Yellow	—
1105	1000mL	1215	787	2025	0.27	273.7	10.05	50	9.84	Yellow	—
1115	1500mL	1234	787	2027	0.25	275.7	10.01	50	9.88	Yellow	—
1125	2000mL	1300	787	2021	0.26	273.0	9.93	50	9.90	Yellow	—
1135	2500mL	1322	787	2020	0.25	272.0	9.90	50	9.92	Yellow	—
1145	3000mL	1327	788	2013	0.25	270.1	9.90	50	9.95	Yellow	—
1155	3500mL	1328	788	2015	0.25	269.2	9.88	50	9.98	Yellow	—

d. Acceptance criteria pass/fail (continued on back)

	Yes	No	N/A
Has required volume been removed	☐	☐	☒
Has required turbidity been reached	☒	☐	☐
Have parameters stabilized	☐	☒	☐

If no or N/A - Explain below.

No minimum purge volume required for low-flow sampling.

3. SAMPLE COLLECTION: Method: BLADDER PUMP

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114-MW66D-121.5-20211214			NORM		1200

Comments WL DROPPING @ 50 mL/min

Signature [signature] Date 12/14/21

AECOM

Well ID: 114-MW 66D

124.0

Low Flow Ground Water Sample Collection Record

Client: PPG Industries	Date: 12/14/21 Time: Start 1210 am/pm Finish ____ am/pm
Project No: 60667926, GW.BR.RI-Field	
Site Location: PPG Site 114, Jersey City, NJ	
Weather Conds: Sunny 50's	Collector: E. Ates

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 145.42 c. Length of Water Column 136.35 (a-b)

b. Water Table Depth 9.02 d. Calculated System Volume (see back) 199.11

Casing Diameter/Material: 6" Steel

2. WELL PURGE DATA

a. Purge Method: Bladder Pump

b. Acceptance Criteria defined (see workplan)

- Temperature	3%	-D.O.	10%	- Turbidity	< 10 NTU
- pH	± 0.1 unit	- ORP	± 10mV		
- Sp. Cond.	3%	- Drawdown	< 0.3'		

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	650 MDS	13540044S
LaMotte	2020	30475

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
1220	500	1243	788	2026	0.22	258.8	10.03	50	9.94	Yellow	—
1230	1000	11.78	788	2029	0.27	256.9	10.00	50	9.96	Yellow	—
1240	1500	1246	788	2020	0.29	257.8	9.95	50	10.00	Yellow	—
1250	2000	1248	788	2017	0.25	253.3	9.91	50	10.04	Yellow	—
1300	2500	1250	788	2016	0.23	252.5	9.90	50	1006	Yellow	—
1310	3000	1252	788	2014	0.22	251.2	9.89	50	1008	Yellow	—
1320	3500	1253	7.88	2014	0.21	250.2	9.86	50	1012	Yellow	—

d. Acceptance criteria pass/fail

(continued on back)

	Yes	No	N/A
Has required volume been removed	☐	☐	☒
Has required turbidity been reached	☒	☐	☐
Have parameters stabilized	☐	☒	☐

If no or N/A - Explain below.

No minimum purge volume required for low-flow sampling.

3. SAMPLE COLLECTION: Method: Bladder Pump

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114-MW66D - 124.0 - 20211214			HNO3		1325

Comments WL Drawdown @ 50 ml/min

Signature ____ Date 12/14/21

AECOM

Well ID: 114-MW66D
128.0

Low Flow Ground Water Sample Collection Record

Client: PPG Industries   Date: 12/15/21   Time: Start 740 am/pm
Project No: 60667926, GW.BR.RI-Field   Finish 955 am/pm
Site Location: PPG Site 114, Jersey City, NJ
Weather Conds: M CLOUDY 50's   Collector: S ALS

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 145.41 c. Length of Water Column 136.35 (a-b)   Casing Diameter/Material 6" STEEL

b. Water Table Depth 8.80 d. Calculated System Volume (see back) 199.11

2. WELL PURGE DATA

a. Purge Method: BLADDER PUMP

b. Acceptance Criteria defined (see workplan)

- Temperature	3%	-D.O.	10%	- Turbidity	< 10 NTU
- pH	± 0.1 unit	- ORP	± 10mV		
- Sp. Cond.	3%	- Drawdown	< 0.3'		

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	650MDS	13J100445
LAMOTTE	2020	3049T

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
750	500 ml	11.80	8.35	1.777	2.92	218.0	11.1	50	8.85	YELLOW	—
800	1000 ml	11.75	8.33	1.750	2.46	219.5	10.5	50	8.92	YELLOW	—
810	1500 ml	11.62	8.31	1.734	1.09	217.3	10.2	50	8.97	YELLOW	—
820	2000 ml	11.55	8.29	1.713	0.98	215.3	9.85	50	9.02	YELLOW	—
830	2500	11.52	8.28	1.689	0.93	212.8	9.90	50	9.09	YELLOW	—
840	3000	11.53	8.28	1.693	0.91	210.9	9.88	50	9.12	YELLOW	—
850	3500	11.55		16.90	0.92	209.9	9.89	50	9.15	YELLOW	—

d. Acceptance criteria pass/fail

(continued on back)

	Yes	No	N/A
Has required volume been removed	☐	☐	☒
Has required turbidity been reached	☒	☐	☐
Have parameters stabilized	☐	☒	☐

If no or N/A - Explain below.
No minimum purge volume required for low-flow sampling.

3. SAMPLE COLLECTION: Method: BLADDER PUMP

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114-MW66D-128.0-20211215				WITH MS/MSD	900
114-MW66D-128.0-20211215 X					910

Comments DTW DRAWDOWN CONTINUED @ 50 ML/MIN

Signature [signature]   Date 12/15/21

AECOM

Well ID: 114-MW-66D
140.0

Low Flow Ground Water Sample Collection Record

Client: PPG Industries Date: 12/21/21 Time: Start 1015 am/pm
Project No: 60667926, GW.BR.RI-Field Finish 1300 am/pm
Site Location: PPG Site 114, Jersey City, NJ
Weather Conds: OVERCAST 30's Collector: E AW

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 142.27 c. Length of Water Column 133.83 (a-b) Casing Diameter/Material 6" STEEL

b. Water Table Depth 8.44 d. Calculated System Volume (see back) 219.48

2. WELL PURGE DATA

a. Purge Method: GRUNFLOS PUMP

b. Acceptance Criteria defined (see workplan)

- Temperature	3%	-D.O.	10%	- Turbidity	< 10 NTU
- pH	± 0.1 unit	- ORP	± 10mV		
- Sp. Cond.	3%	- Drawdown	< 0.3'		

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	650MDS	J13010044S
LAMOTTE	2020	30495

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
1030	500 mL	5.59	9.22	1.725	0.88	-51.0	20.2	50	8.05	Yellow	—
1040	1000 mL	8.82	8.33	1.845	0.90	-22.5	18.1	50	8.15	Yellow	—
1050	1500 mL	8.75	8.35	1.815	1.08	91.8	17.2	50	8.25	Yellow	—
1100	2000 mL	8.27	8.33	1.823	1.00	97.2	16.9	50	8.36	Yellow	—
1110	2500 mL	7.96	8.29	1.799	1.07	107.6	16.5	50	8.45	Yellow	—
1120	3000 mL	9.57	8.27	1794	0.91	114.8	15.5	50	8.56	Yellow	—
1130	3500 mL	9.55	8.26	1797	0.75	117.7	14.2	50	8.66	Yellow	—

d. Acceptance criteria pass/fail

(continued on back)

	Yes	No	N/A
Has required volume been removed	☐	☐	☒
Has required turbidity been reached	☒	☐	☐
Have parameters stabilized	☒	☐	☐

If no or N/A - Explain below.
No minimum purge volume required for low-flow sampling.

3. SAMPLE COLLECTION: Method: GRUNDFLOS PUMP

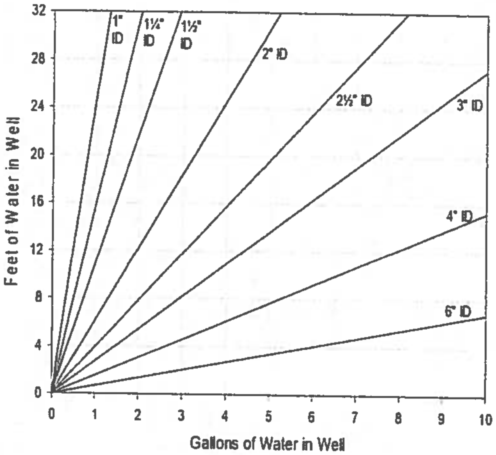
Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114-MW-66D-140.0-20211221					1250

Comments DRAWDOWN NOT STABLE @ 50 mL/min
PUMP DOWN @ BOTTOM OF WELL

Signature [signature] Date 12/21/21

Purge Volume Calculation

MW-66D
140.0



Volume / Linear Ft. of Pipe		
ID (in)	Gallon	Liter
0.25	0.0025	0.0097
0.375	0.0057	0.0217
0.5	0.0102	0.0386
0.75	0.0229	0.0869
1	0.0408	0.1544
1.25	0.0637	0.2413
1.5	0.0918	0.3475
2	0.1632	0.6178
2.5	0.2550	0.9653
3	0.3672	1.3900
4	0.6528	2.4711
6	1.4688	5.5600

(continued from front)

Time (24 hr)	Volume Removed (Liters)	Temp (°C)	pH (S.U.)	Spec. Cond (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (ft)	Color/Odor
1140	4000 mL	10.22	827	1.799	0.76	117.7	13.9	50	8.75	yellow
1150	4500 mL	1059	828	1777	067	116.2	12.6	50	8.84	yellow
1200	5000 mL	10.00	827	1773	0.36	114.9	12.4	50	8.96	yellow
1210	5500 mL	995	822	1775	0.35	114.8	11.8	50	7.05	yellow
1220	6000 mL	9.80	819	1767	0.31	113.9	10.6	50	7.16	yellow
1230	6500 mL	9.82	814	1765	0.30	113.8	9.8	50	7.24	yellow
1240	7000 mL	9.80	8.19	1765	0.31	113.7	9.6	50	7.34	yellow

AECOM

Well ID: 114 - MW-72D
103.5

Low Flow Ground Water Sample Collection Record

Client: PPG Industries Date: 12/15/21 Time: Start 1130 am/pm
Project No: 60667926, GW.BR.RI-Field Finish 1246 am/pm
Site Location: PPG Site 114, Jersey City, NJ
Weather Conds: M CLOUDY 50's Collector: E.ACI

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 127.82 c. Length of Water Column 122.75 (a-b) Casing Diameter/Material 6" STEEL

b. Water Table Depth 5.07 d. Calculated System Volume (see back) 179.22

2. WELL PURGE DATA

a. Purge Method: BLADDER PUMP

b. Acceptance Criteria defined (see workplan)

- Temperature 3% -D.O. 10% - Turbidity < 10 NTU
- pH ± 0.1 unit - ORP ± 10mV
- Sp. Cond. 3% - Drawdown < 0.3'

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	650 MDS	13J100445
LAMOTTE	2020	30495

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
1135	500 mL	12.77	13.66	7.103	2.52	1.55	5.74	50	5.13	SL YELLOW	—
1140	1000 mL	12.76	13.65	7.107	2.78	1.42	3.41	50	5.32	SL YELLOW	—
1150	1500 mL	12.75	13.65	7.100	2.41	1.55	2.26	50	5.42	SL YELLOW	—
1200	2000 mL	12.77	13.67	7.102	1.02	1.26	2.20	50	5.50	SL YELLOW	—
1210	2500 mL	12.74	13.67	7.102	0.52	-32.0	2.42	50	5.63	SL YELL	—
1220	3000 mL	12.74	13.67	7.104	0.49	-30.0	2.44	50	5.75	SL YELLOW	—
1230	3500 mL	12.72	13.67	7.106	-0.52	-31.2	2.50	50	5.85	SL YELL.	—

d. Acceptance criteria pass/fail (continued on back)

	Yes	No	N/A
Has required volume been removed	☐	☐	☒
Has required turbidity been reached	☒	☐	☐
Have parameters stabilized	☐	☒	☐

If no or N/A - Explain below.
No minimum purge volume required for low-flow sampling.

3. SAMPLE COLLECTION: Method: BLADDER PUMP

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114-MW-72D - 103.5 - 20211215					

Comments DRAWDOWN NOT STABLE @ 50 mL/min

Signature [signature] Date 12/15/21

AECOM

Well ID: 114 - MW - 72D

113.5

Low Flow Ground Water Sample Collection Record

Client: PPG Industries Date: 12/15/21 Time: Start 1240 am/pm
Project No: 60667926, GW.BR.RI-Field Finish ______ am/pm
Site Location: PPG Site 114, Jersey City, NJ
Weather Conds: M CLOUDY 50's Collector: S AG

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 127.82 c. Length of Water Column 122.75 (a-b) Casing Diameter/Material 6" STEEL

b. Water Table Depth 5.07 d. Calculated System Volume (see back) 179.27

2. WELL PURGE DATA

a. Purge Method: BLADDER PUMP

b. Acceptance Criteria defined (see workplan)

- Temperature	3%	-D.O.	10%	- Turbidity	< 10 NTU
- pH	± 0.1 unit	- ORP	± 10mV		
- Sp. Cond.	3%	- Drawdown	< 0.3'		

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	650 MDS	13J100449
LaMotte	2020	30495

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
1250	500 mL	1282	1366	7.091	2.82	1.62	2.07	50	6.10	SL YELLOW	—
1300	1000 mL	1316	1365	7.076	2.88	1.78	2.12	50	6.20	SL YELLOW	—
1310	1500 mL	1314	1365	7082	2.76	1.75	2.14	50	6.32	SL YELL	—
1320	2000 mL	1304	1365	7.075	1.127	-40.2	3.25	50	6.42	SL YELLOW	—
1330	2500 mL	1322	1364	7074	0.22	-32.2	3.90	50	6.52	SL YELLOW	—
13:40	3000 mL	1320	1364	7074	0.25	-33.2	3.62	50	6.62	SL YELLOW	—
1350	3500 mL	1324	1364	7073	0.27	-33.0	3.46	50	6.72	SL YELLOW	—

d. Acceptance criteria pass/fail (continued on back)

	Yes	No	N/A
Has required volume been removed	☐	☐	☒
Has required turbidity been reached	☒	☐	☐
Have parameters stabilized	☐	☒	☐

If no or N/A - Explain below.

No minimum purge volume required for low-flow sampling.

3. SAMPLE COLLECTION: Method: BLADDER PUMP

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114-MW-72D-113.5-20211214					1400

Comments DTW CONTINUES TO DROP @ 50 mL/min

Signature [signature] Date 12/15/21

AECOM

Well ID: MW-72D
125.0

Low Flow Ground Water Sample Collection Record

Client: PPG	Date: 12/16/21	Time: Start 730 am/pm	
Project No: 60624321		Finish 900 am/pm	
Site Location: PPG Site 114			
Weather Conds: OVERCAST – 60's	Collector: E ACI		

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 127.82 c. Length of Water Column 122.75 (a-b) Casing Diameter/Material 6" STEEL

b. Water Table Depth 5.07 d. Calculated System Volume (see back) 179.27

2. WELL PURGE DATA WL @ START 12/16/21 = 4.96

a. Purge Method: BLADDER PUMP

b. Acceptance Criteria defined (see workplan)

- Temperature 3% -D.O. 10% - Turbidity < 10 NTU
- pH ± 0.1 unit - ORP ± 10mV
- Sp. Cond. 3% - Drawdown < 0.3'

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	650 MDS	13J100449
LAMOTTE	2020	30495

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
740	500mL	13.79	12.76	7.070	2.43	134.6	2.62	50	5.06	SL YELLOW	—
750	1000mL	13.64	13.33	7.100	1.42	191.7	1.66	50	5.08	SL YELLOW	—
800	1500mL	1364	1334	7.100	1.27	191.1	1.92	50	5.22	SL YELL	—
810	2000mL	1362	1336	7.117	0.76	87.3	2.02	50	5.32	SL YELLOW	—
820	2500mL	1365	1337	7.115	0.42	-21.2	2.33	50	5.42	SL YELL	—
830	3000mL	1366	1337	7118	0.42	-20.0	2.16	50	5.55	SL YELLOW	—
840	3500mL	1368	1337	7122	0.41	-20.6	2.20	50	5.65	SL YELL	—

d. Acceptance criteria pass/fail

(continued on back)

	Yes	No	N/A
Has required volume been removed	☐	☐	☒
Has required turbidity been reached	☒	☐	☐
Have parameters stabilized	☐	☒	☐

If no or N/A - Explain below.

No minimum purge volume required for low-flow sampling.

3. SAMPLE COLLECTION: Method: BLADDER PUMP

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114-MW-72D-125.0-20211216					850

Comments DRAWDOWN NOT STABLE @ 50 mL/m

Signature [signature] Date 12/16/21

AECOM

Well ID: 114-MW61D

Low Flow Ground Water Sample Collection Record

Client: PPG Industries Date: 4/21/22 Time: Start 1115 am/pm Finish ______ am/pm
Project No: bedrock GWRI - 60667926
Site Location: Jersey City
Weather Conds: breezy, 55°, sunny Collector: E. Acs + T. Miller

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 138.08 c. Length of Water Column 126.19 (a-b) Casing Diameter/Material 2" PVC

b. Water Table Depth 11.89 d. Calculated System Volume (see back) 20.59 gal.

sample interval - 130.8'

2. WELL PURGE DATA

a. Purge Method: Bladder Pump

b. Acceptance Criteria defined (see workplan)

- Temperature	3%	-D.O.	10%	- Turbidity	< 10 NTU
- pH	± 0.1 unit	- ORP	± 10mV		
- Sp. Cond.	3%	- Drawdown	< 0.3'		

c. Field Testing Equipment used:

Make	Model	Serial Number
Hach	2100Q	48642
YSI	6920	18008 (display) 1844 (sonde)
QED	MP50	049594

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
1120	.750	15.86	10.09	0.410	6.33	-59.0	6.69	150	10.37	clear	none
1125	1.50	16.64	10.05	0.420	2.56	-109.4	42.9	150	10.35	clear	—
1130	2.25	15.48	10.06	0.414	4.46	-126.9	57.4	150	10.32	clear	—
1135	3.00	15.62	10.06	0.412	2.26	-130.8	43.2	150	10.33	clear	—
1145	4.50	15.38	10.05	0.408	1.82	-140.8	58.6	150	10.35	clear	—
1155	6.00	15.05	10.03	0.406	0.84	-146.3	53.3	150	10.37	clear	—
1205	7.50	14.63	10.05	0.405	0.42	-152.3	61.6	150	10.38	clear w/ little white specks	

(continued on back)

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☐	☒
Has required turbidity been reached	☒	☐	☐
Have parameters stabilized	☒	☐	☐

If no or N/A - Explain below.
No minimum purge volume required for low-flow sampling.

3. SAMPLE COLLECTION: Method: low flow w/ bladder pump.

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114 - MW51D - 130.8 - 20220421					1430

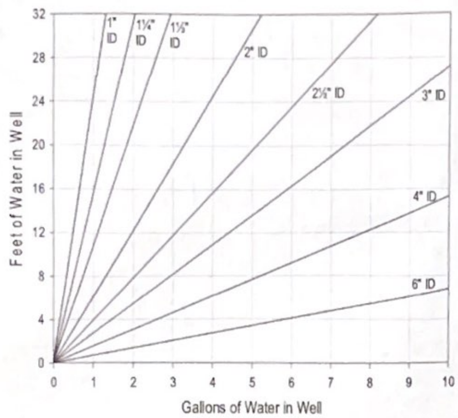
Comments: Set control box to MN 20-refill 10-discharge (150 mL/min) 80 psi
Although water was clear, very small white flocs were present in the water.

Signature: [signature] Date: 4/21/21

4/21/22

Well ID: 114-MW61D

Purge Volume Calculation



Volume / Linear Ft. of Pipe		
ID (in)	Gallon	Liter
0.25	0.0025	0.0097
0.375	0.0057	0.0217
0.5	0.0102	0.0386
0.75	0.0229	0.0869
1	0.0408	0.1544
1.25	0.0637	0.2413
1.5	0.0918	0.3475
2	0.1632	0.6178
2.5	0.2550	0.9653
3	0.3672	1.3900
4	0.6528	2.4711
6	1.4688	5.5600

(continued from front)

Time (24 hr)	Volume Removed (Liters)	Temp (°C)	pH (S.U.)	Spec. Cond (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (ft)	Color/Odor
1215	9.0	14.44	10.03	0.404	0.54	-151.0	43.7	150	10.39	clear- tiny white specks flocs
1225	10.5	1437	10.02	0404	0.64	-147.8	35.5	150	10.38	As Above
1235	12.0	14.35	10.02	0.404	0.59	-148.8	35.0	150	10.35	" "
1245	13.5	14.47	10.01	0.405	0.52	-149.9	33.0	150	10.35	" "
1255	15.00	14.72	9.98	0.398	0.53	-147.3	29.5	150	10.33	" "
1305	16.50	1483	9.85	0.371	0.93	-125.7	26.7	150	10.37	" "
1315	18.00	1505	9.80	0.361	0.88	-99.2	18.5	150	10.38	" "
1325	19.50	1499	9.78	0.360	1.00	-85.0	19.4	150	10.33	" "
1335	21.00	1558	9.76	0.358	0.97	-72.0	14.5	150	10.33	" "
1345	22.50	15.58	9.76	0.358	1.09	-64.6	12.6	150	10.35	" "
1355	24.00	15.76	9.75	0.356	1.91	-64.1	12.8	150	10.33	" "
1405	25.50	1533	9.78	0.355	1.87	-64.2	9.9	150	10.35	" "
1415	27.0	1530	9.78	0.354	1.89	-64.0	9.6	150	10.34	" "
1425	28.5	1532	9.78	0.355	1.85	-65.2	9.4	150	10.35	" "

Sample @ 1430

114-MW57D

Well ID:

AECOM

Low Flow Ground Water Sample Collection Record

Client: PPG Industries
Date: 8/4/22
Time: Start 0830 am/pm
Finish 1005 am/pm
Project No: 60667926, GW.BR.RI-Field
Site Location: PPG Site 114, Jersey City, NJ
Weather Conds: 82°F Sunny
Collector: S. Reyes

TARget 87.25

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length ______ c. Length of Water Column ______ (a-b)

Casing Diameter/Material 6in Steel

b. Water Table Depth 8.9 d. Calculated System Volume (see back) ______

2. WELL PURGE DATA

a. Purge Method: BLADDER LOW FLOW

b. Acceptance Criteria defined (see workplan)

- Temperature	3%	-D.O.	10%	- Turbidity	< 10 NTU
- pH	± 0.1 unit	- ORP	± 10mV		
- Sp. Cond.	3%	- Drawdown	< 0.3'		

c. Field Testing Equipment used:

Make	Model	Serial Number
HACH	2100Q	37430
Compressor	Controller	048559
YSI	6008L	P: 1009 M: 2843

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
0900		30.34	9.42	1.678	2.48	57.3	16.8	102	8.90	CLEAR *	None
0905		29.43	9.45	1.671	1.88	36.0	9.93		9.00	Clear	None
0910		29.53	9.46	1.662	1.67	24.3	9.22		9.02	Clear	None
0915		29.68	9.46	1.660	1.58	17.9	7.99		9.20	CLEAR	None
0920		29.90	9.46	1.658	1.52	10.0	8.09		9.25	CLEAR	None
0925		30.09	9.46	1.659	1.40	2.6	8.59		9.30	CLEAR	None
0930		30.28	9.46	1.660	1.30	1.4	7.97	↓	9.33	CLEAR	None

(continued on back)

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☐	☑
Has required turbidity been reached	☑	☐	☐
Have parameters stabilized	☑	☐	☐

If no or N/A - Explain below.

No minimum purge volume required for low-flow sampling.

3. SAMPLE COLLECTION: Method: BLADDER LOW FLOW

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114-MW57D-87.25-20220804		2	None + Nitric		0950

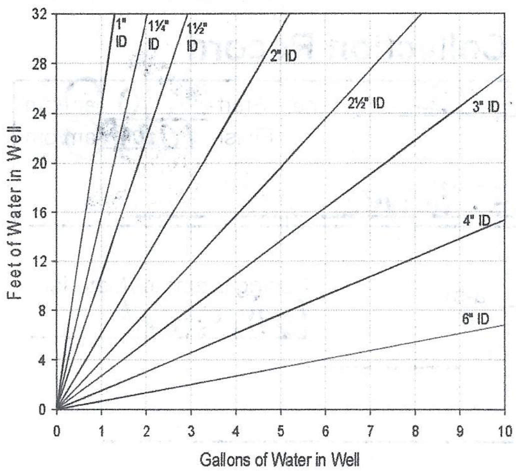
Comments: CLEAR w/ some black suspended fines (pictured)*
102 > 10.5
4.5

Signature ______ Date 8/4/22

114-MW57D

Well ID:

Purge Volume Calculation



Volume / Linear Ft. of Pipe		
ID (in)	Gallon	Liter
0.25	0.0025	0.0097
0.375	0.0057	0.0217
0.5	0.0102	0.0386
0.75	0.0229	0.0869
1	0.0408	0.1544
1.25	0.0637	0.2413
1.5	0.0918	0.3475
2	0.1632	0.6178
2.5	0.2550	0.9653
3	0.3672	1.3900
4	0.6528	2.4711
6	1.4688	5.5600

(continued from front)

Time (24 hr)	Volume Removed (Liters)	Temp (°C)	pH (S.U.)	Spec. Cond. (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (ft)	Color/Odor
0935		30.37	9.46	1.658	1.26	-4.0	8.30		9.38	Clear/None
0940		30.64	9.46	1.656	1.22	-6.6	8.54		9.43	Clear/None
0945		30.82	946	1.657	1.15	-10.0	8.59		9.50	Clear/None

114-MW57D

AECOM

Well ID:

Low Flow Ground Water Sample Collection Record

Client: PPG Industries
Date: 8/4/22
Time: Start 1005 am/pm
Project No: 60667926, GW.BR.RI-Field
Finish ________ am/pm
Site Location: PPG Site 114, Jersey City, NJ
Weather Conds: 84°F Sunny
Collector: S. Reyes

TArget 90

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length ________ c. Length of Water Column ________ (a-b)
Casing Diameter/Material 6in steel

b. Water Table Depth 8.9 d. Calculated System Volume (see back) ________

2. WELL PURGE DATA

a. Purge Method: BlADDER LOW FlOW

b. Acceptance Criteria defined (see workplan)

- Temperature	3%	-D.O.	10%	- Turbidity	< 10 NTU
- pH	± 0.1 unit	- ORP	± 10mV		
- Sp. Cond.	3%	- Drawdown	< 0.3'		

c. Field Testing Equipment used:

Make	Model	Serial Number
HACH	2100Q	37430
COMPRESSOR		048559
YSI	600XL	p:1009 m:2843

	Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
1040	~~1030~~		35.91	9.40	1.728	1.35	41.7	17.0	102	9.74	CleAR	None
1045	~~1035~~		29.58	9.40	1.670	1.07	5.0	26.0		9.76	cleAR	None
1050	~~1040~~		30.26	9.41	1.663	0.94	0.8	29.2		9.80	CleAR	None
1055	~~1045~~		30.47	9.41	1.657	0.82	-13.5	23.0		9.87	cleAR	None
1100	~~1050~~		31.45	9.41	1.662	0.71	-21.7	22.6		9.90	cleAR	None
1105	~~1055~~		31.52	9.41	1.679	0.63	-26.9	20.0		9.95	cleAR	None
1110	~~1100~~		31.53	9.41	1.667	0.55	-33.9	19.4		10.02	CleAR	None

(continued on back)

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☐	☒
Has required turbidity been reached	☐	☐	☐
Have parameters stabilized	☐	☐	☐

If no or N/A - Explain below.

No minimum purge volume required for low-flow sampling.

3. SAMPLE COLLECTION: Method: BlADDER LOW FlOW

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114-MW 57D-90-20220804		2	None + Nitric		

Comments 102 >10.5
4.5

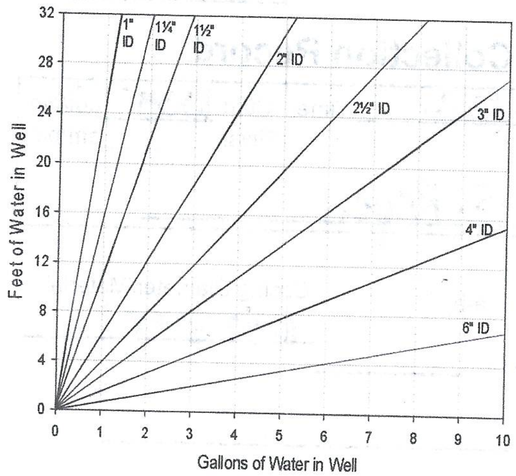
Signature SR

Date 8/4/22

114-MW57D

Well ID: /

Purge Volume Calculation



Volume / Linear Ft. of Pipe		
ID (in)	Gallon	Liter
0.25	0.0025	0.0097
0.375	0.0057	0.0217
0.5	0.0102	0.0386
0.75	0.0229	0.0869
1	0.0408	0.1544
1.25	0.0637	0.2413
1.5	0.0918	0.3475
2	0.1632	0.6178
2.5	0.2550	0.9653
3	0.3672	1.3900
4	0.6528	2.4711
6	1.4688	5.5600

(continued from front)

	Time (24 hr)	Volume Removed (Liters)	Temp (°C)	pH (S.U.)	Spec. Cond. (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (ft)	Color/Odor
	1115		31.39	9.41	1.672	0.51	-38.8	17.8			Clear/None
	1120		30.95	9.41	1.670	0.45	-42.7	19.0			Clear/None
	1125		30.79	9.41	1.662	0.42	-42.1	17.9			Clear/None
	1130		30.94	9.41	1.665	0.37	-44.6	17.8			Clear/None
	1135		30.85	9.41	1.661	0.32	-43.4	17.0			Clear/None
1HR	1140		30.70	9.42	1.662	0.29	-44.6	17.1			Clear/None
	1145		31.76	9.41	1.661	0.26	-41.4	17.5			Clear/None
	1150		30.91	9.41	1.660	0.24	-44.0	18.1			Clear/None
	1155		31.06	9.41	1.658	0.23	-44.1	17.7			Clear/None
	1200		31.22	9.41	1.655	0.21	-44.5	17.0			Clear/None
	1205		31.00	9.41	1.658	0.20	-48.2	16.2			Clear/None
	1210		30.23	9.42	1.661	0.18	-50.0	14.3			Clear/None
	1215		29.33	9.42	1.651	0.18	-58.1	10.1			Clear/None
	1220		30.64	9.42	1.649	0.16	-5?.?	9.82			Clear/None
	1225		30.81	9.42	1.653	0.16	-50.6	9.11			Clear/None
	1230		31.06	9.42	1.659	0.17	-51.7	9.26			Clear/None
	1235										
2HR	1240										

114-MW57D

Well ID:

AECOM

Low Flow Ground Water Sample Collection Record

Client: PPG Industries	Date: 8/5/22 Time: Start 0825 am/pm
Project No: 60667926, GW.BR.RI-Field	Finish ________ am/pm
Site Location: PPG Site 114, Jersey City, NJ	
Weather Conds: OVERCAST 78°F	Collector: S. Reyes

Target 98

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length________ c. Length of Water Column________(a-b)

b. Water Table Depth 10.9 d. Calculated System Volume (see back) ________

Casing Diameter/Material: 6in Steel

2. WELL PURGE DATA

a. Purge Method: BLADDER LOW FLOW

b. Acceptance Criteria defined (see workplan)

- Temperature	3%	-D.O.	10%	- Turbidity	< 10 NTU
- pH	± 0.1 unit	- ORP	± 10mV		
- Sp. Cond.	3%	- Drawdown	< 0.3'		

c. Field Testing Equipment used:

Make	Model	Serial Number
HACH	2100Q	37430
Air compressor		
YSI	600 XL	m: 2843 p: 1009

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
0850		24.77	9.49	1.676	2.30	68.4	16.7		10.9	CLEAR	None
0855		23.67	9.48	1.604	1.53	34.2	10.8		11.00	CLEAR	None
0900		22.02	9.49	1.587	0.90	-2.6	9.60		11.19	CLEAR	None
0905		21.40	9.50	1.583	0.63	-24.9	9.82		11.26	CLEAR	None
0910		21.36	9.51	1.590	0.56	-44.9	9.42		11.37	CLEAR	None
0915		21.47	9.51	1.586	0.53	-55.8	8.67		11.46	CLEAR	None
0920		21.27	9.51	1.587	0.48	-66.6	7.95		11.55	CLEAR	None

(continued on back)

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☐	☒
Has required turbidity been reached	☒	☐	☐
Have parameters stabilized	☐	☐	☐

If no or N/A - Explain below.

No minimum purge volume required for low-flow sampling.

3. SAMPLE COLLECTION: Method: BLADDER LOW FLOW

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114-MW57D-98-20220805		2	None + Nitric		

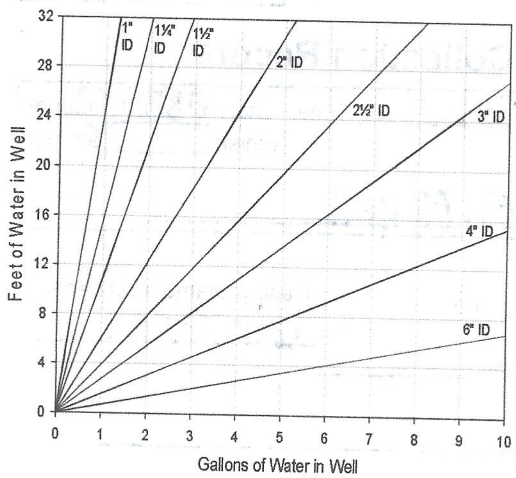
Comments: 104 > 9.5 5.5 compressor settings; some suspended small specks of black fines

Signature: SR Date: 8/5/22

114-MW57D

Well ID:

Purge Volume Calculation



Volume / Linear Ft. of Pipe		
ID (in)	Gallon	Liter
0.25	0.0025	0.0097
0.375	0.0057	0.0217
0.5	0.0102	0.0386
0.75	0.0229	0.0869
1	0.0408	0.1544
1.25	0.0637	0.2413
1.5	0.0918	0.3475
2	0.1632	0.6178
2.5	0.2550	0.9653
3	0.3672	1.3900
4	0.6528	2.4711
6	1.4688	5.5600

(continued from front)

Time (24 hr)	Volume Removed (Liters)	Temp (°C)	pH (S.U.)	Spec. Cond. (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (ft)	Color/Odor
0925		21.36	9.51	1.586	0.45	-66.1	7.76		11.69	Clear/None
0930		21.42	9.51	1.587	0.42	-72.3	7.05		11.80	Clear/None
0935		21.19	9.51	1.586	0.40	-75.9	7.31		11.91	Clear/None

114-MW60C-122-

Well ID:

AECOM

Low Flow Ground Water Sample Collection Record

Client: PPG Industries Date: 6/28/23 Time: Start 0845 am/pm
Project No: 60667926 GW.BR.RI-Field Finish 1315 am/pm
Site Location:
Weather Conds: Sunny 70°F Collector: S. Reyes M Collins

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 123.2 c. Length of Water Column ________ (a-b) Casing Diameter/Material 2in/PVC

b. Water Table Depth 7.49 d. Calculated System Volume (see back) ________

2. WELL PURGE DATA

a. Purge Method: LOW FLOW BLADDER pump

b. Acceptance Criteria defined (see workplan)

- Temperature	3%	-D.O.	10%
- pH	± 0.1 unit	- ORP	± 10mV
- Sp. Cond.	3%	- Drawdown	< 0.3'

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	600XL	m: 033334 p: 2244
HACH	2100Q	216534

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
0913	1.05	14.71	11.98	5.967	1.99	-206.3	14.2	210	7.4	clear	Slight
0918	2.1	17.04	12.09	5.962	0.59	-231.3	7.95	210	7.6		
0923	3.15	17.02	12.07	5.826	0.34	-240.7	7.54	210	7.8		
0928	3.9	18.01	12.03	5.601	0.49	-245.3	4.84	150	7.8		
0933	4.4	19.12	11.65	5.473	0.24	-244.5	5.03	100	7.8		
0938	4.9	19.42	11.86	5.228	0.33	-245.9	4.49	100	7.7		
0943	5.4	19.62	11.83	5.038	0.56	-245.0	5.15	100	7.7		

(continued on back)

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☐	☒
Has required turbidity been reached	☒	☐	☐
Have parameters stabilized	☐	☒	☐

If no or N/A - Explain below. Turbidity + D.O. did not stabilize -
No minimum purge volume required for low-flow sampling.

3. SAMPLE COLLECTION: Method: LOW FLOW

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114-MW60C-122-20230628	GlASS/Plastic	5	Multiple	See COC	1225 ~~1230~~ SR

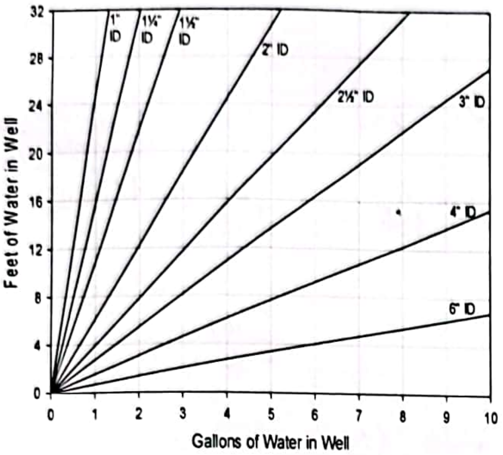
Comments

Signature [signatures] Date 6/28/23

114-MW60C

Well ID:

Purge Volume Calculation



Volume / Linear Ft. of Pipe		
ID (in)	Gallon	Liter
0.25	0.0025	0.0097
0.375	0.0057	0.0217
0.5	0.0102	0.0386
0.75	0.0229	0.0869
1	0.0408	0.1544
1.25	0.0637	0.2413
1.5	0.0918	0.3475
2	0.1632	0.6178
2.5	0.2550	0.9653
3	0.3672	1.3900
4	0.6528	2.4711
6	1.4688	5.5600

(continued from front)

	Time (24 hr)	Volume Removed (Liters)	Temp (°C)	pH (S.U.)	Spec. Cond. (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (ft)	Color/Odor
	9:48	5.9	19.71	11.74	4.814	0.67	-245.9	35.8	100	7.76	CLEAR/Slight
	9:53	6.4	20.11	11.68	4.647	0.43	-243.7	4.94	100	7.70	CLEAR/Slight
	9:58	6.9	20.71	11.68	4.578	0.55	-242.1	7.73	100	7.70	clear/slight
	10:03	7.4	20.29	11.61	4.461	0.52	-239.6	5.88	100	7.69	Clear/slight
	10:08	7.9	19.53	11.59	4.358	0.49	-237.7	4.56	100	7.69	clear/slight
1HR	10:13	8.4	19.74	11.52	4.100	~~0~~ 4.00	-236.0	3.72	100	7.70	clear/slight
	10:18	8.9	19.41	11.41	3.935	3.32	-232.4	4.23	100	7.70	clear/slight
	10:23	9.4	19.32	11.31	3.775	2.84	-227.1	3.65	100	7.7	clear/slight
	10:28	9.9	19.53	11.21	3.675	2.58	-224.8	4.23	100	7.7	Clear/slight
	10:33	10.4	19.58	11.15	3.564	2.15	-220.2	4.74	100	7.7	Clear/slight
	10:38	10.9	19.60	11.11	3.505	1.98	-219.0	4.42	100	7.7	Clear/slight
	10:43	11.4	19.64	11.03	3.457	1.71	-220.1	5.18	100	7.7	clear/slight
	10:48	11.9	19.45	10.95	3.395	1.46	-217.7	4.56	100	7.7	clear/slight
	10:53	12.4	19.45	10.87	3.339	1.48	-213.7	5.93	100	7.7	clear/slight
	10:58	12.9	19.43	10.73	3.272	1.20	-210.9	5.69	100	7.7	clear/slight
	11:03	13.4	19.51	10.61	3.265	1.13	-210.5	6.55	100	7.7	clear/slight
	11:08	13.9	19.49	10.53	3.163	.97	-208.4	6.26	100	7.7	clear/slight
2HR	11:13 ~~11:08~~	14.4	19.73	10.44	3.227	1.10	-204.8	6.16	100	7.7	CLEAR/slight
~~2HR~~	11:18	14.9	19.96	10.34	3.154	1.24	-195.8	5.73	100	7.85	Clear/slight
	11:23	15.4	19.31	10.35	3.240	1.09	-197.0	8.77	100	7.85	clear/slight
	11:28	15.9	19.54	10.52	3.362	.87	-193.9	8.89	100	7.85	clear/slight
	11:33	16.4	16.87	9.99	3.178	0.79	-183.9	5.75	100	8.00	clear/slight
	11:38	16.9	18.52	9.83	3.048	0.55	-186.5	4.74	100	7.70	clear/slight
	11:43	17.4	19.58	9.76	3.043	1.14	-185.6	6.29	100	7.70	clear/slight
	11:48	17.9	19.70	9.79	3.066	0.34	-186.9	7.40	100	7.69	clear/slight
	11:53	18.4	19.78	9.85	3.079	0.30	-188.1	8.07	100	7.70	clear/slight
	11:58	18.9	19.71	9.86	3.100	4.84	-181.4	8.88	100	7.70	clear/slight
	12:03	19.4	19.40	9.84	3.072	4.09	-184.6	11.2	100	7.70	clear/slight
	12:08	19.9	20.39	9.83	3.077	0.62	-189.6	10.5	100	7.70	clear/slight
3HR	12:13	20.4	20.91	9.79	3.074	0.76	-190.4	15.6	80	7.70	clear/slight
	12:18	20.9	22.21	9.76	3.067	0.56	-190.6	22.6	80	7.70	clear/slight
	12:23	21.4	22.29	9.85	3.095	0.69	-189.7	22.5	80	7.65	clear/slight

AECOM

Well ID	114-MW64C-94.5

Low Flow Ground Water Sample Collection Record

Client: PPG	Date: 6/28/23	Time: Start 12:10 am/pm	
Project No.: ~~60666330~~ 60677126 GWBPPS		Finish ______ am/pm	
Site Location: Garfield Ave Group of Sites			
Weather Conds.: Sunny, 80°F	Collector(s): Jayce Franco		

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 97.50 c. Length of Water Column ______ (a-b) Casing Diameter/Material 2inch PVC

b. Water Table Depth 6.36

2. WELL PURGE DATA

a. Purge Method: Low Flow using bladder pump, target depth 94.5' bTOC.

b. Acceptance Criteria defined - Applies to the last 3 readings (see workplan)

- Temperature	±3%	-D.O.	±10%	- Turbidity	< 10 NTU	±10%
- pH	± 0.1 unit	- ORP	± 10mV			
- Sp. Cond.	±3%	- Drawdown	< 0.3'			

c. Field Testing Equipment used:

	Make	Model	Serial Number
	YSI	600XLM	R12834
Container Type	HACH	2100Q	44762
	Bladder pump	QED MP50	

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (ms/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
1210	1.0	19.18	7.77	1.305	5.60	-181.4	17.8	170	6.36	pale yellow	yes
1215	1.75	18.97	7.75	1.309	0.61	-197.7	16.0	160	6.65	pale yellow	yes
1220	2.50	20.41	7.77	1.306	0.55	-210.2	20.9	155	6.98	pale yellow	yes
1225	3.25	21.28	7.77	1.311	0.53	-212.3	32.3	155	7.15	pale yellow	yes
1230	4.0	21.42	7.77	1.331	0.48	-207.5	42.7	155	7.16	pale yellow	yes
1235	4.75	21.50	7.76	1.400	0.47	-210.2	52.3	155	7.16	pale yellow	yes
1240	5.50	21.60	7.75	1.429	0.46	-213.9	59.5	155	7.16	pale yellow	yes

(continued on back)

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required turbidity been reached	☒	☐	☐
Have parameters stabilized	☐	☒	☐

If no or N/A - Explain below.

DO unstable. DNAPL traces in tubing + flow cell.

3. SAMPLE COLLECTION: Method: Low Flow using teflon-lined tubing

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114-MW64C-~~96~~ 94.5-20230628	Glass/Plastic	5	HNO3, H2SO4, None	total (see COC)	@ 1445

Hydrocarbons + sulphur like odors in GW.

Comments: throttle set up ~130 psi, DNAPL traces observed in GW at 96ft from TOC. New target interval: 94.5FT FTOC.

Signature: [signature] Date: 06/28/23

AECOM

Well ID	114-MW64C-91.5

Time (24 hr)	Volume Removed (Liters)	Temp (°C)	pH	Spec. Cond ms/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (ft)	Color/Odor
1245	6.25	21.41	7.75	1.424	0.42	-210.8	37.9	150	7.16	Pale yellow/none
1250	7.00	20.36	7.7	1.457	1.66	-206.1	29.2	150	7.16	SAA
1255	7.75	20.72	7.77	1.462	2.81	-205.3	23.5	150	7.16	SAA
1300	8.50	21.18	7.77	1.460	3.42	-205.9	21.2	150	7.16	SAA.
1305	9.25	20.66	7.77	1.444	5.81	-202.1	20.2	150	7.16	SAA
1310	10.0	20.10	7.78	1.400	6.40	-201.2	18.3	150	7.16	Pale yellow/none
1315	10.75	19.98	7.79	1.398	7.25	-190.5	15.2	150	7.16	Pale yellow/none
1320	11.50	19.92	7.79	1.390	8.90	-185.9	13.4	150	7.16	Pale yellow/none
1325	12.25	19.91	7.79	1.385	5.55	-183.2	12.8	150	7.16	Pale yellow/none
1330	13.0	19.90	7.79	1.381	3.86	-182.4	11.7	150	7.16	Pale yellow/none
1335	13.75	19.93	7.80	1.355	3.66	-177.5	10.5	150	7.16	Pale yellow/none.
1340	14.50	19.90	7.81	1.342	9.50	-176.2	9.30	150	7.16	Pale yellow/none
1345	15.25	19.86	7.82	1.337	14.99	-175.0	8.52	150	7.16	Pale yellow/none
1350	16.00	20.08	7.82	1.329	2.27	-172.2	7.33	150	7.16	Pale yellow/none.
1355	16.75	20.15	7.83	1.320	1.70	-171.3	6.02	150	7.16	Pale yellow/none
1400	17.50	20.53	7.84	1.317	1.52	-170.6	5.52	150	7.16	Pale yellow/none
1405	18.25	20.45	7.84	1.312	1.20	-169.2	5.35	150	7.16	Pale yellow/none.
1410	19.00	20.43	7.83	1.309	0.99	-167.5	5.27	150	7.16	Pale yellow/none
1415	19.75	20.39	7.84	1.301	1.00	-163.9	5.00	150	7.16	Pale yellow/yes
1420	20.5	20.49	7.85	1.296	6.64	-160.2	7.31	150	7.16	Pale yellow/yes
1425	21.25	20.25	7.86	1.292	2.84	-157.9	5.34	150	7.16	Pale yellow/yes
1430	22.00	20.01	7.86	1.274	3.38	-155.7	5.53	150	7.16	Pale yellow/yes
1435	22.75	19.98	7.83	1.284	9.14	-153.4	5.55	150	7.16	Pale yellow/yes
Stop → 1440	23.5	19.96	7.85	1.280	0.92	-152.5	5.57	150	7.16	Pale yellow/yes

CamScanner

AECOM

Well ID	114-MW55C-70.5

Low Flow Ground Water Sample Collection Record

Client: PPG
Date: 6/29/23
Time: Start 0950 am/pm
Finish 1120 am/pm
Project No: 60666330
Site Location: Garfield Ave Group of Sites
Weather Conds: Sunny, 80°F
Collector(s): Joyce Franco

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 71.13
c. Length of Water Column 64.79 (a-b)
Casing Diameter/Material 2in PVC
b. Water Table Depth 6.34

2. WELL PURGE DATA

a. Purge Method: Low Flow using bladder pump. Target depth 70.5' from TOC

b. Acceptance Criteria defined - Applies to the last 3 readings (see workplan)

- Temperature	±3%	-D.O.	±10%	- Turbidity	< 10 NTU	±10%
- pH	± 0.1 unit	- ORP	± 10mV			
- Sp. Cond.	±3%	- Drawdown	< 0.3'			

c. Field Testing Equipment used:

	Make	Model	Serial Number
	YSI	600XLM	R12834
Container Type	HACH	2100Q	44762

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (ms/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
0950	0.75	19.62	11.05	15.16	2.50	80.0	4.0	150	6.34	clear	none
0955	1.50	19.01	11.49	15.23	1.87	2.6	3.91	150	6.93	clear	none
1000	2.25	19.41	11.57	15.20	1.61	-30.2	3.85	150	7.50	clear	none
1005	3.0	19.20	11.57	15.22	1.72	-35.3	4.15	150	8.15	clear	none
1010	3.75	19.08	11.57	15.24	1.77	-36.1	4.20	150	8.54	clear	none
1015	4.50	19.01	11.58	15.28	1.82	-39.7	4.44	150	9.05	clear	none
1020	5.25	18.93	11.58	15.31	1.87	-42.8	4.68	150	9.30	clear	none

d. Acceptance criteria pass/fail	Yes	No	N/A
Has required turbidity been reached	☑	☐	☐
Have parameters stabilized	☑	☐	☐

If no or N/A - Explain below.

(continued on back)

3. SAMPLE COLLECTION: Method: Low Flow using teflon-lined tubing

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114-MW55C-70.5-20230629	Glass/Plastic	5	HNO3, H2SO4 none.	Various (See COC)	@ 1050

equipment troubleshooting while sampling required

Comments: No good recharge in well. Pump setup to purge at ~130mL/min to allow well drawdown to stabilize.

Signature: [signature]
Date: 06/29/23

AECOM

Well ID:	114-MW55C

Time (24 hr)	Volume Removed (Liters)	Temp (°C)	pH	Spec. Cond. ms/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (ft)	Color/Odor
1025	6.0	20.30	11.90	15.29	1.35	-47.3	5.59	150	9.79	clear/none
1030	675	20.4	11.90	15.26	1.41	-48.5	6.02	130	9.80	clear/none
1035	~750	20.5	11.90	15.23	1.44	-49.1	6.15	130	9.81	clear/none
1040	~8.25	20.9	11.90	15.22	1.47	-49.8	6.32	130	9.81	clear/none
1045	~900	20.9	11.90	15.21	1.50	-50.9	6.45	130	9.82	clear/none

stopped

JF

AECOM

Well ID	114-MW58C-75.0-20230629

Low Flow Ground Water Sample Collection Record

Client: PPG		Date: 06/29/23	Time Start: 1255 am/pm
Project No: 60666330			Finish: 1510 am/pm
Site Location: Garfield Ave Group of Sites			
Weather Conds: Overcast 80F		Collector(s): Joyce K Franco	

1. **WATER LEVEL DATA: (measured from Top of Casing)**

a. Total Well Length: 77.31 c. Length of Water Column: 70.91 (a-b)

Casing Diameter/Material: 2in PVC

b. Water Table Depth: 6.40

2. **WELL PURGE DATA**

a. Purge Method: Low Flow using bladder pump. Target depth 75.0' From TOC

b. Acceptance Criteria defined - Applies to the last 3 readings (see workplan)

- Temperature	±3%	-D.O.	±10%	- Turbidity	< 10 NTU	±10%
- pH	± 0.1 unit	- ORP	± 10mV			
- Sp. Cond.	±3%	- Drawdown	< 0.3'			

c. Field Testing Equipment used:

	Make	Model	Serial Number
	YSI	600XLM	R12834
Container Type	HACH	2100Q	44762

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (ms/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
1255	1.0	19.23	11.19	1.975	10.82	-41.2	35.7	165	6.40	clear	none
1300	1.75	19.30	10.88	0.950	9.50	-39.2	150	160	6.45	clear	none
1305	2.25	19.48	10.59	0.893	8.11	-30.8	211	155	6.51	clear	none
1310	3.0	19.52	10.45	0.878	6.30	-29.5	-108	155	6.52	clear	none
1315	3.75	19.48	10.38	0.875	5.30	-28.1	50.4	150	6.52	clear	none
1320	4.50	19.15	10.0	0.870	5.15	32.2	620	150	6.52	clear	none
1325	5.25	18.59	9.37	0.861	5.03	-31.5	1730	150	6.52	clear	none

d. Acceptance criteria pass/fail — Yes / No / N/A

Has required turbidity been reached ☐ ☐ ☐

Have parameters stabilized ☐ ☐ ☐

If no or N/A - Explain below.

Turbidity + other GW Quality parameters became to stabilize. Following 1.5 hr purge.

(continued on back)

3. **SAMPLE COLLECTION:** Method: Low Flow using teflon-lined tubing

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114-MW58C-75.0-20230629	Glass/Plastic	5	HNO3, H2SO4 none	various (see CoC)	@ 1500

Comments: High turbidity for ~ 1hr of purge

Signature: Joyce K Franco Date: 06/29/23

AECOM

Well ID: 114-MW58C-150

Time (24 hr)	Volume Removed (Liters)	Temp (°C)	pH	Spec. Cond. ms/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (ft)	Color/Odor
1330	6.0	17.72	9.16	0.848	2.42	-36.9	102	150	6.52	clear/none
1335	6.75	17.61	9.38	0.845	5.08	-40.5	69.2	150	6.52	clear/none
1340	7.50	17.50	9.06	0.847	4.30	-42.8	58.5	150	6.52	clear/none
1345	8.25	17.20	8.81	0.844	4.50	-46.2	58.0	150	6.52	clear/none
1350	9.0	17.16	8.17	0.843	4.75	-48.9	57.2	150	6.52	clear/none
1355	9.75	17.50	8.60	0.841	4.00	-49.2	45.2	150	6.52	clear/none
1400	10.50	18.05	8.48	0.840	3.51	-53.0	33.4	150	6.52	clear/none
1405	11.0	18.50	8.40	0.840	4.06	-52.0	31.5	150	6.52	clear/none
1410	11.75	18.65	8.25	0.841	4.16	-51.0	24.0	150	6.52	clear/none
1415	12.50	18.20	8.20	0.839	4.00	-52.5	25.2	150	6.52	clear/none
1420	20.25	17.94	8.16	0.838	3.01	-54.1	24.0	150	6.52	clear/none
1425	21.0	17.95	8.10	0.834	2.82	-55.1	15.2	150	6.52	clear/none
1430	21.75	18.08	8.04	0.832	2.77	-55.8	13.5	150	6.52	clear/none
1435	22.5	18.09	8.03	0.835	2.63	-55.7	10.0	150	6.52	clear/none
1440	23.25	18.12	8.02	0.837	2.55	-55.5	9.64	150	6.52	clear/none
1445	24.0	18.21	8.01	0.836	2.23	-55.8	9.31	150	6.52	
1450	24.75	18.25	7.99	0.836	5.16	-56.4	9.05	150	6.52	
1455	25.5	18.20	7.99	0.836	2.13	-56.9	8.66	150	6.52	
1500	SAMPLED							150	6.52	SAA
STOPPED										

114-MW61D-117

Well ID:

AECOM

Low Flow Ground Water Sample Collection Record

Client: PPG | Date: 6/29/23 | Time: Start 1205* am/pm

Project No: 60666330 | Finish: ______ am/pm

Site Location: Garfield Ave Group of Sites

Weather Conds: P. Cloudy | Collector(s): S. Reyes

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length ______ c. Length of Water Column ______ (a-b)

Casing Diameter/Material: 2in/PVC

b. Water Table Depth 9.80

2. WELL PURGE DATA

a. Purge Method: Low Flow using bladder pump

b. Acceptance Criteria defined - Applies to the last 3 readings (see workplan)

- Temperature	±3%	-D.O.	±10%	- Turbidity	< 10 NTU	±10%
- pH	± 0.1 unit	- ORP	± 10mV			
- Sp. Cond.	±3%	- Drawdown	< 0.3'			

c. Field Testing Equipment used:

	Make	Model	Serial Number
	YSI	600XLM	m: 033334 p: 2244
Container Type	HACH	2100Q	216534

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (ms/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
1205 ~~1135~~	0.75	29.73	9.29	0.291	1.80	-52.5	257	150	10.80	Gray	None
1210 ~~1140~~	1.5	36.97	9.20	0.286	1.73	-33.3	546	150	11.00	cloudy	↓
1215 ~~1145~~	2.25	28.54	9.18	0.290	2.35	-45.9	605	150	11.25	↓	↓
1220 ~~1150~~	3	26.22	9.03	0.277	2.33	-61.3	681	150	11.80	↓	↓
1225 ~~1155~~	3.75	25.11	9.13	0.276	1.84	-81.6	680	150	12.60	↓	↓
1230 ~~1200~~	4.50	26.37	9.34	0.273	1.39	-104.2	719	150	13.70	↓	↓
1235 ~~1205~~	5.25	27.69	9.33	0.274	1.27	-106.6	636	150	14.05	↓	↓

d. Acceptance criteria pass/fail (continued on back)

	Yes	No	N/A
Has required turbidity been reached	☐	☒	☐
Have parameters stabilized	~~☒~~	☒	☐

If no or N/A - Explain below.

Turbidity did not reach below 10NTU & stabilize

FF set added

3. SAMPLE COLLECTION:

Method: Low Flow using teflon-lined tubing

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114-MW61D117-20230629	Glass/Plastic	7	Multiple	See COC	1435

Comments: DTW after bladder 9.05. Encountered issues drawing water up the tubing; Time troubleshooting, Reset pump, change bladder etc.

Signature: [signature] Date: 6/29/23

Comments: Lowest setting achieved w/ flow pushing water.
*Time where water could be pushed consistently.

114-

Cor

Sign

CamScanner

114-MW61D-117

AECOM

Well ID:	

	Time (24 hr)	Volume Removed (Liters)	Temp (°C)	pH	Spec. Cond. ms/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	150 Flow Rate (ml/min)	Drawdown (ft)	Color/Odor
	1240	6	23.88	9.28	0.273	1.07	-101.0	563	100	14.8	Gray tint/None
	1245	6.75	24.67	9.27	0.273	0.94	-100.5	492	100	15.2	
	1250	7.50	24.26	9.28	0.274	0.90	-101.8	255	100	16.05	
	1255	8.25 / 9	23.70	9.28	0.280	0.76	+94.3	180	100	17.00	
	1300	9	22.73	9.25	0.277	0.73	-85.4	116	100	17.85	
1HR	1305	9.75	23.03	9.32	0.277	0.71	-84.1	77.1	100	18.60	Clearish/None
	1310	10.50	22.11	9.34	0.281	0.71	-82.2	68.9	100	19.2	Clear/None
	1315	11.25	23.86	9.37	0.280	0.69	-82.0	45.5	100	19.46	Clear/None
	1320	12	25.92	9.35	0.280	0.64	-71.7	46.0	100	19.9	Clear/None.
	1325	12.75	27.07	9.34	0.280	0.64	-70.8	50.6	100	20.0	Clear/None
	1330	13.5	27.42	9.33	0.281	0.66	-71.7	53.2	100	20.2	Clear/None
	1335	14.25	28.34	9.32	0.282	0.70	-69.8	39.9	100	20.3	Clear/None
	1340	15	28.85	9.31	0.284	0.73	-65.9	40.2	100	20.36	Clear/None
	1345	15.75	29.31	9.31	0.284	0.75	-63.0	38.4	100	20.43	Clear/None
	1350	16.5	29.51	9.30	0.284	0.78	-62.7	49.4	100	20.55	Clear/None
	1355	17.25	30.20	9.29	0.284	0.83	-62.5	54.1	100	20.60	Clear/None
	1400	18.00	31.16	9.28	0.285	0.84	-61.1	57.1	100	20.74	Clear/None
2HR	1405	18.75	31.79	9.26	0.286	0.91	-60.3	37.9	100	20.88	Clear/None
	1420	19.25	30.87	9.26	0.287	0.94	-56.9	59.6	100	20.94	Clear/None
	1425	20	24.89	9.23	0.290	1.12	-64.7	47.4	100	21.30	Clear/None
	1430	20.75	24.26	9.12	0.282	0.95	-68.5	46.5	100	21.55	Clear/None
	1435	Sample									

Well ID: 114-MW62C-73

AECOM

Low Flow Ground Water Sample Collection Record

Client: PPG Industries	Date: 6/29/23
Project No: 60667926	Time: Start 1340 am/pm
Site Location: site 114	Finish 1415 am/pm
Weather Conds: 78°F Hazy	Collector:

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 74.95 c. Length of Water Column 67.7 (a-b)

Casing Diameter/Material 2" pvc

b. Water Table Depth 7.25 d. Calculated System Volume (see back)

2. WELL PURGE DATA

a. Purge Method: bladder pump

b. Acceptance Criteria defined (see workplan)

- Temperature	3%	-D.O.	10%
- pH	± 0.1 unit	- ORP	± 10mV
- Sp. Cond.	3%	- Drawdown	< 0.3'

c. Field Testing Equipment used:

	Make	Model	Serial Number
	YSI	650MDS	3914/2243
	Hach	2100Q	216552

1
1
1.5
2.0

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
1340	[illegible]	23.62	7.22	1.013	6.87	76.5	21.8	200	7.35	clear	none
1345	[illegible]	19.23	7.00	1.111	2.44	32.6	11.05	200	7.35		
1350	[illegible]	17.67	6.66	1.242	2.39	29.9	7.57	100	7.32		
1355	[illegible]	18.74	6.75	1.264	2.09	18.9	6.47	100	7.32		
1400	2.5	[illegible]	6.74	1.273	2.00	17.0	6.82	100	7.32		
1405	3.0	[illegible]	6.72	1.268	1.93	19	7.49	100	7.32		
1410	3.5	[illegible]	6.70	1.270	1.99	19.2	7.15	100	7.32		

19.06
19.15
19.23

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☑	☐	☐
Has required turbidity been reached	☑	☐	☐
Have parameters stabilized	☑	☐	☐

(continued on back)

If no or N/A - Explain below.

No minimum purge volume required for low-flow sampling.

3. SAMPLE COLLECTION: Method: low flow w/ bladder pump

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114-MW62C-73-20230629		8	varies	see chain	1415

Comments

Signature [signature] Date 6/29/23

Well ID: 114-PZ-66WR

AECOM

Low Flow Ground Water Sample Collection Record

Client: PPG Industries
Date: 6/29/23
Time: Start 1035 am/pm
Finish ______ am/pm
Project No:
Site Location: Jersey City NJ
Weather Conds: 70's high 80's Hazy
Collector: Christine DeAmbrogio

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 85.9
c. Length of Water Column 77.6 (a-b)
Casing Diameter/Material 2" pvc

b. Water Table Depth 8.3
d. Calculated System Volume (see back) 47.94L

2. WELL PURGE DATA

a. Purge Method: bladder pump

b. Acceptance Criteria defined (see workplan)

- Temperature	3%	-D.O.	10%
- pH	± 0.1 unit	- ORP	± 10mV
- Sp. Cond.	3%	- Drawdown	< 0.3'

Turbidity must be < 10 NTU prior to sample collection. Stabilization below 10 NTU must be achieved at +/- 10% for values greater than 1 NTU.

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	650 MDS	07F100577
	600XLM	
LaMotte HACH	2100Q	23010D000653

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
1035	0	19.72	7.58	1.959	4.53	5.9	14.9	200	8.35	yellow	no odor
1040	1	19.91	7.46	2.061	5.04	10.9	11.5	200	8.35	yellow	no odor
1045	2	19.91	7.40	2.076	5.69	23.2	8.17	200	8.35	yellow	no odor
1050	3	19.82	7.36	2.082	5.56	27.2	7.44	200	8.3	yellow	no odor
1055	4	20.14	7.39	2.072	5.67	27.1	8.31	200	8.3	yellow	no odor
1100	5	20.36	7.39	2.067	5.15	41.1	8.69	200	8.3	yellow	no odor
1105	6	20.04	7.34	2.074	4.80	51.6	8.7	200	8.3	yellow	no odor

(continued on back)

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☐	☒
Has required turbidity been reached	☒	☐	☐
Have parameters stabilized	☒	☐	☐

If no or N/A - Explain below.

No minimum purge volume required for low-flow sampling.

After 2 hours of purging, samples may be collected regardless of whether water quality parameters have stabilized.

3. SAMPLE COLLECTION: Method: dedicated bladder pump and tubing

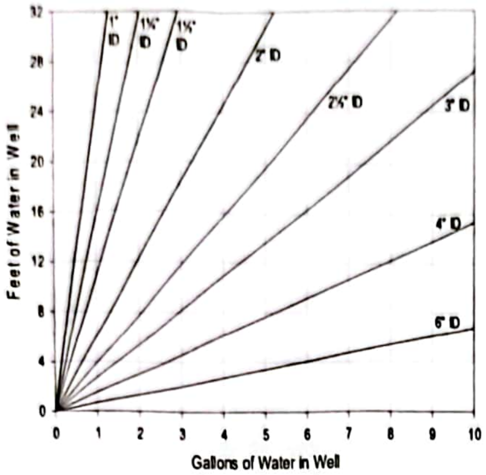
Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
1055 CD 114-PZ-66WR-20230629		9	None	Ferrous Fe, Sulfate, Cr^{+6}, EH, pH	1200
		co 46	HNO_3/H_2SO_4	Cr / TOC	
114-PZ-66WR-20230629-X		3	None	Ferrous Fe, Sulfate, Cr^{+6}, Eh, pH	1205
		2	HNO_3/H_2SO_4	Cr / TOC	

Comments: pump @ 83' bgs.

Signature ______________________ Date ______________

Well ID: 114-PZ-66WR

Purge Volume Calculation



Volume / Linear Ft. of Pipe		
ID (in)	Gallon	Liter
0.25	0.0025	0.0097
0.375	0.0057	0.0217
0.5	0.0102	0.0386
0.75	0.0229	0.0869
1	0.0408	0.1544
1.25	0.0637	0.2413
1.5	0.0918	0.3475
2	0.1632	0.6178
2.5	0.2550	0.9653
3	0.3672	1.3900
4	0.6528	2.4711
6	1.4688	5.5600

(continued from front)

Time (24 hr)	Volume Removed (Liters)	Temp (°C)	pH (S.U.)	Spec. Cond (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (ft)	Color/Odor
1110	7	20.57	7.34	2.062	5.36	52.6	7.39	200	8.3	yellow / No odor
1115	8	19.82	7.36	2.074	3.72	49.7	5.65	200	8.3	yellow / No odor
1120	9	20.07	7.38	2.065	4.24	51.8	5.55	200	8.3	yellow / No odor
1125	10	20.27	7.35	2.062	4.91	54.5	8.24	200	8.3	yellow / No odor
1130	11	20.81	7.35	2.060	5.03	59.8	5.31	200	8.3	yellow / No odor
1135	12	20.50	7.35	2.062	5.00	65.4	4.27	200	8.3	yellow / No odor
1140	13	20.34	7.36	2.067	4.99	66.3	4.32	200	8.3	yellow / No odor
1145	14	20.38	7.36	2.060	4.79	67.9	4.13	200	8.3	yellow / No odor

Start Sampling @ 1200

Well ID: 114-MW57C

AECOM

Low Flow Ground Water Sample Collection Record

Client: PPG Industries　Date: 6/30/23　Time: Start 1040 am/pm
Project No:　Finish ______ am/pm
Site Location: Jersey City, NJ
Weather Conds: Hazy Humid 70s　Collector: Christine DeAmbrogio

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 71.6　c. Length of Water Column 62.79 (a-b)　Casing Diameter/Material 2" pvc

b. Water Table Depth 8.81　d. Calculated System Volume (see back) 38.79L

2. WELL PURGE DATA

a. Purge Method: bladder pump

b. Acceptance Criteria defined (see workplan)

- Temperature	3%	-D.O.	10%
- pH	± 0.1 unit	- ORP	± 10mV
- Sp. Cond.	3%	- Drawdown	< 0.3'

Turbidity must be < 10 NTU prior to sample collection. Stabilization below 10 NTU must be achieved at +/- 10% for values greater than 1 NTU.

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	650 MDS	07F100577
	600 XLM	33228
LaMotte HACH	2100Q	23010D000653

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
1045	0	17.7	7.49	1.271	3.17	166.0	51.6	200	8.04	yellow	No odor
1050	1	17.3	7.45	1.261	1.65	173.3	48.6	200	8.01	Yellow	No odor
1055	2	17.45	7.46	1.255	1.53	175.4	44.9	200	8.01	yellow	No odor
1100	3	17.56	7.48	1.249	1.47	173.0	46.5	200	8.00	yellow	No odor
1105	4	17.44	7.48	1.244	1.45	169.9	48.1	200	8.00	yellow	No odor
1110	5	17.51	7.51	1.232	1.48	166.9	40.5	200	8.00	Yellow	No odor
1115	6	18.05	7.51	1.218	1.19	165.2	36.0	200	8.00	light yellow	No odor

(continued on back)

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☐	☒
Has required turbidity been reached	☐	☐	☐
Have parameters stabilized	☐	☐	☐

After 2 hours of purging, samples may be collected regardless of whether water quality parameters have stabilized.

If no or N/A - Explain below.
No minimum purge volume required for low-flow sampling.

3. SAMPLE COLLECTION: Method: direct from dedicated tubing and bladder

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114-MW57C-71-20230630		10	None	Ferrous Fe, (Cr+6, EH, pH) Sulfate	1300
		7	HNO_3/H_2SO_4	Cr / TOC	1300
114-MW57C-71-20230630		4	None	Ferrous Fe, Cr+6, EH, pH Sulfate	1330
		3	HNO_3/H_2SO_4	Cr / TOC	1330

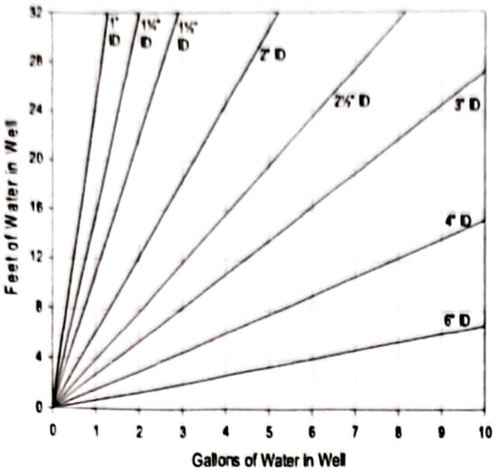
CD　Filtered and Not Filtered

Comments: pump set @ 71.0' bgs
@ 1114 pump stopped

Signature ______________________　Date ______________

Well ID:	114-MW57C

Purge Volume Calculation



Volume / Linear Ft. of Pipe		
ID (in)	Gallon	Liter
0.25	0.0025	0.0097
0.375	0.0057	0.0217
0.5	0.0102	0.0386
0.75	0.0229	0.0869
1	0.0408	0.1544
1.25	0.0637	0.2413
1.5	0.0918	0.3475
2	0.1632	0.6178
2.5	0.2550	0.9653
3	0.3672	1.3900
4	0.6528	2.4711
6	1.4688	5.5600

(continued from front)

Time (24 hr)	Volume Removed (Liters)	Temp (°C)	pH (S.U.)	Spec. Cond (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (ft)	Color/Odor
1120	7	19.67	7.6	1.231	1.26	159.2	35.2	200	8.00	light yellow/no odor
1125	8	20.27	7.61	1.231	1.50	154.9	38.0	200	8.00	light yellow no odor
1130	9	20.6	7.62	1.230	1.56	152.6	36.7	200	8.00	light yellow no odor
1135	10	21.03	7.64	1.226	1.51	150.2	26.0	200	8.00	light yellow no odor
1140	11	20.76	7.61	1.217	1.47	147.7	22.9	200	8.00	light yellow/no odor
1145	12	21.07	7.60	1.211	1.55	146.7	27.7	200	8.00	Faint yellow/no odor
1150	13	20.62	7.60	1.198	1.62	144.5	23.8	200	8.00	Faint yellow/no odor
1155	14	20.82	7.60	1.196	1.62	143.3	29.3	200	8.00	Faint yellow/no odor
1200	15	20.77	7.61	1.193	1.56	142.2	20.8	200	8.00	Faint yellow/no odor
1205	16	21.2	7.61	1.186	1.60	140.0	32.5	200	8.00	Faint yellow/no odor
1210	17	21.14	7.63	1.185	1.70	139.0	28.7	200	8.00	Faint yellow/no odor
1215	18	20.76	7.62	1.175	1.66	138.0	17.5	200	8.00	Faint yellow/no odor
1220	19	20.92	7.64	1.170	1.63	135.7	23.0	200	8.00	Faint yellow/no odor
1225	20	21.01	7.63	1.171	1.72	134.7	25.1	200	8.00	Faint yellow/no odor
1230	21	21.15	7.64	1.168	1.71	131.7	23.6	200	8.00	Faint yellow/no odor
1235	22	21.18	7.62	1.162	1.70	131.1	23.8	200	8.00	Faint yellow/no odor
1240	23	21.19	7.62	1.159	1.75	131.2	23.8	200	8.00	Faint yellow/no odor
1245	24	21.00	7.63	1.158	1.80	130.8	23.5	200	8.00	Faint yellow/no odor
1250	25	21.01	7.63	1.150	1.79	129.9	23.2	200	8.00	Faint yellow/no odor
1255	26	21.98	7.63	1.152	1.83	129.3	23.6	200	8.00	Faint yellow/no odor
							SAMPLE @			1300

114-MW61D-121

AECOM

Well ID:	

Low Flow Ground Water Sample Collection Record

Client: PPG
Project No: 60666330
Site Location: Garfield Ave Group of Sites
Weather Conds: Smoky; Hazy 75°F

Date: 6/30/23
Time: Start 0820 am/pm
Finish 1145 am/pm
Collector(s): S. Reyes

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 137.5
c. Length of Water Column ________ (a-b)
Casing Diameter/Material 2in/PVC

b. Water Table Depth 19.9

2. WELL PURGE DATA

a. Purge Method: Low Flow using bladder pump

b. Acceptance Criteria defined - Applies to the last 3 readings (see workplan)

- Temperature	±3%	-D.O.	±10%	- Turbidity	< 10 NTU	±10%
- pH	± 0.1 unit	- ORP	± 10mV			
- Sp. Cond.	±3%	- Drawdown	< 0.3'			

c. Field Testing Equipment used:

	Make	Model	Serial Number
	YSI	600XLM	m: 033334 p: 2244
Container Type	HACH	2100Q	216534

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (ms/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
0840	0.5	19.40	9.35	0.371	1.70	-66.7	110	100	21.80	Clear	None
0845	1	19.18	9.20	0.331	0.85	-98.5	113	100	22.40	Clear	None
0850	1.5	19.23	9.23	0.309	0.63	-115.0	140	100	23.70	Clear	None
0855	2	20.22	9.31	0.301	0.51	-129.9	121	100	25.40	Clear	None
0900	2.5	20.60	9.31	0.299	0.44	-133.0	103	100	25.89	Clear	None
0905	3	20.81	9.29	0.258	0.14	-125.6	90.2	100	26.40	Clear	None
0910	3.5	21.37	9.30	0.307	1.12	-108.2	86.1	100	27.35	Clear	None

(continued on back)

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required turbidity been reached	☐	☒	☐
Have parameters stabilized	☒	☐	☐

If no or N/A - Explain below.
Turbidity didnot Reach below 10NTU. All other parameters stable.

3. SAMPLE COLLECTION: Method: Low Flow using teflon-lined tubing

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114-MW61D-121-20230630	Glass/Plastic	5	Multiple	See COC	1125

Comments: Start 0825, Increase to flow required to push water, Drawdown affected, Lowered to stabilize. drawdown. Light odor while sampling.

Signature ____________ Date 6/30/23

114-MW61D-121

Well ID:	

AECOM

	Time (24 hr)	Volume Removed (Liters)	Temp (°C)	pH	Spec. Cond. ms/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (ft)	Color/Odor
	0915	4	21.38	9.26	0.306	0.59	-114.5	58.9	100	27.85	Clear/None
	0920	4.5	21.56	9.26	0.305	0.49	-113.8	54.3	100	28.10	Clear/None
	0925	5	23.16	9.29	0.304	0.49	-112.8	59.1	100	28.65	Clear/None
	0930	5.5	24.53	9.27	0.306	0.51	-107.7	48.8	100	29.15	Clear/None
	0935	6	24.68	9.26	0.307	0.51	-103.4	48.1	100	29.40	Clear/None
1HR	0940	6.5	25.33	9.25	0.306	0.52	-98.4	44.9	100	21.50	Clear/None
	0945	7	26.00	9.25	0.306	0.53	-93.0	45.0	100	29.90	Clear/None
	0950	7.5	26.55	9.24	0.305	0.55	-91.1	37.5	100	30.00	Clear/None
	0955	8	27.50	9.23	0.306	0.58	-87.7	39.2	100	30.20	Clear/None
	1000	8.5	28.22	9.22	0.306	0.62	-83.1	38.6	100	30.40	Clear/None
	1005	9	28.81	9.22	0.306	0.63	-80.6	34.2	100	30.55	Clear/None
	1010	9.5	29.25	9.21	0.306	0.64	-78.5	30.80	100	30.60	Clear/None
	1015	10	29.90	9.21	0.306	0.70	-76.7	33.2	100	30.70	Clear/None
	1020	10.5	30.39	9.20	0.307	0.72	-75.1	40.6	100	30.85	Clear/None
	1025	11.0	30.81	9.19	0.307	0.74	-73.6	33.9	100	31.00	Clear/None
	1030	11.5	31.21	9.19	0.307	0.76	-71.4	30.7	100	31.00	Clear/None
	1035	12.0	31.65	9.18	0.307	0.78	-70.4	34.0	100	31.20	Clear/None
2HR	1040	12.5	32.13	9.18	0.307	0.78	-67.6	32.6	100	31.30	Clear/None
	1045	13.0	32.44	9.17	0.307	0.78	-65.2	27.9	100	31.40	Clear/None
	1050	13.5	32.58	9.17	0.307	0.78	-62.7	28.5	100	31.45	Clear/None
	1055	14.0	30.72	9.17	0.319	0.79	-65.4	31.1	100	32.20	Clear/None
	1100	14.5	30.40	9.15	0.309	0.73	-66.7	29.7	100	32.40	Clear/None
	1105	15.0	29.54	9.12	0.305	0.70	-63.5	28.0	100	32.65	Clear/None
	1110	15.5	30.29	9.16	0.303	0.67	-69.1	25.5	100	32.70	Clear/None
	1115	16.0	30.90	9.19	0.304	0.66	-66.3	24.3	100	32.85	Clear/None
	1120	16.5	31.78	9.19	0.305	0.66	-67.9	24.7	100	32.85	Clear/None
	1125	SAMPLED									

114-MW61D-126

AECOM

Well ID:

Low Flow Ground Water Sample Collection Record

Client: PPG
Date: 6/30/23
Time: Start 1200 am/pm
Finish ______ am/pm
Project No: 60666330
Site Location: Garfield Ave Group of Sites
Weather Conds: HAZY 81°F
Collector(s): S. Reyes

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 137.5
c. Length of Water Column ________ (a-b)
Casing Diameter/Material 2in/pvc

b. Water Table Depth 34.60

2. WELL PURGE DATA

a. Purge Method: Low Flow using bladder pump

b. Acceptance Criteria defined - Applies to the last 3 readings (see workplan)

- Temperature ±3% | -D.O. ±10% | - Turbidity < 10 NTU ±10%
- pH ± 0.1 unit | - ORP ± 10mV
- Sp. Cond. ±3% | - Drawdown < 0.3'

c. Field Testing Equipment used:

	Make	Model	Serial Number
	YSI	600XLM	M:033334 P:2244
Container Type	HACH	2100Q	216534

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (ms/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
1235		32.15	8.87	0.300	1.31	-90.3	81.3	90	35.9	CLEAR	None
1240		32.30	8.91	0.298	1.13	-98.2	78.4	90	36.10	CLEAR	None
1245		33.10	9.10	0.296	0.92	-112.0	52.5	90	36.30	CLEAR	None
1250		33.24	9.01	0.293	0.84	-116.7	72.6	90	36.55	CLEAR	None
1255		33.36	9.10	0.293	0.78	-120.0	78.2	90	36.55	CLEAR	None
1300		33.49	9.11	0.292	0.74	-123.5	—	90	36.50	CLEAR	None
1305		33.67	9.12	0.291	0.71	-128.0	95.5	90	36.70	CLEAR	None

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required turbidity been reached	☐	☒	☐
Have parameters stabilized	☒	☐	☐

If no or N/A - Explain below.
Turbidity did not reach below 10NTU.

(continued on back)

3. SAMPLE COLLECTION:

Method: Low Flow using teflon-lined tubing

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114-MW61D-126-20230630	Glass/Plastic				1450

→ pH check conducted & passed.

Comments ~~[illegible]~~ Drawdown stabilized. Lost power 1300 reading
controller attached to car battery.

Signature [signature]

Date 06/30/23

114-MW61D-126

AECOM

Well ID:	

	Time (24 hr)	Volume Removed (Liters)	Temp (°C)	pH	Spec. Cond. ms/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (ft)	Color/Odor
	1310		21.35	8.94	0.280	0.77	-109.0	64.0	150	~~150~~ 37.55	Clear/None
	1315		23.43	9.00	0.276	0.65	-117.4	53.0	120	38.00	Clear/None
	1320		24.43	9.21	0.277	0.58	-133.3	47.6	100	38.62	Clear/None
	1325		25.20	9.22	0.280	0.55	-135.3	36.5	100	38.85	Clear/None
	1330		25.81	9.23	0.283	0.54	-133.5	31.5	100	39.50	Clear/None
1HR	1335		26.44	9.23	0.286	0.53	-131.2	26.8	100	39.60	Clear/None
	1340		27.22	9.23	0.290	0.53	-127.6	24.6	100	39.85	Clear/None
	1345		28.15	9.23	0.293	0.55	-117.9	20.6	100	40.10	Clear/None
	1350		28.92	9.23	0.295	0.56	-111.2	20.8	100	40.40	Clear/None
	1355		29.18	9.22	0.300	0.58	-95.2	19.9	100	40.80	Clear/None
	1400		29.05	9.22	0.300	0.81	-95.6	17.6	100	41.00	Clear/None
	1405		28.64	9.22	0.300	0.98	-97.6	18.7	100	41.25	Clear/None
	1410		28.00	9.21	0.302	1.05	-97.0	18.7	100	41.40	Clear/None
	1415		27.58	9.20	0.301	0.97	-98.4	16.0	100	41.50	Clear/None
	1420		27.76	9.21	0.299	0.93	-99.6	16.40	100	41.90	Clear/None
	1425		23.54	9.10	0.299	0.96	-88.6	15.3	100	42.0	Clear/None
	1430		23.18	9.09	0.297	0.90	-86.4	14.0	100	42.0	Clear/None
2HR	1435		23.30	9.10	0.297	0.86	-91.0	13.5	100	42.10	Clear/None
	1440		23.85	9.12	0.297	0.82	-96.8	12.0	100	42.15	Clear/None
	1445		25.08	9.11	0.298	0.81	-98.4	12.0	100	42.10	Clear/None
	1450	Sampled							~~100~~		~~Clear/None~~ SR
	~~1455~~	SR							~~100~~	SR	~~Clear/None~~
	~~1500~~										

AECOM

Well ID: 114-PZ-52WR-74

Low Flow Ground Water Sample Collection Record

Client: PPG Industries
Project No:
Site Location: Jersey City
Weather Conds: 77°F Hazy

Date: 6/30/23
Time: Start 915 am/pm
Finish 1120 am/pm
Collector: M Collins

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 76.02 c. Length of Water Column 68.02 (a-b)

Casing Diameter/Material 2" pvc

b. Water Table Depth 8 d. Calculated System Volume (see back)

2. WELL PURGE DATA

a. Purge Method: bladder pump

b. Acceptance Criteria defined (see workplan)

- Temperature	3%	-D.O.	10%
- pH	± 0.1 unit	- ORP	± 10mV
- Sp. Cond.	3%	- Drawdown	< 0.3'

Turbidity must be < 10 NTU prior to sample collection. Stabilization below 10 NTU must be achieved at +/- 10% for values greater than 1 NTU.

c. Field Testing Equipment used: Make Model Serial Number

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
0915	0.5	20.85	5.44	.651	3.95	19.6	over	100	6.65	white cloudy	n/a
0920	1.0	19.75	5.33	.679	4.02	20.5	overr	100	6.76		
0925	1.5	19.11	5.23	.743	4.23	32.6	overr	100	7.03		
0930	2.0	19.8	5.22	.765	4.23	30.1	over	100	7.03		
0935	2.5	18.77	5.27	.786	4.22	27	over	100	7.03		
0940	3.0	18.76	5.29	.791	4.22	25.4	over	100	7.03		
0945	3.5	18.77	5.33	.861	4.22	24.8	overr	100	7.03		

(continued on back)

d. Acceptance criteria pass/fail — Yes No N/A
Has required volume been removed ☐ ☐ ☐
Has required turbidity been reached ☐ ☐ ☐
Have parameters stabilized ☐ ☐ ☐
If no or N/A - Explain below.
No minimum purge volume required for low-flow sampling.

After 2 hours of purging, samples may be collected regardless of whether water quality parameters have stabilized.

3. SAMPLE COLLECTION:

Method:

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114-PZ-52WR-74-20230630	plastic glass		various	see COC	1120

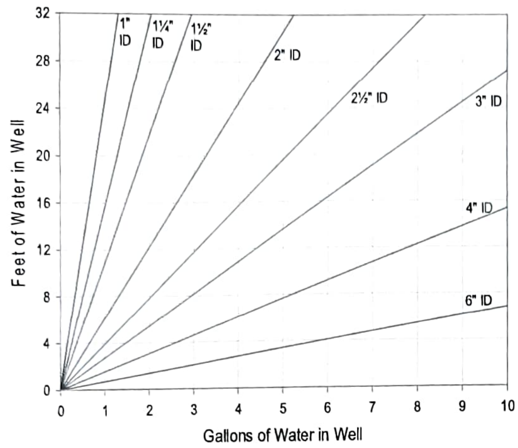
Comments

Signature

Date 6/30/23

Well ID: 114-PZ-S2WR-74

Purge Volume Calculation



Volume / Linear Ft. of Pipe		
ID (in)	Gallon	Liter
0.25	0.0025	0.0097
0.375	0.0057	0.0217
0.5	0.0102	0.0386
0.75	0.0229	0.0869
1	0.0408	0.1544
1.25	0.0637	0.2413
1.5	0.0918	0.3475
2	0.1632	0.6178
2.5	0.2550	0.9653
3	0.3672	1.3900
4	0.6528	2.4711
6	1.4688	5.5600

(continued from front)

Time (24 hr)	Volume Removed (Liters)	Temp (°C)	pH (S.U.)	Spec. Cond. (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (ft)	Color/Odor
0950	4.0	18.76	5.33	.798	4.23	25.9	Over	100	6.95	white cloudy / none
0955	4.5	18.76	5.33	.797	4.26	26.8	Over	100	6.92	
10:00	5.0	18.83	5.33	.796	4.70	29.9	Over	100	6.82	
10:05	5.5	18.87	5.32	.799	4.61	30.1	over	100	6.82	
1010	6.0	18.97	5.30	.801	4.38	32.5	over	100	6.82	
1015	6.5	19.09	5.28	.799	5.47	34.7	none detect	100	6.7	
1020	7.0	18.91	5.25	.797	5.31	37.8	none detect	100	6.5	
1025	7.59	18.94	5.23	.795	6.33	40.6	none detect	100	6.4	
1030	7.5	18.99	5.20	.797	6.33	40.7	over	100	6.2	
1035	8.0	20.27	5.23	.814	6.65	38.9	over	100	6.21	
1040	8.5	20.25	5.24	.799	6.42	39.1	over	100	6.4	
1045	9.5	19.85	5.21	.796	6.48	40	over	100	6.51	
1050	9.5	19.17	5.19	.805	6.19	43	over	100	6.6	
1055	10.6	19.05	5.17	.807	6.09	43.6	over	100	6.63	
1100	10.5	18.68	5.16	.809	5.02	44.8	over	100	6.65	
1105	11	18.55	5.15	.810	5.15	45.0	over	100	6.68	
1110	11.5	18.72	5.13	.822	9.18	42.6	over	100	6.68	
1115	12	18.63	5.13	.813	8.42	41.3	over	100	6.68	

AECOM

Well ID: 114-MW53C

Low Flow Ground Water Sample Collection Record

Client: PPG
Date: 7/3/2023
Time: Start 7:50 am/pm
Finish 10:30 am/pm
Project No: 60666330
Site Location: Garfield Ave Group of Sites
Weather Conds: 73°/86°F Partly Cloudy
Collector(s): B. Murphy

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 48.68
c. Length of Water Column 40.28 (a-b)
Casing Diameter/Material 2.0"

b. Water Table Depth 8.40'

2. WELL PURGE DATA

a. Purge Method: Low Flow using bladder pump

b. Acceptance Criteria defined - Applies to the last 3 readings (see workplan)

- Temperature	±3%	-D.O.	±10%	- Turbidity	< 10 NTU	±10%
- pH	± 0.1 unit	- ORP	± 10mV			
- Sp. Cond.	±3%	- Drawdown	< 0.3'			

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	600XLM	07F100577 / 3328
HACH	2100Q	~~Sat~~ 23040D000633

Container Type

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (ms/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
08:30		20.08	7.30	1.785	3.70	206.4	20.9	175	8.45	No Color	No Odor
0835		20.48	7.17	1.886	3.14	203.8	10.2	150	8.48	No Color	No Odor
0840		20.21	7.05	2.092	2.70	199.2	12.3	150	8.50	No Color	No Odor
0845		20.06	7.02	2.126	2.52	196.9	11.2	150	8.50	very light yellow	No Odor
0850		19.88	7.00	2.245	2.11	196.5	10.7	150	8.48		No Odor
0855		19.87	6.92	2.390	1.83	196.3	8.22	150	8.45	very light yellow	No Odor
0900		19.21	6.91	2.817	1.12	190.6	7.12	150	8.45	very light yellow	No Odor

d. Acceptance criteria pass/fail — Yes / No / N/A

Has required turbidity been reached — Yes: ☒ No: ☐ N/A: ☐

Have parameters stabilized — Yes: ☒ No: ☐ N/A: ☐

If no or N/A - Explain below.

(continued on back)

3. SAMPLE COLLECTION: Method: Low Flow using teflon-lined tubing

Sample ID	Container Type Glass/Plastic	No. of Containers	Preservation	Analysis Req.	Time
~~114-MW53C~~					
114-MW53C-47.5-20230703		1 250 ml	Nitric Acid		10:15
		1 250 ml	Nitric Acid (FF)		
		1 250 ml	Amber glass Sulfuric Acid		
		1 250 ml	→		
		1 125 ml	→		

Comments

Signature [signature] Date 7/3/2023

AECOM

Well ID:	114-MW53C-47.5'

Time (24 hr)	Volume Removed (Liters)	Temp (°C)	pH	Spec. Cond ms/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (ft)	Color/Odor
9:05		19.17	6.88	2.910	1.19	188.5	9.10	150	8.45	very light yellow, No Odor
9:10		19.14	6.81	2.424	1.22	184.7	8.95	150	8.45	very light yellow, No odor
9:15		19.13	6.78	2.611	1.31	179.6	8.06	150	8.46	very light yellow
9:20		18.11	6.70	2.527	1.37	173.0	18.0	150	8.46	very light yellow No Odor
9:30		18.86	6.66	2.585	1.69	175.9	16.5	150	8.46	very light yellow No odor
9:35		18.72	6.63	2.654	1.60	179.3	12.2	150	8.47	very light yellow No odor
9:40		18.12	6.57	2.793	1.54	187.1	10.9	150	8.48	very light yellow No Odor
9:45		18.15	6.52	2.829	1.49	188.3	7.28	150	8.48	very light yellow No Odor
9:50		17.92	6.61	2.854	1.36	188.7	5.86	150	8.47	very light yellow No Odor
9:55		17.90	6.88	2.862	1.31	186.8	5.29	150	8.45	very light yellow No Odor
10:00		17.86	6.80	2.880	1.25	181.6	5.07	150	8.45	very light yellow No Odor
10:05		17.85	6.83	2.889	1.20	178.7	5.15	150	8.45	very light yellow No Odor
10:10										
10:15	Sample									

AECOM

Well ID: 114-MW61D-131

Low Flow Ground Water Sample Collection Record

Client: PPG
Date: 7/03/23
Time: Start 0850 am/pm
Finish 1130 am/pm
Project No: 60666330
Site Location: Garfield Ave Group of Sites
Weather Conds: Cloudy 80°F
Collector(s): S. Reyes

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 137.5
c. Length of Water Column ______ (a-b)
Casing Diameter/Material 2in/pvc

b. Water Table Depth 23.55

2. WELL PURGE DATA

a. Purge Method: Low Flow using bladder pump

b. Acceptance Criteria defined - Applies to the last 3 readings (see workplan)

- Temperature	±3%	-D.O.	±10%	- Turbidity	< 10 NTU	±10%
- pH	± 0.1 unit	- ORP	± 10mV			
- Sp. Cond.	±3%	- Drawdown	< 0.3'			

c. Field Testing Equipment used:

	Make	Model	Serial Number
	YSI	600XLM	m: 033334 p: 2244
Container Type	HACH	2100Q	44762

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (ms/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
0850	0.45	20.20	8.91	0.413	2.17	-100.2	188	90	24.85	clear	None
0855	0.90	21.04	8.92	0.401	2.35	-99.0	180	90	25.20	clear	None
0900	1.35	22.20	8.96	0.395	2.58	-97.1	186	90	25.55	clear	None
0905	1.80	23.25	8.97	0.387	2.80	-97.7	154	90	25.85	clear	None
0910	2.25	24.13	8.96	0.386	3.02	-91.5	144	90	25.90	clear	None
0915	2.70	24.75	8.93	0.380	3.12	-83.4	155	90	26.30	clear	None
0920	3.15	25.30	8.92	0.376	3.17	-78.2	135	90	26.70	clear	None

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required turbidity been reached	☐	☒	☐
Have parameters stabilized	☒	☐	☐

(continued on back)

If no or N/A - Explain below.
Turbidity didn't reach below 10NTU. Drawdown was not stabilized in change for last 3 readings.

3. SAMPLE COLLECTION:

Method: Low Flow using teflon-lined tubing

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114-MW61D-131-20230703	Glass/Plastic	7	Multiple	See COC	1120

Comments Poor recharge from Friday. 20.43 DTW after bladder. Start 0820. Low flow established

Signature [signature]
Date 7/03/23

AECOM

Well ID: 114-MW61D-131

	Time (24 hr)	Volume Removed (Liters)	Temp (°C)	pH	Spec. Cond. ms/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (ft)	Color/Odor
	0925		25.72	8.90	0.373	3.22	-72.6	119	90	27.30	Clear/None
	0930		26.20	8.91	0.372	3.25	-69.8	120	90	27.55	Clear/None
	0935		26.27	8.91	0.371	3.32	-66.9	126	90	27.88	Clear/None
	0940		26.74	8.91	0.365	3.38	-64.7	110	90	28.00	Clear/None
	0945		27.52	8.91	0.360	3.44	-62.6	100	90	28.30	Clear/None
1HR	0950		29.00	8.90	0.359	3.37	-57.0	87.5	90	28.60	Clear/None
	0955		29.81	8.91	0.359	3.31	-55.8	109	90	28.85	Clear/None
	1000		30.00	8.93	0.358	3.27	-61.2	100	90	29.10	Clear/None
	1005		28.85	8.94	0.360	3.34	-63.9	101	90	29.34	Clear/None
	1010		28.68	8.93	0.354	3.37	-65.3	96.4	90	29.60	Clear/None
	1015		28.43	8.93	0.350	3.40	-62.1	112	90	29.88	Clear/None
	1020		28.36	8.93	0.348	3.41	-61.0	107	90	29.85	Clear/None
	1025		28.48	8.94	0.347	3.43	-60.3	92.4	90	29.95	Clear/None
	1030		28.76	8.95	0.345	3.45	-58.0	84.0	90	30.10	Clear/None
	1035		29.04	8.96	0.343	3.44	-54.8	77.1	90	30.38	Clear/None
	1040		29.00	8.96	0.344	3.47	-52.4	86.8	90	30.50	Clear/None
	1045		29.04	8.95	0.342	3.45	-46.4	78.1	90	30.80	Clear/None
	1050		29.33	8.95	0.339	3.45	-41.2	83.0	90	31.26	Clear/None
2HR	1055		29.62	8.95	0.337	3.42	-38.9	61.8	90	31.45	Clear/None
	1100		29.85	8.95	0.335	3.40	-32.5	54.6	90	31.60	Clear/None
	1105		29.36	8.95	0.335	3.42	-28.6	56.9	90	31.75	Clear/None
	1110		29.50	8.95	0.331	3.40	-25.5	59.9	90	31.90	Clear/None
	1115		28.91	8.96	0.331	3.45	-19.6	53.6	90	32.24	Clear/None
	1120	Sampled									

AECOM

Well ID: 114-MW~~6~~6D-136

Low Flow Ground Water Sample Collection Record

Client: PPG
Project No: 60666330
Site Location: Garfield Ave Group of Sites
Weather Conds: M. CLOUDY 83°F
Date: 7/3/23
Time: Start 1200 am/pm
Finish ______ am/pm
Collector(s): S. Reyes

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 37.5
c. Length of Water Column ______ (a-b)
Casing Diameter/Material 2in/pvc
b. Water Table Depth 36.54

2. WELL PURGE DATA

a. Purge Method: Low Flow using bladder pump

b. Acceptance Criteria defined - Applies to the last 3 readings (see workplan)

- Temperature	±3%	-D.O.	±10%	- Turbidity	< 10 NTU	±10%
- pH	± 0.1 unit	- ORP	± 10mV			
- Sp. Cond.	±3%	- Drawdown	< 0.3'			

c. Field Testing Equipment used:

	Make	Model	Serial Number
	YSI	600XLM	m: 033334 p: 2244
Container Type	HACH	2100Q	44762

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (ms/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
12:00		22.37	8.75	0.512	1.42	-100.3	OR	100	37.24	GRAY	None
12:05		22.90	8.96	0.477	1.48	-93.8	OR	100	37.58	GRAY	None
12:10		23.50	8.96	0.458	1.58	-88.0	OR	100	37.80	GRAY	None
12:15		23.58	8.96	0.451	1.63	-94.6	OR	100	38.00	GRAY	None
12:20		23.55	8.97	0.454	1.66	-82.1	OR	100	38.15	GRAY	None
12:25		23.49	8.99	0.446	1.71	-80.8	OR	100	38.20	GRAY	None
12:30		23.96	8.99	0.442	1.85	-76.5	OR	100	38.40	GRAY	None

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required turbidity been reached	☐	☐	☐
Have parameters stabilized	☐	☐	☐

If no or N/A - Explain below.

(continued on back)

3. SAMPLE COLLECTION:

Method: Low Flow using teflon-lined tubing

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114-MW6D-136-20230703	Glass/Plastic	7	Multiple	See COC	1400

Comments change in water to milky gray color. Poor Recharge, lowest FLOW achieved to maintain flow. *Lighter gray color ** cloudy lighter gray color

Signature [signature]
Date 7/3/23

AECOM

Well ID: 114-MW610-136

	Time (24 hr)	Volume Removed (Liters)	Temp (°C)	pH	Spec. Cond. ms/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (ft)	Color/Odor
	1235		26.75	9.03	0.428	2.07	-70.5	OR	100	38.86	GRAY/None
	1240		24.77	8.99	0.411	2.49	-62.4	OR	100	39.20	GRAY/None
	1245		23.10	8.93	0.388	2.91	-51.4	OR	100	39.30	GRAY/None
	1250		22.88	8.93	0.385	2.99	-50.1	OR	100	39.40	GRAY/None
	1255		23.90	8.99	0.377	3.14	-49.8	OR	100	39.85	GRAY/None
1HR	1300		24.46	9.02	0.375	3.22	-45.8	OR	100	40.00	GRAY/None
	1305		27.63	9.00	0.373	3.21	-41.0	OR	100	40.34	GRAY/None
	1310		29.42	8.98	0.371	3.26	-31.5	OR	100	40.60	GRAY/None
	1315		30.05	8.97	0.371	3.28	-27.7	OR	100	40.65	GRAY/None
	1320		31.20	8.96	0.368	3.35	-22.1	OR	100	40.75	GRAY/None
	1325		32.34	8.94	0.366	3.37	-15.2	OR	100	41.00	GRAY/None
	1330		33.27	8.94	0.366	3.39	-13.6	OR	100	41.10	GRAY/None
	1335		33.33	8.94	0.364	3.40	-11.0	OR	100	41.10	GRAY/None
	1340		33.88	8.94	0.363	3.41	-7.4	OR	100	41.25	GRAY/None
	1345		34.30	8.94	0.362	3.43	-4.8	OR	100	41.30	GRAY/None
	1350		34.56	8.94	0.361	3.43	-2.0	OR	100	41.45	GRAY/None
	1355		34.68	8.94	0.362	3.45	-1.4	OR	100	41.50	GRAY/None
2HR	1400		34.94	8.94	0.360	3.44	0.9	OR	100	41.50	GRAY/None
	1400	SAMPLED									

114-MW60C-122.0-

AECOM

Well ID:

Low Flow Ground Water Sample Collection Record

Client: PPG　　Date: 7/26/2023　　Time: Start 09:26 am/pm
Project No: 60624321　　Finish ______ am/pm
Site Location: PPG Site 114
Weather Conds: 76/92°F Sunny　　Collector: Brendan Murphy

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length ______ c. Length of Water Column ______ (a-b)　　Casing Diameter/Material 2.0

b. Water Table Depth 7.20　d. Calculated System Volume (see back) ______

2. WELL PURGE DATA

a. Purge Method: Bladder Pump

b. Acceptance Criteria defined (see workplan)

- Temperature	3%	-D.O.	10%	- Turbidity	< 10 NTU
- pH	± 0.1 unit	- ORP	± 10mV		
- Sp. Cond.	3%	- Drawdown	< 0.3'		

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	650 MDS	15H103888 / 2244
HACH	2100Q	17120C063577

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
11:30 ~~11:25~~		22.74	11.64	5.002	12.4	-223.7	20.5	140	7.24	None	NONE
11:35		23.13	11.62	4.992	11.3	-226.0	17.5	120	7.22	No Color	No Odor
11:40		23.42	11.60	4.994	10.1	-229.0	16.4	120	7.21		
11:45		23.30	11.53	4.971	3.21	-233.4	14.1	120	7.20		
11:50		27.23	11.45	4.940	0.34	-241.2	12.9	120	7.20		
11:55		27.38	11.44	4.936	0.32	-244.1	11.4	120	7.20		
12:00		27.60	11.41	4.934	0.20	-250.1	8.39	120	7.21		

(continued on back)

d. Acceptance criteria pass/fail　　Yes　No　N/A
Has required volume been removed　☐　☐　☐
Has required turbidity been reached　☐　☐　☐
Have parameters stabilized　☐　☐　☐
If no or N/A - Explain below.
No minimum purge volume required for low-flow sampling.

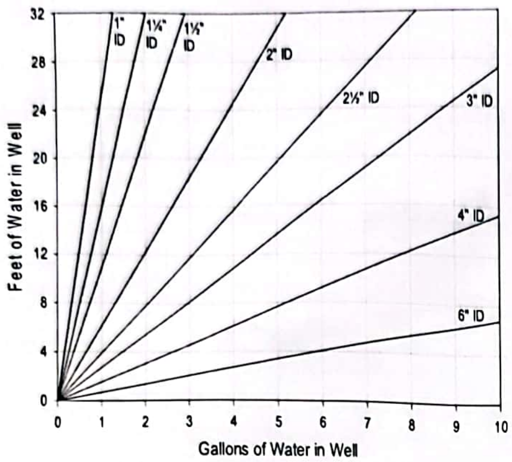
3. SAMPLE COLLECTION:　Method: ______

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114-MW60C-122.0-20230726					1240
114-MW60C-122.0-20230726X					1245

Comments ______

Signature ______　Date ______

Purge Volume Calculation



Volume / Linear Ft. of Pipe		
ID (in)	Gallon	Liter
0.25	0.0025	0.0097
0.375	0.0057	0.0217
0.5	0.0102	0.0386
0.75	0.0229	0.0869
1	0.0408	0.1544
1.25	0.0637	0.2413
1.5	0.0918	0.3475
2	0.1632	0.6178
2.5	0.2550	0.9653
3	0.3672	1.3900
4	0.6528	2.4711
6	1.4688	5.5600

(continued from front)

Time (24 hr)	Volume Removed (Liters)	Temp (°C)	pH (S.U.)	Spec. Cond. (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (ft)	Color/Odor
12:05		27.56	11.41	4.945	0.16	-254.5	5.42	120	7.19	No Color, No Odor
12:10		26.92	11.40	4.922	0.15	-255.5	4.12	120	7.19	No Color, No Odor
12:15		2627	11.34	4.914	0.13	-259.2	3.96	120	7.19	No Color, No odor
12:20		2621	11.33	4.903	0.11	-260.4	3.64	120	7.18	No Color No Odor
12:30		26.17	11.32	4.893	0.09	-263.1	3.61	120	2.18	No Color No Odor
12:35										
12:40	Sample									

AECOM

Well ID: 114-MW60C

Low Flow Ground Water Sample Collection Record

Client: PPG Date: 8/23/23 Time: Start 1046 am/pm Finish ______ am/pm

Project No: 60667926

Site Location: Garfield Avenue Group Sites

Weather Conds: Partly Cloudy 70's Collector: J. Cardiello

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 123.37 c. Length of Water Column ______ (a-b) Casing Diameter/Material ______

b. Water Table Depth 6.80 d. Calculated System Volume (see back) ______

2. WELL PURGE DATA

a. Purge Method: low-flow bladder

b. Acceptance Criteria defined (see workplan)

- Temperature	3%	-D.O.	10%
- pH	± 0.1 unit	- ORP	± 10mV
- Sp. Cond.	3%	- Drawdown	< 0.3'

Turbidity must be < 10 NTU prior to sample collection. Stabilization below 10 NTU must be achieved at +/- 10% for values greater than 1 NTU.

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI 650 MDS		03D0609AL / 03101377
HACH 2100Q		230200D000225

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
1050	–	23.0	10.94	4.544	3.40	-190.4	3.48	100	7.00	clear	none
1055	0.5	23.20	10.83	4.547	2.54	-183.9	3.78	100	6.83		
1100		23.49	10.69	4.566	1.38	-181.1	4.65	100	6.85		
1105		23.67	10.54	4.571	1.57	-183.5	4.37	100	6.89		
1110		24.13	10.53	4.605	1.33	-176.9	[illegible]	100	6.85		
1115		24.14	10.26	4.606	0.82	-173.4	1.83	100	" "		
1120		24.14	10.20	4.603	1.18	-171.9	1.74	100	" "		

(continued on back)

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☐	☐
Has required turbidity been reached	☐	☐	☐
Have parameters stabilized	☐	☐	☐

After 2 hours of purging, samples may be collected regardless of whether water quality parameters have stabilized.

If no or N/A - Explain below:
No minimum purge volume required for low-flow sampling

3. SAMPLE COLLECTION: Method: low flow bladder pump

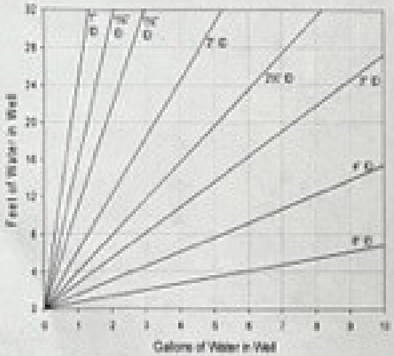
Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114-MW60C-122-20230823		15	See COC	See COC	1140
114-MW60C-122-20230823-X		5	See COC		1150
GW-K1-FB-20230823					1300

Comments ______

Signature: Julissa Cardiello Date: 8/23/23

Well ID: 114-MW60C

Purge Volume Calculation



Volume / Linear Ft. of Pipe		
ID (in)	Gallon	Liter
0.25	0.0025	0.0097
0.375	0.0057	0.0217
0.5	0.0102	0.0386
0.75	0.0229	0.0869
1	0.0408	0.1544
1.25	0.0637	0.2413
1.5	0.0918	0.3475
2	0.1632	0.6178
2.5	0.2550	0.9653
3	0.3672	1.3900
4	0.6528	2.4711
6	1.4688	5.5600

(continued from front)

Time (24 hr)	Volume Removed (Liters)	Temp (°C)	pH (S.U.)	Spec. Cond (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (ft)	Color/Odor
1125	~~24.20~~	24.20	10.17	4.604	1.12	-170.0	1.52	104	6.85	none
1130		24.21	10.17	4.602	1.09	-169.8	1.40	100	6.85	none
1135		24.19	10.15	4.595	99.2	-168.5	1.37	100	6.85	none

AECOM

Well ID:	114-MW53C-47.5

Low Flow Ground Water Sample Collection Record

Client: PPG Date: 9/22/2023 Time: Start 8:00 am/pm
Project No: 60667926 Finish 11:15 am/pm
Site Location: Site 114
Weather Conds: Partly cloudy, windy, 68 degrees Collector(s): Megan Clark & Joyce Franco

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 49.3' c. Length of Water Column 41.84' (a-b) Casing Diameter/Material 2" PVC

b. Water Table Depth 7.46'

2. WELL PURGE DATA

a. Purge Method: Low Flow using Bladder Pump

b. Acceptance Criteria defined - Applies to the last 3 readings (see workplan)

- Temperature	±3%	-D.O.	±10%	- Turbidity	< 10 NTU	±10%
- pH	± 0.1 unit	- ORP	± 10mV			
- Sp. Cond.	±3%	- Drawdown	< 0.3'			

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	Pro quatro	22J103525
HACH	2100Q	21050D000214
Ion PID	Tiger	T-1199967

Container Type

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (ms/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
8:55	0.75	19.80	7.53	3.331	0.91	75.9	192	150	7.42	Cloudy yellow	None
9:00	1.50	20.40	7.52	3.365	0.82	87.5	118	150	7.42	Cloudy yellow	None
9:05	2.25	20.60	7.52	3.397	0.73	94.0	78.4	150	7.42	Cloudy yellow	None
9:10	3.00	20.80	7.54	3.404	1.82	96.9	61.0	150	7.41	Cloudy yellow	None
9:15	3.75	20.90	7.53	3.416	1.58	97.5	37.8	150	7.39	Yellow	None
9:20	4.50	20.90	7.52	3.418	1.18	99.3	33.6	150	7.38	Yellow	None
9:25	5.25	20.90	7.53	3.420	1.16	99.5	32.5	150	7.37	Yellow	None

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required turbidity been reached	■	☐	☐
Have parameters stabilized	■	☐	☐

If no or N/A - Explain below.

(continued on back)

3. SAMPLE COLLECTION: Method: Low Flow sampling method

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114-MW53C-47.5-20230922	Glass/Plastic	5	Sulfuric acid 250 mL	TOC	10:55
			Nitric acid 250 mL	Total Cr	
			Unpreserved 250 mL	Cr+6,Eh,pH	
			Unpreserved 125 mL	Sulfate	
			Nitric acid FF 250 mL	Ferrous iron	

Comments 0.1 ppm. All parameters stable after 2 hour purge

Signature Megan Clark & Joyce Franco Date 9/22/2023

AECOM

Well ID:	114-MW53C-47.5

Time (24 hr)	Volume Removed (Liters)	Temp (°C)	pH	Spec. Cond. ms/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (ft)	Color/Odor
9:30	6.000	20.70	7.52	3.409	0.95	100.8	24.6	150	7.36	Yellow/ no odor
9:35	6.750	20.90	7.53	3.410	1.64	101.4	24.0	150	7.36	Yellow/ no odor
9:40	7.500	21.00	7.54	3.397	0.75	101.4	20.2	150	7.32	Yellow/ no odor
9:45	8.250	20.80	7.51	3.393	0.54	102.7	15.8	150	7.31	Yellow/ no odor
9:50	9.000	20.90	7.51	3.390	0.53	102.8	14.1	150	7.30	Yellow/ no odor
9:55	9.750	20.50	7.51	3.384	0.38	102.9	13.4	150	7.29	Yellow/ no odor
10:00	10.500	20.40	7.51	3.377	2.20	102.7	12.2	150	7.26	Yellow/ no odor
10:05	11.250	20.40	7.52	3.368	2.25	103.0	12.5	150	7.26	Yellow/ no odor
10:10	12.000	20.40	7.51	3.366	1.74	102.3	11.7	150	7.23	Yellow/ no odor
10:15	12.750	20.50	7.52	3.358	1.53	101.9	10.8	150	7.21	Yellow/ no odor
10:20	13.500	20.40	7.52	3.354	1.41	101.3	10.2	150	7.20	Yellow/ no odor
10:25	14.250	20.70	7.52	3.347	1.26	101.3	8.22	150	7.20	Yellow/ no odor
10:30	15.000	20.90	7.52	3.348	1.13	99.9	8.21	150	7.18	Yellow/ no odor
10:35	15.750	20.90	7.51	3.344	1.04	98.5	7.21	150	7.18	Yellow/ no odor
10:40	16.500	21.00	7.52	3.341	0.96	98.1	6.86	150	7.17	Yellow/ no odor
10:45	17.250	20.90	7.52	3.332	0.91	98.6	7.18	150	7.17	Yellow/ no odor
10:50	18.000	20.80	7.52	3.332	0.90	97.6	6.90	150	7.16	Yellow/ no odor
Sample										

114-MW53C-47.5-20230922

AECOM

Well ID:	114-MW57C-71.0

Low Flow Ground Water Sample Collection Record

Client PPG Date: 9/25/2023 Time: Start 9:15 am/pm
Project No: 60667926 Finish 12:00 am/pm
Site Location: Site 114
Weather Conds: Rainy Collector(s): AD

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 71.94' c. Length of Water Column 65.85' (a-b) Casing Diameter/Material 2" PVC

b. Water Table Depth 6.09'

2. WELL PURGE DATA

a. Purge Method: Low Flow using Bladder Pump

b. Acceptance Criteria defined - Applies to the last 3 readings (see workplan)

- Temperature	±3%	-D.O.	±10%	- Turbidity	< 10 NTU	±10%
- pH	± 0.1 unit	- ORP	± 10mV			
- Sp. Cond.	±3%	- Drawdown	< 0.3'			

c. Field Testing Equipment used:

	Make	Model	Serial Number
	YSI	600XLM	
Container Type	HACH	2100Q	

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (ms/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
9:20	0.75	17.38	8.42	1.242	4.81	183.5	201	150	6.16	yellow tint	None
9:25	1.50	17.19	8.47	1.232	3.94	168.9	186	150	6.25	yellow tint	None
9:30	2.25	17.15	8.50	1.234	3.32	152.5	125.8	150	6.24	yellow tint	None
9:35	3.00	17.11	8.56	1.229	2.02	150.2	92.6	150	6.23	yellow tint	None
9:40	3.75	17.05	8.61	1.227	1.94	137.9	70.7	150	6.22	Slight yellow tint	None
9:45	4.50	17.03	8.62	1.225	1.73	136.0	56.7	150	6.22	Slight yellow tint	None
9:50	5.25	17.03	8.65	1.224	1.48	123.3	49.5	150	6.22	Slight yellow tint	None

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required turbidity been reached	■	☐	☐
Have parameters stabilized	■	☐	☐

If no or N/A - Explain below.

(continued on back)

3. SAMPLE COLLECTION: Method: Low Flow sampling method

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114-MW57C-71-20230925	Glass/Plastic	4	None	Cr6+	12:05
114-MW57C-71-20230925	Glass/Plastic	4	Nitric acid	Total Cr	12:05
114-MW57C-71-20230925	Glass/Plastic	4	Sulfuric acid	TOC	12:05
114-MW57C-71-20230925	Glass/Plastic	4	None	Sulfate	12:05
114-MW57C-71-20230925	Glass/Plastic	4	Nitric acid	Ferrous Iron (FF)	12:05
					12:20 DUP

Comments 0.0 ppm background.8.5 ppm PID.pvc height:1.8ft ags. Steel casing: 2.6ft ags.DUP/MS/MSD collected here.

Signature Andrew Dietz Date 9/25/2023

AECOM

Well ID:	114-MW57C-71.0

Time (24 hr)	Volume Removed (Liters)	Temp (°C)	pH	Spec. Cond. ms/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (ft)	Color/Odor
9:55	6.00	16.94	8.65	1.222	1.52	116.2	41.2	150	6.22	Slight yellow tiny/none
10:00	6.75	17.03	8.66	1.221	1.56	113.8	33.9	150	6.21	Slight yellow tiny/none
10:05	7.50	16.86	8.67	1.214	1.53	110.3	27.8	150	6.21	Slight yellow tiny/none
10:10	8.25	16.79	8.68	1.212	1.46	109.8	24.4	150	6.20	Slight yellow tiny/none
10:15	9.00	17.00	8.68	1.207	1.44	106.0	22.5	150	6.20	Slight yellow tiny/none
10:20	9.75	17.04	8.68	1.200	1.40	102.5	20.9	150	6.20	Slight yellow tiny/none
10:25	10.50	16.97	8.69	1.195	1.48	100.9	18.6	150	6.19	Slight yellow tiny/none
10:30	11.25	17.11	8.68	1.187	1.30	99.4	18.0	150	6.19	Slight yellow tiny/none
10:35	12.00	17.06	8.66	1.184	1.19	99.2	18.1	150	6.18	Slight yellow tiny/none
10:40	12.75	17.10	8.68	1.177	1.34	97.8	18.5	150	6.18	Slight yellow tiny/none
10:45	13.50	17.09	8.69	1.173	1.33	96.8	15.7	150	6.18	Slight yellow tiny/none
10:50	14.25	17.09	8.67	1.186	1.40	94.1	12.9	150	6.18	Slight yellow tiny/none
10:55	15.00	17.07	8.67	1.178	1.39	92.1	12.5	150	6.18	Slight yellow tiny/none
11:00	15.75	17.07	8.69	1.152	1.21	91.3	12.3	150	6.18	Slight yellow tiny/none
11:05	16.50	17.02	8.70	1.134	1.43	89.6	11.3	150	6.17	Slight yellow tiny/none
11:10	17.25	16.98	8.70	1.129	1.24	88.6	10.2	150	6.17	Slight yellow tiny/none
11:15	18.00	16.92	8.71	1.112	1.30	87.0	11.1	150	6.17	Slight yellow tiny/none
11:20	18.75	17.08	8.71	1.108	1.30	86.3	10.1	150	6.17	Slight yellow tiny/none
11:25	19.50	[redacted]								
11:30	20.25	17.14	8.73	1.075	1.31	82.9	8.36	150	6.17	Slight yellow tiny/none
11:35	21.00	17.14	8.71	1.070	1.13	82.3	11.1	150	6.17	Slight yellow tiny/none
11:40	21.75	17.10	8.70	1.075	1.19	82.4	11.5	150	6.17	Slight yellow tiny/none
11:45	22.50	17.08	8.69	1.085	1.21	82.6	11.6	150	6.17	Slight yellow tiny/none
11:50	23.25	16.78	8.69	1.065	1.33	83.7	8.47	150	6.17	Slight yellow tiny/none
11:55	24.00	16.83	8.69	1.060	1.37	83.8	8.26	150	6.17	Slight yellow tiny/none
12:00	24.75	16.94	8.68	1.058	1.46	84.0	7.93	150	6.17	Slight yellow tiny/none

114-MW57C-71-20230925

AECOM

Well ID:	114-MW61D-117.0

Low Flow Ground Water Sample Collection Record

Client: PPG	Date: 9/21/2023	Time: Start 9:40 am/pm	
Project No: 60667926		Finish 13:45 am/pm	
Site Location: Site 114			
Weather Conds: 59/74 F, Mostly Sunny	Collector(s): Brendan Murphy		

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 140.64' c. Length of Water Column 134.79' (a-b)

Casing Diameter/Material 2.0" PVC

b. Water Table Depth 5.85'

2. WELL PURGE DATA

a. Purge Method: Low Flow using Bladder Pump

b. Acceptance Criteria defined - Applies to the last 3 readings (see workplan)

- Temperature	±3%	-D.O.	±10%	- Turbidity	< 10 NTU	±10%
- pH	± 0.1 unit	- ORP	± 10mV			
- Sp. Cond.	±3%	- Drawdown	< 0.3'			

c. Field Testing Equipment used:

Container Type	Make	Model	Serial Number
	YSI	Quatro Pro	21K103662/10102030
	HACH	2100Q	17120C063577
	PID	Tiger XT	XT-100220

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (ms/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
11:10	0.50	22.90	8.37	0.2874	2.72	-159.7	42.0	100	7.96	No Color	No Odor
11:15	1.00	22.26	8.29	0.2933	1.14	-152.9	43.2	100	8.24	No Color	No Odor
11:20	1.50	21.30	8.25	0.2960	0.85	-149.7	44.7	100	8.50	No Color	No Odor
11:25	2.00	21.24	8.26	0.2963	0.81	-150.5	44.4	100	8.72	No Color	No Odor
11:30	2.50	21.20	8.29	0.2965	0.72	-151.9	44.2	100	9.09	No Color	No Odor
11:35	3.00	21.44	8.34	0.2962	0.63	154.6	41.8	100	9.57	No Color	No Odor
11:40	3.50	21.60	8.39	0.2961	0.53	-158.2	41.0	100	9.89	No Color	No Odor

d. Acceptance criteria pass/fail

(continued on back)

	Yes	No	N/A
Has required turbidity been reached?	■	☐	☐
Have other parameters stabilized?	■	☐	☐

If no or N/A - Explain below in comment section.

3. SAMPLE COLLECTION: Method: Low Flow sampling procedures

Sample ID	Container Type Glass/Plastic	No. of Containers	Preservation	Analysis Req.	Time
114-MW61D-117.0-20230921	1, 250 ml	Amber Glass	Sulfuric Acid	TOC	13:15
	1, 250 ml	Plastic	Nitric Acid	Total Cr	
	1, 250 ml	Plastic	Nitric Acid	(FF) Ferrous Iron	
	1, 250 ml	Plastic	—	Cr+6, Eh, pH	
	1, 125 ml	Plastic	—	Sulfate	
Stick- up height (inner pvc casing) = 2		(Outer casing) 3'			
PID = 0.0 ppm					

Comments

Signature Brendan Murphy Date 9/21/2023

AECOM

Well ID:

Time (24 hr)	Volume Removed (Liters)	Temp (°C)	pH	Spec. Cond. ms/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (ft)
11:45	4.00	21.80	8.48	0.2954	0.48	-162.0	39.1	100	10.25
11:50	4.50	22.20	8.51	0.2956	0.43	-266.3	35.6	100	10.87
11:55	4.50	22.30	8.55	0.2958	0.43	-168.8	32.6	100	11.17
12:00	4.50	22.78	8.54	0.2946	0.44	-167.4	29.5	100	11.98
12:05	4.50	23.10	8.53	0.2934	0.43	-166.2	26.6	100	12.14
12:10	4.50	22.80	8.50	0.2919	0.42	-162.7	26.4	100	12.60
12:15	4.50	22.90	8.47	0.2922	0.42	-162.4	23.8	100	13.00
12:20	4.50	23.10	8.46	0.2833	0.41	-162.3	21.7	100	13.40
12:25	4.50	22.70	8.37	0.2819	0.41	-156.4	14.3	100	13.94
12:30	4.50	23.20	8.41	0.2800	0.40	-159.6	10.1	100	14.31
12:35	4.50	23.20	8.41	0.2802	0.38	-159.4	10.6	100	14.50
12:40	4.50	23.10	8.39	0.2795	0.38	-157.2	9.19	100	14.78
12:45	4.50	22.80	8.28	0.2791	0.39	-149.7	9.14	100	15.30
12:50	4.50	22.90	8.22	0.2782	0.43	-147.9	9.23	100	15.70
12:55	4.50	23.20	8.24	0.2783	0.42	-149.7	9.17	100	16.50
13:00									
13:05									
13:15		Sample							

114-MW61D-117.0-20230921

114-MW61D-117.0

Color/Odor
No Color, No Odor
No Color, No Odor
No Color, No Odor
No Color, No Odor
No Color, No Odor
No Color, No Odor
No Color, No Odor
No Color, No Odor
No Color, No Odor
No Color, No Odor
No Color, No Odor
No Color, No Odor
No Color, No Odor
No Color, No Odor
No Color, No Odor

AECOM

Well ID:	114-MW61D-121.0

Low Flow Ground Water Sample Collection Record

Client: PPG	Date: 9/22/2023	Time: Start 9:40 am	
Project No: 60667926		Finish 13:50 pm	
Site Location: Site 114			
Weather Conds: 64 F Partly Cloudy	Collector(s): M Collins		

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 137.98' c. Length of Water Column 120.37' (a-b)

Casing Diameter/Material 2" PVC

b. Water Table Depth 17.61'

2. WELL PURGE DATA

a. Purge Method: Low Flow using Bladder Pump

b. Acceptance Criteria defined - Applies to the last 3 readings (see workplan)

- Temperature	±3%	-D.O.	±10%	- Turbidity	< 10 NTU	±10%
- pH	+ 0.1 unit	- ORP	+ 10mV			
- Sp. Cond.	±3%	- Drawdown	< 0.3'			

c. Field Testing Equipment used:

	Make	Model	Serial Number
	YSI	650MDS	01K0893AA/99K0055AD
Container Type	HACH	2100Q	11090C012245
	TIGER	XT	XT100224

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (ms/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
9:45	0.70	20.24	8.59	0.315	5.42	14.1	172	140	15.90	Cloudy	None
9:50	1.40	20.29	8.57	0.316	3.65	4.20	210	140	16.12	Cloudy	None
9:55	2.10	20.51	8.68	0.316	2.11	0.10	207	140	16.62	Cloudy	None
10:00	2.80	20.80	8.61	0.316	1.65	-11.7	204	140	17.05	Cloudy	None
10:05	3.50	20.65	8.65	0.316	1.34	-15.8	208	140	17.55	Cloudy	None
10:10	4.20	20.12	8.68	0.316	1.04	-22.2	211	140	18.09	Cloudy	None
10:15	4.90	20.11	8.69	0.316	1.92	-2.30	190	140	18.52	Cloudy	None

(continued on back)

d. Acceptance criteria pass/fail	Yes	No	N/A
Has required turbidity been reached	☐	■	☐
Have parameters stabilized	☐	■	☐

If no or N/A - Explain below.

3. SAMPLE COLLECTION: Method: Low Flow sampling method

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114-MW61D-121-20230922	Glass/Plastic	7	various	see COC	13:50

Comments PID 0.0 ppm, tried to get turbidity below 10 ntu, could not after purging for 4 hours, collected field filtered samples

Signature Michael Collins Date 8/22/2023

Well ID:	114-MW61D-121.0

Time (24 hr)	Volume Removed (Liters)	Temp (°C)	pH	Spec. Cond. ms/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (ft)	Color/Odor
10:20	5.60	20.11	8.70	0.316	0.83	-27.8	170	140	19.10	cloudy/none
10:25	6.30	20.28	8.70	0.315	0.83	-30.1	148	140	19.45	cloudy/none
10:30	7.00	20.37	8.70	0.316	0.72	-30.3	156	140	19.88	cloudy/none
10:35	7.70	20.58	8.71	0.316	0.64	-30.5	170	140	20.21	cloudy/none
10:40	8.40	20.57	8.71	0.316	0.61	-30.7	152	140	21.62	cloudy/none
10:45	9.10	20.56	8.71	0.316	0.57	-30.9	135	140	21.16	cloudy/none
10:50	9.80	20.37	8.71	0.316	0.53	-31.5	138	140	21.61	cloudy/none
10:55	10.50	20.67	8.70	0.316	0.50	-31.5	120	140	22.11	cloudy/none
11:00	11.20	20.97	8.69	0.316	0.47	-31.4	112	140	22.59	cloudy/none
11:05	11.90	18.65	8.76	0.313	0.45	-30.4	122	140	23.16	cloudy/none
11:10	12.60	18.57	8.73	0.312	0.48	-30.6	63.4	140	24.07	clear/none
11:15	13.30	18.69	8.71	0.311	0.44	-27.9	35.6	140	25.09	clear/none
11:20	14.00	18.64	8.69	0.309	0.41	-24.5	26.4	140	26.14	clear/none
11:25	14.70	18.66	8.70	0.308	0.43	-23.2	25.8	140	27.02	clear/none
11:30	15.40	18.68	8.72	0.306	0.45	-21.2	25.2	140	28.05	clear/none
11:35	16.10	18.76	8.68	0.306	0.45	-16.2	22.3	140	28.85	clear/none
11:40	16.80	18.94	8.64	0.306	0.46	-14.9	17.2	140	29.63	clear/none
11:45	17.50	18.75	8.63	0.305	0.32	-10.5	16.2	140	30.62	clear/none
11:50	18.20	18.56	8.62	0.304	0.27	-5.80	15.9	140	31.65	clear/none
11:55	18.90	18.50	8.63	0.303	0.25	-0.90	14.8	140	32.50	clear/none
12:00	19.60	18.40	8.64	0.303	0.23	0.00	13.7	140	33.84	clear/none
12:05	20.30	18.81	8.63	0.304	0.23	2.80	14.6	140	34.39	clear/none
12:20	21.00	18.90	8.59	0.305	0.23	5.60	15.5	140	35.21	clear/none
12:15	21.70	19.01	8.56	0.305	0.23	11.4	16.4	140	36.09	clear/none
12:20	22.40	18.88	8.57	0.304	0.22	12.5	15.2	140	37.52	clear/none
12:25	23.10	18.63	8.58	0.304	0.21	15.1	17.7	140	38.00	clear/none
12:30	23.80	18.69	8.68	0.306	0.22	12.3	15.6	140	38.00	clear/none
12:35	24.50	21.70	8.57	0.305	0.50	14.9	14.2	140	38.83	clear/none
12:40	25.20	18.68	8.61	0.307	0.23	12.1	35.3	140	39.21	clear/none
12:45	25.90	21.28	8.65	0.305	0.24	10.0	27.2	140	39.52	clear/none
12:50	26.60	21.28	8.69	0.304	0.24	9.00	25.9	140	39.92	clear/none
12:55	27.30	20.55	8.62	0.305	0.23	14.3	20.9	140	40.72	clear/none
13:00	28.00	19.92	8.59	0.306	0.21	16.5	18.3	140	41.51	clear/none
13:05	28.70	20.82	5.59	0.306	0.22	18.5	17.3	140	42.15	clear/none
13:10	29.40	21.73	8.59	0.306	0.21	22.6	16.2	140	42.77	clear/none
13:10	30.10	21.85	8.56	0.307	0.21	24.6	17.2	140	43.35	clear/none
13:20	30.80	22.00	8.55	0.307	0.21	26.6	18.0	140	44.00	clear/none
13:25	31.50	22.18	8.53	0.307	0.18	29.2	17.5	140	45.11	clear/none
13:30	32.20	22.36	8.53	0.307	0.17	31.1	16.8	140	45.22	clear/none
13:35	32.90	21.99	8.52	0.307	0.18	32.2	16.9	140	46.20	clear/none
13:40	33.60	21.83	8.51	0.307	0.19	33.3	15.1	140	46.82	clear/none
13:45	34.30	22.00	8.51	0.308	0.18	33.3	40.2	140	47.20	clear/none

Sampled

114-MW61D-121-20230922

AECOM

Well ID:	114-MW61D

Low Flow Ground Water Sample Collection Record

Client: PPG Date: 9/26/2023 Time: Start 9:55 am/pm
Project No: 60666330 Finish 11:55 am/pm
Site Location: Garfield Ave Group of Sites
Weather Conds: Rain 60F Collector(s): AD

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 137.97 c. Length of Water Column 125.72 (a-b) Casing Diameter/Material 2in pvc

b. Water Table Depth 12.25

2. WELL PURGE DATA

a. Purge Method: Low Flow using Peristaltic Pump

b. Acceptance Criteria defined - Applies to the last 3 readings (see workplan)

- Temperature	±3%	-D.O.	±10%	- Turbidity	< 10 NTU	±10%
- pH	± 0.1 unit	- ORP	± 10mV			
- Sp. Cond.	±3%	- Drawdown	< 0.3'			

c. Field Testing Equipment used:

	Make	Model	Serial Number
	YSI	600XLM	
Container Type	HACH	2100Q	

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (ms/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
10:00	0.625	15.19	8.97	0.245	4.55	-100.9	145	125	12.59	Cloudy	None
10:05	1.25	14.82	9.02	0.245	2.44	-123.9	123.3	125	12.99	Cloudy	None
10:10	1.875	14.99	9.15	0.255	1.23	-141.8	214	125	13.93	Cloudy	None
10:15	2.5	15.63	9.07	0.255	1.16	-133.8	187	125	15.23	Cloudy	None
10:20	3.125	15.62	9.06	0.257	2.58	-119.6	190	125	16.16	Cloudy	None
10:25	3.75	15.57	9.10	0.253	4.53	-102.2	188	125	17.81	Cloudy	None
10:30	4.375	15.57	9.06	0.254	7.28	-106.4	162	125	18.77	Cloudy	None

(continued on back)

d. Acceptance criteria pass/fail	Yes	No	N/A
Has required turbidity been reached	☐	■	☐
Have parameters stabilized	☐	■	☐

If no or N/A - Explain below.

3. SAMPLE COLLECTION: Method: Low Flow using teflon-lined tubing

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114-MW61D-126-20230926	Glass/Plastic	1	Ice	Cr6+, Eh,pH	12:00
114-MW61D-126-20230926	Glass/Plastic	1	Nitric acid	Total Cr	12:00
114-MW61D-126-20230926	Glass/Plastic	1	Sulfuric acid	TOC	12:00
114-MW61D-126-20230926	Glass/Plastic	1	Ice	Sulfate	12:00
114-MW61D-126-20230926	Glass/Plastic	1	Nitric acid	Ferrous Iron	12:00

Comments 18.8ppm pid. 0.5 background. Although tubing was secured at target depth, the weight of the bladder pump pulled it free at s
Bladder pump was set back at target interval for 15 minutes and then sampled.

Signature Andrew Dietz Date 9/26/2023

AECOM

Well ID:	114-MW61D

Time (24 hr)	Volume Removed (Liters)	Temp (°C)	pH	Spec. Cond. ms/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (ft)	Color/Odor
10:35	5	15.6	9.07	0.252	8.07	-83.1	162	125	20.5	Cloudy/none
10:40	5.625	15.6	9.06	0.251	7.97	-81.6	169	125	21.33	Cloudy/none
10:45	6.25	15.3	9.07	0.247	7.86	-80.5	133	125	22.94	Cloudy/none
10:50	6.875	15.24	9.13	0.244	7.38	-80.5	121	125	23.99	Cloudy/none
10:55	7.5	15.24	9.11	0.243	7.05	-75.4	112	125	25.47	Cloudy/none
11:00	8.125	15.17	9.1	0.24	6.76	-71.8	97	125	26.69	Cloudy/none
11:05	8.75	15.24	9.14	0.239	6.69	-71.5	81.7	125	27.91	Cloudy/none
11:10	9.375	15.25	9.07	0.237	6.8	-63.0	71.7	125	29.43	Cloudy/none
11:15	10	15.21	9.08	0.236	6.13	-65.2	69.4	125	30.21	Cloudy/none
11:20	10.625	15.2	9.12	0.235	6.2	-54.2	69	125	31.07	Clear/none
11:25	11.25	15.11	9.13	0.234	5.85	-53.7	59.7	125	32.04	Clear/none
11:30	11.875	15.15	9.15	0.232	5.72	-51.5	55.9	125	33.08	Clear/none
11:35	12.5	15.18	9.17	0.231	5.64	-49.3	49.2	125	34.1	Clear/none
11:40	13.125	15.19	9.09	0.232	5.39	-45.9	46.4	125	35.21	Clear/none
11:45	13.75	15.55	9.26	0.259	5.11	-121.0	259	125	35.87	Clear/none
11:50	14.375	15.55	9.26	0.234	5.05	-41.0	143	125	36.77	Clear/none
11:55	15	15.55	9.26	0.231	4.16	-49.0	102	125	37.89	Clear/none

AECOM

Well ID:	114-MW61D

Low Flow Ground Water Sample Collection Record

Client: PPG
Date: 9/1/2623
Time: Start 12:45 am/pm
Finish 14:55 am/pm
Project No: 60667926
Site Location: Garfield Ave Group of Sites
Weather Conds: Rain 61F
Collector(s): AD

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 137.97
c. Length of Water Column 125.72 (a-b)
Casing Diameter/Material 2inpvc
b. Water Table Depth 12.25

2. WELL PURGE DATA

a. Purge Method: Low Flow using Bladder Pump

b. Acceptance Criteria defined - Applies to the last 3 readings (see workplan)

- Temperature	±3%	-D.O.	±10%	- Turbidity	< 10 NTU	±10%
- pH	± 0.1 unit	- ORP	± 10mV			
- Sp. Cond.	±3%	- Drawdown	< 0.3'			

c. Field Testing Equipment used:

	Make	Model	Serial Number
	YSI	600XLM	
Container Type	HACH	2100Q	

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (ms/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
12:50	0.625	15.43	9.17	0.28	3.31	-112.4	Too high	125	45.01	Cloudy	None
12:55	1.25	15.39	9.20	0.278	2.90	-120.0	Too high	125	45.86	Cloudy	None
13:00	1.875	15.41	9.27	0.276	2.42	-132.3	Too high	125	46.59	Cloudy	None
13:05	2.5	15.37	9.25	0.271	1.98	-131.7	Too high	125	47.34	Cloudy	None
13:10	3.125	15.30	9.25	0.262	1.95	-100.9	Too high	125	48.45	Cloudy	None
13:15	3.75	15.21	9.25	0.249	1.94	-99.2	703	125	49.23	Cloudy	None
13:20	4.375	15.18	9.26	0.241	2.10	-82.4	300	125	50.15	Cloudy	None

(continued on back)

d. Acceptance criteria pass/fail	Yes	No	N/A
Has required turbidity been reached	☐	■	☐
Have parameters stabilized	☐	■	☐

If no or N/A - Explain below.

3. SAMPLE COLLECTION: Method: Low Flow sampling method

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114-MW61D-131-20230926	Glass/Plastic	1	Ice	Cr6+, Eh,pH	15:00
114-MW61D-131-20230926	Glass/Plastic	1	Nitric acid	Total Cr	15:00
114-MW61D-131-20230926	Glass/Plastic	1	Sulfuric acid	TOC	15:00
114-MW61D-131-20230926	Glass/Plastic	1	Ice	Sulfate	15:00
114-MW61D-131-20230926	Glass/Plastic	1	Nitric acid	Ferrous Iron	15:00

Comments

Signature Andrew Dietz
Date 9/26/2023

AECOM

Well ID:	114-MW61D

Time (24 hr)	Volume Removed (Liters)	Temp (°C)	pH	Spec. Cond. ms/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (ft)	Color/Odor
13:25	5	15.15	9.19	0.235	2.21	-61.0	165	125	50.82	Cloudy/none
13:30	5.625	15.22	9.24	0.234	2.32	-48.4	118	125	51.34	Cloudy/none
13:35	6.25	15.21	9.19	0.232	2.55	-25.2	58.9	125	52.27	Cloudy/none
13:40	6.875	15.21	9.22	0.232	2.66	-14.6	45.3	125	52.86	Clear/none
13:45	7.5	15.17	9.22	0.231	2.71	-10.3	30.7	125	53.85	Clear/none
13:50	8.125	15.15	9.19	0.232	3.07	-8.40	28.2	125	54.66	Clear/none
13:55	8.75	15.12	9.21	0.231	3.06	-8.40	25.4	125	55.37	Clear/none
14:00	9.375	15.13	9.20	0.231	3.05	-5.60	23.5	125	56.00	Clear/none
14:05	10	15.12	9.20	0.231	2.94	-2.30	21.9	125	56.78	Clear/none
14:10	10.625	15.12	9.22	0.231	2.88	-0.10	20.9	125	57.46	Clear/none
14:15	11.25	5.130	9.16	0.231	2.81	3.70	20.1	125	58.15	Clear/none
14:20	11.875	15.14	9.13	0.231	2.75	6.30	19.1	125	58.91	Clear/none
14:25	12.5	15.13	9.21	0.231	2.70	1.30	18.3	125	59.90	Clear/none
14:30	13.125	15.21	9.22	0.232	2.68	0.40	18.2	125	60.39	Clear/none
14:35	13.75	15.21	9.21	0.230	2.61	2.00	17.2	125	61.19	Clear/none
14:40	14.375	15.22	9.23	0.233	2.60	0.80	16.5	125	61.69	Clear/none
14:45	15	15.23	9.22	0.233	2.50	-2.00	18.9	125	62.57	Clear/none
14:50	15.625	15.26	9.23	0.233	2.46	-2.30	16.8	125	63.22	Clear/none
14:55	16.25	15.27	9.23	0.233	2.42	-3.80	15.8	125	63.88	Clear/none

AECOM

Well ID:	114-MW61D-136.0

Low Flow Ground Water Sample Collection Record

Client PPG	Date: 9/27/2023	Time: Start 8:20 am/pm	
Project No: 60667926		Finish 12:00 am/pm	
Site Location: Garfield Ave Group of Sites			
Weather Conds: 56/68 F, Sunny	Collector(s): Brendan Murphy		

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 138.4 c. Length of Water Column 97.00 (a-b)

Casing Diameter/Material 2.0"

b. Water Table Depth 41.4

2. WELL PURGE DATA

a. Purge Method: Low Flow using Bladder Pump

b. Acceptance Criteria defined - Applies to the last 3 readings (see workplan)

- Temperature	±3%	-D.O.	±10%	- Turbidity	< 10 NTU	±10%
- pH	+ 0.1 unit	- ORP	+ 10mV			
- Sp. Cond.	±3%	- Drawdown	< 0.3'			

c. Field Testing Equipment used:

	Make	Model	Serial Number
	YSI	600XLM	02F1227AA / 99C0323AA
Container Type	HACH	2100Q	13070C0216629

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (ms/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
9:15	1	15.69	8.65	0.313	7.45	-104.2	1000+	200	45.05	Light Gray	No Odor
9:20	1.7	16.14	8.68	0.323	1.73	-139.2	1000+	140	48.97	Light Gray	No Odor
9:25	2.3	16.08	8.70	0.323	1.54	-136.2	1000+	120	49.80	Light Gray	No Odor
9:30	2.9	15.57	8.71	0.314	1.43	-121.9	1000+	120	49.98	Light Gray	No Odor
9:35	3.45	15.62	8.63	0.363	1.47	-100.9	1000+	110	50.18	Light Gray	No Odor
9:40	4	16.07	8.67	0.348	1.43	-90.7	571	110	50.35	Light Gray	No Odor
9:45	4.55	16.18	8.67	0.28	1.46	-79.8	435	110	50.70	Light Gray	No Odor

(continued on back)

d. Acceptance criteria pass/fail	Yes	No	N/A
Has required turbidity been reached	☐	■	☐
Have parameters stabilized	☐	■	☐

If no or N/A - Explain below.

3. SAMPLE COLLECTION: Method: Low Flow sampling method

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
	Glass/Plastic				11:25
114-MW61D-136.0-20230927	1 250 ml	Amber Glass	Sulfuric Acid		
	1 250 ml	Plastic	Nitric Acid		
	1 250 ml	Plastic	Nitric Acid	(FF)	
	1 250 ml	Plastic	—		
	1 125 ml	Plastic	—		
	1 250 ml	Plastic	Nitric Acid	(FF)	
	1 250 ml	Plastic	—	(FF)	

Comments Turbidity did not stabilize below 10 ntu. Additional field filtered volume was collected (FF).

Signature Brendan Murphy Date 9/27/2023

AECOM

Well ID:	114-MW61D-136.0

Time (24 hr)	Volume Removed (Liters)	Temp (°C)	pH	Spec. Cond. ms/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (ft)	Color/Odor
9:50	5.10	16.13	8.70	0.269	1.62	-67.1	202	110	52.74	Light Gray, No Odor
9:55	5.65	16.29	8.73	0.264	1.54	-57.1	140	110	53.78	Light Gray, No Odor
10:00	6.20	16.37	8.70	0.263	1.51	-39.8	121	110	54.90	Very Light Gray
10:05	6.75	16.40	8.66	0.262	1.47	-19.5	87.9	110	56.21	Very Light Gray
10:10	7.30	16.46	8.62	0.261	1.46	-11.2	63.4	110	57.44	Very Light Gray
10:15	7.85	16.37	8.61	0.262	1.45	2.00	53.2	110	58.27	Very Light Gray
10:20	8.40	16.38	8.61	0.262	1.45	3.80	50.3	110	58.79	No Color, No Odor
10:25	8.95	16.40	8.62	0.263	1.46	6.00	49.5	110	59.74	No Color, No Odor
10:30	9.50	16.25	8.62	0.262	1.43	8.10	48.7	110	59.94	No Color, No Odor
10:35	10.05	16.18	8.62	0.262	1.40	13.3	47.0	110	60.20	No Color, No Odor
10:40	10.60	16.33	8.65	0.264	1.51	14.2	45.5	110	61.55	No Color, No Odor
10:45	11.15	16.54	8.68	0.265	1.77	15.5	52.8	110	61.89	No Color, No Odor
10:50	11.70	16.55	8.69	0.267	1.77	15.1	47.3	110	62.10	No Color, No Odor
10:55	12.25	16.56	8.70	0.268	1.78	14.6	42.9	110	62.41	No Color, No Odor
11:00	12.80	16.49	8.68	0.267	1.79	15.5	40.4	110	63.31	No Color, No Odor
11:05	13.35	16.43	8.67	0.266	1.81	16.9	46.8	110	64.08	No Color, No Odor
11:10	13.90	16.42	8.64	0.266	1.79	17.2	46.6	110	64.68	No Color, No Odor
11:15	14.45	16.39	8.64	0.267	1.79	17.0	43.4	110	67.17	No Color, No Odor
11:25		Sample								

AECOM

Well ID:	114-MW62C-73.0

Low Flow Ground Water Sample Collection Record

Client: PPG — Date: 9/25/2023 — Time: Start 9:00 am/pm

Project No: 60667926 — Finish 12:30 am/pm

Site Location: Site 114

Weather Conds: Rainy, 60 degrees — Collector(s): Megan Clark

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 76' — c. Length of Water Column 70.2' (a-b) — Casing Diameter/Material 2" PVC

b. Water Table Depth 5.8'

2. WELL PURGE DATA

a. Purge Method: Low Flow using bladder pump

b. Acceptance Criteria defined - Applies to the last 3 readings (see workplan)

- Temperature	±3%	-D.O.	±10%	- Turbidity	< 10 NTU	±10%
- pH	± 0.1 unit	- ORP	± 10mV			
- Sp. Cond.	±3%	- Drawdown	< 0.3'			

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	Pro quatro	22J103525
HACH	2100Q	21050D000214
Ion PID	Tiger	T-1199967

Container Type

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (ms/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
10:10	0.50	16.70	7.18	1.393	2.10	75.6	8.82	100	5.81	Clear	None
10:15	1.00	17.00	7.14	1.393	1.35	107.1	7.68	100	5.82	Clear	None
10:20	1.50	16.80	7.13	1.386	2.07	120.2	4.94	100	5.83	Clear	None
10:25	2.00	16.30	7.13	1.388	1.23	123.2	5.33	100	5.84	Clear	None
10:30	2.50	16.80	7.13	1.396	0.60	127.4	5.68	100	5.85	Clear	None
10:35	3.00	16.70	7.14	1.390	0.82	133.6	5.19	100	5.85	Clear	None
10:40	3.50	17.00	7.14	1.391	0.62	137.6	4.03	100	5.85	Clear	None

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required turbidity been reached	■	☐	☐
Have parameters stabilized	■	☐	☐

If no or N/A - Explain below.

(continued on back)

3. SAMPLE COLLECTION: Method: Low Flow using teflon-lined tubing

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114-MW62C-73.0-20230925	Glass/Plastic	5	Sulfuric acid 250 mL	TOC	11:35
			Nitric acid 250 mL	Total Cr	
			Unpreserved 250 mL	Cr+6,Eh,pH	
			Unpreserved 125 mL	Sulfate	
			Nitric acid FF 250 mL	Ferrous iron	

Comments 0 ppm

Signature Megan Clark — Date 9/25/2023

AECOM

Well ID:	114-MW62C-73.0

Time (24 hr)	Volume Removed (Liters)	Temp (°C)	pH	Spec. Cond. ms/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (ft)	Color/Odor
10:45	4.30	16.60	7.13	1.391	0.40	136.8	2.43	160	5.85	Clear/ No odor
10:50	5.10	16.70	7.13	1.394	0.29	137.3	2.65	160	5.85	Clear/ No odor
10:55	5.90	17.00	7.13	1.391	0.51	138.8	3.72	160	5.85	Clear/ No odor
11:00	6.70	16.50	7.13	1.391	0.84	138.1	2.20	160	5.86	Clear/ No odor
11:05	7.50	16.50	7.14	1.389	0.49	139.0	1.73	160	5.86	Clear/ No odor
11:10	8.30	16.50	7.14	1.389	0.42	137.1	1.74	160	5.86	Clear/ No odor
11:15	9.10	16.50	7.13	1.388	0.34	136.6	1.63	160	5.87	Clear/ No odor
11:20	9.90	16.50	7.14	1.388	0.27	135.5	1.38	160	5.87	Clear/ No odor
11:25	10.70	16.50	7.14	1.388	0.26	135.2	1.31	160	5.87	Clear/ No odor
11:30	11.50	16.50	7.14	1.388	0.25	134.9	1.26	160	5.87	Clear/ No odor
Sample										
114-MW62C-73.0-20230925										

AECOM

Well ID:	114-PZ-52WR-74.0

Low Flow Ground Water Sample Collection Record

Client: PPG — Date: 9/22/2023 — Time: Start 8:50 am/pm

Project No: 60667926 — Finish 11:00 am/pm

Site Location: Site 114

Weather Conds: 70 F, Sunny — Collector(s): Zachary Bartram and Brendan Murphy

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 77.38' c. Length of Water Column 72.48' (a-b)

Casing Diameter/Material: 2" PVC

b. Water Table Depth 4.90'

2. WELL PURGE DATA

a. Purge Method: Low Flow using Bladder Pump

b. Acceptance Criteria defined - Applies to the last 3 readings (see workplan)

- Temperature	±3%	-D.O.	±10%	- Turbidity	< 10 NTU	±10%
- pH	± 0.1 unit	- ORP	± 10mV			
- Sp. Cond.	±3%	- Drawdown	< 0.3'			

c. Field Testing Equipment used:

Container Type	Make	Model	Serial Number
	YSI	Quatro Pro	21K103662/10102030
	HACH	2100Q	17120C063577
	PID	Tiger XT	XT-100220

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (ms/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
8:50	0.50	19.70	5.09	1.099	5.40	79.8	1000+	100	5.23	Milky White	Rotten
9:00	1.00	20.20	4.99	1.383	1.45	85.0	1000+	100	5.25	Milky White	Rotten
9:05	1.50	20.20	4.99	1.410	1.28	85.3	1000+	100	5.26	Milky White	Rotten
9:10	2.00	20.60	4.98	1.469	0.76	85.9	1000+	100	5.26	Milky White	Rotten
9:15	2.50	20.70	4.98	1.480	0.74	85.9	1000+	100	5.26	Milky White	Rotten
9:20	3.00	20.80	4.98	1.487	0.75	85.9	1000+	100	5.26	Milky White	Rotten
9:25	3.50	20.90	4.98	1.488	0.75	85.9	1000+	100	5.26	Milky White	Rotten

(continued on back)

d. Acceptance criteria pass/fail	Yes	No	N/A
Has required turbidity been reached	☐	■	☐
Have parameters stabilized	■	☐	☐

If no or N/A - Explain below.

3. SAMPLE COLLECTION: Method: Low Flow sampling method

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114-PZ-52WR-74.0-20230922	Amber Glass	1, 250 ml	Sulfuric Acid	TOC	11:00
	Plastic	1, 250 ml	Nitric Acid	Total Cr	
	Plastic	1, 250 ml	Nitric Acid	(FF) Ferrous Iron	
	Plastic	1, 250 ml	—	Cr+6, Eh, pH	
	Plastic	1, 125 ml	—	Sulfate	

Comments 1000+ indicating turbidity is out of range of the meter. Outer casing is 2 feet 8 inches. 1 foot 9 inches for inner pvc casing
0.0 PID

Signature Zachary Bartram and Brendan Murphy — Date 9/22/2023

AECOM

Well ID:	114-PZ-52WR-74.0

Time (24 hr)	Volume Removed (Liters)	Temp (°C)	pH	Spec. Cond ms/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (ft)	Color/Odor
9:30	4.00	20.9	4.97	1.509	0.74	85.9	1000+	100	4.90	Milky white/ Rotten
9:35	4.50	20.8	4.97	1.514	0.75	86.4	1000+	100	4.86	Milky white/ Rotten
9:40	5.00	21.0	4.97	1.513	0.71	87.0	1000+	100	4.80	Milky white/ Rotten
9:45	5.50	21.1	4.97	1.509	0.67	86.9	1000+	100	4.73	Milky white/ Rotten
9:50	6.00	21.0	4.97	1.513	0.66	87.1	1000+	100	4.69	Milky white/ Rotten
9:55	6.50	21.0	4.96	1.517	0.62	87.5	1000+	100	4.63	Milky Brown Yellow/ rotten
10:00	7.00	20.6	4.95	1.524	0.57	87.7	1000+	100	4.59	Milky Brown Yellow/ rotten
10:05	7.50	20.6	4.95	1.523	0.54	87.8	1000+	100	4.53	Milky Brown Yellow/ rotten
10:10	8.00	20.6	4.95	1.510	0.50	87.9	1000+	100	4.55	Milky Brown Yellow/ rotten
10:15	8.50	20.3	4.94	1.524	0.49	88.0	1000+	100	4.58	Milky Brown Yellow/ rotten
10:20	9.00	20.3	4.94	1.519	0.46	88.4	1000+	100	4.49	Milky Brown Yellow/ rotten
10:25	9.50	20.3	4.94	1.520	0.44	88.5	1000+	100	4.47	Milky Brown Yellow/ rotten
10:30	10.00	20.6	4.85	1.509	0.45	91.9	1000+	100	4.35	Milky Brown Yellow/ rotten
10:35	10.50	20.5	4.91	1.513	0.45	89.9	1000+	100	4.30	Milky Brown Yellow/ rotten
10:40	11.00	20.5	4.91	1.519	0.38	90.2	1000+	100	4.28	Milky Brown Yellow/ rotten
10:45	11.50	20.5	4.91	1.518	0.37	90.2	1000+	100	4.27	Milky Brown Yellow/ rotten
10:50	12.00	20.5	4.91	1.519	0.37	90.3	1000+	100	4.27	Milky Brown Yellow/ rotten
10:55	12.50	20.50	4.91	1.518	0.36	90.1	1000+	100	4.26	Milky Brown Yellow/ rotten
11:00	SAMPLED									

114-PZ-52WR-74.0-20230922

AECOM

Well ID:	114–PZ-66WR-83.0

Low Flow Ground Water Sample Collection Record

Client: PPG	Date: 9/22/2023	Time: Start 9:35 am/pm	
Project No: 60667926		Finish 13:30 am/pm	
Site Location: Site 114			
Weather Conds: Cloudy 61F	Collector(s): AD		

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 85.98'   c. Length of Water Column 78.40' (a-b)   Casing Diameter/Material 2" PVC

b. Water Table Depth 7.58'

2. WELL PURGE DATA

a. Purge Method: Low Flow using Bladder Pump

b. Acceptance Criteria defined - Applies to the last 3 readings (see workplan)

- Temperature	±3%	-D.O.	±10%	- Turbidity	< 10 NTU	±10%
- pH	± 0.1 unit	- ORP	± 10mV			
- Sp. Cond.	±3%	- Drawdown	< 0.3'			

c. Field Testing Equipment used:

	Make	Model	Serial Number
	YSI	600XLM	03L0267AD
Container Type	HACH	2100Q	20040C084833
	Ion PID	Tiger LT	T-115507

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (ms/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
9:40		Missed									
9:45	0.50	21.26	10.25	0.957	3.90	73.0	192	100	7.50	Yellow tint	None
9:50	1.00	20.93	8.81	1.628	1.96	97.4	190	100	7.52	Yellow tint	None
9:55	1.50	20.13	8.42	1.788	1.11	94.8	186	100	7.53	Yellow tint	None
10:00	2.00	19.65	8.37	1.792	0.92	90.7	188	100	7.54	Yellow tint	None
10:05	2.50	19.65	8.36	1.791	0.84	89.9	147	100	7.54	Yellow tint	None
10:10	3.00	19.88	8.32	1.788	0.85	89.2	80.0	100	7.54	Yellow tint	None

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required turbidity been reached	■	☐	☐
Have parameters stabilized	■	☐	☐

If no or N/A - Explain below.

(continued on back)

3. SAMPLE COLLECTION: Method: Low Flow sampling method

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114–PZ-66WR-83.0-20230922	Glass/Plastic	3	Ice	Cr6+,Eh,pH	
114–PZ-66WR-83.0-20230922	Glass/Plastic	3	Nitric acid	Total Cr	12:50
114–PZ-66WR-83.0-20230922	Glass/Plastic	3	Sulfuric acid	TOC	
114–PZ-66WR-83.0-20230922	Glass/Plastic	3	FF Nitric acid	Ferrous iron	
114–PZ-66WR-83.0-20230922	Glass/Plastic	3	Ice	Sulfate	
114–PZ-66WR-83.0-20230922-X	DUP	DUP	DUP	DUP	13:05

Comments DUP and MS/MSD collected here. 2.0 ppm background. 138.0 ppm PID. 34.5 inch stickup height.

Signature Andrew Dietz   Date 9/22/2023

AECOM

Well ID:	114-PZ-66WR-83.0

Time (24 hr)	Volume Removed (Liters)	Temp (°C)	pH	Spec. Cond. ms/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (ft)	Color/Odor
10:15	3.50	19.98	8.29	1.785	0.78	87.6	76.9	100	7.54	Yellow/ none
10:20	4.00	19.92	8.29	1.780	0.65	86.7	76.7	100	7.54	Yellow/ none
10:25	4.50	20.18	8.30	1.777	0.72	86.6	61.5	100	7.54	Yellow/ none
10:30	5.00	20.27	8.29	1.773	0.63	85.8	54.3	100	7.54	Yellow/ none
10:35	5.50	20.58	8.24	1.768	0.56	84.0	43.6	100	7.54	Yellow/ none
10:40	6.00	20.57	8.23	1.767	0.58	82.8	34.5	100	7.54	Yellow/ none
10:45	6.50	20.42	8.22	1.759	0.68	80.8	30.2	100	7.54	Yellow/ none
10:50	7.00	20.46	8.22	1.751	0.67	79.5	29.9	100	7.54	Yellow/ none
10:55	7.50	20.37	8.20	1.743	0.55	78.6	29.9	100	7.54	Yellow/ none
11:00	8.00	21.62	8.22	1.733	0.67	76.8	29.9	100	7.54	Yellow/ none
11:05	8.50	21.43	8.23	1.730	0.69	76.6	29.9	100	7.54	Yellow/ none
11:10	9.00	22.12	8.24	1.728	0.71	76.4	29.9	100	7.54	Yellow/ none
Missed due to trouble shooting…problem was dead battery										
11:55	9.50	18.41	8.00	1.790	3.35	79.1	32.3	125	7.45	Yellow/ none
12:00	10.00	17.73	7.92	1.779	2.64	77.1	25.7	125	7.45	Yellow/ none
12:05	10.50	18.19	7.90	1.776	1.85	77.4	20.2	125	7.47	Yellow/ none
12:10	11.00	18.78	7.87	1.769	1.34	76.9	13.7	125	7.48	Yellow/ none
12:15	11.50	19.08	7.85	1.765	1.14	76.4	7.54	125	7.49	Yellow/ none
12:20	12.00	18.59	7.85	1.761	0.92	77.3	7.99	125	7.43	Yellow/ none
12:25	12.50	18.70	7.86	1.747	1.28	78.1	9.34	125	7.44	Yellow/ none
12:30	13.00	18.64	7.87	1.742	0.50	77.8	11.1	125	7.43	Yellow/ none
12:35	13.50	18.87	7.86	1.732	0.55	77.7	6.72	125	7.41	Yellow/ none
12:40	14.00	18.94	7.85	1.723	0.54	77.4	6.94	125	7.42	Yellow/ none
12:45	14.50	19.17	7.83	1.714	0.51	77.0	6.55	125	7.42	Yellow/ none
Sampled										
114–PZ-66WR-83.0-20230922										

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: Dec23-Bedrock	

Sample Information

Sample ID:	114-MW53C-47.5-20231219	Date:	12/19/2023 12:25:00 PM
Well ID:	114-MW53C	Location Type:	MW
Duplicate ID:		Sampler:	WallgrenB
Equipment:			
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:	0.1 ppm		

Well Inspection

Well Located?	Yes	Well Diameter:	
Pad Condition:		Well Action Needed?	
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:		Lid Type:	
Cap Condition:		Well Labeled?	
Notes:			

Water Level

Date:	12/19/2023 11:15:00 AM	Measured Well Depth:	50.00
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	6.62	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	12/19/2023 11:40:00 AM	End Date and Time:	12/19/2023 12:20:00 PM
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Project #:

Site: Garfield Avenue group of sites

Event: Dec23-Bedrock

Sample Information			
Sample ID:	114-MW53C-47.5-20231219	Date:	12/19/2023 12:25:00 PM
Well ID:	114-MW53C	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)
11:45 AM	131.9	0.6	7.24	3.059	13.9	2.58	6.8	150	0.75	0.75
11:50 AM	116.4	0.33	7.36	3.091	14.6	2.37	6.8	150	0.75	1.5
11:55 AM	108.1	0.25	7.32	3.145	14.8	3.02	6.8	150	0.75	2.25
12:00 PM	102.3	0.48	7.31	3.16	14.7	4.77	6.8	150	0.75	3
12:05 PM	98.9	0.28	7.31	3.148	14.7	4.34	6.8	150	0.75	3.75
12:10 PM	101.2	0.24	7.27	3.126	14.7	4.13	6.8	150	0.75	4.5
12:15 PM	97.8	0.24	7.31	3.116	14.5	4.17	6.8	150	0.75	5.25
12:20 PM	94.3	0.22	7.32	3.095	14.5	4.19	6.8	150	0.75	6

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: Dec23-Bedrock	

Sample Information

Sample ID:	114-MW57C-71-20231219	Date:	12/19/2023 9:30:00 AM
Well ID:	114-MW57C	Location Type:	MW
Duplicate ID:		Sampler:	WallgrenB
Equipment:			
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:	0.3 ppm - water level measured to top of outside casing. Inner casing too shallow to read. MSMSD & DUP collected		

Well Inspection

Well Located?	Yes	Well Diameter:	
Pad Condition:		Well Action Needed?	
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:		Lid Type:	
Cap Condition:		Well Labeled?	
Notes:			

Water Level

Date:	12/19/2023 8:00:00 AM	Measured Well Depth:	74.00
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	6.44	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	12/19/2023 8:30:00 AM	End Date and Time:	12/19/2023 9:25:00 AM
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Site: Garfield Avenue group of sites

Project #:

Event: Dec23-Bedrock

Sample Information			
Sample ID:	114-MW57C-71-20231219	Date:	12/19/2023 9:30:00 AM
Well ID:	114-MW57C	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)
8:35 AM	-14.1	1.89	7.59	1.601	14.6	7.98	6.6	200	1	1
8:40 AM	-5.2	2.08	7.67	1.61	14.3	5.46	6.6	150	0.75	1.75
8:45 AM	-0.2	1.7	7.72	1.626	14.4	4.28	6.6	150	0.75	2.5
8:50 AM	3.8	1.63	7.75	1.636	14.3	5.02	6.6	150	0.75	3.25
8:55 AM	3.9	1.71	7.79	1.643	14.4	5.28	6.6	150	0.75	4
9:00 AM	8.6	1.55	7.79	1.644	14.3	5.37	6.6	150	0.75	4.75
9:05 AM	10	1.43	7.8	1.647	14.2	6.18	6.6	150	0.75	5.5
9:10 AM	12.2	1.33	7.82	1.646	14.3	5.93	6.6	150	0.75	6.25
9:15 AM	12.2	1.27	7.84	1.646	14.4	5.27	6.6	150	0.75	7
9:20 AM	11.8	1.21	7.86	1.646	14.4	5.16	6.6	150	0.75	7.75
9:25 AM	13.3	1.13	7.88	1.641	14.7	5.16	6.6	150	0.75	8.5

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: Dec23-Bedrock	

Sample Information

Sample ID:	114-MW61D-136.0-20231219	Date:	12/19/2023 11:05:00 AM
Well ID:	114-MW61D	Location Type:	MW
Duplicate ID:		Sampler:	DietzA
Equipment:	Field param meter: YSI PRO QUATRO # 21K103651 WL/int meter: Geotech WLM # 8091AL		
Analysis:	Cr+6,Eh,pH(Unfiltered and Filtered),TCr(Unfiltered and Filtered),TOC,Sulfate, Fe,Mn(Filtered)		
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:	PID: 0.0. Analysis: total cr; cr6+; TOC; SO4; FE (2 FF)		

Well Inspection

Well Located?	Yes	Well Diameter:	6
Pad Condition:		Well Action Needed?	No No No No
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:	good good good good	Lid Type:	
Cap Condition:		Well Labeled?	yes yes yes yes
Notes:			

Water Level

Date:	12/19/2023 8:45:00 AM	Measured Well Depth:	137.90
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	8.09	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	12/19/2023 8:45:00 AM	End Date and Time:	12/19/2023 11:00:00 AM
Initial Pump Depth:	136	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: Dec23-Bedrock	

Sample Information

Sample ID:	114-MW61D-136.0-20231219	Date:	12/19/2023 11:05:00 AM
Well ID:	114-MW61D	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)
8:50 AM	-129.9	3.02	8.77	0.4775	15.3	99999	9.41	150		
8:55 AM	-150.9	2.38	8.71	0.4726	14.5	99999	9.75	150		
9:00 AM	-164.1	2.47	8.71	0.4581	13.8	99999	10.66	150		
9:05 AM	-155.8	1.8	8.73	0.454	13.7	969	11.46	150		
9:10 AM	-175.9	1.02	8.81	0.4519	13.7	729	12.12	150		
9:15 AM	-186.6	1	8.86	0.4441	13.7	487	12.86	150		
9:20 AM	-191.8	1	8.92	0.4378	13.8	391	13.43	150		
9:25 AM	-196.4	0.97	8.98	0.4311	13.9	309	14.08	150		
9:30 AM	-198.8	0.93	9.05	0.4256	14	210	14.81	150		
9:35 AM	-189.2	1.02	9	0.4207	13.9	161	15.6	150		
9:40 AM	-194.3	0.85	9.09	0.4204	13.9	114	16.11	150		
9:45 AM	-198.1	0.78	9.06	0.4136	13.9	114	16.75	150		
9:50 AM	-197.7	0.75	9.02	0.411	13.6	95.4	17.31	150		
9:55 AM	-199.3	0.7	9.07	0.4081	13.7	86.8	18.05	150		
10:00 AM	-201.7	0.64	9.09	0.405	13.8	77.3	18.63	150		
10:05 AM	-203.3	0.59	9.07	0.4007	14	62.1	19.28	150		
10:10 AM	-206.2	0.57	9.12	0.4036	14.2	61.6	19.96	150		
10:15 AM	-207	0.55	9.1	0.4038	14.2	60.9	20.59	150		
10:20 AM	-207.9	0.52	9.08	0.4041	14.2	60.1	21.12	150		
10:25 AM	-207.1	0.5	9.07	0.4001	14	57.2	21.77	150		
10:30 AM	-206.4	0.49	9.06	0.399	13.9	52.5	22.4	150		
10:35 AM	-208.6	0.48	9.04	0.3974	13.9	50.5	22.96	150		
10:40 AM	-208.3	0.5	9.05	0.3962	13.9	50.9	23.67	150		
10:45 AM	-208.6	0.53	9.06	0.3947	13.9	50.4	24.28	150		
10:50 AM	-214.6	0.53	9.06	0.4013	14.2	46.3	24.92	150		
10:55 AM	-215.7	0.52	9.07	0.4048	14.4	44.8	25.33	150		
11:00 AM	-215.9	0.49	9.05	0.4033	14.3	43	26	150		4.5

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: Dec23-Bedrock	

Sample Information

Sample ID:	114-MW61D-131.0-20231219	Date:	12/19/2023 2:50:00 PM
Well ID:	114-MW61D	Location Type:	MW
Duplicate ID:		Sampler:	DietzA
Equipment:	Field param meter: YSI PRO QUATRO # 21K103651 WL/int meter: Geotech WLM # 8091AL		
Analysis:	Cr+6,Eh,pH(Unfiltered and Filtered),TCr(Unfiltered and Filtered),TOC,Sulfate, Fe,Mn(Filtered)		
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:	PID: 0.0. Analysis: cr6+; total cr; SO4; TOC; Fe. (2 FF)		

Well Inspection

Well Located?	Yes	Well Diameter:	6
Pad Condition:		Well Action Needed?	No No No No
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:	good good good good	Lid Type:	
Cap Condition:		Well Labeled?	yes yes yes yes
Notes:			

Water Level

Date:	12/19/2023 11:55:00 AM	Measured Well Depth:	137.90
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	32.86	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	12/19/2023 12:00:00 PM	End Date and Time:	12/19/2023 2:45:00 PM
Initial Pump Depth:	131	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

AECOM

Client: PPG Industries

Site: Garfield Avenue group of sites

Project #:

Event: Dec23-Bedrock

Sample Information			
Sample ID:	114-MW61D-131.0-20231219	Date:	12/19/2023 2:50:00 PM
Well ID:	114-MW61D	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)
12:05 PM	-178.5	0.88	9.13	0.4005	15.8	143	33.24	150		
12:10 PM	-146.6	4.32	9.04	0.4046	14.3	122	33.71	150		
12:15 PM	-129.7	6.24	8.93	0.4021	13.6	93.8	34.19	150		
12:20 PM	-124.3	6.1	8.94	0.3995	13.6	78.9	34.95	150		
12:25 PM	-116.9	6.57	8.94	0.4007	13.3	63.6	35.49	150		
12:30 PM	-113.1	6.85	8.94	0.4002	13.2	57.7	36.08	150		
12:35 PM	-111.6	7.01	8.9	0.3998	12.8	54.6	36.53	150		
12:40 PM	-111.6	7.36	8.94	0.3988	12.5	37.7	37.18	150		
12:45 PM	-115.9	7.39	9	0.3997	13.7	33.8	37.6	150		
12:50 PM	-118.1	7.4	9.09	0.4004	14.2	29.6	38.24	150		
12:55 PM	-117.9	7.48	9	0.401	14.3	32.2	39.13	150		
1:00 PM	-117.7	7.51	8.97	0.4005	14.2	34.8	40.06	150		
1:05 PM	-112.4	7.82	8.99	0.4068	14.3	37.6	40.7	150		
1:10 PM	-110.6	7.9	8.99	0.4067	14.4	34.4	41.2	150		
1:15 PM	-105.9	8	8.97	0.4082	14.2	31.1	41.73	150		
1:20 PM	-102.8	7.98	8.94	0.4102	13.4	29.4	42.16	125		
1:25 PM	-100.5	7.99	8.89	0.4097	12.9	27.9	42.45	125		
1:30 PM	-99.3	7.98	8.88	0.409	12.4	24.2	42.55	125		
1:35 PM	-96.9	7.97	8.86	0.4089	11.6	23.9	42.68	125		
1:40 PM	97	7.92	8.87	0.4075	11.5	24.3	42.75	125		
1:45 PM	-97.1	7.82	8.88	0.4065	11.4	24.7	42.83	125		
1:50 PM	-97.3	7.71	8.92	0.4072	11.5	21.9	42.88	125		
1:55 PM	-96.6	7.64	8.93	0.4069	11.3	21.8	42.93	125		
2:00 PM	-99.7	7.66	8.98	0.404	11.2	22.1	42.98	125		
2:05 PM	-93.1	7.7	8.91	0.4023	11.5	23	43.18	125		
2:10 PM	-98.3	7.76	8.99	0.4024	11.4	19.7	43.32	125		
2:15 PM	-98.6	7.94	9	0.4033	11.3	18	43.73	125		
2:20 PM	-94.8	8.27	8.94	0.4035	11.5	18.4	44	125		
2:25 PM	-96.9	8.12	8.99	0.4011	11.7	18.1	44.26	125		
2:30 PM	-99	8	9.04	0.4	11.9	17.9	44.56	125		
2:35 PM	-97.5	8.06	9.02	0.4013	11.7	18	44.88	125		
2:40 PM	-97.1	8.2	9.01	0.4059	11.3	18.8	45.09	125		
2:45 PM	-91.2	8.39	8.94	0.4016	11	17.9	45.3	125		6

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: Dec23-Bedrock	

Sample Information

Sample ID:	114-MW61D-126.0-20231220	Date:	12/20/2023 10:45:00 AM
Well ID:	114-MW61D	Location Type:	MW
Duplicate ID:		Sampler:	DietzA
Equipment:	Field param meter: YSI PRO QUATRO # 21K103651 WL/int meter: Geotech WLM # 8091AL		
Analysis:	Cr+6,Eh,pH(Unfiltered and Filtered),TCr(Unfiltered and Filtered),TOC,Sulfate, Fe,Mn(Filtered)		
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:	PID: 0.0 ppm. Analysis: total cr; cr6+; TOC; SO4; Fe. (2 FF)		

Well Inspection

Well Located?	Yes	Well Diameter:	6
Pad Condition:		Well Action Needed?	No No No No
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:	good good good good	Lid Type:	
Cap Condition:		Well Labeled?	yes yes yes yes
Notes:			

Water Level

Date:	12/20/2023 8:10:00 AM	Measured Well Depth:	137.90
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	32.53	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	12/20/2023 8:15:00 AM	End Date and Time:	12/20/2023 10:40:00 AM
Initial Pump Depth:	126	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

AECOM

Client: PPG Industries

Project #:

Site: Garfield Avenue group of sites

Event: Dec23-Bedrock

Sample Information			
Sample ID:	114-MW61D-126.0-20231220	Date:	12/20/2023 10:45:00 AM
Well ID:	114-MW61D	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)
8:20 AM	-31.6	7.72	8.96	0.411	11.1	60.6	32.99	175		
8:25 AM	-54.9	4.19	8.79	0.3655	13.5	53.7	33.88	175		
8:30 AM	-68	3.4	8.69	0.3637	13	48.9	35.3	175		
8:35 AM	-65.3	3.07	8.66	0.3645	13	50.4	36.41	175		
8:40 AM								175		
8:45 AM	-64.5	2.87	8.76	0.3672	12.7	49.8	37.9	175		
8:50 AM	-67.5	2.85	8.83	0.3702	12.7	44.1	39.51	175		
8:55 AM	-61.3	2.72	8.76	0.3704	12.6	38.7	40.66	175		
9:00 AM	-55.8	2.65	8.76	0.3705	12.5	35.9	41.82	175		
9:05 AM	-60.9	2.67	8.83	0.37	12.8	31.9	42.65	175		
9:10 AM	-55.6	2.76	8.85	0.3709	12.8	30.6	43.7	175		
9:15 AM	-55.1	2.75	8.82	0.3741	12.1	30.1	44.51	175		
9:20 AM								175		
9:25 AM	-41.9	2.42	8.65	0.3624	10.5	29	44.46	175		
9:30 AM	-44.7	2.5	8.75	0.3665	11	27.1	45.48	175		
9:35 AM	-47.4	2.58	8.83	0.3697	11.4	26.4	46.54	175		
9:40 AM	-49.6	2.61	8.84	0.3705	11.6	25.8	47.14	175		
9:45 AM	-39.9	2.73	8.84	0.3709	10.5	25	47.74	100		
9:50 AM	-43.2	2.69	8.88	0.3732	10.6	24.4	48.33	100		
9:55 AM	-43	2.73	8.88	0.3719	10.7	23.8	48.88	100		
10:00 AM	-39.4	2.75	8.85	0.3709	10.7	23.9	49.28	100		
10:05 AM	-46.1	2.99	8.96	0.3716	11.7	23.1	49.9	100		
10:10 AM	-46.5	3.04	8.97	0.3716	11.8	23.1	50.45	100		
10:15 AM	-46.9	3.06	8.97	0.3717	11.8	23.2	50.77	100		
10:20 AM	-46.9	3.04	8.97	0.3735	11.8	22.1	51.32	100		
10:25 AM	-44.9	3.07	8.95	0.3745	11.7	19.9	51.84	125		
10:30 AM	-48.1	3.11	9	0.3742	11.9	20.5	52.29	125		
10:35 AM	-48.1	3.11	8.96	0.3766	11.9	20.1	52.72	125		
10:40 AM	-49.6	3.17	9	0.3762	11.9	19.7	53.28	125		5.5

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: Dec23-Bedrock	

Sample Information

Sample ID:	114-MW61D-121.0-20231220	Date:	12/20/2023 1:30:00 PM
Well ID:	114-MW61D	Location Type:	MW
Duplicate ID:		Sampler:	DietzA
Equipment:	Field param meter: YSI PRO QUATRO # 21K103651 WL/int meter: Geotech WLM # 8091AL		
Analysis:	Cr+6,Eh,pH(Unfiltered and Filtered),TCr(Unfiltered and Filtered),TOC,Sulfate, Fe,Mn(Filtered)		
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:	PID: 0.0 ppm. Analysis: total cr; cr6+; TOC; SO4; Fe. (2 FF)		

Well Inspection

Well Located?	Yes	Well Diameter:	6
Pad Condition:		Well Action Needed?	No No No No
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:	good good good good	Lid Type:	
Cap Condition:		Well Labeled?	yes yes yes yes
Notes:			

Water Level

Date:	12/20/2023 11:10:00 AM	Measured Well Depth:	137.90
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	57.50	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	12/20/2023 11:20:00 AM	End Date and Time:	12/20/2023 1:25:00 PM
Initial Pump Depth:	121	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: Dec23-Bedrock	

Sample Information			
Sample ID:	114-MW61D-121.0-20231220	Date:	12/20/2023 1:30:00 PM
Well ID:	114-MW61D	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)
11:25 AM	-52.1	11.67	9.05	0.3833	13	45.8	58	150		
11:30 AM	-50.9	11.9	9.05	0.3872	12.6	47.2	58.7	150		
11:35 AM	-45.4	13.61	9.02	0.389	14	39.5	59.2	200		
11:40 AM	-40.4	13.36	8.98	0.3925	14.5	38	61.1	200		
11:45 AM	-43	13.3	8.97	0.3895	14.2	37.7	62.88	200		
11:50 AM	-36.6	14.66	8.92	0.3944	13.7	34.1	63.84	200		
11:55 AM	-30.1	14.21	8.92	0.3927	13.5	30.9	64.95	200		
12:00 PM	-22.5	13.95	8.94	0.3918	13.3	27.3	66.06	200		
12:05 PM	-12.9	14.15	8.95	0.3905	13.9	24.7	67.13	200		
12:10 PM	-7.2	14.3	8.95	0.3897	14.3	23.1	68.09	200		
12:15 PM	-0.2	13.6	8.89	0.3913	14.1	19.8	69.05	200		
12:20 PM	-0.6	13.89	8.9	0.3916	14.2	19.1	70.06	200		
12:25 PM	-1.3	13.95	8.92	0.3918	14.4	18.1	71.08	200		
12:30 PM	1.7	13.9	8.87	0.396	14.1	16.4	72.08	200		
12:35 PM	1.9	14.04	8.87	0.3955	14	15.8	73.01	200		
12:40 PM	2.3	14.15	8.87	0.3947	14	15.5	73.95	200		
12:45 PM	0.7	13	8.87	0.3966	14.2	15.1	74.95	200		
12:50 PM	3.1	13.03	8.84	0.3955	13.7	15.4	75.63	125		
12:55 PM	6.2	13.08	8.81	0.3949	13.6	14.9	76.12	125		
1:00 PM	3.6	11.96	8.89	0.3994	13.5	14.5	76.45	125		
1:05 PM	0.1	11.81	8.89	0.3973	13.9	14.3	76.93	125		
1:10 PM	1.7	11.43	8.87	0.3956	13.8	14.5	77.48	125		
1:15 PM	1.3	11.61	8.9	0.3929	13.8	14.4	78.01	125		
1:20 PM	1.4	11.57	8.89	0.3985	13.9	14.3	78.48	125		
1:25 PM	-1.7	11.57	8.9	0.3988	14	14.1	79.1	125		5.5

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: Dec23-Bedrock	

Sample Information

Sample ID:	114-MW61D-117.0-20231222	Date:	12/22/2023 1:00:00 PM
Well ID:	114-MW61D	Location Type:	MW
Duplicate ID:		Sampler:	DietzA
Equipment:	Field param meter: YSI PRO QUATRO # 23G103044 WL/int meter: Geotech WLM # 8091AL		
Analysis:	Cr+6,Eh,pH(Unfiltered),TCr(Unfiltered),TOC,Sulfate, Fe,Mn(Filtered)		
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:	PID: 0.0 ppm. Analysis: total cr; cr6+; SO4; Fe; TOC.		

Well Inspection

Well Located?	Yes	Well Diameter:	6
Pad Condition:		Well Action Needed?	No No No No No
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:	good good good good good	Lid Type:	
Cap Condition:		Well Labeled?	yes yes yes yes yes
Notes:			

Water Level

Date:	12/22/2023 10:40:00 AM	Measured Well Depth:	137.90
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	27.55	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	12/22/2023 10:50:00 AM	End Date and Time:	12/22/2023 1:05:00 PM
Initial Pump Depth:	117	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Project #:

Site: Garfield Avenue group of sites

Event: Dec23-Bedrock

Sample Information			
Sample ID:	114-MW61D-117.0-20231222	Date:	12/22/2023 1:00:00 PM
Well ID:	114-MW61D	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)
10:55 AM	-42.6	8.53	9.39	0.3202	5.6	70.1	27.98	125		
11:00 AM	-39.6	8.29	9.33	0.3177	5.2	68.8	28.44	125		
11:05 AM	-44.5	4.84	9.35	0.2916	5.3	70	28.92	75		
11:10 AM	-45.3	5.11	9.34	0.2899	5.7	68.8	29.2	75		
11:15 AM	-46.7	5.27	9.33	0.2892	6	68	29.41	75		
11:20 AM	-45.3	5.86	9.32	0.285	6.4	64.2	29.67	75		
11:25 AM	-41.6	7.03	9.27	0.2844	10.7	82.6	30.18	200		
11:30 AM	-31	7.43	9.25	0.2859	10.6	81.4	31.1	200		
11:35 AM	-21.7	13.71	9.22	0.2858	10.8	74.6	32.09	200		
11:40 AM	-18.4	13.71	9.21	0.2853	10.6	64.9	33.33	200		
11:45 AM	-16.7	13.42	9.19	0.2865	11	60.1	34.48	200		
11:50 AM	-15.8	12.97	9.18	0.2884	11.4	54.3	35.6	200		
11:55 AM	-15.4	13.02	9.17	0.2889	11.3	50.2	36.78	200		
12:00 PM	-14.3	12.98	9.14	0.2895	11.7	46.6	38.01	200		
12:05 PM	-13.9	12.61	9.12	0.2903	12.4	42.4	39.2	200		
12:10 PM	-10.6	12.11	9.13	0.2908	12.4	38.3	41.68	200		
12:15 PM	-7.6	12.34	9.13	0.2897	12.1	37.1	42.99	150		
12:20 PM	-5.2	12.53	9.12	0.2877	11.7	36.7	44.5	150		
12:25 PM	-2.7		9.13	0.2872	11.8	32.6	45.48	150		
12:30 PM	1.8	12.72	9.13	0.2868	11.9	29.6	46.38	150		
12:35 PM	7	12.72	9.11	0.2847	11.7	34.9	47.38	200		
12:40 PM	8.9	12.76	9.12	0.285	11.3	32.3	48.11	150		
12:45 PM	12.2	12.78	9.14	0.2852	10.9	30.7	48.92	150		
12:50 PM	15.4	12.65	9.13	0.2848	10.9	29.6	49.55	150		
12:55 PM	16	12.71	9.14	0.286	10.9	29	50.25	150		
1:00 PM								150		
1:05 PM								150		

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: Dec23-Bedrock	

Sample Information

Sample ID:	114-MW62C-73-20231222	Date:	12/22/2023 12:20:00 PM
Well ID:	114-MW62C	Location Type:	MW
Duplicate ID:		Sampler:	WallgrenB
Equipment:			
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:	0.3 ppm		

Well Inspection

Well Located?	Yes	Well Diameter:	
Pad Condition:		Well Action Needed?	
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:		Lid Type:	
Cap Condition:		Well Labeled?	
Notes:			

Water Level

Date:	12/22/2023 11:14:00 AM	Measured Well Depth:	76.25
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	5.38	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	12/22/2023 11:25:00 AM	End Date and Time:	12/22/2023 12:15:00 PM
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: Dec23-Bedrock	

Sample Information			
Sample ID:	114-MW62C-73-20231222	Date:	12/22/2023 12:20:00 PM
Well ID:	114-MW62C	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)
11:30 AM	43.7	3.27	7.44	1.216	9.5	12.4	5.49	200	1	1
11:35 AM	60.2	1.47	7.14	1.436	9.5	4.46	5.43	200	1	2
11:40 AM	67.5	1.23	7.08	1.438	9.3	3.27	5.44	200	1	3
11:45 AM	77.2	0.96	7.04	1.466	8.9	2.45	5.44	200	1	4
11:50 AM	81	0.85	7.01	1.45	9.5	2.21	5.44	200	1	5
11:55 AM	84.4	0.73	6.98	1.453	9.8	1.54	5.44	200	1	6
12:00 PM	86.4	0.71	6.98	1.459	9.5	1.2	5.44	200	1	7
12:05 PM	89.3	0.64	6.96	1.455	9.6	0.9	5.44	200	1	8
12:10 PM	91.6	0.6	6.95	1.45	9.9	0.8	5.44	200	1	9
12:15 PM	94.1	0.58	6.95	1.457	9.2	0.83	5.44	200	1	10

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: Dec23-Bedrock	

Sample Information

Sample ID:	114-PZ-52WR-74-20231219	Date:	12/19/2023 3:40:00 PM
Well ID:	114-PZ-52WR	Location Type:	MW
Duplicate ID:		Sampler:	WallgrenB
Equipment:			
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:	7.6 ppm & FF collected		

Well Inspection

Well Located?	Yes	Well Diameter:	
Pad Condition:		Well Action Needed?	
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:		Lid Type:	
Cap Condition:		Well Labeled?	
Notes:			

Water Level

Date:	12/19/2023 1:22:00 PM	Measured Well Depth:	77.00
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	4.13	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	12/19/2023 1:30:00 PM	End Date and Time:	12/19/2023 3:35:00 PM
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries | Project #:
Site: Garfield Avenue group of sites | Event: Dec23-Bedrock

Sample Information			
Sample ID:	114-PZ-52WR-74-20231219	Date:	12/19/2023 3:40:00 PM
Well ID:	114-PZ-52WR	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)
1:35 PM	-16.8	2.58	4.83	0.877	13.2		4.35	150	0.75	0.75
1:40 PM	-133.4	0.69	4.74	2.484	13.2		4.35	150	0.75	1.5
1:45 PM	-150.3	0.61	4.73	2.467	12.9		4.35	150	0.75	2.25
1:50 PM	-165.2	0.21	4.73	2.225	13.9		5.7	150	0.75	3
1:55 PM	-174.9	0.17	4.73	1.976	13.9		6.32	150	0.75	3.75
2:00 PM	-183	0.14	4.74	1.839	14		6.87	150	0.75	4.5
2:05 PM	-186.7	0.14	4.73	1.756	13.8		7.2	150	0.75	5.25
2:10 PM	-190.7	0.18	4.75	1.718	14		7.51	150	0.75	6
2:15 PM	-193.3	0.2	4.76	1.725	14		7.76	150	0.75	6.75
2:20 PM	-197.5	0.1	4.76	1.71	13.8		7.9	150	0.75	7.5
2:25 PM	-202.3	0.08	4.78	1.585	14	966	8.1	150	0.75	8.25
2:30 PM	-202.9	0.09	4.8	1.558	13.9	825	8.2	150	0.75	9
2:35 PM	-201.2	0.08	4.8	1.552	13.9	952	8.41	150	0.75	9.75
2:40 PM	-198.4	0.08	4.8	1.453	13.5	835	8.62	150	0.75	10.5
2:45 PM	-201.4	0.09	4.8	1.485	13.7	690	8.67	150	0.75	11.25
2:50 PM	-201.9	0.09	4.8	1.457	13.5	619	8.75	150	0.75	12
2:55 PM	-205.2	0.08	4.8	1.414	13.6	521	8.8	150	0.75	12.75
3:00 PM	-201.5	0.09	4.81	1.408	13.6	351	8.72	150	0.75	13.5
3:05 PM	-203.6	0.08	4.8	1.363	13.3		8.49	150	0.75	14.25
3:10 PM	-190.7	0.1	4.77	1.389	12.7	246	7.84	150	0.75	15
3:15 PM	-195.8	0.09	4.8	1.339	13.6	310	8.18	150	0.75	15.75
3:20 PM	-202.4	0.09	4.81	1.3	13.6	364	8.66	150	0.75	16.5
3:25 PM	-203.3	0.09	4.79	1.313	13.6	871	9.04	150	0.75	17.25
3:30 PM	-201.7	0.1	4.8	1.295	13.7		9.25	150	0.75	18
3:35 PM	-200.1	0.1	4.8	1.229	13.6	945	9.38	150	0.75	18.75

GROUNDWATER SAMPLING LOG

Client: PPG Industries
Site: Garfield Avenue group of sites

Project #:
Event: Dec23-Bedrock

Sample Information			
Sample ID:	114-PZ-66WR-83-20231220	Date:	12/20/2023 9:55:00 AM
Well ID:	114-PZ-66WR	Location Type:	MW
Duplicate ID:		Sampler:	WallgrenB
Equipment:			
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:	0.3 ppm		

Well Inspection			
Well Located?	Yes	Well Diameter:	
Pad Condition:		Well Action Needed?	
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:		Lid Type:	
Cap Condition:		Well Labeled?	
Notes:			

Water Level			
Date:	12/20/2023 8:35:00 AM	Measured Well Depth:	87.50
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	6.56	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	12/20/2023 8:50:00 AM	End Date and Time:	12/20/2023 9:50:00 AM
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Project #:

Site: Garfield Avenue group of sites

Event: Dec23-Bedrock

Sample Information			
Sample ID:	114-PZ-66WR-83-20231220	Date:	12/20/2023 9:55:00 AM
Well ID:	114-PZ-66WR	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)
9:05 AM	-179.8	0.61	7.32	2.334	14.2	6.24	6.65	125	0.625	0.625
9:10 AM	-167.4	0.45	7.3	2.422	13.3	1.51	6.65	125	0.625	1.25
9:15 AM	-161.7	0.45	7.31	2.418	13.1	1.24	6.65	125	0.625	1.875
9:20 AM	-158.7	0.52	7.32	2.417	13.3	1.2	6.65	125	0.625	2.5
9:25 AM	-155.9	0.48	7.32	2.432	13.4	1.03	6.65	125	0.625	3.125
9:30 AM	-154	0.46	7.32	2.439	13.3	0.93	6.65	125	0.625	3.75
9:35 AM	-151.4	0.41	7.3	2.449	13.2	1.1	6.65	125	0.625	4.375
9:40 AM	-146.2	0.38	7.24	2.454	13.3	1.26	6.65	125	0.625	5
9:45 AM	-147.8	0.35	7.29	2.457	13.4	1.24	6.65	125	0.625	5.625
9:50 AM	-147.8	0.33	7.31	2.465	13.7	1.13	6.65	125	0.625	6.25

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-JAN-BEDROCK	

Sample Information			
Sample ID:	114-MW75WR-118.5-20240116	Date:	1/16/2024 1:35:00 PM
Well ID:	114-MW75WR	Location Type:	BH
Duplicate ID:		Sampler:	WallgrenB
Equipment:	Headspace meter: ION # 1000-1068 Field param meter: YSI Pro Plus # 3510-1327 WL/int meter: Solinst 101 # 530544		
Analysis:	Cr+6,Eh,pH(Filtered and Unfiltered),TCr(Filtered and Unfiltered),TOC,Sulfate,Ferrous Iron(Filtered)		
Comments:	0.3 ppm - FF needed		

Well Inspection			
Well Located?	Yes	Well Diameter:	
Cap/J-Plug?:		Well Action Needed?	
Lid Condition:		Well Labeled?	
Ambient PID:		Headspace PID:	
Notes:			

Water Level			
Date:	1/16/2024 9:01:00 AM	Measured Well Depth:	121.80
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	3.15	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	1/16/2024 9:25:00 AM	End Date and Time:	1/16/2024 1:30:00 PM
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

AECOM

Client: PPG Industries

Site: Garfield Avenue group of sites

Project #:

Event: 2024-JAN-BEDROCK

Sample Information			
Sample ID:	114-MW75WR-118.5-20240116	Date:	1/16/2024 1:35:00 PM
Well ID:	114-MW75WR	Location Type:	BH

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)
9:30 AM	-73.4	0.45	8.2	1.489	10.9	521	3.28	200	1	1
9:35 AM	-139.9	0.32	7.98	1.645	11.3	261	3.28	200	1	2
9:40 AM	-176.6	0.26	7.85	1.771	11.5	162	3.26	200	1	3
9:45 AM	-194.1	0.27	7.83	1.807	11.3	124	3.26	200	1	4
9:50 AM	-213.7	0.25	7.83	1.852	11.4	81.9	3.26	200	1	5
9:55 AM	-216.1	0.26	7.81	1.852	11.6	75.4	3.26	200	1	6
10:00 AM	-224.9	0.24	7.81	1.865	11.5	62.2	3.26	200	1	7
10:05 AM	-243	0.23	7.83	1.879	12	52.1	3.26	200	1	8
10:10 AM	-241.9	0.22	7.82	1.88	12.1	44.5	3.28	200	1	9
10:15 AM	-245.7	0.22	7.82	1.88	12.1	37.6	3.28	200	1	10
10:20 AM	-246.8	0.22	7.8	1.877	12	35.9	3.28	200	1	11
10:25 AM	-253.6	0.22	7.81	1.889	11.7	30	3.28	200	1	12
10:30 AM	-259.2	0.22	7.83	1.89	11.8	27.9	3.28	200	1	13
10:35 AM	-265.2	0.24	7.84	1.886	11.1	23.4	3.28	200	1	14
10:40 AM	-262.1	0.24	7.81	1.886	10.9	23.3	3.28	200	1	15
10:45 AM	-267.7	0.23	7.82	1.887	11.5	20.4	3.28	200	1	16
10:50 AM	-273.8	0.26	7.86	1.887	11.9	20.1	3.28	200	1	17
10:55 AM	-273.7	0.23	7.83	1.885	11.6	18.2	3.28	200	1	18
11:00 AM	-276.1	0.23	7.83	1.878	11.7	16.9	3.28	200	1	19
11:05 AM	-280.7	0.22	7.85	1.881	12	16.2	3.28	200	1	20
11:10 AM	-285.4	0.22	7.85	1.882	11.9	15.5	3.28	200	1	21
11:15 AM	-274	0.25	7.84	1.878	11.8	14.5	3.28	200	1	22
11:20 AM	-274	0.3	7.87	1.883	12	14.1	3.28	200	1	23
11:25 AM	-281	0.26	7.86	1.877	11.8	12.5	3.28	200	1	24
11:30 AM	-285.6	0.24	7.86	1.888	12.2	12.1	3.28	200	1	25
11:35 AM	-290.5	0.23	7.87	1.892	11.9	12.9	3.28	200	1	26
11:40 AM	-281	0.22	7.84	1.888	12.1	12.8	3.28	200	1	27
11:45 AM	-285.6	0.21	7.86	1.886	12.1	12.5	3.28	200	1	28
11:50 AM	-290.1	0.21	7.85	1.895	12.1	12.2	3.28	200	1	29
11:55 AM	-292	0.22	7.85	1.903	12	11.6	3.28	200	1	30
12:00 PM	-297.4	0.21	7.87	1.912	12.3	11.8	3.28	200	1	31
12:05 PM	-291.6	0.2	7.86	1.908	12.3	11	3.28	200	1	32
12:10 PM	-288.3	0.22	7.86	1.914	12.3	10.3	3.28	200	1	33

GROUNDWATER SAMPLING LOG

12:15 PM	-295.2	0.22	7.85	1.92	12	10.9	3.28	200	1	34
12:20 PM	-293.5	0.21	7.85	1.92	12.3	13.2	3.28	200	1	35
12:25 PM	-295.6	0.21	7.86	1.917	12.2	14	3.28	200	1	36
12:30 PM	-297.1	0.22	7.86	1.929	12.1	14.9	3.28	200	1	37
12:35 PM	-296.4	0.21	7.85	1.928	12.3	14.8	3.28	200	1	38
12:45 PM	-305.2	0.19	7.88	1.935	12.4	15.5	3.28	200	1	40
12:50 PM	-300.7	0.19	7.87	1.939	12.3	15.3	3.28	200	1	41
12:55 PM	-303.5	0.2	7.86	1.944	12.2	15.6	3.28	200	1	42
1:00 PM	-300.5	0.2	7.86	1.941	12.3	16.8	3.28	200	1	43
1:05 PM	-307.6	0.18	7.87	1.945	12.4	15.8	3.28	200	1	44
1:10 PM	-305.9	0.19	7.88	1.943	12.2	16.2	3.28	200	1	45
1:15 PM	-308.8	0.18	7.85	1.954	11.8	14	3.28	200	1	46
1:20 PM	-307.4	0.18	7.85	1.954	11.9	14.3	3.28	200	1	47
1:25 PM	-310.3	0.18	7.87	1.961	11.8	14	3.28	200	1	48
1:30 PM	-310.8	0.18	7.87	1.959	11.8	13.4	3.28	200	1	49

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-FEB-BEDROCK	

Sample Information			
Sample ID:	114-MW58C-R-84.5-20240214	Date:	2/14/2024 1:55:00 PM
Well ID:	114-MW58C-R	Location Type:	BH
Duplicate ID:	114-MW58C-R-84.5-20240214-X	Sampler:	WallgrenB
Equipment:	Headspace meter: MiniRAE 3000 # 592-917162 Field param meter: YSI Pro Quatro # WL/int meter: Solinst 101 # 25667		
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:			

Well Inspection			
Well Located?	Yes	Well Diameter:	
Pad Condition:		Well Action Needed?	
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:		Lid Type:	
Cap Condition:		Well Labeled?	
Notes:			

Water Level			
Date:	2/14/2024 11:41:00 AM	Measured Well Depth:	86.36
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	3.48	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	2/14/2024 11:55:00 AM	End Date and Time:	2/14/2024 1:50:00 PM
Initial Pump Depth:	84.5	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

AECOM

Client: PPG Industries

Project #:

Site: Garfield Avenue group of sites

Event: 2024-FEB-BEDROCK

Sample Information			
Sample ID:	114-MW58C-R-84.5-20240214	Date:	2/14/2024 1:55:00 PM
Well ID:	114-MW58C-R	Location Type:	BH

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)
12:00 PM	-432.6	7.33	12.56	3.109	8.8	26	3.54	180	0.9	0.9
12:05 PM	-441.9	5.01	12.49	3.543	10.1	13.9	3.61	180	0.9	1.8
12:10 PM								180	0.9	2.7
12:15 PM	-440.5	4.45	12.68	3.864	11.4	5.4	3.85	180	0.9	2.7
12:20 PM	-444.9	3.12	12.54	4.053	12	12.7	3.88	180	0.9	3.6
12:25 PM	-448.3	2.91	12.61	4.187	12.4	25.5	3.88	180	0.9	4.5
12:30 PM	-452.8	2.77	12.67	4.507	11.5	23.3	3.9	180	0.9	5.4
12:35 PM	-452.6	2.62	9.4	4.614	9.4	26.7	3.65	180	0.9	6.3
12:40 PM	-454.1	2.38	12.61	4.917	10.3	81.6	3.68	180	0.9	7.2
12:45 PM	-457.1	2.29	12.9	5.06	10.7	33.3	3.7	180	0.9	8.1
12:50 PM	-460.5	2.08	12.75	5.14	11.1	20.9	3.74	180	0.9	9
12:55 PM	-464.1	1.84	12.7	5.19	11.7	16	3.74	180	0.9	9.9
1:00 PM	-468.5	1.72	12.72	5.37	11.8	13.6	3.77	180	0.9	10.8
1:05 PM	-472.9	1.48	12.72	5.6	12.2	5.47	3.82	180	0.9	11.7
1:10 PM	-477.2	1.23	12.8	5.9	12	3.02	3.82	180	0.9	12.6
1:15 PM	-482	1.04	12.75	6.34	11.9	7.3	3.78	180	0.9	13.5
1:20 PM	-493.1	0.88	12.8	6.68	12	5.98	3.87	180	0.9	14.4
1:25 PM	-500.8	0.75	12.87	7.2	12	3.94	3.89	180	0.9	15.3
1:30 PM	-460.5	2.08	12.75	5.14	11.1	3.41	3.89	180	0.9	16.2
1:35 PM	-507.5	0.57	12.81	7.84	12.1	3.59	3.89	180	0.9	17.1
1:40 PM	-509	0.51	12.85	8.29	12.1	3.45	3.88	180	0.9	18
1:45 PM	-511.6	0.49	12.78	8.34	12.2	3.32	3.86	180	0.9	18.9
1:50 PM	-515.2	0.46	12.88	8.34	12.1	3.51	3.83	180	0.9	19.8

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-FEB-BEDROCK	

Sample Information

Sample ID:	114-MW60C-R-117.5-20240214	Date:	2/14/2024 10:05:00 AM
Well ID:	114-MW60C-R	Location Type:	BH
Duplicate ID:		Sampler:	WallgrenB
Equipment:	Headspace meter: MiniRAE 3000 # 592-917162 Field param meter: YSI Pro Quatro # 22J103525 WL/int meter: Solinst 101 # 25667		
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:			

Well Inspection

Well Located?	Yes	Well Diameter:	2
Pad Condition:		Well Action Needed?	No
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:	good	Lid Type:	
Cap Condition:		Well Labeled?	no
Notes:			

Water Level

Date:	2/14/2024 8:51:00 AM	Measured Well Depth:	118.35
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	3.76	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	2/14/2024 9:20:00 AM	End Date and Time:	2/14/2024 10:00:00 AM
Initial Pump Depth:	117.5	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Project #:

Site: Garfield Avenue group of sites

Event: 2024-FEB-BEDROCK

Sample Information			
Sample ID:	114-MW60C-R-117.5-20240214	Date:	2/14/2024 10:05:00 AM
Well ID:	114-MW60C-R	Location Type:	BH

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)
9:25 AM	-442.6	1.22	12.55	5.83	12.6	19.3	4.14	180	0.9	0.9
9:30 AM	-476.1	0.95	12.65	6.11	12.7	14	4.18	180	0.9	1.8
9:35 AM	-499.8	0.74	12.62	6.89	12.9	17.5	4.18	180	0.9	2.7
9:40 AM	-515.6	0.63	12.69	7.16	13.1	12.6	4.18	180	0.9	3.6
9:45 AM	-529.5	0.55	12.46	7.22	12.9	10.1	4.18	180	0.9	4.5
9:50 AM	-536.9	0.45	12.6	7.3	13.3	5.65	4.26	180	0.9	5.4
9:55 AM	-539.6	0.43	12.7	7.33	13.2	5.79	4.28	180	0.9	6.3
10:00 AM	-541.8	0.4	12.72	7.32	13.4	5.97	4.26	180	0.9	7.2

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-MAR-BEDROCK	

Sample Information

Sample ID:		Date:	
Well ID:	114-MW53C	Location Type:	MW
Duplicate ID:		Sampler:	Joyce Franco
Equipment:			
Analysis:			
Comments:			

Well Inspection

Well Located?	Yes	Well Diameter:	
Cap/J-Plug?:	yes	Well Action Needed?	No
Lid Condition:	good	Well Labeled?	yes
Ambient PID:	0 (ppmv)	Headspace PID:	0 (ppmv)
Notes:			

Water Level

Date:	3/19/2024 1:19:00 PM	Measured Well Depth:	NM
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	6.20	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	3/19/2024 1:35:00 PM	End Date and Time:	3/19/2024 3:00:00 PM
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Site: Garfield Avenue group of sites

Project #:

Event: 2024-MAR-BEDROCK

Sample Information			
Sample ID:		Date:	
Well ID:	114-MW53C	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)
1:40 PM	51.7	4.94	7.29	1.8020	11.7	194.00	6.20	155	0.750	0.750
1:45 PM	35.4	2.62	7.19	2.5140	12.7	92.30	6.23	150	0.750	1.500
1:50 PM	32.5	1.96	7.19	2.5280	12.5	80.00	6.23	150	0.750	2.250
1:55 PM	30.4	1.19	7.19	2.5410	12.7	55.10	6.23	150	0.750	3.000
2:00 PM	27.9	1.18	7.21	2.5370	12.7	37.10	6.23	150	0.750	3.750
2:05 PM	27.4	6.70	7.20	2.5460	12.4	30.00	6.23	145	0.750	4.500
2:10 PM	26.0	6.39	7.21	2.5330	12.4	26.50	6.23	145	0.750	5.250
2:15 PM	23.4	6.30	7.21	2.5290	12.1	25.20	6.23	150	0.750	6.000
2:20 PM	22.0	5.92	7.21	2.5200	12.0	20.60	6.23	150	0.750	6.750
2:25 PM	21.6	5.87	7.21	2.5140	12.0	18.50	6.23	150	0.750	7.500
2:30 PM	21.2	5.97	7.19	2.5350	11.5	19.10	6.23	150	0.750	8.250
2:35 PM	21.0	5.83	7.19	2.5230	10.2	15.00	6.23	150	0.750	9.000
2:40 PM	20.1	5.61	7.21	2.5120	9.6	14.30	6.23	150	0.750	9.750
2:45 PM	19.2	5.74	7.21	2.5230	9.5	10.00	6.23	150	0.750	10.500
2:50 PM	19.3	5.65	7.22	2.5170	9.4	9.98	6.23	150	0.750	11.250
2:55 PM	20.3	5.63	7.22	2.5080	9.3	9.92	6.23	150	0.750	12.000
3:00 PM	20.9	5.59	7.23	2.5100	9.4	9.95	6.23	150	0.750	12.750

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-MAR-BEDROCK	

Sample Information			
Sample ID:	114-MW57C-71.0-20240319	Date:	3/19/2024 11:20:00 AM
Well ID:	114-MW57C	Location Type:	MW
Duplicate ID:	114-MW57C-71.0-20240319-X MS/MSD COLLECTED	Sampler:	Joyce Franco
Equipment:	Headspace meter: MiniRAE 3000 # 5920000212 Field param meter: YSI ProQuatro # 22H104803 WL/int meter: Geotech WLM # 8076AL		
Analysis:	Cr+6,Eh,pH(Unfiltered),TCr(Unfiltered),TOC,Sulfate, Ferrous Iron(Filtered)		
Comments:	Hex Cr,total Cr; TOC; dissolved ferrous iron, sulfate		

Well Inspection			
Well Located?	Yes	Well Diameter:	
Cap/J-Plug?:	yes	Well Action Needed?	No
Lid Condition:	good	Well Labeled?	yes
Ambient PID:	0 (ppmv)	Headspace PID:	0 (ppmv)
Notes:			

Water Level			
Date:	3/19/2024 9:11:00 AM	Measured Well Depth:	72.56
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	6.05	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	3/19/2024 10:00:00 AM	End Date and Time:	3/19/2024 11:15:00 AM
Initial Pump Depth:	71	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Project #:

Site: Garfield Avenue group of sites

Event: 2024-MAR-BEDROCK

Sample Information			
Sample ID:	114-MW57C-71.0-20240319	Date:	3/19/2024 11:20:00 AM
Well ID:	114-MW57C	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)
10:00 AM	67.6	8.11	6.88	0.8660	12.1	6.86	6.25	165	1.000	1.000
10:05 AM	55.4	9.31	7.19	1.2570	11.8	5.01	6.25	160	0.750	1.750
10:10 AM	51.9	9.27	7.18	1.2990	11.9	4.50	6.25	160	0.750	2.500
10:15 AM	61.4	8.00	7.12	1.3020	9.0	3.99	6.25	155	0.750	3.250
10:20 AM	46.0	1.66	7.71	1.2970	8.8	3.78	6.25	155	0.750	4.000
10:25 AM	44.9	1.24	7.73	1.3000	9.2	3.92	6.25	150	0.750	4.750
10:30 AM	43.4	1.26	7.74	1.3000	10.0	3.90	6.25	150	0.750	5.500
10:35 AM	39.0	1.22	7.77	1.2940	10.2	3.87	6.25	150	0.750	6.250
10:40 AM	36.0	1.05	7.79	1.3120	11.1	3.70	6.25	150	0.750	7.000
10:45 AM	29.5	0.64	7.82	1.3540	11.1	3.35	6.25	150	0.750	7.750
10:50 AM	26.1	2.78	7.85	1.3800	11.5	3.18	6.25	150	0.750	8.500
10:55 AM	24.5	2.60	7.86	1.3790	11.5	2.85	6.25	150	0.750	9.250
11:00 AM	23.1	2.65	7.87	1.3780	11.5	2.77	6.25	150	0.750	10.000
11:05 AM	21.9	2.60	7.88	1.3950	11.6	2.77	6.25	150	0.750	10.750
11:10 AM	20.8	2.63	7.88	1.4050	11.5	2.80	6.25	150	0.750	11.500
11:15 AM	19.6	2.62	7.88	1.4150	11.5	2.87	6.25	150	0.750	12.250

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-MAR-BEDROCK	

Sample Information

Sample ID:	114-MW61D-117.0-20240318	Date:	3/18/2024 10:00:00 AM
Well ID:	114-MW61D	Location Type:	MW
Duplicate ID:		Sampler:	WallgrenB
Equipment:			
Analysis:	Cr+6,Eh,pH(Unfiltered),TCr(Unfiltered),TOC,Sulfate, Ferrous Iron(Filtered)		
Comments:			

Well Inspection

Well Located?	Yes	Well Diameter:	6
Cap/J-Plug?:		Well Action Needed?	
Lid Condition:		Well Labeled?	
Ambient PID:	0 (ppmv) 0 (ppmv) 0 (ppmv) 0 (ppmv) 0 (ppmv)	Headspace PID:	0 (ppmv) 0 (ppmv) 0 (ppmv) 0.4 (ppmv) 0.4 (ppmv)
Notes:			

Water Level

Date:	3/18/2024 8:40:00 AM	Measured Well Depth:	139.50
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	8.35	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	3/18/2024 9:02:00 AM	End Date and Time:	3/18/2024 9:55:00 AM
Initial Pump Depth:	117	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method:	
Notes:			

AECOM

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Site: Garfield Avenue group of sites

Project #:

Event: 2024-MAR-BEDROCK

Sample Information			
Sample ID:	114-MW61D-117.0-20240318	Date:	3/18/2024 10:00:00 AM
Well ID:	114-MW61D	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)
9:05 AM	139.1	0.63	8.70	0.3622	12.8	9.50	8.37			
9:10 AM	103.3	0.41	8.75	0.3572	12.3	12.00	8.67	175	0.875	1.750
9:15 AM	87.7	0.28	8.76	0.3538	12.9	10.60	10.12	175	0.875	2.625
9:20 AM	75.6	0.23	8.77	0.3524	13.3	9.37	11.30	175	0.875	3.500
9:25 AM	65.7	0.18	8.77	0.3489	13.5	8.24	12.77	175	0.875	4.375
9:30 AM	57.1	0.15	8.77	0.3485	13.7	6.87	14.81	175	0.875	5.250
9:35 AM	52.2	0.13	8.77	0.3476	13.4	6.52	16.29	175	0.875	6.125
9:40 AM	50.2	0.12	8.77	0.3457	13.2	5.59	17.40	175	0.875	7.000
9:45 AM	45.0	0.10	8.76	0.3424	13.3	5.23	19.37	175	0.875	7.875
9:50 AM	41.0	0.09	8.76	0.3400	13.3	4.95	21.10	175	0.875	8.750
9:55 AM	37.2	0.09	8.76	0.3390	13.0	4.97	22.79	175	0.875	
10:30 AM	117.4	2.64	8.78	0.3560	11.9	7.79	27.52	125	0.625	0.625
10:35 AM	72.7	0.52	8.80	0.3545	13.0	8.98	28.50	125	0.625	1.250
10:40 AM	60.1	0.35	8.80	0.3543	13.8	9.31	29.38	125	0.625	1.875
10:45 AM	50.7	0.29	8.80	0.3535	14.2	9.94	30.33	125	0.625	2.500
10:50 AM	46.5	0.25	8.79	0.3518	14.0	9.17	31.25	125	0.625	3.125
10:55 AM	44.9	0.24	8.78	0.3495	14.3	9.43	32.13	125	0.625	3.750
11:00 AM	43.8	0.25	8.78	0.3490	13.7	8.06	33.07	125	0.625	4.375
11:05 AM	42.4	0.23	8.77	0.3474	14.0	7.44	33.90	125	0.625	5.000
11:10 AM	40.7	0.21	8.77	0.3437	14.3	6.64	34.67	125	0.625	5.625
11:15 AM	40.4	0.23	8.77	0.3456	14.2	6.15	35.55	125	0.625	6.250
11:20 AM	38.7	0.23	8.76	0.3416	14.0	6.01	36.17	125	0.625	6.875
12:25 PM	102.7	0.63	8.75	0.3588	13.5	6.59	39.89	125	0.625	0.625
12:30 PM	73.0	0.45	8.79	0.3523	14.2	5.86	40.53	125	0.625	
12:35 PM	57.7	0.35	8.80	0.3534	13.3	5.60	41.45	125	0.625	
12:40 PM	51.1	0.31	8.80	0.3508	13.7	5.18	42.12	125	0.625	
12:45 PM	47.4	0.28	8.80	0.3532	13.6	5.80	43.00	125	0.625	
12:50 PM	45.8	0.27	8.79	0.3529	13.3	5.56	43.65	125	0.625	
12:55 PM	44.5	0.26	8.79	0.3507	13.1	5.50	44.42	125	0.625	
8:40 AM	150.0	0.57	8.74	0.3430	12.4	14.10	30.95	200	1.000	1.000
8:45 AM	123.8	0.44	8.80	0.3383	12.4	13.20	32.38	200	1.000	2.000
8:50 AM	110.7	0.34	8.80	0.3351	12.4	10.10	33.77	200	1.000	3.000
8:55 AM	97.6	0.30	8.80	0.3304	12.4	11.50	35.22	200	1.000	4.000

GROUNDWATER SAMPLING LOG

9:00 AM	88.4	0.29	8.80	0.3305	12.2	9.98	36.75	200	1.000	5.000
9:05 AM	82.2	0.28	8.80	0.3298	12.1	9.92	38.15	200	1.000	6.000
9:10 AM	78.2	0.27	8.80	0.3274	12.4	9.26	39.35	200	1.000	
9:45 AM	44.1	0.18	8.69	0.3858	13.0	24.50	45.60	200	1.000	1.000
9:50 AM	40.4	0.17	8.71	0.3767	13.0	21.50	46.26	200	1.000	2.000
9:55 AM	38.8	0.18	8.76	0.3484	12.4	14.30	47.94	200	1.000	3.000
10:00 AM	44.8	0.22	8.78	0.3292	12.5	9.97	49.07	200	1.000	4.000
10:05 AM	53.4	0.25	8.79	0.3336	12.7	9.06	50.55	200	1.000	5.000
10:10 AM	54.2	0.25	8.79	0.3321	12.9	8.89	51.55	200	1.000	6.000
10:15 AM	56.0	0.25	8.79	0.3295	12.9	8.12	52.75	200	1.000	7.000

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-MAR-BEDROCK	

Sample Information

Sample ID:	114-MW61D-121.0-20240318	Date:	3/18/2024 11:25:00 AM
Well ID:	114-MW61D	Location Type:	MW
Duplicate ID:		Sampler:	WallgrenB
Equipment:			
Analysis:	Cr+6,Eh,pH(Unfiltered),TCr(Unfiltered),TOC,Sulfate, Ferrous Iron(Filtered)		
Comments:			

Well Inspection

Well Located?	Yes	Well Diameter:	6
Cap/J-Plug?:		Well Action Needed?	
Lid Condition:		Well Labeled?	
Ambient PID:	0 (ppmv) 0 (ppmv) 0 (ppmv) 0 (ppmv) 0 (ppmv)	Headspace PID:	0 (ppmv) 0 (ppmv) 0 (ppmv) 0.4 (ppmv) 0.4 (ppmv)
Notes:			

Water Level

Date:	3/18/2024 10:18:00 AM	Measured Well Depth:	139.50
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	26.32	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	3/18/2024 10:25:00 AM	End Date and Time:	3/18/2024 11:20:00 AM
Initial Pump Depth:	121	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

AECOM

Client: PPG Industries

Site: Garfield Avenue group of sites

Project #:

Event: 2024-MAR-BEDROCK

Sample Information			
Sample ID:	114-MW61D-121.0-20240318	Date:	3/18/2024 11:25:00 AM
Well ID:	114-MW61D	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)
9:05 AM	139.1	0.63	8.70	0.3622	12.8	9.50	8.37			
9:10 AM	103.3	0.41	8.75	0.3572	12.3	12.00	8.67	175	0.875	1.750
9:15 AM	87.7	0.28	8.76	0.3538	12.9	10.60	10.12	175	0.875	2.625
9:20 AM	75.6	0.23	8.77	0.3524	13.3	9.37	11.30	175	0.875	3.500
9:25 AM	65.7	0.18	8.77	0.3489	13.5	8.24	12.77	175	0.875	4.375
9:30 AM	57.1	0.15	8.77	0.3485	13.7	6.87	14.81	175	0.875	5.250
9:35 AM	52.2	0.13	8.77	0.3476	13.4	6.52	16.29	175	0.875	6.125
9:40 AM	50.2	0.12	8.77	0.3457	13.2	5.59	17.40	175	0.875	7.000
9:45 AM	45.0	0.10	8.76	0.3424	13.3	5.23	19.37	175	0.875	7.875
9:50 AM	41.0	0.09	8.76	0.3400	13.3	4.95	21.10	175	0.875	8.750
9:55 AM	37.2	0.09	8.76	0.3390	13.0	4.97	22.79	175	0.875	
10:30 AM	117.4	2.64	8.78	0.3560	11.9	7.79	27.52	125	0.625	0.625
10:35 AM	72.7	0.52	8.80	0.3545	13.0	8.98	28.50	125	0.625	1.250
10:40 AM	60.1	0.35	8.80	0.3543	13.8	9.31	29.38	125	0.625	1.875
10:45 AM	50.7	0.29	8.80	0.3535	14.2	9.94	30.33	125	0.625	2.500
10:50 AM	46.5	0.25	8.79	0.3518	14.0	9.17	31.25	125	0.625	3.125
10:55 AM	44.9	0.24	8.78	0.3495	14.3	9.43	32.13	125	0.625	3.750
11:00 AM	43.8	0.25	8.78	0.3490	13.7	8.06	33.07	125	0.625	4.375
11:05 AM	42.4	0.23	8.77	0.3474	14.0	7.44	33.90	125	0.625	5.000
11:10 AM	40.7	0.21	8.77	0.3437	14.3	6.64	34.67	125	0.625	5.625
11:15 AM	40.4	0.23	8.77	0.3456	14.2	6.15	35.55	125	0.625	6.250
11:20 AM	38.7	0.23	8.76	0.3416	14.0	6.01	36.17	125	0.625	6.875
12:25 PM	102.7	0.63	8.75	0.3588	13.5	6.59	39.89	125	0.625	0.625
12:30 PM	73.0	0.45	8.79	0.3523	14.2	5.86	40.53	125	0.625	
12:35 PM	57.7	0.35	8.80	0.3534	13.3	5.60	41.45	125	0.625	
12:40 PM	51.1	0.31	8.80	0.3508	13.7	5.18	42.12	125	0.625	
12:45 PM	47.4	0.28	8.80	0.3532	13.6	5.80	43.00	125	0.625	
12:50 PM	45.8	0.27	8.79	0.3529	13.3	5.56	43.65	125	0.625	
12:55 PM	44.5	0.26	8.79	0.3507	13.1	5.50	44.42	125	0.625	
8:40 AM	150.0	0.57	8.74	0.3430	12.4	14.10	30.95	200	1.000	1.000
8:45 AM	123.8	0.44	8.80	0.3383	12.4	13.20	32.38	200	1.000	2.000
8:50 AM	110.7	0.34	8.80	0.3351	12.4	10.10	33.77	200	1.000	3.000
8:55 AM	97.6	0.30	8.80	0.3304	12.4	11.50	35.22	200	1.000	4.000

GROUNDWATER SAMPLING LOG

9:00 AM	88.4	0.29	8.80	0.3305	12.2	9.98	36.75	200	1.000	5.000
9:05 AM	82.2	0.28	8.80	0.3298	12.1	9.92	38.15	200	1.000	6.000
9:10 AM	78.2	0.27	8.80	0.3274	12.4	9.26	39.35	200	1.000	
9:45 AM	44.1	0.18	8.69	0.3858	13.0	24.50	45.60	200	1.000	1.000
9:50 AM	40.4	0.17	8.71	0.3767	13.0	21.50	46.26	200	1.000	2.000
9:55 AM	38.8	0.18	8.76	0.3484	12.4	14.30	47.94	200	1.000	3.000
10:00 AM	44.8	0.22	8.78	0.3292	12.5	9.97	49.07	200	1.000	4.000
10:05 AM	53.4	0.25	8.79	0.3336	12.7	9.06	50.55	200	1.000	5.000
10:10 AM	54.2	0.25	8.79	0.3321	12.9	8.89	51.55	200	1.000	6.000
10:15 AM	56.0	0.25	8.79	0.3295	12.9	8.12	52.75	200	1.000	7.000

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-MAR-BEDROCK	

Sample Information			
Sample ID:	114-MW61D-126.0-20240318	Date:	3/18/2024 1:00:00 PM
Well ID:	114-MW61D	Location Type:	MW
Duplicate ID:		Sampler:	WallgrenB
Equipment:			
Analysis:	Cr+6,Eh,pH(Unfiltered),TCr(Unfiltered),TOC,Sulfate, Ferrous Iron(Filtered)		
Comments:			

Well Inspection			
Well Located?	Yes	Well Diameter:	6
Cap/J-Plug?:		Well Action Needed?	
Lid Condition:		Well Labeled?	
Ambient PID:	0 (ppmv) 0 (ppmv) 0 (ppmv) 0 (ppmv) 0 (ppmv)	Headspace PID:	0 (ppmv) 0 (ppmv) 0 (ppmv) 0.4 (ppmv) 0.4 (ppmv)
Notes:			

Water Level			
Date:	3/18/2024 12:12:00 PM	Measured Well Depth:	139.50
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	38.36	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	3/18/2024 12:20:00 PM	End Date and Time:	3/18/2024 12:55:00 PM
Initial Pump Depth:	126	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Site: Garfield Avenue group of sites

Project #:

Event: 2024-MAR-BEDROCK

Sample Information			
Sample ID:	114-MW61D-126.0-20240318	Date:	3/18/2024 1:00:00 PM
Well ID:	114-MW61D	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)
9:05 AM	139.1	0.63	8.70	0.3622	12.8	9.50	8.37			
9:10 AM	103.3	0.41	8.75	0.3572	12.3	12.00	8.67	175	0.875	1.750
9:15 AM	87.7	0.28	8.76	0.3538	12.9	10.60	10.12	175	0.875	2.625
9:20 AM	75.6	0.23	8.77	0.3524	13.3	9.37	11.30	175	0.875	3.500
9:25 AM	65.7	0.18	8.77	0.3489	13.5	8.24	12.77	175	0.875	4.375
9:30 AM	57.1	0.15	8.77	0.3485	13.7	6.87	14.81	175	0.875	5.250
9:35 AM	52.2	0.13	8.77	0.3476	13.4	6.52	16.29	175	0.875	6.125
9:40 AM	50.2	0.12	8.77	0.3457	13.2	5.59	17.40	175	0.875	7.000
9:45 AM	45.0	0.10	8.76	0.3424	13.3	5.23	19.37	175	0.875	7.875
9:50 AM	41.0	0.09	8.76	0.3400	13.3	4.95	21.10	175	0.875	8.750
9:55 AM	37.2	0.09	8.76	0.3390	13.0	4.97	22.79	175	0.875	
10:30 AM	117.4	2.64	8.78	0.3560	11.9	7.79	27.52	125	0.625	0.625
10:35 AM	72.7	0.52	8.80	0.3545	13.0	8.98	28.50	125	0.625	1.250
10:40 AM	60.1	0.35	8.80	0.3543	13.8	9.31	29.38	125	0.625	1.875
10:45 AM	50.7	0.29	8.80	0.3535	14.2	9.94	30.33	125	0.625	2.500
10:50 AM	46.5	0.25	8.79	0.3518	14.0	9.17	31.25	125	0.625	3.125
10:55 AM	44.9	0.24	8.78	0.3495	14.3	9.43	32.13	125	0.625	3.750
11:00 AM	43.8	0.25	8.78	0.3490	13.7	8.06	33.07	125	0.625	4.375
11:05 AM	42.4	0.23	8.77	0.3474	14.0	7.44	33.90	125	0.625	5.000
11:10 AM	40.7	0.21	8.77	0.3437	14.3	6.64	34.67	125	0.625	5.625
11:15 AM	40.4	0.23	8.77	0.3456	14.2	6.15	35.55	125	0.625	6.250
11:20 AM	38.7	0.23	8.76	0.3416	14.0	6.01	36.17	125	0.625	6.875
12:25 PM	102.7	0.63	8.75	0.3588	13.5	6.59	39.89	125	0.625	0.625
12:30 PM	73.0	0.45	8.79	0.3523	14.2	5.86	40.53	125	0.625	
12:35 PM	57.7	0.35	8.80	0.3534	13.3	5.60	41.45	125	0.625	
12:40 PM	51.1	0.31	8.80	0.3508	13.7	5.18	42.12	125	0.625	
12:45 PM	47.4	0.28	8.80	0.3532	13.6	5.80	43.00	125	0.625	
12:50 PM	45.8	0.27	8.79	0.3529	13.3	5.56	43.65	125	0.625	
12:55 PM	44.5	0.26	8.79	0.3507	13.1	5.50	44.42	125	0.625	
8:40 AM	150.0	0.57	8.74	0.3430	12.4	14.10	30.95	200	1.000	1.000
8:45 AM	123.8	0.44	8.80	0.3383	12.4	13.20	32.38	200	1.000	2.000
8:50 AM	110.7	0.34	8.80	0.3351	12.4	10.10	33.77	200	1.000	3.000
8:55 AM	97.6	0.30	8.80	0.3304	12.4	11.50	35.22	200	1.000	4.000

GROUNDWATER SAMPLING LOG

9:00 AM	88.4	0.29	8.80	0.3305	12.2	9.98	36.75	200	1.000	5.000
9:05 AM	82.2	0.28	8.80	0.3298	12.1	9.92	38.15	200	1.000	6.000
9:10 AM	78.2	0.27	8.80	0.3274	12.4	9.26	39.35	200	1.000	
9:45 AM	44.1	0.18	8.69	0.3858	13.0	24.50	45.60	200	1.000	1.000
9:50 AM	40.4	0.17	8.71	0.3767	13.0	21.50	46.26	200	1.000	2.000
9:55 AM	38.8	0.18	8.76	0.3484	12.4	14.30	47.94	200	1.000	3.000
10:00 AM	44.8	0.22	8.78	0.3292	12.5	9.97	49.07	200	1.000	4.000
10:05 AM	53.4	0.25	8.79	0.3336	12.7	9.06	50.55	200	1.000	5.000
10:10 AM	54.2	0.25	8.79	0.3321	12.9	8.89	51.55	200	1.000	6.000
10:15 AM	56.0	0.25	8.79	0.3295	12.9	8.12	52.75	200	1.000	7.000

GROUNDWATER SAMPLING LOG

AECOM

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-MAR-BEDROCK	

Sample Information			
Sample ID:	114-MW61D-131.0-20240319	Date:	3/19/2024 9:15:00 AM
Well ID:	114-MW61D	Location Type:	MW
Duplicate ID:		Sampler:	WallgrenB
Equipment:			
Analysis:	Cr+6,Eh,pH(Unfiltered),TCr(Unfiltered),TOC,Sulfate, Ferrous Iron(Filtered)		
Comments:			

Well Inspection			
Well Located?	Yes	Well Diameter:	6
Cap/J-Plug?:		Well Action Needed?	
Lid Condition:		Well Labeled?	
Ambient PID:	0 (ppmv) 0 (ppmv) 0 (ppmv) 0 (ppmv) 0 (ppmv)	Headspace PID:	0 (ppmv) 0 (ppmv) 0 (ppmv) 0.4 (ppmv) 0.4 (ppmv)
Notes:			

Water Level			
Date:	3/19/2024 8:14:00 AM	Measured Well Depth:	139.50
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	31.66	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	3/19/2024 8:38:00 AM	End Date and Time:	3/19/2024 9:10:00 AM
Initial Pump Depth:	131	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

AECOM

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-MAR-BEDROCK	

Sample Information			
Sample ID:	114-MW61D-131.0-20240319	Date:	3/19/2024 9:15:00 AM
Well ID:	114-MW61D	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)
9:05 AM	139.1	0.63	8.70	0.3622	12.8	9.50	8.37			
9:10 AM	103.3	0.41	8.75	0.3572	12.3	12.00	8.67	175	0.875	1.750
9:15 AM	87.7	0.28	8.76	0.3538	12.9	10.60	10.12	175	0.875	2.625
9:20 AM	75.6	0.23	8.77	0.3524	13.3	9.37	11.30	175	0.875	3.500
9:25 AM	65.7	0.18	8.77	0.3489	13.5	8.24	12.77	175	0.875	4.375
9:30 AM	57.1	0.15	8.77	0.3485	13.7	6.87	14.81	175	0.875	5.250
9:35 AM	52.2	0.13	8.77	0.3476	13.4	6.52	16.29	175	0.875	6.125
9:40 AM	50.2	0.12	8.77	0.3457	13.2	5.59	17.40	175	0.875	7.000
9:45 AM	45.0	0.10	8.76	0.3424	13.3	5.23	19.37	175	0.875	7.875
9:50 AM	41.0	0.09	8.76	0.3400	13.3	4.95	21.10	175	0.875	8.750
9:55 AM	37.2	0.09	8.76	0.3390	13.0	4.97	22.79	175	0.875	
10:30 AM	117.4	2.64	8.78	0.3560	11.9	7.79	27.52	125	0.625	0.625
10:35 AM	72.7	0.52	8.80	0.3545	13.0	8.98	28.50	125	0.625	1.250
10:40 AM	60.1	0.35	8.80	0.3543	13.8	9.31	29.38	125	0.625	1.875
10:45 AM	50.7	0.29	8.80	0.3535	14.2	9.94	30.33	125	0.625	2.500
10:50 AM	46.5	0.25	8.79	0.3518	14.0	9.17	31.25	125	0.625	3.125
10:55 AM	44.9	0.24	8.78	0.3495	14.3	9.43	32.13	125	0.625	3.750
11:00 AM	43.8	0.25	8.78	0.3490	13.7	8.06	33.07	125	0.625	4.375
11:05 AM	42.4	0.23	8.77	0.3474	14.0	7.44	33.90	125	0.625	5.000
11:10 AM	40.7	0.21	8.77	0.3437	14.3	6.64	34.67	125	0.625	5.625
11:15 AM	40.4	0.23	8.77	0.3456	14.2	6.15	35.55	125	0.625	6.250
11:20 AM	38.7	0.23	8.76	0.3416	14.0	6.01	36.17	125	0.625	6.875
12:25 PM	102.7	0.63	8.75	0.3588	13.5	6.59	39.89	125	0.625	0.625
12:30 PM	73.0	0.45	8.79	0.3523	14.2	5.86	40.53	125	0.625	
12:35 PM	57.7	0.35	8.80	0.3534	13.3	5.60	41.45	125	0.625	
12:40 PM	51.1	0.31	8.80	0.3508	13.7	5.18	42.12	125	0.625	
12:45 PM	47.4	0.28	8.80	0.3532	13.6	5.80	43.00	125	0.625	
12:50 PM	45.8	0.27	8.79	0.3529	13.3	5.56	43.65	125	0.625	
12:55 PM	44.5	0.26	8.79	0.3507	13.1	5.50	44.42	125	0.625	
8:40 AM	150.0	0.57	8.74	0.3430	12.4	14.10	30.95	200	1.000	1.000
8:45 AM	123.8	0.44	8.80	0.3383	12.4	13.20	32.38	200	1.000	2.000
8:50 AM	110.7	0.34	8.80	0.3351	12.4	10.10	33.77	200	1.000	3.000
8:55 AM	97.6	0.30	8.80	0.3304	12.4	11.50	35.22	200	1.000	4.000

GROUNDWATER SAMPLING LOG

9:00 AM	88.4	0.29	8.80	0.3305	12.2	9.98	36.75	200	1.000	5.000
9:05 AM	82.2	0.28	8.80	0.3298	12.1	9.92	38.15	200	1.000	6.000
9:10 AM	78.2	0.27	8.80	0.3274	12.4	9.26	39.35	200	1.000	
9:45 AM	44.1	0.18	8.69	0.3858	13.0	24.50	45.60	200	1.000	1.000
9:50 AM	40.4	0.17	8.71	0.3767	13.0	21.50	46.26	200	1.000	2.000
9:55 AM	38.8	0.18	8.76	0.3484	12.4	14.30	47.94	200	1.000	3.000
10:00 AM	44.8	0.22	8.78	0.3292	12.5	9.97	49.07	200	1.000	4.000
10:05 AM	53.4	0.25	8.79	0.3336	12.7	9.06	50.55	200	1.000	5.000
10:10 AM	54.2	0.25	8.79	0.3321	12.9	8.89	51.55	200	1.000	6.000
10:15 AM	56.0	0.25	8.79	0.3295	12.9	8.12	52.75	200	1.000	7.000

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-MAR-BEDROCK	

Sample Information

Sample ID:	114-MW61D-136.0-20240319	Date:	3/19/2024 10:20:00 AM
Well ID:	114-MW61D	Location Type:	MW
Duplicate ID:		Sampler:	WallgrenB
Equipment:			
Analysis:	Cr+6,Eh,pH(Unfiltered),TCr(Unfiltered),TOC,Sulfate, Ferrous Iron(Filtered)		
Comments:			

Well Inspection

Well Located?	Yes	Well Diameter:	6
Cap/J-Plug?:		Well Action Needed?	
Lid Condition:		Well Labeled?	
Ambient PID:	0 (ppmv) 0 (ppmv) 0 (ppmv) 0 (ppmv) 0 (ppmv)	Headspace PID:	0 (ppmv) 0 (ppmv) 0 (ppmv) 0.4 (ppmv) 0.4 (ppmv)
Notes:			

Water Level

Date:	3/19/2024 9:31:00 AM	Measured Well Depth:	139.50
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	42.70	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	3/19/2024 9:40:00 AM	End Date and Time:	3/19/2024 10:15:00 AM
Initial Pump Depth:	136	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method:	
Notes:			

![AECOM]

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-MAR-BEDROCK	

Sample Information			
Sample ID:	114-MW61D-136.0-20240319	Date:	3/19/2024 10:20:00 AM
Well ID:	114-MW61D	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)
9:05 AM	139.1	0.63	8.70	0.3622	12.8	9.50	8.37			
9:10 AM	103.3	0.41	8.75	0.3572	12.3	12.00	8.67	175	0.875	1.750
9:15 AM	87.7	0.28	8.76	0.3538	12.9	10.60	10.12	175	0.875	2.625
9:20 AM	75.6	0.23	8.77	0.3524	13.3	9.37	11.30	175	0.875	3.500
9:25 AM	65.7	0.18	8.77	0.3489	13.5	8.24	12.77	175	0.875	4.375
9:30 AM	57.1	0.15	8.77	0.3485	13.7	6.87	14.81	175	0.875	5.250
9:35 AM	52.2	0.13	8.77	0.3476	13.4	6.52	16.29	175	0.875	6.125
9:40 AM	50.2	0.12	8.77	0.3457	13.2	5.59	17.40	175	0.875	7.000
9:45 AM	45.0	0.10	8.76	0.3424	13.3	5.23	19.37	175	0.875	7.875
9:50 AM	41.0	0.09	8.76	0.3400	13.3	4.95	21.10	175	0.875	8.750
9:55 AM	37.2	0.09	8.76	0.3390	13.0	4.97	22.79	175	0.875	
10:30 AM	117.4	2.64	8.78	0.3560	11.9	7.79	27.52	125	0.625	0.625
10:35 AM	72.7	0.52	8.80	0.3545	13.0	8.98	28.50	125	0.625	1.250
10:40 AM	60.1	0.35	8.80	0.3543	13.8	9.31	29.38	125	0.625	1.875
10:45 AM	50.7	0.29	8.80	0.3535	14.2	9.94	30.33	125	0.625	2.500
10:50 AM	46.5	0.25	8.79	0.3518	14.0	9.17	31.25	125	0.625	3.125
10:55 AM	44.9	0.24	8.78	0.3495	14.3	9.43	32.13	125	0.625	3.750
11:00 AM	43.8	0.25	8.78	0.3490	13.7	8.06	33.07	125	0.625	4.375
11:05 AM	42.4	0.23	8.77	0.3474	14.0	7.44	33.90	125	0.625	5.000
11:10 AM	40.7	0.21	8.77	0.3437	14.3	6.64	34.67	125	0.625	5.625
11:15 AM	40.4	0.23	8.77	0.3456	14.2	6.15	35.55	125	0.625	6.250
11:20 AM	38.7	0.23	8.76	0.3416	14.0	6.01	36.17	125	0.625	6.875
12:25 PM	102.7	0.63	8.75	0.3588	13.5	6.59	39.89	125	0.625	0.625
12:30 PM	73.0	0.45	8.79	0.3523	14.2	5.86	40.53	125	0.625	
12:35 PM	57.7	0.35	8.80	0.3534	13.3	5.60	41.45	125	0.625	
12:40 PM	51.1	0.31	8.80	0.3508	13.7	5.18	42.12	125	0.625	
12:45 PM	47.4	0.28	8.80	0.3532	13.6	5.80	43.00	125	0.625	
12:50 PM	45.8	0.27	8.79	0.3529	13.3	5.56	43.65	125	0.625	
12:55 PM	44.5	0.26	8.79	0.3507	13.1	5.50	44.42	125	0.625	
8:40 AM	150.0	0.57	8.74	0.3430	12.4	14.10	30.95	200	1.000	1.000
8:45 AM	123.8	0.44	8.80	0.3383	12.4	13.20	32.38	200	1.000	2.000
8:50 AM	110.7	0.34	8.80	0.3351	12.4	10.10	33.77	200	1.000	3.000
8:55 AM	97.6	0.30	8.80	0.3304	12.4	11.50	35.22	200	1.000	4.000

GROUNDWATER SAMPLING LOG

9:00 AM	88.4	0.29	8.80	0.3305	12.2	9.98	36.75	200	1.000	5.000
9:05 AM	82.2	0.28	8.80	0.3298	12.1	9.92	38.15	200	1.000	6.000
9:10 AM	78.2	0.27	8.80	0.3274	12.4	9.26	39.35	200	1.000	
9:45 AM	44.1	0.18	8.69	0.3858	13.0	24.50	45.60	200	1.000	1.000
9:50 AM	40.4	0.17	8.71	0.3767	13.0	21.50	46.26	200	1.000	2.000
9:55 AM	38.8	0.18	8.76	0.3484	12.4	14.30	47.94	200	1.000	3.000
10:00 AM	44.8	0.22	8.78	0.3292	12.5	9.97	49.07	200	1.000	4.000
10:05 AM	53.4	0.25	8.79	0.3336	12.7	9.06	50.55	200	1.000	5.000
10:10 AM	54.2	0.25	8.79	0.3321	12.9	8.89	51.55	200	1.000	6.000
10:15 AM	56.0	0.25	8.79	0.3295	12.9	8.12	52.75	200	1.000	7.000

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-MAR-BEDROCK	

Sample Information

Sample ID:	114-MW62C-73.0-20240319	Date:	3/19/2024 1:05:00 PM
Well ID:	114-MW62C	Location Type:	MW
Duplicate ID:		Sampler:	WallgrenB
Equipment:			
Analysis:	Cr+6,Eh,pH(Unfiltered),TCr(Unfiltered),TOC,Sulfate, Ferrous Iron(Filtered)		
Comments:			

Well Inspection

Well Located?	Yes	Well Diameter:	
Cap/J-Plug?:		Well Action Needed?	
Lid Condition:		Well Labeled?	
Ambient PID:	0 (ppmv)	Headspace PID:	0 (ppmv)
Notes:			

Water Level

Date:	3/19/2024 11:30:00 AM	Measured Well Depth:	75.00
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	5.79	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	3/19/2024 11:50:00 AM	End Date and Time:	3/19/2024 1:00:00 PM
Initial Pump Depth:	73	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Project #:

Site: Garfield Avenue group of sites

Event: 2024-MAR-BEDROCK

Sample Information			
Sample ID:	114-MW62C-73.0-20240319	Date:	3/19/2024 1:05:00 PM
Well ID:	114-MW62C	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)
11:55 AM	412.5	1.11	6.73	1.3750	11.7	8.73	5.85	125	0.625	0.625
12:00 PM	398.2	0.68	6.74	1.4110	12.1	5.53	5.85	125	0.625	1.250
12:05 PM	387.7	0.52	6.76	1.4250	12.1	3.10	5.84	125	0.625	1.875
12:10 PM	382.3	0.45	6.77	1.4310	12.1	2.52	5.85	125	0.625	2.500
12:15 PM	378.8	0.42	6.77	1.4320	12.2	1.80	5.85	125	0.625	3.125
12:20 PM	377.0	0.37	6.77	1.4320	12.1	1.60	5.85	125	0.625	3.750
12:25 PM	376.1	0.37	6.77	1.4350	11.7	1.34	5.85	125	0.625	4.375
12:30 PM	375.6	0.39	6.77	1.4350	11.7	1.40	5.85	125	0.625	5.000
12:35 PM	375.1	0.39	6.78	1.4460	11.7	1.20	5.85	125	0.625	5.625
12:40 PM	378.0	0.39	6.79	1.4090	11.4	1.23	5.85	125	0.625	6.250
12:45 PM	376.4	0.39	6.78	1.4250	12.0	1.02	5.85	125	0.625	6.875
12:50 PM	375.6	0.33	6.77	1.4350	12.2	1.06	5.85	125	0.625	7.500
12:55 PM	376.0	0.32	6.78	1.4350	12.0	0.97	5.85	125	0.625	8.125
1:00 PM	374.9	0.31	6.78	1.4290	12.3	1.01	5.85	125	0.625	8.750

GROUNDWATER SAMPLING LOG

Client:	PPG Industries		Project #:
Site:	Garfield Avenue group of sites		Event: 2024-MAR-BEDROCK

Sample Information

Sample ID:	114-MW75WR-118.5-20240321	Date:	3/21/2024 9:30:00 AM
Well ID:	114-MW75WR	Location Type:	BH
Duplicate ID:		Sampler:	WallgrenB
Equipment:			
Analysis:			
Comments:			

Well Inspection

Well Located?	Yes	Well Diameter:	
Cap/J-Plug?:		Well Action Needed?	
Lid Condition:		Well Labeled?	
Ambient PID:	0 (ppmv)	Headspace PID:	0.1 (ppmv)
Notes:			

Water Level

Date:	3/21/2024 8:07:00 AM	Measured Well Depth:	120.40
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	3.72	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	3/21/2024 8:30:00 AM	End Date and Time:	3/21/2024 9:25:00 AM
Initial Pump Depth:	118.5	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Site: Garfield Avenue group of sites

Project #:

Event: 2024-MAR-BEDROCK

Sample Information			
Sample ID:	114-MW75WR-118.5-20240321	Date:	3/21/2024 9:30:00 AM
Well ID:	114-MW75WR	Location Type:	BH

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)
8:35 AM	-228.6	1.13	6.52	1.5340	10.1	21.20	3.81	100	0.500	0.500
8:40 AM	-230.8	0.82	6.71	1.5420	9.8	10.20	3.79	100	0.500	1.000
8:45 AM	-230.6	0.55	7.07	1.6280	10.2	5.97	3.79	100	0.500	1.500
8:50 AM	-219.5	0.47	7.24	1.7070	9.8	4.40	3.79	100	0.500	2.000
8:55 AM	-210.0	0.39	7.42	1.7900	10.3	2.61	3.79	100	0.500	2.500
9:00 AM	-203.8	0.35	7.51	1.8280	10.0	2.54	3.79	100	0.500	3.000
9:05 AM	-201.8	0.31	7.57	1.8510	9.8	2.60	3.79	100	0.500	3.500
9:10 AM	-200.7	0.29	7.60	1.8560	10.0	2.11		100	0.500	4.000
9:15 AM	-200.2	0.28	7.63	1.8520	10.3	1.63		100	0.500	4.500
9:20 AM	-198.9	0.26	7.64	1.8530	10.6	1.49		100	0.500	5.000
9:25 AM	-197.9	0.24	7.66	1.8470	10.6	1.53		100	0.500	5.500

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-MAR-BEDROCK	

Sample Information			
Sample ID:	114-PZ-52WR-74.0-20240320	Date:	3/20/2024 1:00:00 PM
Well ID:	114-PZ-52WR	Location Type:	MW
Duplicate ID:		Sampler:	WallgrenB
Equipment:			
Analysis:			
Comments:			

Well Inspection			
Well Located?	Yes	Well Diameter:	
Cap/J-Plug?:		Well Action Needed?	
Lid Condition:		Well Labeled?	
Ambient PID:	0 (ppmv)	Headspace PID:	3.3 (ppmv)
Notes:			

Water Level			
Date:	3/20/2024 8:20:00 AM	Measured Well Depth:	76.00
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	6.21	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	3/20/2024 8:45:00 AM	End Date and Time:	3/20/2024 12:55:00 PM
Initial Pump Depth:	74	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

AECOM

Client:	PPG Industries	Project #:
Site:	Garfield Avenue group of sites	Event: 2024-MAR-BEDROCK

Sample Information			
Sample ID:	114-PZ-52WR-74.0-20240320	Date:	3/20/2024 1:00:00 PM
Well ID:	114-PZ-52WR	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)
8:55 AM	60.9	0.41	4.42	2.3600	11.6	1000.00	7.17	100	0.500	0.500
9:00 AM	54.2	0.35	4.42	2.2470	12.1	911.00	7.80	100	0.500	1.000
9:05 AM	50.8	0.15	4.43	2.1820	12.1	1000.00	8.45	100	0.500	1.500
9:10 AM	48.7	0.13	4.43	2.1600	12.3	683.00	9.00	100	0.500	2.000
9:15 AM	47.8	0.11	4.43	2.1710	12.3	782.00	9.41	100	0.500	2.500
9:20 AM	47.1	0.09	4.43	2.2040	12.6	626.00	9.74	100	0.500	3.000
9:25 AM	46.7	0.08	4.43	2.2350	12.5	1000.00	9.95	100	0.500	3.500
9:30 AM	46.8	0.07	4.43	2.2310	12.6	542.00	10.15	100	0.500	4.000
9:35 AM	45.8	0.06	4.43	2.2310	12.6	458.00	10.35	100	0.500	4.500
9:40 AM	45.8	0.06	4.43	2.2220	12.6	471.00	10.42	100	0.500	5.000
9:45 AM	46.1	0.06	4.44	2.2260	12.7	391.00	10.60	100	0.500	5.500
9:50 AM	47.8	0.06	4.43	2.2340	12.8	325.00	10.66	100	0.500	6.000
9:55 AM	49.2	0.05	4.42	2.3850	12.7	215.00	10.75	100	0.500	6.500
10:00 AM	50.9	0.05	4.41	2.3660	12.9	227.00	10.79	100	0.500	7.000
10:05 AM	53.0	0.05	4.40	2.2620	12.9	170.00	10.80	100	0.500	7.500
10:10 AM	55.1	0.05	4.39	2.2460	12.9	98.60	10.80	100	0.500	8.000
10:15 AM	57.6	0.06	4.38	2.1800	12.9	78.60	10.80	100	0.500	8.500
10:20 AM	59.0	0.05	4.37	2.1010	13.0	77.70	10.80	100	0.500	9.000
10:25 AM	60.6	0.05	4.37	2.0400	13.0	72.30	10.80	100	0.500	9.500
10:30 AM	62.0	0.05	4.36	1.9870	12.8	60.10	10.70	100	0.500	10.000
10:35 AM	63.0	0.05	4.36	1.9400	13.0	49.70	10.69	100	0.500	10.500
10:40 AM	63.3	0.05	4.36	1.8690	13.1	44.20	10.60	100	0.500	11.000
10:45 AM	64.0	0.05	4.36	1.8110	13.1	49.50	10.54	100	0.500	11.500
10:50 AM	64.8	0.05	4.36	1.7730	13.2	46.50	10.45	100	0.500	12.000
10:55 AM	65.0	0.05	4.36	1.7250	13.3	43.00	10.30	100	0.500	12.500
11:00 AM	65.7	0.04	4.36	1.6850	13.1	40.00	10.16	100	0.500	13.000
11:05 AM	66.0	0.04	4.36	1.6370	13.2	39.40	10.11	100	0.500	13.500
11:10 AM	64.8	0.04	4.36	1.6210	13.0	41.60	9.93	100	0.500	14.000
11:15 AM	66.3	0.04	4.36	1.6040	13.0	42.80	9.90	100	0.500	14.500
11:20 AM	66.3	0.04	4.36	1.6000	13.1	41.00	9.80	100	0.500	15.000
11:25 AM	66.5	0.05	4.36	1.5660	13.0	40.80	9.30	100	0.500	15.500
11:30 AM	66.6	0.05	4.36	1.5490	12.9	39.90	9.23	100	0.500	16.000

AECOM

GROUNDWATER SAMPLING LOG

11:35 AM	67.7	0.04	4.36	1.5290	12.5	41.70	8.40	100	0.500	16.500
11:40 AM								100	0.500	17.000
11:45 AM	67.7	0.04	4.36	1.4950	13.0	40.80	7.85	100	0.500	17.500
11:50 AM	67.1	0.05	4.36	1.4660	13.3	66.90	8.16	100	0.500	18.000
11:55 AM	66.1	0.04	4.36	1.4310	13.1	55.10	8.00	100	0.500	18.500
12:00 PM	66.1	0.04	4.36	1.4170	12.7	49.90	7.85	100	0.500	19.000
12:05 PM	66.3	0.04	4.36	1.4030	12.6	41.80	7.65	100	0.500	19.500
12:10 PM	66.1	0.04	4.36	1.3920	13.0	47.80		100	0.500	20.000
12:15 PM	66.3	0.04	4.37	1.4160	13.1	44.50	7.40	100	0.500	20.500
12:20 PM	66.5	0.04	4.37	1.4600	13.4	41.00	7.28	100	0.500	21.000
12:25 PM	66.0	0.03	4.37	1.4310	13.8	43.30	7.15	100	0.500	21.500
12:30 PM	66.4	0.03	4.37	1.6120	14.1	43.00		100	0.500	22.000
12:35 PM	66.1	0.03	4.37	1.6070	14.0	50.10		100	0.500	22.500
12:40 PM	65.7	0.04	4.37	1.6020	13.8	46.90		100	0.500	23.000
12:45 PM	64.0	0.05	4.37	1.6000	13.8	44.30		100	0.500	23.500
12:50 PM	62.5	0.04	4.37	1.5790	14.0	45.80		100	0.500	24.000
12:55 PM	66.2	0.04	4.37	1.5630	13.9	47.70		100	0.500	24.500

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-MAR-BEDROCK	

Sample Information			
Sample ID:	114-PZ-66WR-83.0-20240320	Date:	3/20/2024 11:55:00 AM
Well ID:	114-PZ-66WR	Location Type:	MW
Duplicate ID:	114-PZ-66WR-83.0-20240320-X MS/MSD COLLECTED	Sampler:	Joyce Franco
Equipment:	Headspace meter: MiniRAE 3000 # 5920000212 Field param meter: YSI ProQuatro # 22H104803 WL/int meter: Geotech WLM # 8076AL		
Analysis:	Cr+6,Eh,pH(Unfiltered),TCr(Unfiltered),TOC,Sulfate, Ferrous Iron(Filtered)		
Comments:	TOC; hex Cr; total Cr; sulfate , FF ferrous iron		

Well Inspection			
Well Located?	Yes	Well Diameter:	
Cap/J-Plug?:	yes	Well Action Needed?	No
Lid Condition:	good	Well Labeled?	yes
Ambient PID:	0 (ppmv)	Headspace PID:	0 (ppmv)
Notes:			

Water Level			
Date:	3/20/2024 8:54:00 AM	Measured Well Depth:	87.50
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	7.14	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	3/20/2024 9:00:00 AM	End Date and Time:	3/20/2024 11:50:00 AM
Initial Pump Depth:	83	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-MAR-BEDROCK	

Sample Information			
Sample ID:	114-PZ-66WR-83.0-20240320	Date:	3/20/2024 11:55:00 AM
Well ID:	114-PZ-66WR	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)
9:05 AM	36.3	3.16	8.13	1.4700	9.5	595.00	7.20	155	0.750	0.750
9:10 AM	33.3	1.78	7.40	1.8720	9.2	1000.00	7.21	145	0.750	1.500
9:15 AM	27.8	0.90	7.36	2.0000	10.3	585.00	7.21	145	0.750	2.250
9:20 AM	26.0	0.78	7.35	2.0260	10.7	550.00	7.21	145	0.750	3.000
9:25 AM	22.3	0.56	7.34	2.0980	10.7	307.00	7.21	145	0.750	3.750
9:30 AM	18.7	0.55	7.34	2.1060	10.7	200.00	7.21	145	0.750	4.500
9:35 AM	17.0	0.53	7.34	2.1360	10.7	168.00	7.21	145	0.750	5.250
9:40 AM	16.2	0.48	7.34	2.1480	10.6	150.00	7.21	145	0.750	6.000
9:45 AM	15.0	0.46	7.34	2.1550	11.0	100.00	7.21	145	0.750	6.750
9:50 AM	13.3	0.43	7.34	2.1650	11.2	90.50	7.21	145	0.750	7.500
9:55 AM	12.3	0.42	7.34	2.1810	11.1	85.00	7.21	145	0.750	8.250
10:00 AM	10.2	0.39	7.34	2.1970	11.2	57.80	7.21	145	0.750	9.000
10:05 AM	9.6	0.40	7.33	2.1950	11.2	50.00	7.21	145	0.750	9.750
10:10 AM	8.2	0.37	7.34	2.1920	11.5	51.20	7.21	145	0.750	10.500
10:15 AM	7.0	0.36	7.34	2.1980	11.3	47.90	7.21	145	0.750	11.250
10:20 AM	6.3	0.36	7.34	2.2080	10.9	42.70	7.21	145	0.750	12.000
10:25 AM	5.7	0.43	7.34	2.2070	11.0	41.30	7.21	145	0.750	12.750
10:30 AM	5.0	0.33	7.34	2.2110	11.3	31.40	7.21	145	0.750	13.500
10:35 AM	4.9	0.30	7.34	2.2190	11.6	29.00	7.21	145	0.750	14.250
10:40 AM	4.7	0.28	7.34	2.2210	11.7	27.50	7.21	145	0.750	15.000
10:45 AM	4.4	0.28	7.33	2.2260	11.5	25.00	7.21	145	0.750	15.750
10:50 AM	3.9	0.25	7.33	2.2280	11.9	22.20	7.21	145	0.750	16.500
10:55 AM	3.8	0.27	7.33	2.2300	12.0	20.90	7.21	145	0.750	17.250
11:00 AM	3.1	0.27	7.32	2.2390	11.7	19.60	7.21	145	0.750	18.000
11:05 AM	2.5	0.26	7.32	2.2410	12.0	18.20	7.21	145	0.750	18.750
11:10 AM	1.3	0.26	7.31	2.2490	11.7	16.40	7.21	145	0.750	19.500
11:15 AM	0.9	0.25	7.31	2.2520	11.7	14.90	7.21	145	0.750	20.250
11:20 AM	1.2	0.25	7.31	2.2470	11.9	13.10	7.21	145	0.750	21.000
11:25 AM	1.6	0.24	7.29	2.2600	11.8	12.60	7.21	145	0.750	21.750
11:30 AM	1.5	0.23	7.29	2.2580	12.0	10.00	7.21	145	0.750	22.500
11:35 AM	2.3	0.23	7.28	2.2620	12.0	10.60	7.21	145	0.750	23.350
11:40 AM	2.4	0.23	7.27	2.2670	12.0	9.99	7.21	145	0.750	24.500
11:45 AM	2.5	0.23	7.27	2.2790	12.0	9.92	7.21	145	0.750	25.250

GROUNDWATER SAMPLING LOG

11:50 AM	2.6	0.22	7.26	2.2820	12.1	9.89	7.21	145	0.750	26.000

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-MAY-P4	

Sample Information

Sample ID:	114-MW53C-47.9-20240528	Date:	5/28/2024 1:05:00 PM
Well ID:	114-MW53C	Location Type:	MW
Duplicate ID:		Sampler:	WallgrenB
Equipment:			
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:			

Well Inspection

Well Located?	Yes	Well Diameter:	
Pad Condition:		Well Action Needed?	
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:		Lid Type:	
Cap Condition:		Well Labeled?	
Notes:			

Water Level

Date:	5/28/2024 12:18:00 PM	Measured Well Depth:	48.50
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	8.42	Depth to LNAPL:	NE
Notes:	Sample interval 47.9'		

Purge Information

Begin Date and Time:	5/28/2024 12:28:00 PM	End Date and Time:	5/28/2024 1:00:00 PM
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Site: Garfield Avenue group of sites

Project #:

Event: 2024-MAY-P4

Sample Information			
Sample ID:	114-MW53C-47.9-20240528	Date:	5/28/2024 1:05:00 PM
Well ID:	114-MW53C	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
12:30 PM	60.0	3.13	7.98	2.5970	18.20	3.06	8.56	150	0.75	0.75	Clear yellow	None
12:35 PM	72.0	0.55	7.31	2.9100	17.80	2.13	8.58	150	0.75	1.50	Clear yellow	None
12:40 PM	79.3	0.43	7.17	3.0460	18.00	1.34	8.58	150	0.75	2.25	Clear yellow	None
12:45 PM	81.4	0.34	7.13	3.0870	17.40	0.72	8.58	150	0.75	3.00	Clear yellow	None
12:50 PM	80.2	0.29	7.12	3.0810	17.50	0.60	8.58	150	0.75	3.75	Clear hardly yellow	None
12:55 PM	76.4	0.27	7.19	3.0590	17.30	0.48	8.58	150	0.75	4.50	Clear hardly yellow	None
1:00 PM	75.3	0.25	7.20	3.0360	17.50	0.53	8.58	150	0.75	5.25	Clear hardly yellow	None

AECOM

Well ID: 114-MW57C

Low Flow Ground Water Sample Collection Record

Client: PPG Industries Date: 5/20/2024 Time: Start 1125 am/pm Finish 1225 am/pm
Project No: 60729481
Site Location: Jersey City, NJ
Weather Conds: Sunny 60's Collector: Christine DeAmbrogio

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 71.7' c. Length of Water Column 63.43' (a-b) Casing Diameter/Material 2" pvc

b. Water Table Depth 8.27' d. Calculated System Volume (see back) 39.2L

2. WELL PURGE DATA

a. Purge Method: geotech peripump

b. Acceptance Criteria defined (see workplan)

- Temperature	3%	-D.O.	10%
- pH	± 0.1 unit	- ORP	± 10mV
- Sp. Cond.	3%	- Drawdown	< 0.3'

Turbidity must be < 10 NTU prior to sample collection. Stabilization below 10 NTU must be achieved at +/- 10% for values greater than 1 NTU.

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	ProQuatro	23A104282
	Probe	21M100505
Hatch	2100Q	2302P000225

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
1125	0	17.5	7.55	1726	5.90	-49.5	11.5	200	8.27	lite yellow	None
1130	1	17.3	7.76	1847	1.31	-61.1	3.87	200	8.30	yellow	None
1135	2	17.0	7.81	1883	5.27	-63.3	3.37	200	8.32	lt yellow	None
1140	3	16.9	7.81	1935	7.13	-63.5	3.35	200	8.32	lt yellow	None
1145	4	17.0	7.81	1962	6.65	-63.5	3.18	200	8.35	lt yellow	None
1150	5	17.0	7.80	2015	6.26	-63.0	3.17	200	8.35	light yellow	None
1155	6	17.1	7.79	2038	6.27	-62.6	3.16	200	8.35	light yellow	None

(continued on back)

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☐	☑
Has required turbidity been reached	☑	☐	☐
Have parameters stabilized	☑	☐	☐

If no or N/A - Explain below.

No minimum purge volume required for low-flow sampling.

After 2 hours of purging, samples may be collected regardless of whether water quality parameters have stabilized.

3. SAMPLE COLLECTION: Method: direct from tubing

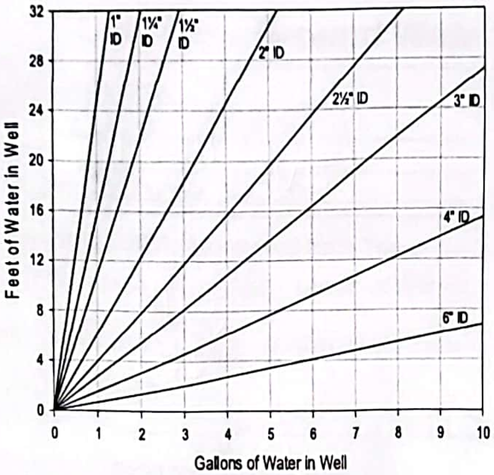
Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114-PW-MW57C-70.9-20240520					1230
	Plastic	4	HNO_3		
	Glass	4	HCl		
	plastic	4	Unpreserved		

Comments: PID well head 0.5ppm Ambient PID 0.9ppm

Signature: C. DeAmbrogio Date: 5/20/24

Well ID: 114-MW57C

Purge Volume Calculation



Volume / Linear Ft. of Pipe		
ID (in)	Gallon	Liter
0.25	0.0025	0.0097
0.375	0.0057	0.0217
0.5	0.0102	0.0386
0.75	0.0229	0.0869
1	0.0408	0.1544
1.25	0.0637	0.2413
1.5	0.0918	0.3475
2	0.1632	0.6178
2.5	0.2550	0.9653
3	0.3672	1.3900
4	0.6528	2.4711
6	1.4688	5.5600

(continued from front)

Time (24 hr)	Volume Removed (Liters)	Temp (°C)	pH (S.U.)	Spec. Cond. (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (ft)	Color/Odor
1200	7	16.9	7.79	2052	6.15	-62.0	3.17	200	8:35	lt yellow / No odor
1205	8	17.0	7.78	2057	5.25	-61.9	3.16	200	8.35	lt. yellow / No odor
1210	9	17.0	7.78	2054	5.10	-61.8	3.18	200	8.35	lt yellow / No odor
125	10	16.9	7.78	2046	4.71	-61.8	3.15	200	8.35	lt yellow / No odor
1220	11	16.9	7.78	2031	4.70	-61.8	3.11	200	8.35	lt yellow / No odor
1225	12	16.9	7.78	2039	4.69	-61.8	3.12	200	8.35	lt yellow / No odor

Sample @ 1230

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-MAY-P4	

Sample Information

Sample ID:	114-MW57C-70.9-20240530	Date:	5/30/2024 10:10:00 AM
Well ID:	114-MW57C	Location Type:	MW
Duplicate ID:		Sampler:	JS
Equipment:	Field param meter: YSI Pro Plus # 21K104284 WL/int meter: Geotech # 7934AL		
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:			

Well Inspection

Well Located?	Yes	Well Diameter:	
Pad Condition:		Well Action Needed?	No
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:	good	Lid Type:	
Cap Condition:		Well Labeled?	yes
Notes:	None		

Water Level

Date:	5/30/2024 8:20:00 AM	Measured Well Depth:	72.66
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	8.00	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	5/30/2024 8:45:00 AM	End Date and Time:	5/30/2024 10:05:00 AM
Initial Pump Depth:	70.9	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-MAY-P4	

Sample Information

Sample ID:	114-MW57C-70.9-20240530	Date:	5/30/2024 10:10:00 AM
Well ID:	114-MW57C	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
8:45 AM	194.3	6.77	7.29	0.7550	16.50	289.00	8.10	150	0.60	0.60	Light yellow	None
8:50 AM	182.8	2.56	7.68	1.5700	15.70	90.80	8.15	150	0.60	1.20	Light yellow	None
8:55 AM	172.7	1.02	7.75	1.6320	15.60	77.20	8.15	150	0.60	1.80	Light yellow	None
9:00 AM	158.5	0.55	7.79	1.6370	15.80	52.80	8.15	150	0.60	2.40	Light yellow	None
9:05 AM	149.7	1.04	7.80	1.6370	16.10	37.90	8.15	150	0.60	3.00	Light yellow	None
9:10 AM	148.4	1.01	7.80	1.6400	16.10	29.40	8.15	150	0.60	3.60	Light yellow	None
9:15 AM	138.7	1.12	7.81	1.6460	16.30	29.30	8.15	150	0.60	4.20	Light yellow	None
9:20 AM	137.1	0.99	7.81	1.6450	16.20	24.30	8.15	150	0.60	4.80	Light yellow	None
9:25 AM	131.9	1.11	7.81	1.6440	16.10	22.50	8.15	150	0.60	5.40		
9:30 AM	130.3	1.08	7.81	1644.0000	16.30	20.30	8.15	150	0.60	6.00		
9:35 AM	123.0	1.00	7.81	1.6470	16.60	15.80	8.15	150	0.60	6.60		
9:40 AM	121.1	1.08	7.81	1.6550	17.00	12.00	8.15	150	0.60	7.20		
9:45 AM	116.8	1.04	7.81	1.6470	16.70	10.20		150	0.60	7.80		
9:50 AM	115.4	1.05	7.81	1.6540	16.70	8.01		150	0.60	8.40		
9:55 AM	110.6	1.03	7.82	1.6470	16.50	8.72		150	0.60	9.00		
10:00 AM	107.9	1.02	7.82	1.6430	16.30	9.00		150	0.60	9.60		
10:05 AM	106.1	1.00	7.81	1.6440	16.80	8.93		150	0.60	10.20		

GROUNDWATER SAMPLING LOG

Client:	PPG Industries		Project #:
Site:	Garfield Avenue group of sites		Event: 2024-MAY-P4

Sample Information

Sample ID:	114-MW75WR-118.0-20240530	Date:	5/30/2024 9:20:00 AM
Well ID:	114-MW75WR	Location Type:	MW
Duplicate ID:		Sampler:	WallgrenB
Equipment:			
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:	MSMSD collected		

Well Inspection

Well Located?	Yes	Well Diameter:	2
Pad Condition:		Well Action Needed?	
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:		Lid Type:	
Cap Condition:		Well Labeled?	
Notes:			

Water Level

Date:	5/30/2024 8:08:00 AM	Measured Well Depth:	120.20
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	4.73	Depth to LNAPL:	NE
Notes:	Sample interval 118’		

Purge Information

Begin Date and Time:	5/30/2024 8:26:00 AM	End Date and Time:	5/30/2024 9:15:00 AM
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-MAY-P4	

Sample Information			
Sample ID:	114-MW75WR-118.0-20240530	Date:	5/30/2024 9:20:00 AM
Well ID:	114-MW75WR	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
8:30 AM	-136.5	2.27	5.55	1.2570	15.30	985.00	4.82	150	0.75	0.75	Cloudy white	Eggy
8:35 AM	-153.3	0.92	6.40	1.7680	15.20	165.00	4.83	150	0.75	1.50	Cloudy white	Eggy
8:40 AM	-182.2	1.27	6.97	1.9270	15.10	43.90	4.85	150	0.75	2.25	Less cloudy	Eggy
8:45 AM	-208.5	0.59	7.29	1.9710	15.10	12.00	4.86	150	0.75	3.00	Clear	Eggy
8:50 AM	-209.0	0.51	7.41	1.9990	15.10	6.41	4.86	150	0.75	3.75	Clear	None
8:55 AM	-205.5	0.46	7.48	2.0170	15.20	2.75	4.87	150	0.75	4.50	Clear	None
9:00 AM	-204.6	0.40	7.51	2.0250	15.20	1.68	4.88	150	0.75	5.25	Clear	None
9:05 AM	-202.4	0.35	7.54	2.0360	15.30	1.60	4.89	150	0.75	6.00	Clear	None
9:10 AM	-201.5	0.34	7.56	2.0350	15.40	1.63	4.90	150	0.75	6.75	Clear	None
9:15 AM	-202.1	0.32	7.59	2.0380	15.50	1.57	4.90	150	0.75	7.50	Clear	None

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-MAY-P4	

Sample Information

Sample ID:	114-MW76WR-57.5-20240528	Date:	5/28/2024 12:05:00 PM
Well ID:	114-MW76WR	Location Type:	BH
Duplicate ID:		Sampler:	ZB
Equipment:	Field param meter: YSI Pro Plus # 21K104284 WL/int meter: Geotech # 7934AL		
Analysis:	Cr+6,Eh,pH(Unfiltered and Filtered),TCr(Unfiltered and Filtered),TOC,Sulfate,Fe/Mn (Filtered), Methane		
Comments:			

Well Inspection

Well Located?	Yes	Well Diameter:	
Cap/J-Plug?:	yes	Well Action Needed?	No
Lid Condition:	good	Well Labeled?	no
Ambient PID:	0 (ppmv)	Headspace PID:	0 (ppmv)
Notes:			

Water Level

Date:	5/28/2024 10:45:00 AM	Measured Well Depth:	64.85
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	6.00	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	5/28/2024 11:30:00 AM	End Date and Time:	5/28/2024 12:00:00 PM
Initial Pump Depth:	57.5	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries
Site: Garfield Avenue group of sites
Project #:
Event: 2024-MAY-P4

Sample Information			
Sample ID:	114-MW76WR-57.5-20240528	Date:	5/28/2024 12:05:00 PM
Well ID:	114-MW76WR	Location Type:	BH

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
11:30 AM	-42.9	0.84	11.65	4.148	17.4	2.11	6.00	150	0.60	0.60	Yellow	Slight
11:35 AM	-73.8	0.30	11.87	4.137	18.3	2.14	6.45	150	0.60	1.20	Yellow	Slight
11:40 AM	-79.0	0.33	12.02	4.154	18.0	1.30	6.75	150	0.60	1.80	Yellow	Slight
11:45 AM	-79.1	0.48	12.01	4.136	18.3	1.40	7.03	150	0.60	2.40	Yellow	Slight
11:50 AM	-76.1	0.47	12.01	4.141	18.3	1.46	7.37	150	0.60	3.00	Yellow	Slight
11:55 AM	-75.3	0.46	12.01	4.129	18.4	1.57	7.82	150	0.60	3.60	Yellow	Slight
12:00 PM	-68.4	0.44	12.01	4.106	18.5	1.52	8.03	150	0.60	4.20	Yellow	Slight

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-MAY-P4	

Sample Information

Sample ID:	114-MW76WR-60.0-20240521	Date:	5/21/2024 3:10:00 PM
Well ID:	114-MW76WR	Location Type:	BH
Duplicate ID:		Sampler:	Ursel Dion
Equipment:			
Analysis:	Cr+6,Eh,pH(Unfiltered),TCr(Unfiltered)		
Comments:			

Well Inspection

Well Located?	Yes	Well Diameter:	
Cap/J-Plug?:		Well Action Needed?	
Lid Condition:		Well Labeled?	
Ambient PID:		Headspace PID:	
Notes:			

Water Level

Date:	5/21/2024 1:00:00 PM	Measured Well Depth:	85.00
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	6.47	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	5/21/2024 1:15:00 PM	End Date and Time:	5/21/2024 2:55:00 PM
Initial Pump Depth:	60	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Site: Garfield Avenue group of sites

Project #:

Event: 2024-MAY-P4

Sample Information			
Sample ID:	114-MW76WR-60.0-20240521	Date:	5/21/2024 3:10:00 PM
Well ID:	114-MW76WR	Location Type:	BH

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
1:20 PM	-119.2	7.53	11.70	5.160	22.0	11.10	6.47	150	0.75	0.75	Light yellow	None
1:25 PM	-122.0	7.10	11.69	5.150	24.1	10.30	6.47	150	0.75	1.50	Light yellow	None
1:30 PM	-125.9	6.73	11.65	5.150	25.6	14.80	6.47	150	0.75	2.25	Light yellow	None
1:35 PM	-125.3	5.82	11.63	5.170	26.6	9.32	6.48	150	0.75	3.00	Light yellow	None
1:40 PM	-124.2	5.60	11.63	5.160	26.6	9.72	6.48	150	0.75	3.75	Light yellow	None
1:45 PM	-124.0	5.64	11.63	5.160	26.8	5.67	6.48	150	0.75	4.50	Light yellow	None
1:50 PM	-124.3	5.72	11.63	5.170	26.7	4.94	6.48	150	0.75	5.25	Light yellow	None
1:55 PM	-120.9	5.31	11.61	5.150	21.3	5.65	6.61	150	0.75	6.00	Light yellow	None
2:00 PM	-100.6	4.68	11.70	5.150	21.8	6.37	6.78	150	0.75	6.75	Light yellow	None
2:05 PM	-100.6	4.69	11.77	5.150	21.7	6.61	6.90	150	0.75	7.50	Light yellow	None
2:10 PM	-100.4	4.68	11.76	5.160	21.6	6.61	6.93	150	0.75	8.25	Light yellow	None
2:15 PM	-100.3	4.69	11.77	5.160	21.6	6.58		150	0.75	9.00	Light yellow	None
2:20 PM	-100.2	4.69	11.77	5.160	21.7	6.59		150	0.75	9.75	Light yellow	None
2:25 PM	-99.8	4.59	11.77	5.150	21.7	4.43		150	0.75	10.50	Light yellow	None
2:30 PM	-89.5	4.87	11.77	5.130	21.5	3.30	7.16	150	0.75	11.25	Light yellow	None
2:35 PM	-87.5	4.68	11.77	5.120	21.8	3.82	7.16	150	0.75	12.00	Light yellow	None
2:40 PM	-82.7	3.26	11.77	5.130	21.5	3.46	7.16	150	0.75	12.75	Light yellow	None
2:45 PM	-82.8	3.25	11.78	5.120	21.4	3.73	7.16	150	0.75	13.50	Light yellow	None
2:50 PM	-80.2	3.00	11.78	5.120	21.4	3.64	7.45	150	0.75	14.25	Light yellow	None
2:55 PM	-80.4	2.99	11.77	5.090	21.7	3.66	7.50	150	0.75	15.00	Light yellow	None

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-MAY-P4	

Sample Information

Sample ID:	114-MW76WR-62.5-20240528	Date:	5/28/2024 2:15:00 PM
Well ID:	114-MW76WR	Location Type:	BH
Duplicate ID:		Sampler:	ZB
Equipment:	Field param meter: YSI Pro Plus # 21K104284 WL/int meter: Geotech # 7934AL		
Analysis:	Cr+6,Eh,pH(Unfiltered and Filtered),TCr(Unfiltered and Filtered),TOC,Sulfate,Fe/Mn (Filtered), Methane		
Comments:			

Well Inspection

Well Located?	Yes	Well Diameter:	
Cap/J-Plug?:	yes	Well Action Needed?	No
Lid Condition:	good	Well Labeled?	no
Ambient PID:	0 (ppmv)	Headspace PID:	0.1 (ppmv)
Notes:	.35 below grade		

Water Level

Date:	5/28/2024 1:00:00 PM	Measured Well Depth:	64.85
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	7.30	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	5/28/2024 1:35:00 PM	End Date and Time:	5/28/2024 2:10:00 PM
Initial Pump Depth:	62.5	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Project #:

Site: Garfield Avenue group of sites

Event: 2024-MAY-P4

Sample Information			
Sample ID:	114-MW76WR-62.5-20240528	Date:	5/28/2024 2:15:00 PM
Well ID:	114-MW76WR	Location Type:	BH

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
1:35 PM	-48.5	0.54	12.04	4.166	18.4	2.81	7.30	150	0.60	0.60	Yellow	Slight
1:40 PM	-50.6	0.41	12.04	4.115	18.7	3.71	7.65	150	0.60	1.20	Yellow	Slight
1:45 PM	-64.6	0.54	12.07	4.101	18.4	2.34	7.82	150	0.60	1.80	Yellow	Slight
1:50 PM	-68.2	0.53	12.07	4.099	18.7	3.67	8.05	150	0.60	2.40	Yellow	Slight
1:55 PM	-77.8	0.49	12.07	4.075	18.6	1.89	8.32	150	0.60	3.00	Yellow	Slight
2:00 PM	-78.7	0.45	12.07	4.088	18.6	1.40	8.49	150	0.60	3.60	Yellow	Slight
2:05 PM	-79.9	0.41	12.07	4.093	18.8	1.44	8.65	150	0.60	4.20	Yellow	Slight
2:10 PM	-80.5	0.40	12.07	4.083	18.9	1.33	8.73	150	0.60	4.80	Yellow	Slight

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-MAY-P4	

Sample Information

Sample ID:	114-MW77WR-57.0-20240528	Date:	5/28/2024 10:35:00 AM
Well ID:	114-MW77WR	Location Type:	BH
Duplicate ID:		Sampler:	WallgrenB
Equipment:			
Analysis:	Cr+6,Eh,pH(Unfiltered and Filtered),TCr(Unfiltered and Filtered),TOC,Sulfate,Fe/Mn (Filtered), Methane		
Comments:			

Well Inspection

Well Located?	Yes	Well Diameter:	
Cap/J-Plug?:		Well Action Needed?	
Lid Condition:		Well Labeled?	
Ambient PID:	0 (ppmv)	Headspace PID:	0 (ppmv)
Notes:			

Water Level

Date:	5/28/2024 9:12:00 AM	Measured Well Depth:	NM
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	6.15	Depth to LNAPL:	NE
Notes:	Sample interval 57’		

Purge Information

Begin Date and Time:	5/28/2024 9:53:00 AM	End Date and Time:	5/28/2024 10:30:00 AM
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Site: Garfield Avenue group of sites

Project #:

Event: 2024-MAY-P4

Sample Information			
Sample ID:	114-MW77WR-57.0-20240528	Date:	5/28/2024 10:35:00 AM
Well ID:	114-MW77WR	Location Type:	BH

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
9:55 AM	-58.6	0.90	12.02	2.126	19.5	4.36	6.65	150	0.75	0.75	Clea yellow	None
10:00 AM	-90.0	0.69	12.08	2.238	19.1	4.07	6.75	150	0.75	1.50	Clear yellow	None
10:05 AM	-109.0	0.52	12.08	2.240	19.1	3.47	6.85	150	0.75	2.25	Clear yellow	None
10:10 AM	-116.5	0.45	12.07	2.242	18.8	3.20	6.90	150	0.75	3.00	Clear yellow	None
10:15 AM	-124.0	0.40	12.08	2.245	18.7	3.30	6.95	150	0.75	3.75	Clear yellow	None
10:20 AM	-127.5	0.37	12.08	2.233	18.8	2.90	7.00	150	0.75	4.50	Clear yellow	None
10:25 AM	-134.0	0.35	12.15	2.242	18.9	3.01	7.01	150	0.75	5.25	Clear yellow	None
10:30 AM	-138.5	0.32	12.16	2.236	19.0	3.16	7.02	150	0.75	6.00	Clear yellow	None

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-MAY-P4	

Sample Information			
Sample ID:	114-MW77WR-60.0-20240521	Date:	5/21/2024 11:50:00 AM
Well ID:	114-MW77WR	Location Type:	BH
Duplicate ID:		Sampler:	Ursel Dion
Equipment:			
Analysis:	Cr+6,Eh,pH(Unfiltered),TCr(Unfiltered)		
Comments:			

Well Inspection			
Well Located?	Yes	Well Diameter:	
Cap/J-Plug?:		Well Action Needed?	
Lid Condition:		Well Labeled?	
Ambient PID:		Headspace PID:	
Notes:			

Water Level			
Date:	5/21/2024 10:30:00 AM	Measured Well Depth:	65.00
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	6.32	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:		End Date and Time:	
Initial Pump Depth:	60	Final Pump Depth:	Not Recorded
Purge Method:		Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

AECOM

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-MAY-P4	

Sample Information

Sample ID:	114-MW77WR-60.0-20240521	Date:	5/21/2024 11:50:00 AM
Well ID:	114-MW77WR	Location Type:	BH

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
10:30 AM	-79.7	12.90	11.22	1.640	17.3	13.40	6.50	150	0.25	0.25	Light yellow	None
10:35 AM	-85.7	9.50	11.31	1.679	17.3	13.70	6.50	150	0.25	0.50	Pale yellow	None
10:45 AM	-123.4	0.79	11.39	1.740	17.4	12.40	6.50	150	0.25	1.00	Pale yellow	None
10:50 AM	-138.2	0.79	11.47	1.840	17.4	11.50	6.57	150	0.25	1.25	Pale yellow	None
10:55 AM	-147.5	0.82	11.53	1.899	17.5	9.34	6.57	150	0.25	1.50	Pale yellow	None
11:00 AM	-153.1	0.82	11.54	1.927	17.4	8.27	6.55	150	0.25	1.75	Pale yellow	None
11:05 AM	-162.1	0.79	11.59	1.943	17.5	9.52	6.53	150	0.25	2.00	Pale yellow	None
11:10 AM	-167.9	0.77	11.57	1.948	17.6	9.49	6.53	150	0.25	2.25	Pale yellow	None
11:15 AM	-179.3	0.73	11.62	2.062	17.5	7.58	6.61	150	0.25	2.50	Pale yellow	None
11:20 AM	-182.5	0.76	11.63	2.069	17.5	9.20	6.58	150	0.25	2.75	Pale yellow	None
11:25 AM	-183.5	0.75	11.64	2.070	17.6	9.02	6.58	150	0.25	3.00	Pale yellow	None
11:30 AM	-182.5	0.74	11.65	2.069	17.6	8.42	6.57	150	0.25	3.25	Pale yellow	None
11:35 AM	-182.5	0.74	11.64	2.070	17.6	8.48	6.57	150	0.25	3.50	Pale yellow	None
11:40 AM	-182.2	0.75	11.65	2.080	17.5	8.56	6.58	150	0.25	3.75	Pale yellow	None

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-MAY-P4	

Sample Information

Sample ID:	114-MW77WR-62.0-20240528	Date:	5/28/2024 11:35:00 AM
Well ID:	114-MW77WR	Location Type:	BH
Duplicate ID:		Sampler:	WallgrenB
Equipment:			
Analysis:	Cr+6,Eh,pH(Unfiltered and Filtered),TCr(Unfiltered and Filtered),TOC,Sulfate,Fe/Mn (Filtered), Methane		
Comments:			

Well Inspection

Well Located?	Yes	Well Diameter:	
Cap/J-Plug?:		Well Action Needed?	
Lid Condition:		Well Labeled?	
Ambient PID:	0 (ppmv)	Headspace PID:	0 (ppmv)
Notes:			

Water Level

Date:	5/28/2024 10:54:00 AM	Measured Well Depth:	65.03
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	6.88	Depth to LNAPL:	NE
Notes:	Sample interval 62’		

Purge Information

Begin Date and Time:	5/28/2024 10:55:00 AM	End Date and Time:	5/28/2024 11:30:00 AM
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-MAY-P4	

Sample Information

Sample ID:	114-MW77WR-62.0-20240528	Date:	5/28/2024 11:35:00 AM
Well ID:	114-MW77WR	Location Type:	BH

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
11:00 AM	-98.7	0.42	12.23	2.341	18.7	3.31	7.00	150	0.75	0.75	Clear yellow	None
11:05 AM	-124.4	0.30	12.20	2.339	18.5	4.20	7.05	150	0.75	1.50	Clear yellow	None
11:10 AM	-132.2	0.28	12.12	2.332	19.0	3.89	7.06	150	0.75	2.25	Clear yellow	None
11:15 AM	-135.6	0.27	12.12	2.330	19.1	3.24	7.05	150	0.75	3.00	Clear yellow	None
11:20 AM	-139.4	0.27	12.16	2.341	18.8	2.20	7.05	150	0.75	3.75	Clear yellow	None
11:25 AM	-140.1	0.26	12.15	2.338	19.1	2.40	7.05	150	0.75	4.50	Clear yellow	None
11:30 AM	-142.6	0.26	12.20	2.358	18.8	2.38	7.05	150	0.75	5.25	Clear yellow	None

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-MAY-P4	

Sample Information

Sample ID:	114-MW78WR-76.5-20240529	Date:	5/29/2024 9:45:00 AM
Well ID:	114-MW78WR	Location Type:	BH
Duplicate ID:		Sampler:	Steve Wright
Equipment:			
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:			

Well Inspection

Well Located?	Yes	Well Diameter:	
Pad Condition:		Well Action Needed?	No
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:	good	Lid Type:	
Cap Condition:		Well Labeled?	yes
Notes:	None		

Water Level

Date:	5/29/2024 8:40:00 AM	Measured Well Depth:	85.00
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	4.94	Depth to LNAPL:	NE
Notes:	Sample interval 76.5'		

Purge Information

Begin Date and Time: 5/29/2024	8:35:00 AM	End Date and Time: 5/29/2024 9:45:00AM	
Initial Pump Depth:	76.5	Final Pump Depth:	Not Recorded
Purge Method:		Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

AECOM

Client: PPG Industries

Site: Garfield Avenue group of sites

Project #:

Event: 2024-MAY-P4

Sample Information			
Sample ID:	114-MW78WR-76.5-20240529	Date:	5/29/2024 9:45:00 AM
Well ID:	114-MW78WR	Location Type:	BH

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
8:40 AM	167.1	1.21	10.39	1.267	15.8	4.66	4.94	200	1.00	1.00	clear	
8:45 AM	76.6	0.84	9.47	1.179	16.1	3.45	5.40	150	0.75	1.75	clear	
8:50 AM	41.5	0.73	9.47	1.151	16.5	5.04	5.72	150	0.75	2.50	clear	
8:55 AM	-33.2	0.71	9.48	1.148	16.6	5.46	6.01	150	0.75	3.25	clear	
9:00 AM	-59.6	0.69	9.49	1.146	16.7	5.78	6.11	150	0.75	4.00	clear	
9:05 AM	-61.2	0.80	9.50	1.145	16.9	5.93	6.22	150	0.75	4.75	clear	
9:10 AM	-61.9	0.82	9.50	1.145	17.0	6.04	6.30	150	0.75	5.50	clear	
9:15 AM	-62.7	0.83	9.51	1.146	17.1	6.11	6.32	150	0.75	6.25	clear	
9:20 AM	-63.6	0.83	9.51	1.146	17.2	6.15	6.34	100	0.50	6.75	clear	

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-MAY-P4	

Sample Information

Sample ID:	114-MW78WR-79.0-20240522	Date:	5/22/2024 12:50:00 PM
Well ID:	114-MW78WR	Location Type:	BH
Duplicate ID:		Sampler:	DionU
Equipment:	Headspace meter: Ion # T-119270 Field param meter: ProbQuatro # 23K1042820.0 WL/int meter: Geotech # 8118AL		
Analysis:	Cr+6,Eh,pH(Unfiltered and Filtered),TCr(Unfiltered and Filtered)		
Comments:	Samples @ 1250		

Well Inspection

Well Located?	Yes	Well Diameter:	
Cap/J-Plug?:	yes	Well Action Needed?	No
Lid Condition:	good	Well Labeled?	yes
Ambient PID:	0 (ppmv)	Headspace PID:	0 (ppmv)
Notes:	None		

Water Level

Date:	5/22/2024 9:24:00 AM	Measured Well Depth:	84.60
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	4.62	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	5/22/2024 10:45:00 AM	End Date and Time:	5/22/2024 11:55:00 PM
Initial Pump Depth:	79	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Site: Garfield Avenue group of sites

Project #:

Event: 2024-MAY-P4

Sample Information			
Sample ID:	114-MW78WR-79.0-20240522	Date:	5/22/2024 12:50:00 PM
Well ID:	114-MW78WR	Location Type:	BH

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
10:40 AM	13.7	12.45	6.80	0.0075	17.8	8.70	4.62	200	1	1	Clear	None
10:45 AM	-36.5	10.94	6.88	0.0065	19.2	14.80	4.62	200	1	2	Clear	None
10:50 AM	-5.2	9.97	6.76	0.0057	18.8	25.20	5.20	200	1	3	Clear	None
10:55 AM	-54.2	0.89	9.51	1.4860	18.4	17.60	5.27	200	1	4	Clear	None
11:00 AM	-61.1	0.77	9.53	1.4770	19.0	27.10	5.30	200	1	5	Clear	None
11:05 AM	-63.7	0.79	9.52	1.4750	18.9	19.10	5.30	200	1	6	Clear	Done
11:10 AM	-66.2	0.80	9.55	1.4660	19.0	12.00	5.40	200	1	6	Clear	None
11:15 AM	-68.2	0.80	9.57	1.4650	19.4	14.20	5.38	200	1	7	Clear	None
11:20 AM	-7.2	0.75	9.63	1.4640	19.6	8.07	5.30	200	1	8	Clear	None
11:25 AM	-72.8	0.69	9.67	1.4630	19.6	4.94	5.30	200	1	9	Clear	None
11:30 AM	-74.9	0.66	9.73	1.4630	19.6	12.30	5.30	200	1	10	Clear	None
11:35 AM	-78.8	0.64	9.81	1.4660	19.5	7.58	5.30	200	1	11	Clear	None
11:40 AM	-88.4	0.68	9.60	1.4790	19.6	10.90	5.11	200	1	12	Clear	Odor
11:45 AM	-92.6	0.66	10.07	1.4860	19.6	9.49	5.11	200	1	13	Clear	None
11:50 AM	-94.9	0.66	10.07	1.4820	19.8	12.20	5.11	200	1	14	Clear	None
11:55 AM	-98.2	0.66	10.10	1.4820	19.9	13.60	5.11	200	1	15	Clear	None
12:00 PM	-99.5	0.67	10.11	1.4780	20.0	9.35	5.11	200	1	16	Clear	None
12:05 PM	-103.2	0.66	10.13	1.4740	19.9	8.21	5.11	200	1	17	Clear	None
12:10 PM	-104.8	0.66	10.13	1.4740	20.0	9.47	5.11	200	1	18	Clear	None
12:15 PM	-107.4	0.65	10.16	1.4750	20.0	15.10		200	1	19	Clear	None
12:20 PM	-111.5	0.67	10.17	1.4810	19.9	9.16	5.18	200	1	20	Clear	None
12:25 PM	-122.4	0.68	10.27	1.4890	19.8	14.20	5.25	200	1	21	Clear	None
12:30 PM	-123.3	0.69	10.27	1.4850	19.8	18.80	5.25	200	1	22	Clear	None
12:35 PM	-123.1	0.68	10.26	1.4830	19.9	21.80	5.30	200	1	23	Clear	None
12:40 PM	-124.1	0.69	10.28	1.4830	19.9	13.90	5.30	200	1	24	Clear	None

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-MAY-P4	

Sample Information

Sample ID:	114-MW78WR-81.5-20240529	Date:	5/29/2024 12:30:00 PM
Well ID:	114-MW78WR	Location Type:	BH
Duplicate ID:		Sampler:	Steve Wright
Equipment:			
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:			

Well Inspection

Well Located?	Yes	Well Diameter:	
Pad Condition:		Well Action Needed?	No
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:	good	Lid Type:	
Cap Condition:		Well Labeled?	yes
Notes:	None		

Water Level

Date:	5/29/2024 11:15:00 AM	Measured Well Depth:	85.00
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	5.61	Depth to LNAPL:	NE
Notes:	Sample interval 81.5'		

Purge Information

Begin Date and Time:	5/29/2024 11:20:00 AM	End Date and Time:	5/29/2024 12:10:00 PM
Initial Pump Depth:	81.5	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Project #:

Site: Garfield Avenue group of sites

Event: 2024-MAY-P4

Sample Information			
Sample ID:	114-MW78WR-81.5-20240529	Date:	5/29/2024 12:30:00 PM
Well ID:	114-MW78WR	Location Type:	BH

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
11:25 AM	11.7	2.22	9.96	1.161	16.3	5.49	5.61	100	0.50	0.50	clear	
11:30 AM	-62.3	0.82	10.24	1.165	16.3	6.50	5.63	100	0.50	1.00	clear	
11:35 AM	-72.0	0.77	10.10	1.164	16.4	4.61	5.64	100	0.50	1.50	clear	
11:40 AM	-84.9	0.73	10.02	1.164	16.5	3.63	5.65	100	0.50	2.00	clear	
11:45 AM	-90.2	0.67	10.07	1.163	17.7	3.40	5.66	100	0.50	2.50	clear	
11:50 AM	-94.9	0.63	10.09	1.163	18.3	3.34	5.68	100	0.50	3.00	clear	
12:00 PM	-100.6	0.63	10.07	1.163	16.9	3.44	5.69	100	0.50	4.00	clear	
12:05 PM	-101.5	0.62	10.09	1.162	17.1	3.40	5.69	100	0.50	4.50	clear	
12:10 PM	-102.0	0.61	10.09	1.162	17.2	3.35	5.69	100	0.50	5.00	clear	

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-MAY-P4	

Sample Information

Sample ID:	114-PZ-52WR-74.0-20240531	Date:	5/31/2024 11:50:00 AM
Well ID:	114-PZ-52WR	Location Type:	MW
Duplicate ID:		Sampler:	WallgrenB
Equipment:			
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:			

Well Inspection

Well Located?	Yes	Well Diameter:	
Pad Condition:		Well Action Needed?	
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:		Lid Type:	
Cap Condition:		Well Labeled?	
Notes:			

Water Level

Date:	5/31/2024 9:18:00 AM	Measured Well Depth:	76.00
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	7.90	Depth to LNAPL:	NE
Notes:	Sample interval 74.0’		

Purge Information

Begin Date and Time:	5/31/2024 9:44:00 AM	End Date and Time:	5/31/2024 11:45:00 AM
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-MAY-P4	

Sample Information			
Sample ID:	114-PZ-52WR-74.0-20240531	Date:	5/31/2024 11:50:00 AM
Well ID:	114-PZ-52WR	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
9:45 AM	-63.0	1.70	4.61	1.0060	19.30	1000.00	8.58	150	0.75	0.00	White	EVO / farts
9:50 AM	-81.6	0.52	4.55	1.6450	18.70	1000.00	8.71	150	0.75	0.75	Tan	Injection material
9:55 AM	-83.0	0.19	4.58	1.5500	18.70	1000.00	10.05	150	0.75	1.50	Tan	Inj mat / farts
10:00 AM	-86.5	0.20	4.58	1.5000	18.60	1000.00	10.30	150	0.75	2.25	Tan	Inj mat / farts
10:05 AM	-83.5	0.25	4.60	1.3840	18.70	1000.00	11.17	150	0.75	3.00	Tan	Inj mat / farts
10:10 AM	-86.4	0.11	4.60	1.3840	18.90	1000.00	11.45	150	0.75	3.75	Tan	Inj mat / farts
10:15 AM	-88.8	0.06	4.59	1.4170	18.70	1000.00	12.10	150	0.75	4.50	Tan	Inj mat / farts
10:20 AM	-83.4	0.06	4.50	1.4000	19.10	1000.00	12.58	150	0.75	5.25	Tan	Inj mat / farts
10:25 AM	-83.6	0.05	4.59	1.4340	19.10	1000.00	12.80	150	0.75	6.00	Tan	Inj mat / farts
10:30 AM	-76.4	0.06	4.59	1.4620	18.90	1000.00	13.45	150	0.75	6.75	Tan	Inj mat / farts
10:35 AM	-73.2	0.05	4.59	1.4720	18.70	1000.00	13.84	150	0.75	7.50	Tan	Inj mat / farts
10:40 AM	-70.3	0.05	4.58	1.5130	18.90	1000.00	14.30	150	0.75	8.25	Tan	Injection material
10:45 AM	-69.6	0.05	4.57	1.5540	19.10	1000.00	14.54	150	0.75	9.00	Tan	Injection material
10:50 AM	-64.2	0.04	4.57	1.6100	19.10	1000.00	14.82	150	0.75	9.75	Tan	Injection material
10:55 AM	-57.9	0.04	4.56	1.6550	19.10	1000.00	15.08	150	0.75	10.50	Tan	Injection material
11:00 AM								150	0.75	11.25		
11:05 AM	-79.3	0.05	4.55	1.7550	20.10	1000.00	14.91	150	0.75	12.00	Tan	Injection material
11:10 AM	-73.2	0.05	4.55	1.7490	22.10	1000.00	14.95	150	0.75	12.75	Tan	Injection material
11:15 AM	-61.0	0.06	4.54	1.7400	21.00	1000.00	14.95	150	0.75	13.50	Tan	Injection material
11:20 AM	-63.5	0.06	4.52	1.7980	2.00	1000.00	14.95	150	0.75	14.25	Tan	Injection material
11:25 AM	-59.5	0.09	4.51	2.0770	21.30	393.00	14.85	150	0.75	15.00	Tan	Injection material
11:30 AM	-58.8	0.07	4.51	2.1400	19.50	103.00	15.01	150	0.75	15.75	Amber	Injection material
11:35 AM	-63.8	0.06	4.50	2.1530	18.30	98.30	15.40	150	0.75	16.50	Amber	Injection material
11:40 AM	-63.4	0.05	4.53	1.8020	17.60	1000.00	16.00	150	0.75	17.25	Tan milky	Injection material

AECOM

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:
Site:	Garfield Avenue group of sites	Event: 2024-MAY-P4

Sample Information			
Sample ID:	114-PZ-66WR-84.0-20240531	Date:	5/31/2024 2:15:00 PM
Well ID:	114-PZ-66WR	Location Type:	MW
Duplicate ID:		Sampler:	WallgrenB
Equipment:			
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:			

Well Inspection			
Well Located?	Yes	Well Diameter:	
Pad Condition:		Well Action Needed?	
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:		Lid Type:	
Cap Condition:		Well Labeled?	
Notes:			

Water Level			
Date:	5/31/2024 12:51:00 PM	Measured Well Depth:	NM
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	8.10	Depth to LNAPL:	NE
Notes:	Sample interval 84.0		

Purge Information			
Begin Date and Time:	5/31/2024 1:06:00 PM	End Date and Time:	5/31/2024 2:10:00 PM
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries
Site: Garfield Avenue group of sites

Project #:
Event: 2024-MAY-P4

Sample Information			
Sample ID:	114-PZ-66WR-84.0-20240531	Date:	5/31/2024 2:15:00 PM
Well ID:	114-PZ-66WR	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
1:10 PM	56.7	2.07	7.21	2.3890	22.10	82.10	8.16	150	0.75	0.75	Yellow	None
1:15 PM	65.5	1.43	7.25	2.6570	21.60	36.50	8.15	150	0.75	1.50	Yellow	None
1:20 PM	69.3	1.13	7.27	2.6910	22.60	22.40	8.15	150	0.75	2.25	Yellow	None
1:25 PM	69.2	1.04	7.29	2.6830	23.40	16.90	8.15	150	0.75	3.00	Yellow	None
1:30 PM	71.0	0.82	7.29	2.7000	22.80	16.90	8.15	150	0.75	3.75	Yellow	None
1:35 PM	71.2	0.81	7.29	2.6980	23.10	11.30	8.15	150	0.75	4.50	Yellow	None
1:40 PM	73.1	0.79	7.30	2.6850	22.20	10.70	8.15	150	0.75	5.25	Yellow	None
1:45 PM	78.0	0.59	7.29	2.7040	20.30	9.86	8.15	150	0.75	6.00	Yellow	None
1:50 PM	78.9	0.48	7.29	2.6880	19.70	7.88	8.15	150	0.75	6.75	Yellow clear	None
1:55 PM	76.6	0.41	7.27	2.6830	20.50	7.82	8.15	150	0.75	7.50		
2:00 PM	79.3	0.37	7.25	2.6520	19.50	6.56	8.15	150	0.75	8.25	Yellow clear	None
2:05 PM	80.4	0.36	7.22	2.6740	19.20	6.01	8.15	150	0.75	9.00	Yellow clear	None
2:10 PM	81.0	0.33	7.23	2.6600	19.30	5.87	8.15	150	0.75	9.75	Yellow clear	None

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-JUN-BEDROCK	

Sample Information			
Sample ID:	114-MW58C-R-84.5-20240617	Date:	6/17/2024 1:55:00 PM
Well ID:	114-MW58C-R	Location Type:	MW
Duplicate ID:		Sampler:	MeyrowitzH
Equipment:	Headspace meter: MiniRAE 3000 # 10001310 Field param meter: YSI Pro Plus # 23k102392 WL/int meter: Solinst 101 # 519019		
Analysis:	Cr+6,Eh,pH(Unfiltered),TCr(Unfiltered),TOC,Sulfate, Ferrous Iron(Filtered)		
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:			

Well Inspection			
Well Located?	Yes	Well Diameter:	2
Pad Condition:		Well Action Needed?	No
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:	good	Lid Type:	
Cap Condition:		Well Labeled?	yes
Notes:			

Water Level			
Date:	6/17/2024 12:58:00 PM	Measured Well Depth:	NM
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	4.07	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	6/17/2024 1:15:00 PM	End Date and Time:	6/17/2024 1:50:00 PM
Initial Pump Depth:	84.5	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Site: Garfield Avenue group of sites

Project #:

Event: 2024-JUN-BEDROCK

Sample Information			
Sample ID:	114-MW58C-R-84.5-20240617	Date:	6/17/2024 1:55:00 PM
Well ID:	114-MW58C-R	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
1:20 PM	-119.4	2.65	10.95	1.0270	18.40	14.40	4.35	200	1.0	1.0	Clear	None
1:25 PM	-115.7	1.82	10.98	0.4860	17.80	12.60	4.42	200	1.0	2.0	Clear	None
1:30 PM	-102.1	3.97	11.08	0.4999	17.70	11.80	4.51	200	1.0	3.0	Clear	None
1:35 PM	-97.0	3.85	11.10	0.5510	17.40	11.00	4.60	200	1.0	4.0	Clear	None
1:40 PM	-92.8	3.66	11.12	0.5910	17.40	10.40	4.63	200	1.0	5.0	Clear	None
1:45 PM	-94.1	3.47	11.13	0.6180	17.40	9.71	4.65	200	1.0	6.0	Clear	None
1:50 PM	-97.2	3.38	11.14	0.6250	17.40	9.09	4.70	200	1.0	7.0	Clear	None

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Site: Garfield Avenue group of sites

Project #:

Event: 2024-JUN-BEDROCK

Sample Information			
Sample ID:	114-MW60C-R-117.5-20240619	Date:	6/19/2024 10:55:00 AM
Well ID:	114-MW60C-R	Location Type:	MW
Duplicate ID:	114-MW60C-R-117.5-20240619-X	Sampler:	MeyrowitzH
Equipment:	Headspace meter: MiniRAE 3000 # 10001310 Field param meter: YSI Pro Plus # 21k103659 WL/int meter: Solinst 101 # 519019		
Analysis:	Cr+6,Eh,pH(Unfiltered),TCr(Unfiltered),TOC,Sulfate, Ferrous Iron(Filtered)		
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:	Dup		

Well Inspection			
Well Located?	Yes	Well Diameter:	2
Pad Condition:		Well Action Needed?	
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:		Lid Type:	
Cap Condition:		Well Labeled?	
Notes:			

Water Level			
Date:	6/19/2024 9:05:00 AM	Measured Well Depth:	NM
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	4.44	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	6/19/2024 9:40:00 AM	End Date and Time:	6/19/2024 10:50:00 AM
Initial Pump Depth:	117.5	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Site: Garfield Avenue group of sites

Project #:

Event: 2024-JUN-BEDROCK

Sample Information			
Sample ID:	114-MW60C-R-117.5-20240619	Date:	6/19/2024 10:55:00 AM
Well ID:	114-MW60C-R	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
9:45 AM	-128.2	1.40	11.73	2.2620	20.60	48.50	4.49	200	1.0	1.0	With white flakes	None
10:10 AM	-146.8	0.92	12.05	1.1360	21.00	58.00	4.65	200	1.0	2.0	Clear	None
10:15 AM	-129.0	1.46	12.09	4.4490	18.20	26.70	4.77	200	1.0	3.0	Clear	None
10:20 AM	-129.6	0.66	12.13	3.4760	18.00	28.80	4.80	200	1.0	4.0	Clear	None
10:25 AM	-133.9	0.56	12.27	3.5220	18.80	10.60	4.93	200	1.0	5.0	Clear	None
10:30 AM	-134.0	0.44	12.28	3.5280	19.00	9.98	5.00	200	1.0	6.0	Clear	None
10:35 AM	-135.2	0.33	12.23	3.5070	19.40	9.66	5.11	200	1.0	7.0	Clear	None
10:40 AM	-133.6	0.30	12.20	3.5800	19.80	6.63		200	1.0	8.0	Clear	None
10:45 AM	-134.1	0.28	12.16	3.5830	20.40	5.88		200	1.0	9.0	Clear	None
10:50 AM	-129.0	0.27	12.11	3.5680	20.80	5.50		200	1.0	10.0	Clear	None

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-JUN-BEDROCK	

Sample Information

Sample ID:	114-MW61D-117.0-20240617	Date:	6/17/2024 11:05:00 AM
Well ID:	114-MW61D	Location Type:	MW
Duplicate ID:	114-MW61D-117.0-20240617-X	Sampler:	SalemI
Equipment:			
Analysis:	Cr+6,Eh,pH(Unfiltered),TCr(Unfiltered),TOC,Sulfate, Ferrous Iron(Filtered)		
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:			

Well Inspection

Well Located?	Yes	Well Diameter:	6
Pad Condition:		Well Action Needed?	
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:		Lid Type:	
Cap Condition:		Well Labeled?	
Notes:			

Water Level

Date:	6/17/2024 9:20:00 AM	Measured Well Depth:	NM
Is Well Dry?	Yes	Depth to DNAPL:	NE
Depth to Water:	9.76	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	6/17/2024 10:19:00 AM	End Date and Time:	6/17/2024 11:00:00 AM
Initial Pump Depth:	117	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

AECOM

Client: PPG Industries

Project #:

Site: Garfield Avenue group of sites

Event: 2024-JUN-BEDROCK

Sample Information			
Sample ID:	114-MW61D-117.0-20240617	Date:	6/17/2024 11:05:00 AM
Well ID:	114-MW61D	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
10:30 AM	-188.9	0.52	8.84	0.2753	21.60	9.96	10.51	200	0.5	0.5	Clear	Eggy
10:35 AM	-217.3	0.40	8.81	0.2703	23.30	9.09	12.80	200	0.5	1.0	Clear	Eggy
10:40 AM	-227.6	0.53	8.73	0.2722	24.40	8.99	14.90	200	0.5	1.5	Clear	Eggy
10:45 AM	-229.3	0.52	8.75	0.2716	24.40	8.00	15.70	200	0.5	2.0	Clear	Eggy
10:50 AM	-233.7	0.91	8.77	0.2739	25.10	8.13	16.81	200	0.5	2.5	Clear	Eggy
10:55 AM	-235.0	0.88	8.79	0.2740	25.20	8.26	17.05	200	0.5	3.0	Clear	Eggy
11:00 AM	-236.1	0.86	8.79	0.2741	25.20	8.33	17.09	200	0.5	3.5	Clear	Eggy

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-JUN-BEDROCK	

Sample Information

Sample ID:	114-MW61D-121.0-20240617	Date:	6/17/2024 1:40:00 PM
Well ID:	114-MW61D	Location Type:	MW
Duplicate ID:		Sampler:	SalemI
Equipment:			
Analysis:	Cr+6,Eh,pH(Unfiltered),TCr(Unfiltered),TOC,Sulfate, Ferrous Iron(Filtered)		
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:			

Well Inspection

Well Located?	Yes	Well Diameter:	6
Pad Condition:		Well Action Needed?	
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:		Lid Type:	
Cap Condition:		Well Labeled?	
Notes:			

Water Level

Date:	6/17/2024 12:11:00 PM	Measured Well Depth:	NM
Is Well Dry?	Yes	Depth to DNAPL:	NE
Depth to Water:	25.12	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	6/17/2024 12:25:00 PM	End Date and Time:	6/17/2024 1:35:00 PM
Initial Pump Depth:	121	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Site: Garfield Avenue group of sites

Project #:

Event: 2024-JUN-BEDROCK

Sample Information			
Sample ID:	114-MW61D-121.0-20240617	Date:	6/17/2024 1:40:00 PM
Well ID:	114-MW61D	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
12:35 PM	-208.1	4.08	8.82	0.2728	23.70	6.15	26.13	200	0.5	0.5	Clear	Eggy
12:40 PM	-231.2	3.31	8.80	0.2723	23.60	9.17	27.20	200	0.5	1.0	Clear	Eggy
12:45 PM	-233.5	3.07	8.79	0.2722	23.90	8.16	28.25	200	0.5	1.5	Clear	Eggy
12:50 PM	-235.6	2.83	8.16	0.2713	24.30	7.65	29.09	200	0.5	2.0	Clear	Eggy
12:55 PM	-236.5	2.59	8.77	0.2715	24.70	6.00	30.13	200	0.5	2.5	Clear	Eggy
1:00 PM	-235.2	2.01	8.75	0.2718	25.00	5.09	31.23	200	0.5	3.0	Clear	Eggy
1:05 PM	-234.8	1.91	8.74	0.2718	25.30	4.82	32.07	200	0.5	3.5	Clear	Eggy
1:10 PM	-235.0	1.72	8.74	0.2715	25.60	4.88	33.12	200	0.5	4.0	Clear	Eggy
1:15 PM							34.10	200	0.5	4.5	Clear	Eggy
1:20 PM	-235.2	1.10	8.76	0.2718	26.40	4.34	34.76	200	0.5	5.0	Clear	Eggy
1:25 PM	-236.0	1.03	8.75	0.2710	26.50	4.67	34.93	200	0.5	5.5	Clear	Eggy
1:30 PM	-231.9	0.98	8.72	0.2708	26.80	4.32	34.98	200	0.5	6.0	Clear	Eggy
1:35 PM	-233.8	0.94	8.76	0.2714	27.10	4.54	35.11	200	0.5	6.5	Clear	Eggy

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Site: Garfield Avenue group of sites

Project #:

Event: 2024-JUN-BEDROCK

Sample Information			
Sample ID:	114-MW61D-126.0-20240619	Date:	6/19/2024 10:35:00 AM
Well ID:	114-MW61D	Location Type:	MW
Duplicate ID:		Sampler:	SalemI
Equipment:			
Analysis:	Cr+6,Eh,pH(Unfiltered),TCr(Unfiltered),TOC,Sulfate, Ferrous Iron(Filtered)		
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:			

Well Inspection			
Well Located?	Yes	Well Diameter:	6
Pad Condition:		Well Action Needed?	
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:		Lid Type:	
Cap Condition:		Well Labeled?	
Notes:			

Water Level			
Date:	6/19/2024 9:08:00 AM	Measured Well Depth:	NM
Is Well Dry?	Yes	Depth to DNAPL:	NE
Depth to Water:	17.04	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	6/19/2024 9:20:00 AM	End Date and Time:	6/19/2024 10:30:00 AM
Initial Pump Depth:	126	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

AECOM

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-JUN-BEDROCK	

Sample Information			
Sample ID:	114-MW61D-126.0-20240619	Date:	6/19/2024 10:35:00 AM
Well ID:	114-MW61D	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
9:45 AM	-37.5	0.04	8.19	0.1310	18.92	23.40	17.41	200	0.5	0.5	Clear	Eggy
9:50 AM	-30.2	0.02	8.13	0.1330	20.57	17.90	17.87	200	0.5	1.0	Clear	Eggy
9:55 AM	-32.9	0.02	8.27	0.1370	22.30	16.50	18.27	200	0.5	1.5	Clear	Eggy
10:00 AM	-32.5	0.02	8.33	0.1380	22.59	13.00	19.36	200	0.5	2.0	Clear	Eggy
10:05 AM	-30.1	0.02	8.30	0.1380	22.58	13.70	20.72	200	0.5	2.5	Clear	Eggy
10:10 AM	-28.5	0.02	8.28	0.1380	22.57	14.00	21.24	200	0.5	3.0	Clear	Eggy
10:15 AM	-29.0	0.02	8.27	0.1380	22.59	15.80	22.31	200	0.5	3.5	Clear	Eggy
10:20 AM	-26.9	0.02	8.26	0.1370	22.62	9.30	23.42	200	0.5	4.0	Clear	Eggy
10:25 AM	-28.4	0.02	8.31	0.1390	22.69	9.50	23.61	200	0.5	4.5	Clear	Eggy
10:30 AM	-23.7	0.02	8.24	0.1400	22.76	8.70	23.71	200	0.5	5.0		

AECOM

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:
Site:	Garfield Avenue group of sites	Event: 2024-JUN-BEDROCK

Sample Information			
Sample ID:	114-MW61D-131.0-20240619	Date:	6/19/2024 12:50:00 PM
Well ID:	114-MW61D	Location Type:	MW
Duplicate ID:		Sampler:	SalemI
Equipment:			
Analysis:	Cr+6,Eh,pH(Unfiltered),TCr(Unfiltered),TOC,Sulfate, Ferrous Iron(Filtered)		
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:			

Well Inspection			
Well Located?	Yes	Well Diameter:	6
Pad Condition:		Well Action Needed?	
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:		Lid Type:	
Cap Condition:		Well Labeled?	
Notes:			

Water Level			
Date:	6/19/2024 11:35:00 AM	Measured Well Depth:	NM
Is Well Dry?	Yes	Depth to DNAPL:	NE
Depth to Water:	35.11	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	6/19/2024 12:18:00 PM	End Date and Time:	6/19/2024 12:50:00 PM
Initial Pump Depth:	131	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-JUN-BEDROCK	

Sample Information

Sample ID:	114-MW61D-131.0-20240619	Date:	6/19/2024 12:50:00 PM
Well ID:	114-MW61D	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
12:20 PM	-65.6	0.02	8.21	0.1520	23.42	23.10	39.45	200	0.5	3.5	Clearing	Eggy
12:25 PM	-62.6	0.04	8.21	0.1490	23.49	14.60	39.81	200	0.5	4.0	Clear	Eggy
12:30 PM	-48.9	0.03	8.22	0.1450	23.99	11.30	40.71	200	0.5	4.5	Clear	Eggy
12:35 PM	-50.1	0.03	8.26	0.1470	24.20	9.82	41.12	200	0.5	5.0	Clear	Eggy
12:40 PM	-50.9	0.03	8.30	0.1470	24.82	9.76	41.80	200	0.5	5.5	Clear	Eggy
12:45 PM	-51.2	0.03	8.31	0.1480	25.08	9.36	42.01	200	0.5	6.0	Clear	Eggy
12:50 PM Stop	-56.3	0.02	8.14	0.1720	22.58	67.20	42.08	200	0.5	1.0	Cloudy	Eggy

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-JUN-BEDROCK	

Sample Information

Sample ID:	114-MW61D-136.0-20240619	Date:	6/19/2024 2:35:00 PM
Well ID:	114-MW61D	Location Type:	MW
Duplicate ID:		Sampler:	SalemI
Equipment:			
Analysis:	Cr+6,Eh,pH(Unfiltered),TCr(Unfiltered),TOC,Sulfate, Ferrous Iron(Filtered)		
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:			

Well Inspection

Well Located?	Yes	Well Diameter:	6
Pad Condition:		Well Action Needed?	
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:		Lid Type:	
Cap Condition:		Well Labeled?	
Notes:			

Water Level

Date:	6/19/2024 1:05:00 PM	Measured Well Depth:	139.90
Is Well Dry?	Yes	Depth to DNAPL:	NE
Depth to Water:	46.65	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	6/19/2024 1:15:00 PM	End Date and Time:	6/19/2024 2:30:00 PM
Initial Pump Depth:	136	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

AECOM

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-JUN-BEDROCK	

Sample Information

Sample ID:	114-MW61D-136.0-20240619	Date:	6/19/2024 2:35:00 PM
Well ID:	114-MW61D	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
1:15 PM	-12.2	0.02	8.21	0.1510	20.10	1000.0	48.62	200	0.5	0.5	Cloudy	Eggy
1:20 PM	-15.2	0.02	8.05	0.1430	21.22	451.00	49.21	200	0.5	1.0	Cloudy	Eggy
1:25 PM	-18.8	0.02	7.94	0.1310	19.59	177.00	50.34	200	0.5	1.5	Cloudy	Eggy
1:30 PM	-24.7	0.01	7.65	0.1260	18.90	60.60	51.20	200	0.5	2.0	Cloudy	Eggy
1:35 PM	-40.2	0.01	7.96	0.1340	20.06	25.20	52.23	200	0.5	2.5	Cleari ng	Eggy
1:40 PM	-38.9	0.03	7.96	0.1340	21.85	19.60	53.82	200	0.5	3.0	Cleari ng	Eggy
1:45 PM	-40.4	0.02	7.99	0.1370	22.07	15.90	55.20	200	0.5	3.5	Cleari ng	Eggy
1:50 PM	-49.0	0.02	8.20	0.1430	24.50	13.50	56.34	200	0.5	4.0	Clear	Eggy
1:55 PM	-49.1	0.02	8.17	0.1420	24.52	13.60	57.45	200	0.5	4.5	Clear	Eggy
2:00 PM	-49.3	0.02	8.19	0.1430	24.48	12.50	58.12	200	0.5	5.0	Clear	Eggy
2:05 PM	-48.2	0.01	8.18	0.1440	24.50	13.20	58.86	200	0.5	5.5	Clear	Eggy
2:10 PM	-50.4	0.01	8.17	0.1440	24.50	11.80	58.95	200	0.5	6.0	Clear	Eggy
2:15 PM	-49.0	0.01	8.14	0.1440	24.60	10.80	59.05	200	0.5	6.5	Clear	Eggy
2:20 PM	-51.2	0.02	8.16	0.1470	24.70	9.91	59.16	200	0.5	7.0	Clear	Eggy
2:25 PM	-48.9	0.02	8.16	0.1470	24.80	9.15	59.23	200	0.5	7.5	Clear	Eggy
2:30 PM	-50.5	0.02	8.17	0.1470	25.10	9.54	59.35	200	0.5	8.0	Clear	Eggy

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-JUN-BEDROCK	

Sample Information			
Sample ID:	114-MW62C-73.0-20240617	Date:	6/17/2024 10:55:00 AM
Well ID:	114-MW62C	Location Type:	MW
Duplicate ID:		Sampler:	MeyrowitzH
Equipment:	Headspace meter: MiniRAE 3000 # 10001310 Field param meter: YSI Pro Plus # 23k102392 WL/int meter: Solinst 101 # 519019		
Analysis:	Cr+6,Eh,pH(Unfiltered),TCr(Unfiltered),TOC,Sulfate, Ferrous Iron(Filtered)		
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:			

Well Inspection			
Well Located?	Yes	Well Diameter:	
Pad Condition:		Well Action Needed?	No
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:	good	Lid Type:	
Cap Condition:		Well Labeled?	yes
Notes:			

Water Level			
Date:	6/17/2024 9:37:00 AM	Measured Well Depth:	75.05
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	8.66	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	6/17/2024 10:15:00 AM	End Date and Time:	6/17/2024 10:50:00 AM
Initial Pump Depth:	73	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Site: Garfield Avenue group of sites

Project #:

Event: 2024-JUN-BEDROCK

Sample Information			
Sample ID:	114-MW62C-73.0-20240617	Date:	6/17/2024 10:55:00 AM
Well ID:	114-MW62C	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
10:20 AM	119.3	0.77	6.98	1.1040	17.30	1.88	7.61	200	1.0	1.0	Clear	None
10:25 AM	103.6	0.43	6.96	1.1520	17.00	1.61	7.63	200	1.0	2.0	Clear	None
10:30 AM	94.5	0.39	6.94	1.1570	17.00	1.44	7.65	200	1.0	3.0	Clear	None
10:35 AM	85.2	0.43	6.94	1.1650	16.90	1.41	7.67	200	1.0	4.0	Clear	None
10:40 AM	81.5	0.32	6.94	1.1590	16.70	1.10	6.69	200	1.0	5.0	Clear	None
10:45 AM	77.7	0.50	6.94	1.1590	16.80	1.07	6.69	200	1.0	6.0	Clear	None
10:50 AM	74.0	0.37	6.94	1.1590	16.80	1.03	6.70	200	1.0	7.0	Clear	None

114-MW79WR-73.0

LOW FLOW SAMPLING DATA SHEET

SHEET 1 OF 1

SITE: 114 PPG
DATE: 6-19-24
WEATHER: 80s, SUN

CONSULTING FIRM:
FIELD PERSONNEL: SW

MONITOR WELL #: 114-MW79WR
WELL PERMIT #:
WELL DEPTH: 81 (FLUSH)
WELL DIAMETER: 4 inches
SCREENED/OPEN INTERVAL:

PID/FID READINGS (ppm):
BACKGROUND: 0
BENEATH OUTER CAP: 0
BENEATH INNER CAP: 0

PUMP INTAKE DEPTH: ___ ft below TOC
DEPTH TO WATER BEFORE PUMP INSTALLATION: ___ ft below TOC

TIME	PURGING	SAMPLING	pH (pH units) READING	pH CHANGE*	SPECIFIC CONDUCTIVITY (mS/cm) READING	SPECIFIC CONDUCTIVITY CHANGE*	REDOX POTENTIAL (mv) READING	REDOX POTENTIAL CHANGE*	DISSOLVED OXYGEN (mg/l) READING	DISSOLVED OXYGEN CHANGE*	TURBIDITY (NTU) READING	TURBIDITY CHANGE*	TEMPERATURE (degrees C) READING	TEMPERATURE CHANGE*	PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
0900	✓		11.91	NA	1575	NA	-86.8	NA	4.42	NA	24.0	NA	18.0	NA	200	6.57
0905	✓		11.71		1316		-120.4		1.26		11.2		18.1		200	6.67
0910	✓		11.56		1110		-179.7		0.76		6.62		18.2		200	6.77
0915	✓		11.56		1101		-186.2		0.68		5.25		18.1		200	6.79
0920	✓		11.57		1086		-194.4		0.64		4.27		18.1		200	6.81
0925	✓		11.51		1062		-199.8		0.68		4.88		18.2		200	6.82
0930	✓		11.47		1053		-201.9		0.72		5.05		18.3		200	6.82
0935																
0940																
0950		✓														

COMMENTS: V. SLIGHT YELLOW COLOR

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity

114-MW79WR-78.5-

LOW FLOW SAMPLING DATA SHEET

SHEET 1 OF 1

SITE: 114-PPG
DATE: 6-19-24
WEATHER: 80s, SUN

CONSULTING FIRM:
FIELD PERSONNEL: SW

MONITOR WELL #: 114-MW79WR
WELL PERMIT #:
WELL DEPTH: 81' (FLUSH)
WELL DIAMETER: 4 inches
SCREENED/OPEN INTERVAL:

PID/FID READINGS (ppm):
BACKGROUND: 0
BENEATH OUTER CAP: 0
BENEATH INNER CAP: 0

PUMP INTAKE DEPTH: ____ ft below TOC
DEPTH TO WATER BEFORE PUMP INSTALLATION: ____ ft below TOC

TIME	PURGING	SAMPLING	pH (pH units) READING	pH CHANGE*	SPECIFIC CONDUCTIVITY (mS/cm) READING	SPECIFIC CONDUCTIVITY CHANGE*	REDOX POTENTIAL (mv) READING	REDOX POTENTIAL CHANGE*	DISSOLVED OXYGEN (mg/l) READING	DISSOLVED OXYGEN CHANGE*	TURBIDITY (NTU) READING	TURBIDITY CHANGE*	TEMPERATURE (degrees C) READING	TEMPERATURE CHANGE*	PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
1000	✓		11.36	NA	1126	NA	-163.2	NA	0.73	NA	19.4	NA	17.4	NA	200	6.61
1005	✓		11.38		1128		-199.8		0.63		15.0		17.5		200	6.74
1010	✓		11.40		1129		-222.0		0.51		11.0		17.7		200	6.80
1015	✓		11.31		1097		-229.4		0.47		9.42		17.8		200	6.80
1020	✓		11.27		1078		-233.7		0.45		6.61		18.0		200	6.81
1025	✓		11.27		1074		-234.2		0.43		6.34		18.0		200	6.81
1030	✓		11.26		1069		-234.6		0.41		6.02		17.9		200	6.82
1035	✓		11.26		1066		-234.8		0.40		5.95		18.0		200	6.82
1040	✓		11.26		1064		-235.1		0.39		5.87		18.1		200	6.82
1100		✓														

COMMENTS: V. SLIGHT YELLOW COLOR

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-MAY-P4	

Sample Information

Sample ID:	114-MW80WR-86.5-20240627	Date:	6/27/2024 11:10:00 AM
Well ID:	114-MW80WR	Location Type:	MW
Duplicate ID:		Sampler:	Jenn Sabbak
Equipment:			
Analysis:			
Comments:			

Well Inspection

Well Located?	Yes	Well Diameter:	4
Cap/J-Plug?:		Well Action Needed?	
Lid Condition:		Well Labeled?	
Ambient PID:		Headspace PID:	
Notes:			

Water Level

Date:	6/27/2024 9:40:00 AM	Measured Well Depth:	NM
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	4.42	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	6/27/2024 9:50:00 AM	End Date and Time:	6/27/2024 11:05:00 AM
Initial Pump Depth:	86.5	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-MAY-P4	

Sample Information			
Sample ID:	114-MW80WR-86.5-20240627	Date:	6/27/2024 11:10:00 AM
Well ID:	114-MW80WR	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)
9:50 AM	-304.3	1.34	9.37	0.786	20.2	19.40	4.69	150	0.30	0.30	clear
9:55 AM	-337.9	0.53	9.26	0.780	20.0	19.50	4.69	150	0.30	0.60	
10:00 AM	-387.6	0.47	9.22	0.771	20.3	22.90	4.69	150	0.30	0.90	
10:05 AM	-410.3	0.41	9.22	0.769	19.9	25.90	4.80	150	0.30	1.20	
10:10 AM	-430.7	0.37	9.19	0.763	20.2	23.20	4.80	150	0.30	1.50	
10:15 AM	-439.8	0.42	9.22	0.755	20.3	26.70	4.80	150	0.30	4.80	
10:20 AM	-451.6	0.44	9.16	0.768	20.4	24.60	4.81	150	0.30	2.10	
10:25 AM	-458.6	0.45	9.13	0.774	20.2	17.70	4.81	150	0.30	2.40	
10:30 AM	-473.3	0.41	9.13	0.778	20.4	14.40	4.81	150	0.30	2.70	
10:35 AM	-476.0	0.41	9.13	0.784	20.4	13.60	4.81	150	0.30	3.00	
10:40 AM	-479.3	0.39	9.08	0.781	20.2	13.50	4.81	150	0.30	3.30	
10:45 AM	-472.9	0.36	9.02	0.802	20.3	14.40	4.81	150	0.30	3.60	
10:50 AM	-475.8	0.35	8.97	0.802	20.6	9.86	4.81	150	0.30	3.90	
10:55 AM	-476.8	0.34	8.96	0.805	20.7	9.77	4.81	150	0.30	4.20	
11:00 AM	-473.8	0.34	9.00	0.812	20.7	9.68	4.81	150	0.30	4.50	
11:05 AM	-469.3	0.33	8.91	0.808	20.9	9.60	4.81	150	0.30	4.80	

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Site: Garfield Avenue group of sites

Project #:

Event: 2024-MAY-P4

Sample Information			
Sample ID:	114-MW80WR-91.5-20240627	Date:	6/27/2024 2:15:00 PM
Well ID:	114-MW80WR	Location Type:	MW
Duplicate ID:		Sampler:	Jenn Sabbak
Equipment:			
Analysis:			
Comments:			

Well Inspection			
Well Located?	Yes	Well Diameter:	4
Cap/J-Plug?:		Well Action Needed?	
Lid Condition:		Well Labeled?	
Ambient PID:		Headspace PID:	
Notes:			

Water Level			
Date:	6/27/2024 12:50:00 PM	Measured Well Depth:	93.82
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	4.42	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	6/27/2024 12:50:00 PM	End Date and Time:	6/27/2024 2:10:00 PM
Initial Pump Depth:	91.5	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

AECOM

Client: PPG Industries

Site: Garfield Avenue group of sites

Project #:

Event: 2024-MAY-P4

Sample Information			
Sample ID:	114-MW80WR-91.5-20240627	Date:	6/27/2024 2:15:00 PM
Well ID:	114-MW80WR	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)
12:55 PM	-307.9	0.87	8.83	0.822	19.5	23.70	4.64	150	0.30	0.30	
1:00 PM	-339.6	0.66	8.84	0.802	19.4	23.10	4.76	150	0.30	0.60	
1:05 PM	-396.5	0.39	8.85	0.786	19.3	24.80	4.83	150	0.30	0.90	
1:10 PM	-434.0	0.39	8.84	0.773	19.1	22.60	4.85	150	0.30	1.20	
1:15 PM	-430.5	0.27	8.83	0.775	19.3	13.90	4.87	150	0.30	1.50	
1:20 PM	-449.5	0.17	8.80	0.779	19.4	11.90	4.88	150	0.30	1.80	
1:25 PM	-454.3	0.15	8.80	0.787	19.4	18.50	4.89	150	0.30	2.10	
1:30 PM	-453.7	0.15	8.76	0.800	19.2	18.90	4.90	150	0.30	2.40	
1:35 PM	-447.0	0.14	8.63	0.794	18.8	13.40	4.90	150	0.30	2.70	
1:40 PM	-450.0	0.14	8.63	0.784	19.4	13.70	4.90	150	0.30	3.00	
1:45 PM	-448.4	0.13	8.68	0.802	18.8	11.70	4.90	150	0.30	3.30	
1:50 PM	-445.9	0.13	8.75	0.797	19.4	10.40	4.90	150	0.30	3.60	
1:55 PM	-447.0	0.12	8.71	0.799	19.3	10.00	4.90	150	0.30	3.90	
2:00 PM	-446.1	0.12	8.67	0.805	19.4	9.66	4.90	150	0.30	4.20	
2:05 PM	-436.2	0.12	8.62	0.814	18.9	9.57	4.90	150	0.30	4.50	
2:10 PM	-441.1	0.11	8.65	0.812	19.1	9.47	4.90	150	0.30	4.80	

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-MAY-P4	

Sample Information

Sample ID:	114-PW-01WR-83.5-20240603	Date:	6/3/2024 11:05:00 AM
Well ID:	114-PW-01WR	Location Type:	
Duplicate ID:		Sampler:	WallgrenB
Equipment:			
Analysis:	Cr+6,Eh,pH(Unfiltered and Filtered),TCr(Unfiltered and Filtered),TOC,Sulfate,Fe/Mn (Filtered), Methane		
Comments:			

Well Inspection

Well Located?	Yes	Well Diameter:	
Cap/J-Plug?:		Well Action Needed?	
Lid Condition:		Well Labeled?	
Ambient PID:	0 (ppmv)	Headspace PID:	27.3 (ppmv)
Notes:			

Water Level

Date:	6/3/2024 9:42:00 AM	Measured Well Depth:	NM
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	9.71	Depth to LNAPL:	NE
Notes:	Sample interval 83.5’		

Purge Information

Begin Date and Time:	6/3/2024 9:55:00 AM	End Date and Time:	6/3/2024 11:00:00 AM
Initial Pump Depth:	83.5	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-MAY-P4	

Sample Information

Sample ID:	114-PW-01WR-83.5-20240603	Date:	6/3/2024 11:05:00 AM
Well ID:	114-PW-01WR	Location Type:	

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
10:00 AM	-233.5	0.76	8.32	1.1230	20.70	13.00	9.98	150	0.75	0.75	Clear	None
10:05 AM	-301.7	0.48	8.35	1.1330	19.30	12.20	10.05	150	0.75	1.50	Clear	None
10:10 AM	-302.1	0.38	8.35	1.1320	19.80	13.00	10.07	150	0.75	2.25	Clear	None
10:15 AM	-319.2	0.34	8.35	1.1280	20.20	20.40	10.06	150	0.75	3.00	Very slight yells	None
10:20 AM	-337.0	0.34	8.35	1.1340	20.30	23.60	10.08	150	0.75	3.75	V slight yellow	None
10:25 AM	-354.9	0.30	8.36	1.1250	19.90	20.90	10.12	150	0.75	4.50	V slight yellow	None
10:30 AM	-364.4	0.27	8.36	1.1230	19.50	15.30	10.15	150	0.75	5.25	V slight yellow	None
10:35 AM	-374.4	0.25	8.35	1.1270	19.60	14.60	10.16	150	0.75	6.00	V slight yellow	None
10:40 AM	-381.3	0.23	8.28	1.1530	19.90	12.00	10.16	150	0.75	6.75	V slight yellow	None
10:45 AM	-392.8	0.22	8.23	1.1810	20.30	11.50	10.16	150	0.75	7.50	V slight yellow	None
10:50 AM	-390.2	0.22	8.20	1.1920	19.90	9.63	10.16	150	0.75	8.25	V slight yellow	None
10:55 AM	-390.9	0.21	8.17	1.2040	20.10	9.52	10.16	150	0.75	9.00	V slight yellow	None
11:00 AM	-393.8	0.21	8.15	1.2090	20.30	8.76	10.16	150	0.75	9.75	V slight yellow	None

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-MAY-P4	

Sample Information

Sample ID:	114-PW-01WR-88.5-20240603	Date:	6/3/2024 1:10:00 PM
Well ID:	114-PW-01WR	Location Type:	
Duplicate ID:		Sampler:	WallgrenB
Equipment:			
Analysis:	Cr+6,Eh,pH(Unfiltered and Filtered),TCr(Unfiltered and Filtered),TOC,Sulfate,Fe/Mn (Filtered), Methane		
Comments:			

Well Inspection

Well Located?	Yes	Well Diameter:	
Cap/J-Plug?:		Well Action Needed?	
Lid Condition:		Well Labeled?	
Ambient PID:		Headspace PID:	
Notes:			

Water Level

Date:	6/3/2024 11:45:00 AM	Measured Well Depth:	94.70
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	9.82	Depth to LNAPL:	NE
Notes:	Sample interval 88.5’		

Purge Information

Begin Date and Time:	6/3/2024 11:51:00 AM	End Date and Time:	6/3/2024 1:05:00 PM
Initial Pump Depth:	88.5	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries
Project #:
Site: Garfield Avenue group of sites
Event: 2024-MAY-P4

Sample Information			
Sample ID:	114-PW-01WR-88.5-20240603	Date:	6/3/2024 1:10:00 PM
Well ID:	114-PW-01WR	Location Type:	

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
11:55 AM	-287.0	0.87	7.98	1.3080	20.30	82.70	10.02	150	0.75	0.75	Slight yellow	None
12:00 PM	-352.6	0.25	7.92	1.3870	20.80	39.50	10.07	150	0.75	1.50	Slight yellow	None
12:05 PM	-366.6	0.21	7.88	1.3990	20.70	33.10	10.08	150	0.75	2.25	Slight yellow	None
12:10 PM	-374.7	0.19	7.89	1.3920	20.20	24.40	10.09	150	0.75	3.00	Slight yellow	None
12:15 PM	-378.6	0.19	7.89	1.3910	20.30	23.00	10.09	150	0.75	3.75	Slight yellow	None
12:20 PM	-384.8	0.18	7.88	1.3840	20.50	19.60	10.09	150	0.75	4.50	Slight yellow	None
12:25 PM							10.09	150	0.75	5.25		
12:30 PM	-387.7	0.18	7.87	1.3840	20.60	16.70	10.09	150	0.75	6.00	Slight yellow	None
12:35 PM	-389.2	0.18	7.88	1.3830	20.70	13.40	10.09	150	0.75	6.75	Slight yellow	None
12:40 PM	-396.1	0.17	7.88	1.3800	20.70	12.90	10.09	150	0.75	7.50	Slight yellow	None
12:45 PM	-399.5	0.17	7.86	1.3850	21.70	11.00	10.01	150	0.75	8.25	Slight yellow	None
12:50 PM	-399.0	0.17	7.85	1.3880	22.20	10.60	10.02	150	0.75	9.00	Slight yellow	None
12:55 PM	-403.2	0.17	7.86	1.3890	21.00	9.69	10.02	150	0.75	9.75	Slight yellow	None
1:00 PM	-404.2	0.16	7.86	1.3930	21.30	9.88	10.02	150	0.75	10.50	Slight yellow	None
1:05 PM	-407.7	0.17	7.87	1.3940	21.20	9.75	10.02	150	0.75	11.25	Slight yellow	None

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-MAY-P4	

Sample Information

Sample ID:	114-PW-02WR-88.8-20240606	Date:	6/6/2024 8:55:00 AM
Well ID:	114-PW-02WR	Location Type:	
Duplicate ID:		Sampler:	WallgrenB
Equipment:			
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:			

Well Inspection

Well Located?	Yes	Well Diameter:	
Pad Condition:		Well Action Needed?	
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:		Lid Type:	
Cap Condition:		Well Labeled?	
Notes:			

Water Level

Date:	6/6/2024 8:12:00 AM	Measured Well Depth:	NM
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	10.38	Depth to LNAPL:	NE
Notes:	Sample interval 88.8’		

Purge Information

Begin Date and Time:	6/6/2024 8:14:00 AM	End Date and Time:	6/6/2024 8:50:00 AM
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Project #:

Site: Garfield Avenue group of sites

Event: 2024-MAY-P4

Sample Information			
Sample ID:	114-PW-02WR-88.8-20240606	Date:	6/6/2024 8:55:00 AM
Well ID:	114-PW-02WR	Location Type:	

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
8:15 AM	-38.2	2.96	11.77	2.033	19.6	20.10	10.45	150	0.75	0.00	Yellow	Nome
8:20 AM	-76.0	1.21	9.11	1.613	20.0	4.60	10.47	150	0.75	0.75	Yellow	None
8:25 AM	-139.1	0.64	7.89	1.739	20.1	1.78	10.47	150	0.75	1.50	Yellow	None
8:30 AM	-152.6	0.57	7.88	1.748	20.3	1.61	10.47	150	0.75	2.25	Yellow	None
8:35 AM	-176.0	0.46	7.89	1.757	20.6	1.36	10.47	150	0.75	3.00	Yellow	None
8:40 AM	-188.3	0.40	7.90	1.760	20.8	1.39	10.47	150	0.75	3.75	Yellow	None
8:45 AM	-192.3	0.40	7.90	1.759	20.8	1.36	10.49	150	0.75	4.50	Yellow	None
8:50 AM	-197.3	0.40	7.90	1.761	21.0	1.30	10.49	150	0.75	5.25	Yellow	None

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-MAY-P4	

Sample Information			
Sample ID:	114-PW-02WR-93.8-20240606	Date:	6/6/2024 11:40:00 AM
Well ID:	114-PW-02WR	Location Type:	
Duplicate ID:		Sampler:	WallgrenB
Equipment:			
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:			

Well Inspection			
Well Located?	Yes	Well Diameter:	
Pad Condition:		Well Action Needed?	
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:		Lid Type:	
Cap Condition:		Well Labeled?	
Notes:			

Water Level			
Date:	6/6/2024 9:30:00 AM	Measured Well Depth:	96.28
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	10.42	Depth to LNAPL:	NE
Notes:	Sample interval 93.8’		

Purge Information			
Begin Date and Time:	6/6/2024 9:31:00 AM	End Date and Time:	6/6/2024 11:35:00 AM
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

AECOM

Client: PPG Industries

Site: Garfield Avenue group of sites

Project #:

Event: 2024-MAY-P4

Sample Information			
Sample ID:	114-PW-02WR-93.8-20240606	Date:	6/6/2024 11:40:00 AM
Well ID:	114-PW-02WR	Location Type:	

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
9:35 AM	-193.2	0.43	8.02	1.791	18.8	10.10	10.53	150	0.75	0.75	Yellow	None
9:40 AM	-195.7	0.31	8.15	1.808	19.5	9.80	10.53	150	0.75	1.50	Yellow	None
9:45 AM	-184.6	0.26	8.15	1.811	20.4	9.77	10.53	150	0.75	2.25	Yellow	None
9:50 AM	-181.7	0.26	8.07	1.841	20.3	14.80	10.53	150	0.75	3.00	Yellow	None
9:55 AM	-190.2	0.24	8.03	1.813	20.5	18.40	10.53	150	0.75	3.75	Yellow	None
10:00 AM	-199.8	0.24	7.94	1.844	20.4	20.40	10.53	150	0.75	4.50	Yellow	None
10:05 AM	-205.9	0.24	8.02	1.838	20.1	17.10	10.53	150	0.75	5.25	Yellow	None
10:10 AM	-208.4	0.22	7.94	1.841	19.3	20.90	10.53	150	0.75	6.00	Yellow	None
10:15 AM	-214.1	0.19	7.90	1.785	19.9	19.20	10.53	150	0.75	6.75	Yellow	None
10:20 AM	-214.7	0.20	7.89	1.807	19.8	22.40	10.53	150	0.75	7.50	Yellow	None
10:25 AM	-217.4	0.19	7.89	1.797	21.6	24.40	10.53	150	0.75	8.25	Yellow	None
10:30 AM	-216.0	0.21	7.89	1.806	21.6	18.90	10.53	150	0.75	9.00	Yellow	None
10:35 AM	-215.6	0.21	7.91	1.799	21.5	17.40	10.53	150	0.75	9.75	Yellow	None
10:40 AM	-217.9	0.22	7.91	1.800	21.2	14.10	10.53	150	0.75	10.50	Yellow	None
10:45 AM	-218.0	0.22	7.90	1.805	21.1	17.00	10.53	150	0.75	11.25	Yellow	None
10:50 AM	-221.4	0.22	7.90	1.798	20.6	16.90	10.53	150	0.75	12.00	Yellow	None
10:55 AM	-224.1	0.21	7.89	1.797	21.1	15.60	10.53	150	0.75	12.75	Yellow	Nome
11:00 AM	-229.8	0.24	7.90	1.816	20.0	17.10	10.53	150	0.75	13.50	Yellow	None
11:05 AM	-237.9	0.22	7.91	1.774	21.3	15.00	10.53	150	0.75	14.25	Yellow	None
11:10 AM	-244.3	0.22	7.91	1.791	20.2	9.94	10.53	150	0.75	15.00	Yellow	None
11:15 AM	-255.2	0.21	7.90	1.786	19.9	8.05	10.53	150	0.75	15.75	Yellow	None
11:20 AM	-264.7	0.20	7.87	1.788	19.9	5.72	10.53	150	0.75	16.50	Yellow	None
11:25 AM	-272.4	0.19	7.83	1.802	19.9	4.23	10.53	150	0.75	17.25	Yellow	None
11:30 AM	-277.0	0.19	7.80	1.799	20.3	4.87	10.53	150	0.75	18.00	Yellow	None
11:35 AM	-281.1	0.19	7.79	1.809	20.5	3.50	10.53	150	0.75	18.75	Yellow	None

114-PW-03WR-81.0

LOW FLOW SAMPLING DATA SHEET

SHEET 1 OF 1

SITE:
DATE: 6-20-24
WEATHER: 90s, SUN

CONSULTING FIRM:
FIELD PERSONNEL: SW

MONITOR WELL #: 114-PW-03WR WELL DEPTH: 91' (+3.5' STICKUP) SCREENED/OPEN INTERVAL: 81-91
WELL PERMIT #: WELL DIAMETER: 4 inches

PID/FID READINGS (ppm): BACKGROUND: 0
BENEATH OUTER CAP: 0
BENEATH INNER CAP: 0

PUMP INTAKE DEPTH: ____ ft below TOC
DEPTH TO WATER BEFORE PUMP INSTALLATION: ____ ft below TOC

TIME	PURGING	SAMPLING	pH (pH units) READING	pH CHANGE*	SPECIFIC CONDUCTIVITY (mS/cm) READING	SPECIFIC CONDUCTIVITY CHANGE*	REDOX POTENTIAL (mv) READING	REDOX POTENTIAL CHANGE*	DISSOLVED OXYGEN (mg/l) READING	DISSOLVED OXYGEN CHANGE*	TURBIDITY (NTU) READING	TURBIDITY CHANGE*	TEMPERATURE (degrees C) READING	TEMPERATURE CHANGE*	PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
0810	✓		11.70	NA	1391	NA	-7.2	NA	4.93	NA	24.9	NA	17.7	NA	200	10.80
0815	✓		9.55		2603		41.7		2.99		24.4		17.9		200	10.80
0820	✓		7.11		3230		126.8		1.64		26.6		18.0		200	10.80
0825	✓		7.13		3221		126.3		1.46		20.8		17.9		200	10.80
0830	✓		7.14		3223		125.5		0.88		17.3		17.8		200	10.80
0835	✓		7.13		3217		128.6		0.94		10.7		17.8		200	10.80
0840	✓		7.12		3213		130.2		1.04		8.02		18.0		200	10.80
0845	✓		7.13		3210		129.6		1.01		7.42		18.0		200	10.80
0850	✓		7.14		3203		129.4		0.99		6.06		17.8		200	10.80
0910																

COMMENTS: Yellow

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity

114-PW-03WR-92.0

LOW FLOW SAMPLING DATA SHEET

SHEET 1 OF 1

SITE:
DATE: 6-20-24
WEATHER: 90s, SUN
CONSULTING FIRM:
FIELD PERSONNEL: SW

MONITOR WELL #: 114-PW-03WR
WELL PERMIT #:
WELL DEPTH: 91 (+3.5 S.U)
WELL DIAMETER: 4 inches
SCREENED/OPEN INTERVAL:

PID/FID READINGS (ppm): BACKGROUND:
BENEATH OUTER CAP:
BENEATH INNER CAP:
PUMP INTAKE DEPTH: ft below TOC
DEPTH TO WATER BEFORE PUMP INSTALLATION : ft below TOC

TIME	PURGING	SAMPLING	pH (pH units)		SPECIFIC CONDUCTIVITY (mS/cm)		REDOX POTENTIAL (mv)		DISSOLVED OXYGEN (mg/l)		TURBIDITY (NTU)		TEMPERATURE (degrees C)		PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
			READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*		
0920	✓		7.14	NA	3127	NA	115.8	NA	0.72	NA	11.4	NA	20.6	NA	200	10.80
0925	✓		7.15		3166		113.3		0.70		18.2		19.3		200	10.80
0930	✓		7.16		3210		112.1		0.69		19.7		17.7		200	10.80
0935	✓		7.10		3210		116.0		0.70		18.9		17.6		200	10.80
0940	✓		7.07		3209		118.8		0.73		17.2		17.5		200	10.80
0945	✓		7.10		3211		119.3		0.68		18.3		17.7		200	10.80
0950	✓		7.13		3216		120.8		0.65		20.8		17.7		200	10.80
0955	✓		7.15		3218		120.4		0.59		16.2		17.5		200	10.80
1000	✓		7.15		3217		118.1		0.51		14.4		17.5		200	10.80
1005	✓		7.13		3216		118.5		0.55		9.48		17.8		200	10.80
1010	✓		7.12		3213		119.2		0.60		8.86		17.9		200	10.80

COMMENTS: YELLOW DUP-4 COLLECTED @ 1035
1030

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity

LOW FLOW SAMPLING DATA SHEET

SHEET 1 OF 2

SITE: 114 APG
DATE: 6-6-24
WEATHER: 70S RAIN

CONSULTING FIRM:
FIELD PERSONNEL: SCO

MONITOR WELL #: 114-PW-05WR
WELL PERMIT #:
WELL DEPTH: 91' + 3.5' STICKUP
WELL DIAMETER: 4 inches
SCREENED/OPEN INTERVAL:

X

PID/FID READINGS (ppm):
BACKGROUND: 0
BENEATH OUTER CAP: 0
BENEATH INNER CAP: 0

PUMP INTAKE DEPTH: ft below TOC
DEPTH TO WATER BEFORE PUMP INSTALLATION : ft below TOC

TIME	PURGING	SAMPLING	pH (pH units) READING	pH CHANGE*	SPECIFIC CONDUCTIVITY (mS/cm) READING	CHANGE*	REDOX POTENTIAL (mv) READING	CHANGE*	DISSOLVED OXYGEN (mg/l) READING	CHANGE*	TURBIDITY (NTU) READING	CHANGE*	TEMPERATURE (degrees C) READING	CHANGE*	PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
0830	✓		9.22	NA	523	NA	100.8	NA	4.53	NA	36.0	NA	18.2	NA	200	9.30
0835	✓		8.28		901		-155.9		1.88		39.4		18.4		150	9.32
0840	✓		7.84		999		-393.8		0.50		42.1		18.6		150	9.33
0845	✓		7.85		998		-407.2		0.46		35.7		18.5		150	9.35
0850	✓		7.88		995		-478.0		0.44		30.3		18.5		150	9.35
0855	✓		7.88		995		-780.1		0.46		25.6		19.0		150	9.35
0900	✓		7.88		999		-461.2		0.49		21.4		19.6		150	9.36
0905	✓		7.87		927		-460.7		0.44		20.8		19.4		150	9.36
0910	✓		7.87		899		-460.2		0.38		20.1		19.4		150	9.37
0915	✓		7.86		989		-461.5		0.36		20.9		19.8		150	9.37
0920	✓		7.86		1008		-463.1		0.33		22.1		19.3		150	9.87
0925			7.85		1008		-464.0		0.32		17.3		19.2		150	9.38
0930	✓		7.85		1009		-465.5		0.31		12.8		19.2		150	9.30

COMMENTS:

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity

114- PW- 05WR-06.1

NEW JERSEY DEPARTMENTAL OF ENVIRONMENTAL PROTECTION
Low Flow Purging and Sampling Guidance
Page 15 of 18

LOW FLOW SAMPLING DATA SHEET

SHEET 2 OF 2

SITE:
DATE: 6-6-24
WEATHER:

CONSULTING FIRM:
FIELD PERSONNEL: SW

MONITOR WELL #: 114-PW-05WR
WELL PERMIT #:
WELL DEPTH: 91+3.5 'S.U.-
WELL DIAMETER: 4 inches
SCREENED/OPEN INTERVAL:

PID/FID READINGS (ppm): BACKGROUND: 0
BENEATH OUTER CAP: 0
BENEATH INNER CAP: 0

PUMP INTAKE DEPTH: ft below TOC
DEPTH TO WATER BEFORE PUMP INSTALLATION : ft below TOC

TIME	PURGING	SAMPLING	pH (pH units) READING	pH CHANGE*	SPECIFIC CONDUCTIVITY (mS/cm) READING	SPECIFIC CONDUCTIVITY CHANGE*	REDOX POTENTIAL (mv) READING	REDOX POTENTIAL CHANGE*	DISSOLVED OXYGEN (mg/l) READING	DISSOLVED OXYGEN CHANGE*	TURBIDITY (NTU) READING	TURBIDITY CHANGE*	TEMPERATURE (degrees C) READING	TEMPERATURE CHANGE*	PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
0935	✓		7.84	NA	1009	NA	-460.3	NA	0.35	NA	12.6	NA	19.5	NA	150	9.38
0940	✓		7.84		1012		-459.0		0.34		12.4		19.8		150	9.38
0945	✓		7.84		1016		-458.7		0.32		11.9		19.8		150	9.39
0950	✓		7.84		1018		-458.2		0.31		11.2		19.9		150	9.39
0955	✓		7.83		1019		-458.1		0.30		8.81		20.0		150	9.39
1000	✓		7.83		1019		-457.2		0.30		8.68		20.2		150	9.39
1020		✓														

COMMENTS: V. SLIGHT YELLOW COLOR

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity

NEW JERSEY DEPARTMENTAL OF ENVIRONMENTAL PROTECTION
Low Flow Purging and Sampling Guidance
Page 15 of 18

LOW FLOW SAMPLING DATA SHEET

SHEET 1 OF 2

SITE: 714 PPG
DATE: 6-6-24
WEATHER: 70s, RAIN

CONSULTING FIRM:
FIELD PERSONNEL: SW

MONITOR WELL #: 114
WELL PERMIT #:
WELL DEPTH: 9' + 3.5' S.U.
WELL DIAMETER: inches
SCREENED/OPEN INTERVAL:

PID/FID READINGS (ppm): BACKGROUND: 0
BENEATH OUTER CAP: 0
BENEATH INNER CAP: 0

PUMP INTAKE DEPTH: ft below TOC
DEPTH TO WATER BEFORE PUMP INSTALLATION : ft below TOC

TIME	PURGING	SAMPLING	pH (pH units) READING	pH CHANGE*	SPECIFIC CONDUCTIVITY (mS/cm) READING	SPECIFIC CONDUCTIVITY CHANGE*	REDOX POTENTIAL (mv) READING	REDOX CHANGE*	DISSOLVED OXYGEN (mg/l) READING	DO CHANGE*	TURBIDITY (NTU) READING	TURBIDITY CHANGE*	TEMPERATURE (degrees C) READING	TEMPERATURE CHANGE*	PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
1025	✓		7.79	NA	1034	NA	-371.8	NA	0.61	NA	15.6	NA	19.5	NA	200	9.32
1030	✓		7.77		1036		-368.2		0.34		29.6		19.4		150	9.33
1035	✓		7.75		1039		-357.9		0.25		34.2		19.2		150	9.33
1040	✓		7.75		1041		-351.6		0.26		28.0		19.1		150	9.34
1045	✓		7.75		1042		-341.8		0.28		24.1		19.1		150	9.34
1050	✓		7.75		1042		-337.3		0.29		24.2		19.0		150	9.34
1055	✓		7.75		1042		-333.8		0.29		24.4 ~~28.2~~		19.0		150	9.35
1100	✓		7.75		1042		-332.1		0.29		18.8		19.1		150	9.35
1105	✓		7.74		1042		-330.4		0.29		15.8		19.1		150	9.35
1110	✓		7.74		1042		-327.9		0.28		19.0		19.2		150	9.36
1115	✓		7.74		1042		-325.8		0.29		21.6		19.2		150	9.36
1120			7.74		1042		-323.4		0.28		21.8		19.3		150	9.36
1125			7.74		1042		-323.7		0.28		21.2		19.4		150	

COMMENTS:

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity

LOW FLOW SAMPLING DATA SHEET

SHEET 2 OF 2

SITE:
DATE: 6-6-24
WEATHER: 70s, RAIN

CONSULTING FIRM:
FIELD PERSONNEL: SCO

MONITOR WELL #: 14-PN-05WR
WELL DEPTH: 91+3.5 S.O.
SCREENED/OPEN INTERVAL:
WELL PERMIT #:
WELL DIAMETER: inches

PID/FID READINGS (ppm):
BACKGROUND: 0
BENEATH OUTER CAP: 0
BENEATH INNER CAP: 0

PUMP INTAKE DEPTH: ft below TOC
DEPTH TO WATER BEFORE PUMP INSTALLATION : ft below TOC

TIME	PURGING	SAMPLING	pH (pH units) READING	pH CHANGE*	SPECIFIC CONDUCTIVITY (mS/cm) READING	SPECIFIC CONDUCTIVITY CHANGE*	REDOX POTENTIAL (mv) READING	REDOX POTENTIAL CHANGE*	DISSOLVED OXYGEN (mg/l) READING	DISSOLVED OXYGEN CHANGE*	TURBIDITY (NTU) READING	TURBIDITY CHANGE*	TEMPERATURE (degrees C) READING	TEMPERATURE CHANGE*	PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
1130	✓		7.74	NA	1042	NA	-323.9	NA	0.28	NA	20.8	NA	19.3	NA	150	9.37
1135	✓		7.74		1045		-325.1		0.28		19.3		19.2		150	9.38
1140	✓		7.75		1044		-324.7		0.27		20.6		19.1		150	9.88
1145	✓		7.75		1046		-323.8		0.27		18.4		19.3		150	9.38
1150	✓		7.74		1043		-323.2		0.27		21.1		19.4		150	9.38
1155	✓		7.74		1045		-322.4		0.27		19.2		19.4		150	9.39
1215		✓														

COMMENTS:

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-MAY-P4	

Sample Information

Sample ID:	114-PW-06WR-81.5-20240603	Date:	6/3/2024 11:45:00 AM
Well ID:	114-PW-06WR	Location Type:	BH
Duplicate ID:		Sampler:	SalemI
Equipment:			
Analysis:	Cr+6,Eh,pH(Unfiltered and Filtered),TCr(Unfiltered and Filtered),TOC,Sulfate,Fe/Mn (Filtered), Methane		
Comments:	81.5 Target interval		

Well Inspection

Well Located?	Yes	Well Diameter:	
Cap/J-Plug?:		Well Action Needed?	
Lid Condition:		Well Labeled?	
Ambient PID:	0 (ppmv)	Headspace PID:	0.5 (ppmv)
Notes:			

Water Level

Date:	6/3/2024 9:10:00 AM	Measured Well Depth:	NM
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	9.86	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	6/3/2024 9:57:00 AM	End Date and Time:	6/3/2024 11:40:00 AM
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-MAY-P4	

Sample Information			
Sample ID:	114-PW-06WR-81.5-20240603	Date:	6/3/2024 11:45:00 AM
Well ID:	114-PW-06WR	Location Type:	BH

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
10:10 AM	68.3	1.04	8.33	1.0580	20.90	12.60	10.10	100	0.50	0.50	Clear	None
10:15 AM	15.5	0.62	8.29	1.0290	20.70	3.28	10.24	100	0.50	1.00	Clear	None
10:20 AM	-3.1	0.55	8.28	1.0310	20.80	3.29	10.43	100	0.50	1.50	Clear	None
10:25 AM	-17.8	0.62	8.28	1.0300	20.20	4.30	10.68	100	0.50	2.00	Clear	None
10:30 AM	-28.8	0.99	8.27	1.0340	20.20	4.78	10.69	100	0.50	2.50	Clear	None
10:35 AM	-47.5	1.07	8.27	1.0280	20.50	4.16	10.69	100	0.50	3.00	Clear	None
10:40 AM	-65.3	0.52	8.27	1.0220	21.00	6.58	10.69	100	0.50	3.50	Clear	None
10:45 AM	-82.6	0.40	8.27	1.0310	21.10	5.57	10.69	100	0.50	4.00	Clear	None
10:50 AM	-96.7	0.39	8.24	1.0340	21.80	3.45	10.69	100	0.50	4.50	Clear	None
10:55 AM	-120.9	0.46	8.22	1.0580	21.10	3.08	10.69	100	0.50	5.00	Clear	None
11:00 AM	-159.5	0.40	8.21	1.0370	21.50	3.23	10.69	100	0.50	5.50	Clear	None
11:05 AM	-173.6	0.39	8.20	1.0390	22.10	3.47	10.69	100	0.50	6.00	Clear	None
11:10 AM	-190.5	0.34	8.18	1.0990	21.40	2.91	10.69	100	0.50	6.50	Clear	None
11:15 AM	-105.0	0.31	8.17	1.0710	21.70	3.23	10.69	100	0.50	7.00	Clear	None
11:20 AM	-220.0	0.27	8.16	1.0570	21.90	3.51	10.69	100	0.50	7.50	Clear	None
11:25 AM	-225.0	0.28	8.14	1.0600	22.00	3.51	10.69	100	0.50	8.00	Clear	None
11:30 AM	-234.0	0.28	8.13	1.0630	22.30	3.53	10.69	100	0.50	8.50	Clear	None
11:35 AM	-241.0	0.29	8.10	1.0660	22.60	3.77	10.69	100	0.50	9.00	Clear	None
11:40 AM	-242.0	0.31	8.08	1.0740	22.00	3.58	10.69	100	0.50	9.50	Clear	None

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-MAY-P4	

Sample Information

Sample ID:	114-PW-06WR-86.5-20240603	Date:	6/3/2024 1:50:00 PM
Well ID:	114-PW-06WR	Location Type:	BH
Duplicate ID:		Sampler:	SalemI
Equipment:			
Analysis:	Cr+6,Eh,pH(Unfiltered and Filtered),TCr(Unfiltered and Filtered),TOC,Sulfate,Fe/Mn (Filtered), Methane		
Comments:			

Well Inspection

Well Located?	Yes	Well Diameter:	
Cap/J-Plug?:		Well Action Needed?	
Lid Condition:		Well Labeled?	
Ambient PID:	0 (ppmv)	Headspace PID:	0.5 (ppmv)
Notes:			

Water Level

Date:	6/3/2024 12:54:00 PM	Measured Well Depth:	92.81
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	10.15	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	6/3/2024 1:00:00 PM	End Date and Time:	6/3/2024 1:45:00 PM
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

AECOM

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-MAY-P4	

Sample Information			
Sample ID:	114-PW-06WR-86.5-20240603	Date:	6/3/2024 1:50:00 PM
Well ID:	114-PW-06WR	Location Type:	BH

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
1:10 PM	-74.6	0.49	8.03	1.1060	20.30	8.07	11.10	100	0.50	0.50	Clear	None
1:15 PM	-220.8	0.25	8.08	1.0940	21.10	4.01	11.50	100	0.50	1.00	Clear	None
1:20 PM	-235.8	0.25	8.07	1.0940	20.90	4.50	11.71	100	0.50	1.50	Clear	None
1:25 PM	-252.8	0.24	8.06	1.0930	20.80	5.21	12.05	100	0.50	2.00	Clear	None
1:30 PM	-260.1	0.23	8.05	1.0980	21.00	5.15	12.28	100	0.50	2.50	Clear	None
1:35 PM	-269.6	0.22	8.05	1.1030	21.20	5.10	12.33	100	0.50	3.00	Clear	None
1:40 PM	-272.1	0.23	8.05	1.1010	21.30	5.19	12.35	100	0.50	3.50	Clear	None
1:45 PM	-275.0	0.23	8.05	1.0960	21.40	5.31	12.37	100	0.50	4.00	Clear	None

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-MAY-P4	

Sample Information

Sample ID:	114-PW-07WR-72.0-20240612	Date:	6/12/2024 10:30:00 AM
Well ID:	114-PW-07WR	Location Type:	
Duplicate ID:		Sampler:	WallgrenB
Equipment:			
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:			

Well Inspection

Well Located?	Yes	Well Diameter:	
Pad Condition:		Well Action Needed?	
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:		Lid Type:	
Cap Condition:		Well Labeled?	
Notes:			

Water Level

Date:	6/12/2024 8:41:00 AM	Measured Well Depth:	NM
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	10.86	Depth to LNAPL:	NE
Notes:	Sample interval 72.0’		

Purge Information

Begin Date and Time:	6/12/2024 9:00:00 AM	End Date and Time:	6/12/2024 10:25:00 AM
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:
Site:	Garfield Avenue group of sites	Event: 2024-MAY-P4

Sample Information			
Sample ID:	114-PW-07WR-72.0-20240612	Date:	6/12/2024 10:30:00 AM
Well ID:	114-PW-07WR	Location Type:	

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
9:05 AM	-88.0	0.65	9.13	0.850	18.5	27.50	10.89	150	0.75	0.75	Clear	None
9:10 AM	-114.9	0.51	9.11	0.861	18.3	22.80	10.88	150	0.75	1.50	Clear	None
9:15 AM	-146.6	0.37	9.12	0.856	18.2	20.90	10.88	150	0.75	2.25	Clear	None
9:20 AM	-158.4	0.34	9.12	0.857	18.5	19.40	10.86	150	0.75	3.00	Clear	None
9:25 AM	-165.5	0.32	9.13	0.852	18.6	17.40	10.86	150	0.75	3.75	Clear	None
9:30 AM	-171.2	0.31	9.13	0.850	18.6	15.90	10.86	150	0.75	4.50	Clear	None
9:35 AM	-176.1	0.30	9.13	0.845	18.3	16.10	10.83	150	0.75	5.25	Clear	None
9:40 AM	-178.3	0.30	9.13	0.842	18.2	13.00	10.80	150	0.75	6.00	Clear	None
9:45 AM	-183.5	0.28	9.13	0.835	18.3	12.60	10.77	150	0.75	6.75	Clear	None
9:50 AM	-187.9	0.28	9.13	0.830	18.3	12.30	10.71	150	0.75	7.50	Clear	None
9:55 AM	-190.2	0.27	9.14	0.823	18.4	12.30	10.72	150	0.75	8.25	Clear	None
10:00 AM	-193.8	0.27	9.14	0.817	18.7	11.30	10.72	150	0.75	9.00	Clear	None
10:05 AM	-194.7	0.27	9.13	0.810	18.3	10.70	10.72	150	0.75	9.75	Clear	None
10:10 AM	-197.7	0.29	9.14	0.809	18.1	10.70	10.72	150	0.75	10.50	Clear	None
10:15 AM	-198.6	0.29	9.14	0.802	18.1	9.65	10.72	150	0.75	11.25	Clear	None
10:20 AM	-201.0	0.29	9.15	0.795	18.2	9.82	10.72	150	0.75	12.00	Clear	None
10:25 AM	-201.8	0.27	9.16	0.850	18.0	9.81	10.72	150	0.75	12.75	Clear	None

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-MAY-P4	

Sample Information			
Sample ID:	114-PW-07WR-77.0-20240612	Date:	6/12/2024 11:55:00 AM
Well ID:	114-PW-07WR	Location Type:	
Duplicate ID:		Sampler:	WallgrenB
Equipment:			
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:			

Well Inspection			
Well Located?	Yes	Well Diameter:	
Pad Condition:		Well Action Needed?	
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:		Lid Type:	
Cap Condition:		Well Labeled?	
Notes:			

Water Level			
Date:	6/12/2024 10:50:00 AM	Measured Well Depth:	79.35
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	10.98	Depth to LNAPL:	NE
Notes:	Sample interval 77.0’		

Purge Information			
Begin Date and Time:	6/12/2024 10:55:00 AM	End Date and Time:	6/12/2024 11:50:00 AM
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

AECOM

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-MAY-P4	

Sample Information			
Sample ID:	114-PW-07WR-77.0-20240612	Date:	6/12/2024 11:55:00 AM
Well ID:	114-PW-07WR	Location Type:	

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
11:00 AM	-94.6	0.65	9.05	0.893	18.0	20.20	10.98	150	0.75	0.75	Clear	None
11:05 AM	-158.8	0.26	9.09	0.892	17.7	18.00	10.98	150	0.75	1.50	Clear	None
11:10 AM	-178.5	0.22	9.11	0.886	17.4	17.40	10.96	150	0.75	2.25	Clear	None
11:15 AM	-192.0	0.20	9.10	0.881	17.9	16.20	10.96	150	0.75	3.00	Clear	None
11:20 AM	-196.5	0.19	9.09	0.882	18.3	14.80	10.93	150	0.75	3.75	Clear	None
11:25 AM	-199.5	0.18	9.08	0.880	18.4	13.20	10.90	150	0.75	4.50	Clear	None
11:30 AM	-200.5	0.18	9.07	0.879	18.0	11.10	10.90	150	0.75	5.25	Clear	None
11:35 AM	-204.4	0.18	9.08	0.876	18.5	11.00	10.88	150	0.75	6.00	Clear	None
11:40 AM	-204.3	0.17	9.06	0.875	18.6	8.88	10.86	150	0.75	6.75	Clear	None
11:45 AM	-204.1	0.17	9.06	0.870	18.3	9.35	10.86	150	0.75	7.50	Clear	None
11:50 AM	-204.8	0.17	9.06	0.866	18.6	9.47	10.83	150	0.75	8.25	Clear	None

GROUNDWATER SAMPLING LOG

AECOM

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-MAY-P4	

Sample Information

Sample ID:	114-PW-10WR-82.0-20240627	Date:	6/27/2024 9:20:00 AM
Well ID:	114-PW-10WR	Location Type:	MW
Duplicate ID:		Sampler:	Steve Wright
Equipment:			
Analysis:			
Comments:			

Well Inspection

Well Located?	Yes	Well Diameter:	4
Cap/J-Plug?:		Well Action Needed?	
Lid Condition:		Well Labeled?	
Ambient PID:	0 (ppmv) 0 (ppmv)	Headspace PID:	0 (ppmv) 0 (ppmv)
Notes:			

Water Level

Date:	6/27/2024 8:15:00 AM	Measured Well Depth:	89.50
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	9.12	Depth to LNAPL:	NE
Notes:	sample interval 82.0		

Purge Information

Begin Date and Time:	6/27/2024 8:25:00 AM	End Date and Time:	6/27/2024 9:05:00 AM
Initial Pump Depth:	82	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

AECOM

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-MAY-P4	

Sample Information

Sample ID:	114-PW-10WR-82.0-20240627	Date:	6/27/2024 9:20:00 AM
Well ID:	114-PW-10WR	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)
8:25 AM	-213.2	7.21	10.27	0.807	17.7	15.90	9.12	200	1.00	1.00	
8:30 AM	-184.7	5.19	9.68	0.818	17.9	11.40	9.18	200	1.00	2.00	
8:35 AM	-126.3	3.37	9.15	0.826	18.1	8.43	9.24	200	1.00	3.00	
8:40 AM	-124.7	3.25	9.09	0.830	18.5	7.08	9.24	200	1.00	4.00	
8:45 AM	-122.1	3.11	9.05	0.832	19.0	6.11	9.24	200	1.00	5.00	
8:50 AM	-123.8	2.90	9.08	0.846	19.2	6.22	9.24	200	1.00	6.00	
8:55 AM	-125.6	2.79	9.10	0.851	19.5	6.26	9.24	200	1.00	7.00	
9:00 AM	-123.0	2.72	9.11	0.846	19.8	6.48	9.24	200	1.00	8.00	
9:05 AM	-121.6	2.69	9.12	0.840	20.3	6.41	9.24	200	1.00	9.00	clear

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-MAY-P4	

Sample Information

Sample ID:	114-PW-10WR-87.0-20240627	Date:	6/27/2024 10:40:00 AM
Well ID:	114-PW-10WR	Location Type:	MW
Duplicate ID:		Sampler:	Steve Wright
Equipment:			
Analysis:			
Comments:			

Well Inspection

Well Located?	Yes	Well Diameter:	4
Cap/J-Plug?:		Well Action Needed?	
Lid Condition:		Well Labeled?	
Ambient PID:	0 (ppmv) 0 (ppmv)	Headspace PID:	0 (ppmv) 0 (ppmv)
Notes:			

Water Level

Date:	6/27/2024 9:30:00 AM	Measured Well Depth:	89.50
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	9.27	Depth to LNAPL:	NE
Notes:	sample interval 87.0		

Purge Information

Begin Date and Time:	6/27/2024 9:40:00 AM	End Date and Time:	6/27/2024 10:20:00 AM
Initial Pump Depth:	87	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Project #:

Site: Garfield Avenue group of sites

Event: 2024-MAY-P4

Sample Information			
Sample ID:	114-PW-10WR-87.0-20240627	Date:	6/27/2024 10:40:00 AM
Well ID:	114-PW-10WR	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)
9:40 AM	-126.0	0.44	9.12	0.872	18.9	13.70	9.27	200	1.00	1.00	
9:45 AM	-130.6	0.31	9.20	0.885	18.9	13.90	9.28	200	1.00	2.00	
9:50 AM	-132.3	0.24	9.24	0.891	18.8	11.20	9.29	200	1.00	3.00	
9:55 AM	-131.4	0.19	9.22	0.863	18.4	8.66	9.29	200	1.00	4.00	
10:00 AM	-130.1	0.16	9.20	0.849	17.9	7.59	9.29	200	1.00	5.00	
10:05 AM	-128.3	0.15	9.18	0.852	18.0	7.38	9.29	200	1.00	6.00	
10:10 AM	-127.5	0.15	9.15	0.856	18.2	7.01	9.29	200	1.00	7.00	
10:15 AM	-127.7	0.14	9.15	0.859	18.2	6.76	9.29	200	1.00	8.00	
10:20 AM	-127.6	0.14	9.15	0.861	18.2	6.81		200	1.00	9.00	clear

114-PW-04WR-50.0

NEW JERSEY DEPARTMENTAL OF ENVIRONMENTAL PROTECTION
Low Flow Purging and Sampling Guidance
Page 15 of 18

LOW FLOW SAMPLING DATA SHEET

SHEET 1 OF 1

SITE:
DATE: 6-21-24
WEATHER: 90s, SUN

CONSULTING FIRM:
FIELD PERSONNEL: SW

MONITOR WELL #: 114-PW-04WR
WELL PERMIT #:
WELL DEPTH: 54' (+3.5' STICKUP)
WELL DIAMETER: 4 inches
SCREENED/OPEN INTERVAL:

PID/FID READINGS (ppm):
BACKGROUND: 0
BENEATH OUTER CAP: 0
BENEATH INNER CAP: 0

PUMP INTAKE DEPTH: ______ ft below TOC
DEPTH TO WATER BEFORE PUMP INSTALLATION: ______ ft below TOC

TIME	PURGING	SAMPLING	pH (pH units)		SPECIFIC CONDUCTIVITY (mS/cm)		REDOX POTENTIAL (mv)		DISSOLVED OXYGEN (mg/l)		TURBIDITY (NTU)		TEMPERATURE (degrees C)		PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
			READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*		
0820	✓		8.51	NA	2349	NA	-90.5	NA	2.23	NA	16.2	NA	19.8	NA	200	10.42
0825	✓		8.49		2318		-89.9		2.24		14.8		19.5		200	10.52
0830	✓		8.47		2233		-89.6		2.26		10.9		18.8		200	10.62
0835	✓		8.47		2239		-89.3		2.40		9.66		18.7		200	10.67
0840	✓		8.46		2242		-88.5		2.51		8.52		18.7		200	10.69
0845	✓		8.43		2260		-86.2		2.38		8.08		18.7		200	10.70
0850	✓		8.41		2271		-85.3		2.34		7.84		18.7		200	10.70
0855	✓		8.39		2279		-84.9		2.36		7.51		18.9		200	10.70
~~0900~~	✓		8.38		2284		-84.7		2.36		7.30		19.0		200	10.70
0945		✓														

COMMENTS: MS/MSD FAINT YELLOW COLOR

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity

114-PW-04WR-55.0

LOW FLOW SAMPLING DATA SHEET

SHEET 1 OF 2

SITE:
DATE: 6-21-24
WEATHER: 90s. SUN

CONSULTING FIRM:
FIELD PERSONNEL: SRO

MONITOR WELL #: 114-PW-04WR
WELL PERMIT #:
WELL DEPTH: 54 (73.5 S.C.)
WELL DIAMETER: 4 inches
SCREENED/OPEN INTERVAL:

PID/FID READINGS (ppm):
BACKGROUND: 0
BENEATH OUTER CAP: 0
BENEATH INNER CAP: 0

PUMP INTAKE DEPTH: ______ ft below TOC
DEPTH TO WATER BEFORE PUMP INSTALLATION : ______ ft below TOC

TIME	PURGING	SAMPLING	pH (pH units) READING	pH CHANGE*	SPECIFIC CONDUCTIVITY (mS/cm) READING	SPECIFIC CONDUCTIVITY CHANGE*	REDOX POTENTIAL (mv) READING	REDOX POTENTIAL CHANGE*	DISSOLVED OXYGEN (mg/l) READING	DISSOLVED OXYGEN CHANGE*	TURBIDITY (NTU) READING	TURBIDITY CHANGE*	TEMPERATURE (degrees C) READING	TEMPERATURE CHANGE*	PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
1015	✓		8.00	NA	2294	NA	-64.1	NA	5.97	NA	26.2	NA	19.1	NA	200	10.40
1020	✓		8.11		2295		-69.8		4.34		20.7		19.8		200	10.44
1025	✓		8.18		2297		-73.3		3.63		19.2		19.5		200	10.46
1030	✓		8.19		2294		-73.6		2.81		18.9		19.7		200	10.46
1035	✓		8.19		2292		-73.9		2.28		19.5		19.9		200	10.45
1040	✓		8.18		2247		-73.5		1.99		18.6		20.1		200	10.45
1045	✓		8.18		2323		-73.5		1.71		17.2		20.6		200	10.45
1050	✓		8.16		2315		-73.0		1.65		16.8		20.4		200	10.45
1055	✓		8.14		2312		-72.4		1.55		12.5		20.3		200	10.45
1100	✓		8.16		2318		-73.2		1.50		12.7		20.3		200	10.45
1105	✓		8.18		2323		-74.1		1.47		13.0		20.4		200	10.45

COMMENTS: SLIGHT YELLOW COLOR

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity

LOW FLOW SAMPLING DATA SHEET

SHEET 2 OF 2

SITE:
DATE: 6-21-24
WEATHER: 90s, SUN

CONSULTING FIRM:
FIELD PERSONNEL: SW

MONITOR WELL #: 114-PN-04WR
WELL PERMIT #:
WELL DEPTH: 54 (+3.5 S.U.)
WELL DIAMETER: 4 inches
SCREENED/OPEN INTERVAL:

PID/FID READINGS (ppm):
BACKGROUND: 0
BENEATH OUTER CAP: 0
BENEATH INNER CAP: 0

PUMP INTAKE DEPTH: ____ ft below TOC
DEPTH TO WATER BEFORE PUMP INSTALLATION: ____ ft below TOC

TIME	PURGING	SAMPLING	pH (pH units)		SPECIFIC CONDUCTIVITY (mS/cm)		REDOX POTENTIAL (mv)		DISSOLVED OXYGEN (mg/l)		TURBIDITY (NTU)		TEMPERATURE (degrees C)		PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
			READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*		
1110	✓		8.19	NA	2341	NA	-73.5	NA	1.10	NA	11.4	NA	19.6	NA	200	10.45
1115	✓		8.18		2352		-73.5		1.08		10.2		19.8		200	10.45
1120	✓		8.18		2355		-73.4		1.04		9.81		19.9		200	10.45
1140		✓														

COMMENTS: SLIGHT YELLOW COLOR

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity

114-P[redacted]W-09WR·77.0

LOW FLOW SAMPLING DATA SHEET

SHEET 1 OF 1

SITE:
DATE: 6-24-24
WEATHER: 80s SUN
CONSULTING FIRM:
FIELD PERSONNEL: SW

MONITOR WELL #: 114-PMW-09WR **WELL DEPTH:** 81 (+3.5' STICKUP) **SCREENED/OPEN INTERVAL:**
WELL PERMIT #: **WELL DIAMETER:** 4 inches

PID/FID READINGS (ppm): BACKGROUND: 0; BENEATH OUTER CAP: 0; BENEATH INNER CAP: 0
PUMP INTAKE DEPTH: ____ ft below TOC
DEPTH TO WATER BEFORE PUMP INSTALLATION : ____ ft below TOC

TIME	PURGING	SAMPLING	pH (pH units) READING	pH CHANGE*	SPECIFIC CONDUCTIVITY (mS/cm) READING	SPECIFIC CONDUCTIVITY CHANGE*	REDOX POTENTIAL (mv) READING	REDOX CHANGE*	DISSOLVED OXYGEN (mg/l) READING	DO CHANGE*	TURBIDITY (NTU) READING	TURBIDITY CHANGE*	TEMPERATURE (degrees C) READING	TEMPERATURE CHANGE*	PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
0825	✓		9.56	NA	901	NA	-126.1	NA	11.41	NA	2.95	NA	19.0	NA	200	8.92
0830	✓		8.53		1011		-93.1		7.60		3.13		18.9		200	9.27
0835	✓		851		1010		-91.4		7.12		3.22		19.5		200	9.24
0840	✓		8.49		1009		-90.8		6.42		3.31		20.3		200	9.18
0845	✓		8.48		1011		-90.2		6.11		4.15		20.2		200	9.18
0850	✓		8.47		1012		-89.5		5.86		4.93		20.1		200	9.18
0855	✓		8.46		1017		-88.7		5.22		5.02		20.0		200	9.18
~~0900~~	✓		8.45		1020		-88.1		4.98		5.19		18.9		200	9.18
0925		✓														

COMMENTS: DUPE @ 0930 CLEAR GW

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity

114-P[redacted]W-09WR-82.0

LOW FLOW SAMPLING DATA SHEET

SHEET 1 OF 1

SITE:
DATE: 6-24-24
WEATHER: 80s, SUN
CONSULTING FIRM:
FIELD PERSONNEL: SCO

MONITOR WELL #: 114-PMW-09WR
WELL PERMIT #:
WELL DEPTH: 81 (±3.5' S.U.)
WELL DIAMETER: 4 inches
SCREENED/OPEN INTERVAL:

PID/FID READINGS (ppm):
BACKGROUND:
BENEATH OUTER CAP:
BENEATH INNER CAP:
PUMP INTAKE DEPTH: ____ ft below TOC
DEPTH TO WATER BEFORE PUMP INSTALLATION : ____ ft below TOC

TIME	PURGING	SAMPLING	pH (pH units) READING	pH CHANGE*	SPECIFIC CONDUCTIVITY (mS/cm) READING	SPECIFIC CONDUCTIVITY CHANGE*	REDOX POTENTIAL (mv) READING	REDOX POTENTIAL CHANGE*	DISSOLVED OXYGEN (mg/l) READING	DISSOLVED OXYGEN CHANGE*	TURBIDITY (NTU) READING	TURBIDITY CHANGE*	TEMPERATURE (degrees C) READING	TEMPERATURE CHANGE*	PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
1015	✓		8.25	NA	1071	NA	-76.8	NA	1.32	NA	9.84	NA	18.9	NA	200	8.98
1020	✓		8.30		1082		-79.4		0.71		9.02		17.8		200	9.21
1025	✓		8.37		1086		-83.2		0.30		8.71		17.4		200	9.45
1030	✓		8.35		1067		-82.4		0.32		8.36		17.9		200	9.40
1035	✓		8.33		1043		-81.5		0.34		7.94		18.3		200	9.33
1040	✓		8.32		1044		-80.9		0.82		7.77		18.2		200	9.34
1045	✓		8.32		1046		-80.6		0.80		7.69		18.0		200	9.35
1100		✓														

COMMENTS: CLEAR GW

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-JUL-P4-BASALTILL	

Sample Information

Sample ID:	114-MW57C-70.9-20240726	Date:	7/26/2024 12:05:00 PM
Well ID:	114-MW57C	Location Type:	MW
Duplicate ID:		Sampler:	SabbakJ
Equipment:	Headspace meter: MiniRAE 3000 # Field param meter: YSI Pro Plus # WL/int meter: Solinst 101 #		
Analysis:			
Comments:			

Well Inspection

Well Located?	Yes	Well Diameter:	2
Cap/J-Plug?:	yes	Well Action Needed?	No
Lid Condition:	good	Well Labeled?	yes
Ambient PID:	0 (ppmv)	Headspace PID:	0 (ppmv)
Notes:	None		

Water Level

Date:	7/26/2024 11:20:00 AM	Measured Well Depth:	NM
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	5.12	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	7/26/2024 11:25:00 AM	End Date and Time:	7/26/2024 12:00:00 PM
Initial Pump Depth:	70.9	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

AECOM

Client: PPG Industries

Site: Garfield Avenue group of sites

Project #:

Event: 2024-JUL-P4-BASALTILL

Sample Information			
Sample ID:	114-MW57C-70.9-20240726	Date:	7/26/2024 12:05:00 PM
Well ID:	114-MW57C	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
11:30 AM	83.2	0.10	5.78	2.980	23.4	6.70	5.13	100	0.5	0.5	Light yellow	None
11:35 AM	-85.8	0.09	5.77	3.015	22.9	6.40	5.14	100	0.5	1.0	Light yellow	None
11:40 AM	-87.3	0.08	5.77	3.035	22.6	6.73	5.16	100	0.5	1.5	Light yellow	None
11:45 AM	-88.5	0.08	5.76	3.052	22.5	6.38	5.19	100	0.5	2.0	Light yellow	None
11:50 AM	-92.6	0.05	5.70	3.180	22.4	5.10	5.20	100	0.5	2.5	Light yellow	None
11:55 AM	-96.6	0.05	5.69	3.174	22.4	4.69	5.21	100	0.5	3.0	Light yellow	None
12:00 PM	-96.5	0.05	5.70	3.174	22.7	5.10	5.21	100	0.5	3.5	Light yellow	

AECOM

Well ID:	114-MW76D-103.75

Low Flow Ground Water Sample Collection Record

Client: PPG Jersey City Date: 7/5/2024 Time: Start 9:30 am/pm
Project No: 60732743 Finish 13:00 am/pm
Site Location: Site 114
Weather Conds: 82-87 F, mostly cloudy/overcast Collector: Megan Clark

1. WATER LEVEL DATA:

a. Total Well Length 79 c. Length of Water Column 70.66 (a-b) Casing Diameter 2 inch

b. Water Table Depth 8.34 d. Calculated System Volume

2. WELL PURGE DATA

a. Purge Method: Low flow via bladder pump

b. Acceptance Criteria defined (as per AECOM workplan)

Temperature	±3%	D.O.	±10%	Turbidity	< 20 NTU
pH	±0.1 unit	ORP	± 10mV		
Sp. Cond.	±3%	Drawdown	< 0.3'		

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	Pro Quatro	21K103641
HACH	2100Q	11040C008827
Controller	Micro purge basics QED	MP50-1461

Time (24hr)	Volume Removed (Liters)	Temp.* (°C)	pH*	Spec. Cond.* (mS/cm)	DO* (mg/L)	ORP (mV)	Turbidity* (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
10:20	0.55	23.80	11.51	2.307	2.69	-155.1	22.8	110	8.50	Clear	None
10:25	1.10	24.80	11.72	2.290	2.48	-234	13.5	110	8.52	Clear	None
10:30	1.65	24.90	11.79	2.309	1.70	-242.3	8.78	110	8.52	Clear	None
10:35	2.20	24.90	11.79	2.328	1.60	-246.5	9.02	110	8.52	Clear	None
10:40	2.75	25.30	11.79	2.326	1.03	-249.6	7.74	110	8.52	Clear	None
10:45	3.30	24.90	11.80	2.329	1.00	-258.5	7.84	110	8.52	Clear	None
10:50	3.85	25.00	11.80	2.327	0.82	-254	7.20	110	8.52	Clear	None

(continued on back)

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed?	☐	☐	■
Has required turbidity been reached?	■	☐	☐
Have parameters stabilized?	■	☐	☐

If no or N/A - Explain below.
No minimum purge volume required for low flow sampling.

3. SAMPLE COLLECTION: Method: Low flow via bladder pump

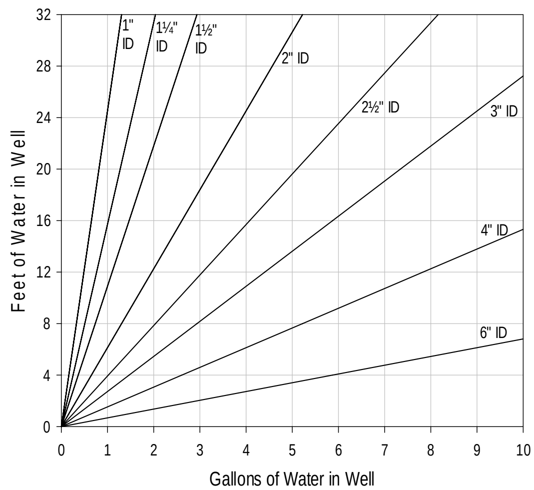
Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114-MW76D-103.75-20240705	Glass	3	HCl	TOC	11:35
MS/MSD collected	Plastic	3	HNO3	Total Cr	
	Plastic	3	None	Cr+6, Eh, pH	

Comments Sample Depth: 103.75. Pump started at 10:10, first reading at 10:20. Next interval delayed till 7/9 due to water coming in the air line. This was resolved and turned out to be a piece of rubber stuck in the water line. A second bladder pump was ordered as a precaution.

Signature Megan Clark Date 7/5/2024

* Temperature via method SM 2550 B-10; pH via SM 4500-H B-11; Spec. Cond. via SM 2510 B-11;
D.O. via SM 4500-0 G-16; Turbidity via SM 2130 B-11.

Purge Volume Calculation



Volume / Linear Ft. of Pipe	
ID (in)	Liter
0.25	0.0097
0.375	0.0217
0.5	0.0386
0.75	0.0869
1	0.1544
1.25	0.2413
1.5	0.3475
2	**0.6178**
2.5	0.9653
3	1.3900
4	**2.4711**
6	5.5600

(continued from front)

Time (24 hr)	Volume Removed (Liters)	Temp (°C)	pH	Spec. Cond. (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (ft)	Color/Odor
10:55	4.40	25.10	11.8	2.329	0.70	-268.9	7.55	110	8.53	Clear/no odor
11:00	4.95	25.50	11.8	2.342	0.70	-243.5	6.48	110	8.53	Clear/no odor
11:05	5.50	25.50	11.8	2.330	0.70	-273.2	6.60	110	8.54	Clear/no odor
11:10	6.05	25.40	11.8	2.332	0.70	-276.1	6.66	110	8.54	Clear/no odor
11:15	6.60	25.10	11.8	2.333	0.70	-275.1	5.35	110	8.54	Clear/no odor
11:20	7.15	26.00	11.8	2.320	0.70	-278.1	5.10	110	8.55	Clear/no odor
11:25	7.70	25.50	11.8	2.334	0.70	-278.9	5.34	110	8.55	Clear/no odor
11:30	8.25	25.30	11.8	2.323	0.70	-276.1	5.22	110	8.55	Clear/no odor
11:35	Sample									

Well ID:	114-MW76D-108.75

Low Flow Ground Water Sample Collection Record

Client: PPG Jersey City — Date: 7/9/2024 — Time: Start 9:00 am/pm
Project No: 60732743 — Finish 11:00 am/pm
Site Location: Site 114
Weather Conds: 79-89 F, partly sunny — Collector: Megan Clark

1. WATER LEVEL DATA:

a. Total Well Length 79 c. Length of Water Column 70.89 (a-b) Casing Diameter 2 inch

b. Water Table Depth 8.11 d. Calculated System Volume

2. WELL PURGE DATA

a. Purge Method: Low flow via bladder pump

b. Acceptance Criteria defined (as per AECOM workplan)

Temperature	+3%	D.O.	+10%	Turbidity	< 20 NTU
pH	+0.1 unit	ORP	+ 10mV		
Sp. Cond.	+3%	Drawdown	< 0.3'		

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	Pro Quatro	21K103641
HACH	2100Q	11040C008827
Controller	Micro purge basics QED	MP50-1461

Time (24hr)	Volume Removed (Liters)	Temp.* (°C)	pH*	Spec. Cond.* (mS/cm)	DO* (mg/L)	ORP (mV)	Turbidity* (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
9:30	0.875	21.30	11.84	2.389	0.65	-242.2	12.6	175	8.34	Clear	None
9:35	1.750	21.80	11.94	2.380	0.36	-287.3	10.1	175	8.36	Clear	None
9:40	2.625	22.20	11.96	2.376	0.34	-293.5	8.73	175	8.37	Clear	None
9:45	3.500	22.10	11.95	2.386	0.38	-297.9	8.54	175	8.38	Clear	None
9:50	4.375	22.00	11.96	2.386	0.47	-301	7.27	175	8.40	Clear	None
9:55	5.250	22.30	11.96	2.389	0.52	-311.2	6.03	175	8.40	Clear	None
10:00	6.125	22.10	11.96	2.394	0.50	-312.8	4.89	175	8.42	Clear	None

(continued on back)

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed?	☐	☐	■
Has required turbidity been reached?	■	☐	☐
Have parameters stabilized?	■	☐	☐

If no or N/A - Explain below.

No minimum purge volume required for low flow sampling.

3. SAMPLE COLLECTION: Method: Low flow via bladder pump

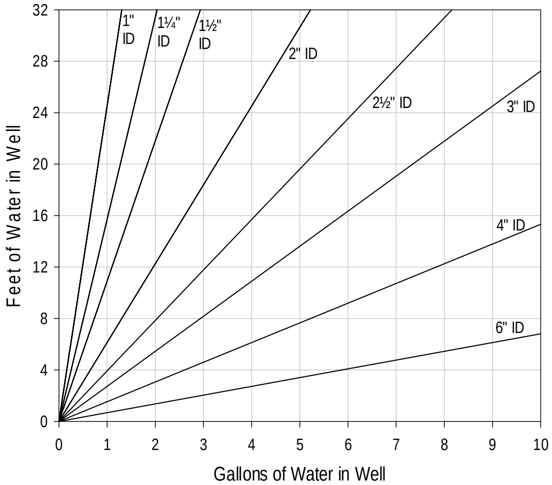
Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114-MW76D-108.75-20240709	Glass	3	HCl	TOC	10:45
	Plastic	3	HNO3	Total Cr	
	Plastic	3	None	Cr+6, Eh, pH	
114-MW76D-108.75-20240709-X	see above	see above	see above	see above	10:50

Comments Sample Depth: 108.75. Pump started at 9:26, first reading at 9:30. Duplicate collected

Signature Megan Clark — Date 7/9/2024

* Temperature via method SM 2550 B-10; pH via SM 4500-H B-11; Spec. Cond. via SM 2510 B-11;
D.O. via SM 4500-0 G-16; Turbidity via SM 2130 B-11.

Purge Volume Calculation



Volume / Linear Ft. of Pipe	
ID (in)	Liter
0.25	0.0097
0.375	0.0217
0.5	0.0386
0.75	0.0869
1	0.1544
1.25	0.2413
1.5	0.3475
2	**0.6178**
2.5	0.9653
3	1.3900
4	**2.4711**
6	5.5600

(continued from front)

Time (24 hr)	Volume Removed (Liters)	Temp (°C)	pH	Spec. Cond. (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (ft)	Color/Odor
10:05	7.000	22.30	11.96	2.390	0.47	-314.7	4.91	175	8.42	Clear/No odor
10:10	7.875	22.30	11.96	2.395	0.43	-317.6	4.29	175	8.42	Clear/No odor
10:15	8.750	22.30	11.96	2.404	0.41	-320.6	3.82	175	8.42	Clear/No odor
10:20	9.625	22.30	11.96	2.396	0.37	-321	4.25	175	8.42	Clear/No odor
10:25	10.500	22.30	11.96	2.392	0.35	-323.6	4.16	175	8.43	Clear/No odor
10:30	11.375	22.30	11.96	2.394	0.30	-326.4	3.73	175	8.43	Clear/No odor
10:35	12.250	22.30	11.96	2.391	0.29	-327	3.47	175	8.43	Clear/No odor
10:40	13.125	22.30	11.96	2.395	0.28	-330.5	3.60	175	8.43	Clear/No odor
10:45	Sample									
10:50	DUP									

AECOM

Well ID:	114-MW76D-113.75

Low Flow Ground Water Sample Collection Record

Client: PPG Jersey City   Date: 7/9/2024   Time: Start 11:15 am/pm
Project No: 60732743   Finish 13:00 am/pm
Site Location: Site 114
Weather Conds: 89-90 F, partly sunny   Collector: Megan Clark

1. WATER LEVEL DATA:

a. Total Well Length 79   c. Length of Water Column 70.91 (a-b)   Casing Diameter 2 inch

b. Water Table Depth 8.09   d. Calculated System Volume

2. WELL PURGE DATA

a. Purge Method: Low flow via bladder pump

b. Acceptance Criteria defined (as per AECOM workplan)

Temperature	+3%	D.O.	+10%	Turbidity	< 20 NTU
pH	+0.1 unit	ORP	+ 10mV		
Sp. Cond.	+3%	Drawdown	< 0.3'		

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	Pro Quatro	21K103641
HACH	2100Q	11040C008827
Controller	Micro purge basics QED	MP50-1461

Time (24hr)	Volume Removed (Liters)	Temp.* (°C)	pH*	Spec. Cond.* (mS/cm)	DO* (mg/L)	ORP (mV)	Turbidity* (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
11:30	0.60	31.20	10.93	0.951	1.94	-84.0	5.47	120	8.35	Clear	None
11:35	1.20	24.70	11.53	2.222	1.73	-200.8	22.7	120	8.35	Clear	None
11:40	1.80	23.50	11.76	2.331	1.68	-211	21.9	120	8.35	Clear	None
11:45	2.40	22.90	11.83	2.339	1.93	-254.6	19.5	120	8.36	Clear	None
11:50	3.00	22.70	11.90	2.352	1.99	-276.2	18.4	120	8.37	Clear	None
11:55	3.60	22.80	11.92	2.362	1.40	-304.8	13.2	120	8.40	Clear	None
12:00	4.20	23.00	11.92	2.368	1.60	-304.8	13.9	120	8.42	Clear	None

(continued on back)

d. Acceptance criteria pass/fail	Yes	No	N/A
Has required volume been removed?	☐	☐	■
Has required turbidity been reached?	■	☐	☐
Have parameters stabilized?	■	☐	☐

If no or N/A - Explain below.
No minimum purge volume required for low flow sampling.

3. SAMPLE COLLECTION: Method: Low flow via bladder pump

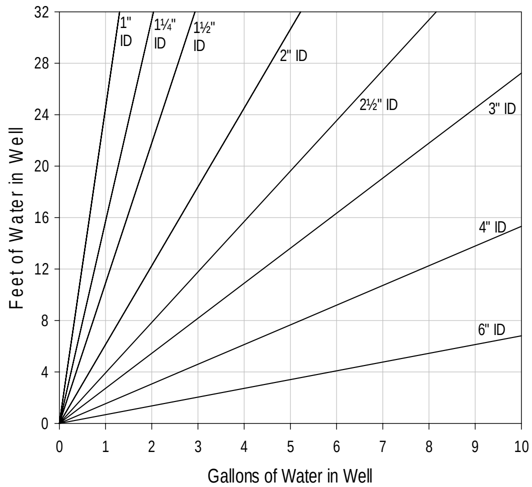
Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114-MW76D-113.75-20240709	Glass	1	HCl	TOC	12:40
	Plastic	1	HNO3	Total Cr	
	Plastic	1	None	Cr+6, Eh, pH	

Comments Sample Depth: 113.75. Pump started at 11:26, first reading at 11:30

Signature Megan Clark   Date 7/9/2024

* Temperature via method SM 2550 B-10; pH via SM 4500-H B-11; Spec. Cond. via SM 2510 B-11;
D.O. via SM 4500-0 G-16; Turbidity via SM 2130 B-11.

Purge Volume Calculation



Volume / Linear Ft. of Pipe	
ID (in)	Liter
0.25	0.0097
0.375	0.0217
0.5	0.0386
0.75	0.0869
1	0.1544
1.25	0.2413
1.5	0.3475
2	**0.6178**
2.5	0.9653
3	1.3900
4	**2.4711**
6	5.5600

(continued from front)

Time (24 hr)	Volume Removed (Liters)	Temp (°C)	pH	Spec. Cond. (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (ft)	Color/Odor
12:05	4.80	23.10	11.9	2.373	1.71	-275.4	11.8	120	8.42	Clear/ No odor
12:10	5.40	22.70	11.9	2.383	1.53	-297.3	9.64	120	8.42	Clear/ No odor
12:15	6.00	22.70	11.9	2.370	1.50	-311.9	9.55	120	8.42	Clear/ No odor
12:20	6.60	22.70	11.9	2.383	1.52	-295	8.98	120	8.42	Clear/ No odor
12:25	7.20	22.30	11.9	2.383	1.44	-300	7.95	120	8.42	Clear/ No odor
12:30	7.80	22.10	12.0	2.380	1.39	-300.2	8.17	120	8.42	Clear/ No odor
12:35	8.40	22.20	12.0	2.372	1.31	-304.8	8.37	120	8.42	Clear/ No odor
12:40	Sample									

AECOM

Well ID:	114-MW76D-118.75

Low Flow Ground Water Sample Collection Record

Client: PPG Jersey City   Date: 7/9/2024   Time: Start 13:16 am/pm
Project No: 60732743   Finish 14:50 am/pm
Site Location: Site 114
Weather Conds: 90 F, partly sunny   Collector: Megan Clark

1. WATER LEVEL DATA:

a. Total Well Length 79   c. Length of Water Column 70.89 (a-b)   Casing Diameter 2 inch

b. Water Table Depth 8.11   d. Calculated System Volume

2. WELL PURGE DATA

a. Purge Method: Low flow via bladder pump

b. Acceptance Criteria defined (as per AECOM workplan)

Temperature	±3%	D.O.	±10%	Turbidity	< 20 NTU
pH	±0.1 unit	ORP	± 10mV		
Sp. Cond.	±3%	Drawdown	< 0.3'		

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	Pro Quatro	21K103641
HACH	2100Q	11040C008827
Controller	Micro purge basics QED	MP50-1461

Time (24hr)	Volume Removed (Liters)	Temp.* (°C)	pH*	Spec. Cond.* (mS/cm)	DO* (mg/L)	ORP (mV)	Turbidity* (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
13:20	0.80	19.80	11.90	2.388	0.25	-293.7	43.5	160	8.40	lightly cloudy	None
13:25	1.60	19.70	11.96	2.406	0.37	-329.5	34.0	160	8.42	lightly cloudy	None
13:30	2.40	19.80	11.98	2.394	0.98	-336.9	27.4	160	8.43	lightly cloudy	None
13:35	3.20	20.80	11.98	2.393	1.98	-339.3	25.2	160	8.43	lightly cloudy	None
13:40	4.00	20.70	11.99	2.392	2.57	-356.4	21.1	160	8.44	lightly cloudy	None
13:45	4.80	20.60	11.99	2.392	2.65	-348	20.2	160	8.44	lightly cloudy	None
13:50	5.60	20.60	12.00	2.391	2.83	-348.3	19.9	160	8.44	lightly cloudy	None

(continued on back)

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed?	☐	☐	■
Has required turbidity been reached?	■	☐	☐
Have parameters stabilized?	■	☐	☐

If no or N/A - Explain below.
No minimum purge volume required for low flow sampling.

3. SAMPLE COLLECTION: Method: Low flow via bladder pump

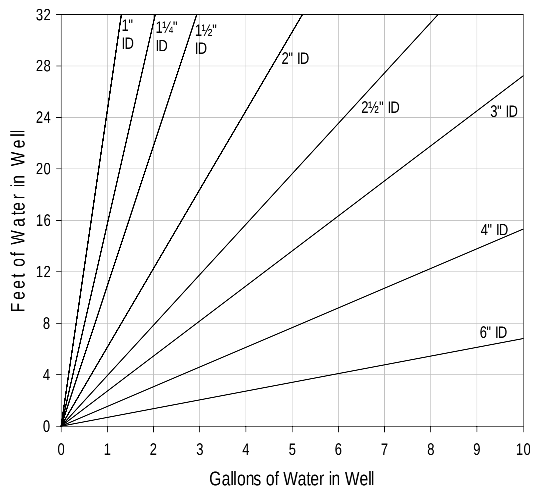
Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114-MW76D-118.75-20240709	Glass	1	HCl	TOC	14:35
	Plastic	1	HNO3	Total Cr	
	Plastic	1	None	Cr+6, Eh, pH	

Comments Sample Depth: 118.75. Pump started at 13:16, first reading at 13:20

Signature Megan Clark   Date 7/9/2024

* Temperature via method SM 2550 B-10; pH via SM 4500-H B-11; Spec. Cond. via SM 2510 B-11;
D.O. via SM 4500-0 G-16; Turbidity via SM 2130 B-11.

Purge Volume Calculation



Volume / Linear Ft. of Pipe	
ID (in)	Liter
0.25	0.0097
0.375	0.0217
0.5	0.0386
0.75	0.0869
1	0.1544
1.25	0.2413
1.5	0.3475
2	**0.6178**
2.5	0.9653
3	1.3900
4	**2.4711**
6	5.5600

(continued from front)

Time (24 hr)	Volume Removed (Liters)	Temp (°C)	pH	Spec. Cond. (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (ft)	Color/Odor
13:55	6.40	20.30	12.0	2.394	2.40	-337.1	16.7	160	8.45	Clear/no odor
14:00	7.20	20.40	12.0	2.404	2.33	-307.2	12.5	160	8.45	Clear/no odor
14:05	8.00	20.50	12.0	2.395	2.23	-332.1	13.5	160	8.45	Clear/no odor
14:10	8.80	20.40	12.0	2.397	2.01	-357.3	12.3	160	8.45	Clear/no odor
14:15	9.60	20.60	12.0	2.393	1.89	-361.3	11.7	160	8.45	Clear/no odor
14:20	10.4	20.40	12.0	2.390	1.80	-368.5	9.86	160	8.45	Clear/no odor
14:25	11.2	20.30	12.0	2.391	1.75	-361.8	9.22	160	8.45	Clear/no odor
14:30	12.0	20.50	12.0	2.395	1.66	-368	9.49	160	8.45	Clear/no odor
14:35	Sample									

AECOM

Well ID:	114-MW76D-123.75

Low Flow Ground Water Sample Collection Record

Client: PPG Jersey City   Date: 7/10/2024   Time: Start 9:10 am/pm
Project No: 60732743   Finish 14:00 am/pm
Site Location: Site 114
Weather Conds: 84-93 F, partly cloudy   Collector: Megan Clark

1. WATER LEVEL DATA:

a. Total Well Length 79   c. Length of Water Column 70.97 (a-b)   Casing Diameter 2 inch

b. Water Table Depth 8.03   d. Calculated System Volume

2. WELL PURGE DATA

a. Purge Method: Low flow via bladder pump

b. Acceptance Criteria defined (as per AECOM workplan)

Temperature	±3%	D.O.	±10%	Turbidity	< 20 NTU
pH	±0.1 unit	ORP	± 10mV		
Sp. Cond.	±3%	Drawdown	< 0.3'		

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	Pro Quatro	21K103641
HACH	2100Q	11040C008827
Controller	Micro purge basics QED	MP50-1461

Time (24hr)	Volume Removed (Liters)	Temp.* (°C)	pH*	Spec. Cond.* (mS/cm)	DO* (mg/L)	ORP (mV)	Turbidity* (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
10:30	0.775	20.00	11.68	2.250	1.66	-414.8	172	155	8.30	Cloudy	None
10:35	1.550	20.50	11.87	1.187	5.12	-424.6	111	155	8.31	Cloudy	None
10:40	2.325	20.40	11.91	1.191	5.20	-438.4	115	155	8.32	Cloudy	None
10:45	3.100	20.10	11.95	1.195	4.64	-455.6	86.7	155	8.33	Cloudy	None
10:50	3.875	20.40	11.96	1.196	1.57	-415.5	77.9	155	8.34	Cloudy	None
10:55	4.650	20.40	11.96	1.196	2.25	-442.4	74.0	155	8.35	Cloudy	None
11:00	5.425	20.20	11.96	1.196	2.66	-417.5	76.2	155	8.36	Cloudy	None

(continued on back)

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed?	☐	☐	■
Has required turbidity been reached?	■	☐	☐
Have parameters stabilized?	☐	■	☐

If no or N/A - Explain below.

No minimum purge volume required for low flow sampling. After 4 hour purge, DO and ORP did not stabilize.

3. SAMPLE COLLECTION: Method: Low flow via bladder pump

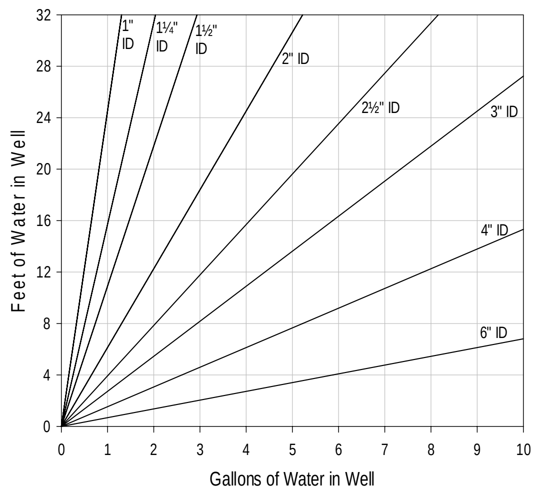
Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114-MW76D-123.75-20240710	Glass	1	HCl	TOC	14:30
	Plastic	1	HNO3	Total Cr	
	Plastic	1	None	Cr+6, Eh, pH	

Comments Sample Depth: 123.75. Pump started at 9:35, accidentally hit bottom causing sediment to clog the pump and tubing. Cleaned the pump and cleared out the tubing. Pump restarted at 10:15, first reading at 10:30.

Signature Megan Clark   Date 7/10/2024

* Temperature via method SM 2550 B-10; pH via SM 4500-H B-11; Spec. Cond. via SM 2510 B-11;
D.O. via SM 4500-0 G-16; Turbidity via SM 2130 B-11.

Purge Volume Calculation

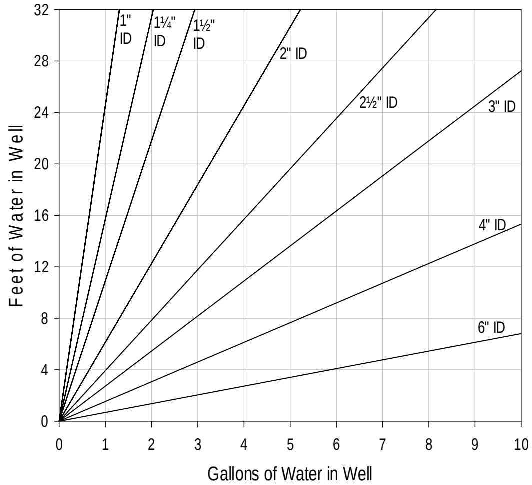


Volume / Linear Ft. of Pipe	
ID (in)	Liter
0.25	0.0097
0.375	0.0217
0.5	0.0386
0.75	0.0869
1	0.1544
1.25	0.2413
1.5	0.3475
2	**0.6178**
2.5	0.9653
3	1.3900
4	**2.4711**
6	5.5600

(continued from front)

Time (24 hr)	Volume Removed (Liters)	Temp (°C)	pH	Spec. Cond. (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (ft)	Color/Odor
11:05	6.200	20.30	12.0	2.309	2.18	-463	60.8	155	8.36	Cloudy/ no odor
11:10	6.975	20.40	12.0	2.315	0.48	-435.8	58.5	155	8.36	Cloudy/ no odor
11:15	7.750	20.30	12.0	2.302	0.69	-465.1	54.9	155	8.36	Cloudy/ no odor
11:20	8.525	20.30	12.0	2.301	1.45	-472.4	50.4	155	8.36	Cloudy/ no odor
11:25	9.300	20.30	12.0	2.311	1.82	-405.4	44.9	155	8.36	Slightly cloudy/none
11:30	10.075	20.20	12.0	2.310	1.69	-469.7	45.3	155	8.36	Slightly cloudy/none
11:35	10.850	19.80	12.0	2.313	2.12	-448.9	43.0	155	8.36	Slightly cloudy/none
11:40	11.625	20.10	12.0	2.323	1.46	-458.6	39.2	155	8.36	Slightly cloudy/none
11:45	12.400	20.00	12.0	2.321	1.89	-443	38.3	155	8.36	Slightly cloudy/none
11:50	13.175	19.90	12.0	2.312	2.55	-480.2	37.5	155	8.36	Slightly cloudy/none
11:55	13.950	20.00	12.0	2.320	1.09	-439.5	35.3	155	8.36	Slightly cloudy/none
12:00	14.725	20.00	12.0	2.328	2.83	-460.6	33.6	155	8.36	Slightly cloudy/none
12:05	15.500	20.20	12.0	2.330	4.68	-453.1	32.3	155	8.36	Slightly cloudy/none
12:10	16.275	19.70	12.0	2.310	2.35	-450	29.0	155	8.36	Clear/ no odor
12:15	17.050	19.80	12.0	2.317	2.78	-451	28.4	155	8.36	Clear/ no odor
12:20	17.825	20.00	12.0	2.318	2.88	-445.8	27.3	155	8.36	Clear/ no odor
12:25	18.600	20.30	12.0	2.319	2.79	-473	26.5	155	3.36	Clear/ no odor
12:30	19.375	20.10	12.0	2.320	2.69	-489.3	24.9	155	3.34	Clear/ no odor
12:35	20.150	20.10	12.0	2.340	1.11	-446.4	21.3	155	3.34	Clear/ no odor
12:40	20.925	20.20	12.0	2.322	3.30	-471.3	22.7	155	3.34	Clear/ no odor
12:45	21.700	20.20	12.0	2.322	2.96	-450.1	23.4	155	3.34	Clear/ no odor
12:50	22.475	20.40	12.0	2.322	2.26	-358.5	18.5	155	3.34	Clear/ no odor
12:55	23.250	22.20	12.0	2.328	2.18	-439	17.6	125	3.32	Clear/ no odor
13:00	24.025	21.50	11.9	2.320	3.58	-448.8	18.8	125	3.32	Clear/ no odor
13:05	24.800	21.60	12.0	2.322	3.42	-451.1	14.5	125	3.32	Clear/ no odor
13:10	25.575	21.50	12.0	2.323	1.13	-422.6	14.6	125	3.32	Clear/ no odor
13:15	26.350	21.40	12.0	2.328	0.34	-449.3	14.7	125	3.32	Clear/ no odor
13:20	27.125	21.40	12.0	2.333	1.08	-452.3	14.5	125	8.30	Clear/ no odor
13:25	27.900	21.30	12.0	2.324	3.29	-452.9	13.7	125	8.29	Clear/ no odor
13:30	28.675	21.20	12.0	2.331	3.89	-447.6	13.5	125	8.28	Clear/ no odor

Purge Volume Calculation



Volume / Linear Ft. of Pipe	
ID (in)	Liter
0.25	0.0097
0.375	0.0217
0.5	0.0386
0.75	0.0869
1	0.1544
1.25	0.2413
1.5	0.3475
2	**0.6178**
2.5	0.9653
3	1.3900
4	**2.4711**
6	5.5600

(continued from front)

Time (24 hr)	Volume Removed (Liters)	Temp (°C)	pH	Spec. Cond. (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (ft)	Color/Odor
13:35	29.450	21.20	12.0	2.325	4.78	-463.8	13.2	125	8.28	Clear/ no odor
13:40	30.225	21.20	12.0	2.322	1.33	-462.9	13.2	125	8.27	Clear/ no odor
13:45	31.000	21.50	12.0	2.334	0.30	-451.3	12.1	125	8.26	Clear/ no odor
13:50	31.775	21.50	12.0	2.329	0.87	-153.0	11.8	125	8.26	Clear/ no odor
13:55	32.550	21.50	12.0	2.326	1.12	-465.5	12.7	125	8.26	Clear/ no odor
14:00	33.325	21.40	12.0	2.327	5.47	-451.4	10.0	125	8.26	Clear/ no odor
14:05	34.100	21.40	12.0	2.338	2.52	-444.7	10.3	125	8.26	Clear/ no odor
14:10	34.875	21.50	12.0	2.333	0.27	-431.8	10.8	125	8.25	Clear/ no odor
14:15	35.650	21.50	12.0	2.330	4.74	-434.0	9.97	125	8.25	Clear/ no odor
14:20	36.425	21.40	12.0	2.330	4.98	-437.0	9.71	125	8.25	Clear/ no odor
14:25	37.200	21.40	12.0	2.330	3.30	-413.6	9.63	125	8.24	Clear/ no odor
14:30	Sample									

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-AUG-P4-BASALTILL	

Sample Information			
Sample ID:	114-MW57C-70.9-20240821	Date:	8/21/2024 1:35:00 PM
Well ID:	114-MW57C	Location Type:	MW
Duplicate ID:		Sampler:	SalemI
Equipment:			
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:	70.9		

Well Inspection			
Well Located?	Yes	Well Diameter:	
Pad Condition:		Well Action Needed?	
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:		Lid Type:	
Cap Condition:		Well Labeled?	
Notes:			

Water Level			
Date:	8/21/2024 12:42:00 PM	Measured Well Depth:	71.79
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	4.51	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:		End Date and Time:	
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:		Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

AECOM

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-AUG-P4-BASALTILL	

Sample Information			
Sample ID:	114-MW57C-70.9-20240821	Date:	8/21/2024 1:35:00 PM
Well ID:	114-MW57C	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
12:45 PM	-25.8	0.37	5.74	4.17	22.40	22.30	4.54	100	0.5	0.5	Yellow	Sweet
12:50 PM	-35.5	0.37	5.77	4.19	22.30	15.90	4.57	100	0.5	1.0	Yellow	Sweet
12:55 PM	-40.8	0.28	5.78	4.21	22.30	10.10	4.59	100	0.5	1.5	Yellow	Sweet
1:00 PM	-42.8	0.26	5.79	4.22	22.40	10.40	4.61	100	0.5	2.0	Yellow	Sweet
1:05 PM	-44.1	0.19	5.79	4.40	22.20	9.87	4.43	100	0.5	2.5	Yellow	Sweet
1:10 PM	-45.9	0.15	5.80	4.45	22.10	9.45	4.35	100	0.5	3.0	Yellow	Sweet
1:15 PM	-47.6	0.14	5.80	4.46	22.00	9.36	4.25	100	0.5	3.5	Yellow	Sweet
1:20 PM	-49.6	0.10	5.79	4.50	22.80	9.25	4.09	100	0.5	4.0	Yellow	Sweet
1:25 PM	-50.2	0.10	5.78	4.52	22.90	9.21	4.06	100	0.5	4.5	Yellow	Sweet
1:30 PM	-51.3	0.09	5.77	4.52	22.90	9.04	4.05	100	0.5	5.0	Yellow	Sweet

AECOM

Well ID:	114-MW76D-103.75

Low Flow Ground Water Sample Collection Record

Client: PPG Jersey City Date: 8/12/2024 Time: Start 9:50 am/pm
Project No: 60732743 Finish 11:50 am/pm
Site Location: Site 114
Weather Conds: 73 F, sunny Collector: Megan Clark

1. WATER LEVEL DATA:

a. Total Well Length 129 c. Length of Water Column 122.4 (a-b) Casing Diameter 6 inch

b. Water Table Depth 6.64 d. Calculated System Volume

2. WELL PURGE DATA

a. Purge Method: Low flow via bladder pump

b. Acceptance Criteria defined (as per AECOM workplan)

Temperature	±3%	D.O.	±10%	Turbidity	< 20 NTU
pH	±0.1 unit	ORP	± 10mV		
Sp. Cond.	±3%	Drawdown	< 0.3'		

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	Pro Quatro	21K103648
HACH	2100Q	23080D000059
Controller	Micro purge basics QED	MP50-2366

Time (24hr)	Volume Removed (Liters)	Temp.* (°C)	pH*	Spec. Cond.* (mS/cm)	DO* (mg/L)	ORP (mV)	Turbidity* (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
10:25	0.55	23.8	11.50	2.039	1.34	-148.2	6.97	110	6.72	Clear	None
10:30	1.10	23.7	11.49	2.070	0.60	-171.9	5.79	110	6.78	Clear	None
10:35	1.65	23.2	11.60	2.091	0.34	-205.7	4.41	110	6.82	Clear	None
10:40	2.20	23.8	11.66	2.074	0.34	-215.6	3.75	110	6.82	Clear	None
10:45	2.75	26.2	11.73	2.073	0.33	-224.1	3.81	110	6.79	Clear	None
11:05	3.30	22.2	11.71	2.140	0.41	-185.8	3.59	110	6.72	Clear	None
11:10	3.85	22.2	11.71	2.126	0.25	-212.6	2.39	110	6.80	Clear	None

(continued on back)

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed?	☐	☐	■
Has required turbidity been reached?	■	☐	☐
Have parameters stabilized?	■	☐	☐

If no or N/A - Explain below.
No minimum purge volume required for low flow sampling.

3. SAMPLE COLLECTION: Method: Low flow via bladder pump

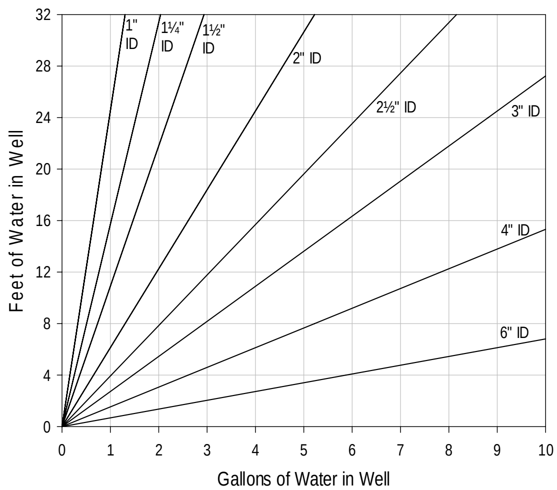
Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114-MW76D-103.75-20240812	Glass	1	HCl	TOC	11:35
	Plastic	1	HNO3	Total Cr	
	Plastic	2	None	Cr+6, Eh, pH/Fe2	
	Plastic, 250mL	1	None	Sulfate	

Comments Sample Depth: 103.75. Pump started at 10:20, first reading at 10:25.
0 ppm PID reading in wellhead space and breathing zone.
Battery stopped working after 10:45 reading causing a 20 minute delay, needed to use car battery

Signature Megan Clark Date 8/12/2024

* Temperature via method SM 2550 B-10; pH via SM 4500-H B-11; Spec. Cond. via SM 2510 B-11;
D.O. via SM 4500-0 G-16; Turbidity via SM 2130 B-11.

Purge Volume Calculation



Volume / Linear Ft. of Pipe	
ID (in)	Liter
0.25	0.0097
0.375	0.0217
0.5	0.0386
0.75	0.0869
1	0.1544
1.25	0.2413
1.5	0.3475
2	**0.6178**
2.5	0.9653
3	1.3900
4	**2.4711**
6	5.5600

(continued from front)

Time (24 hr)	Volume Removed (Liters)	Temp (°C)	pH	Spec. Cond. (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (ft)	Color/Odor
11:15	4.40	22.20	11.81	2.130	0.20	-237.2	2.29	110	6.84	Clear/no odor
11:20	4.95	22.20	11.83	2.132	0.18	-243.9	1.57	110	6.85	Clear/no odor
11:25	5.50	22.60	11.84	2.128	0.18	-240.9	1.50	110	6.86	Clear/no odor
11:30	6.05	22.80	11.84	2.123	0.17	-235.9	1.60	110	6.90	Clear/no odor
11:35	Sample									

AECOM

Well ID:	114-MW76D-108.75

Low Flow Ground Water Sample Collection Record

Client: PPG Jersey City   Date: 8/12/2024   Time: Start 12:00 am/pm
Project No: 60732743   Finish 14:00 am/pm
Site Location: Site 114
Weather Conds: 79 F, partly sunny   Collector: Megan Clark

1. WATER LEVEL DATA:

a. Total Well Length 129   c. Length of Water Column 122.6 (a-b)   Casing Diameter 6 inch

b. Water Table Depth 6.45   d. Calculated System Volume

2. WELL PURGE DATA

a. Purge Method: Low flow via bladder pump

b. Acceptance Criteria defined (as per AECOM workplan)

Temperature	+3%	D.O.	+10%	Turbidity	< 20 NTU
pH	+0.1 unit	ORP	+ 10mV		
Sp. Cond.	+3%	Drawdown	< 0.3'		

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	Pro Quatro	21K103648
HACH	2100Q	23080D000059
Controller	Micro purge basics QED	MP50-2366

Time (24hr)	Volume Removed (Liters)	Temp.* (°C)	pH*	Spec. Cond.* (mS/cm)	DO* (mg/L)	ORP (mV)	Turbidity* (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
12:30	0.50	26	11.59	2.018	0.57	-177.8	6.01	100	6.67	Clear	None
12:35	1.00	25.7	11.55	2.092	0.32	-198.7	5.41	100	6.70	Clear	None
12:40	1.50	25.2	11.60	2.097	0.16	-222	3.95	100	6.74	Clear	None
12:45	2.00	23.7	11.72	2.120	0.11	-219.4	3.59	100	6.75	Clear	None
12:50	2.50	24.1	11.74	2.113	0.10	-251.8	3.60	100	6.76	Clear	None
12:55	3.00	23.8	11.78	2.124	0.10	-260.4	3.16	100	6.77	Clear	None
13:00	3.50	24.1	11.78	2.115	0.09	-254.6	3.40	100	6.80	Clear	None

(continued on back)

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed?	☐	☐	■
Has required turbidity been reached?	■	☐	☐
Have parameters stabilized?	■	☐	☐

If no or N/A - Explain below.
No minimum purge volume required for low flow sampling.

3. SAMPLE COLLECTION: Method: Low flow via bladder pump

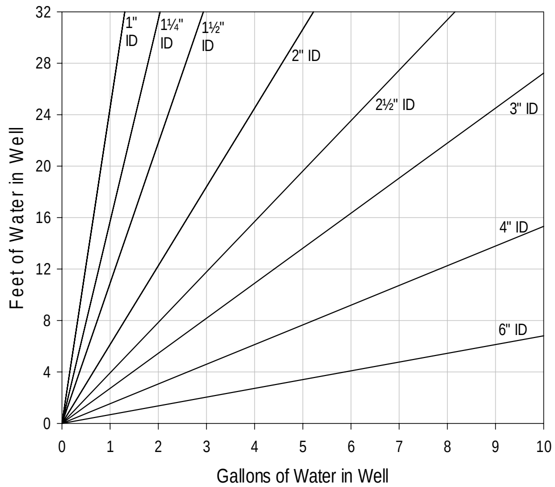
Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114-MW76D-108.75-20240812	Glass	3	HCl	TOC	13:10
MS/MSD collected	Plastic	3	HNO3	Total Cr	
	Plastic	6	None	Cr+6, Eh, pH/Fe2	
	Plastic, 250mL	3	None	Sulfate	

Comments Sample Depth: 108.75. Pump started at 12:25, first reading at 12:30. MS/MSD collected
0 ppm PID reading in wellhead space and breathing zone.
Bladder changed

Signature Megan Clark   Date 8/12/2024

* Temperature via method SM 2550 B-10; pH via SM 4500-H B-11; Spec. Cond. via SM 2510 B-11;
D.O. via SM 4500-0 G-16; Turbidity via SM 2130 B-11.

Purge Volume Calculation



Volume / Linear Ft. of Pipe	
ID (in)	Liter
0.25	0.0097
0.375	0.0217
0.5	0.0386
0.75	0.0869
1	0.1544
1.25	0.2413
1.5	0.3475
2	**0.6178**
2.5	0.9653
3	1.3900
4	**2.4711**
6	5.5600

(continued from front)

Time (24 hr)	Volume Removed (Liters)	Temp (°C)	pH	Spec. Cond. (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (ft)	Color/Odor
13:05	4.50	24.30	11.78	2.111	0.09	-254.9	3.32	100	6.79	Clear/No odor
13:10	Sample									

AECOM

Well ID:	114-MW76D-113.75

Low Flow Ground Water Sample Collection Record

Client: PPG Jersey City Date: 8/13/2024 Time: Start 8:05 am/pm
Project No: 60732743 Finish 10:30 am/pm
Site Location: Site 114
Weather Conds: 68 F sunny Collector: B. Wallgren

1. WATER LEVEL DATA:

a. Total Well Length 129 c. Length of Water Column 122.4 (a-b) Casing Diameter 6 inch

b. Water Table Depth 6.59 d. Calculated System Volume

2. WELL PURGE DATA

a. Purge Method: Low flow via bladder pump

b. Acceptance Criteria defined (as per AECOM workplan)

Temperature	+3%	D.O.	+10%	Turbidity	< 20 NTU
pH	+0.1 unit	ORP	+ 10mV		
Sp. Cond.	+3%	Drawdown	< 0.3'		

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	Pro Quatro	21K103649
HACH	2100Q	16090C052372
Controller	Micro purge basics QED	MP50-2366

Time (24hr)	Volume Removed (Liters)	Temp.* (°C)	pH*	Spec. Cond.* (mS/cm)	DO* (mg/L)	ORP (mV)	Turbidity* (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
8:35	0.00	21.6	11.73	1.599	7.07	-16.4	5.55	150	6.75	Clear	None
8:40	0.75	19.5	11.79	1.803	0.88	-94.9	28.7	150	6.83	Clear	None
8:45	1.50	19.4	11.98	2.021	0.48	-152.2	27.4	150	6.87	Clear	None
8:50	2.25	20.0	12.06	2.008	0.37	-172.2	31.5	150	6.89	Clear	None
8:55	3.00	21.2	12.09	2.024	0.35	-178.2	36.3	150	6.87	Clear	None
9:00	3.75	21.1	12.06	2.021	0.34	-169.4	28.2	150	6.87	Clear	None
9:05	4.50	19.5	12.07	2.033	0.30	-166.6	20.5	150	6.87	Clear	None

(continued on back)

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed?	☐	☐	■
Has required turbidity been reached?	■	☐	☐
Have parameters stabilized?	■	☐	☐

If no or N/A - Explain below.
No minimum purge volume required for low flow sampling.

3. SAMPLE COLLECTION: Method: Low flow via bladder pump

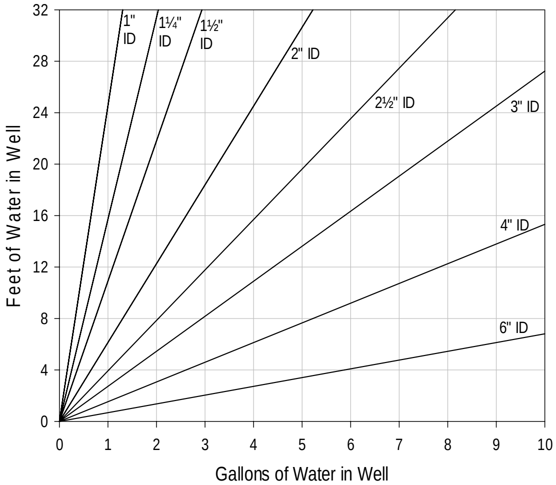
Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114-MW76D-113.75-20240813	Glass	1	HCl	TOC	10:10
	Plastic	1	HNO3	Total Cr	
	Plastic	2	None	Cr+6, Eh, pH/Fe2	
	Plastic, 250mL	1	None	Sulfate	

Comments DUP collected @ 10:15 114-MW76D-113.75-20240813-X
Bladder changed
Battery died at 8:50, needed to use car battery

Signature Brooke wallgren Date 8/13/2024

* Temperature via method SM 2550 B-10; pH via SM 4500-H B-11; Spec. Cond. via SM 2510 B-11;
D.O. via SM 4500-0 G-16; Turbidity via SM 2130 B-11.

Purge Volume Calculation



Volume / Linear Ft. of Pipe	
ID (in)	Liter
0.25	0.0097
0.375	0.0217
0.5	0.0386
0.75	0.0869
1	0.1544
1.25	0.2413
1.5	0.3475
2	**0.6178**
2.5	0.9653
3	1.3900
4	**2.4711**
6	5.5600

(continued from front)

Time (24 hr)	Volume Removed (Liters)	Temp (°C)	pH	Spec. Cond. (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (ft)	Color/Odor
9:10	5.25	19.50	12.07	2.034	0.28	-172.7	17.9	150	6.93	Clear/ No odor
9:15	6.00	19.60	12.10	2.034	0.24	-1768	17.5	150	6.95	Clear/ No odor
9:20	6.75	19.60	12.12	2.041	0.23	-180.4	13.3	150	6.95	Clear/ No odor
9:25	7.50	19.70	12.11	2.040	0.22	-181.9	12.3	150	6.95	Clear/ No odor
9:30	8.25	19.60	12.12	2.044	0.21	-183.2	11.4	150	6.95	Clear/ No odor
9:35	9.00	19.90	12.11	2.037	0.20	-180.2	12.0	150	6.95	Clear/ No odor
9:40	9.75	19.90	12.12	2.042	0.20	-177.4	11.4	150	6.95	Clear/ No odor
9:45	10.50	19.70	12.11	2.041	0.20	-173.3	11.4	150	6.95	Clear/ No odor
9:50	11.25	19.80	12.12	2.046	0.20	-173.4	11.4	150	6.95	Clear/ No odor
9:55	12.00	19.90	12.11	2.042	0.19	-173.7	9.99	150	6.95	Clear/ No odor
10:00	12.75	20.20	12.11	2.040	0.18	-176.1	9.57	150	6.95	Clear/ No odor
10:05	13.50	19.90	12.11	2.047	0.17	-180.6	9.77	150	6.95	Clear/ No odor
114-MW76D-113.75-20240813										

AECOM

Well ID:	114-MW76D-118.75

Low Flow Ground Water Sample Collection Record

Client: PPG Jersey City
Date: 8/13/2024
Time: Start 10:45 am/pm
Finish 12:30 am/pm
Project No: 60732743
Site Location: Site 114
Weather Conds: 73 sunny
Collector: B. Wallgren

1. WATER LEVEL DATA:

a. Total Well Length 129
c. Length of Water Column 122.4 (a-b)
Casing Diameter 6 inch

b. Water Table Depth 6.62
d. Calculated System Volume

2. WELL PURGE DATA

a. Purge Method: Low flow via bladder pump

b. Acceptance Criteria defined (as per AECOM workplan)

Temperature	±3%	D.O.	±10%	Turbidity	< 20 NTU
pH	±0.1 unit	ORP	± 10mV		
Sp. Cond.	±3%	Drawdown	< 0.3'		

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	Pro Quatro	21K103649
HACH	2100Q	16090C052372
Controller	Micro purge basics QED	MP50-2366

Time (24hr)	Volume Removed (Liters)	Temp.* (°C)	pH*	Spec. Cond.* (mS/cm)	DO* (mg/L)	ORP (mV)	Turbidity* (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
10:50	0.00	21.6	11.99	2.038	0.97	-85.0	17.3	150	6.79	Clear	None
10:55	0.75	18.7	12.03	2.052	0.77	-98.0	32.5	150	6.90	Clear	None
11:00	1.50	19.3	12.03	2.065	0.21	-143.1	30.3	150	6.93	Clear	None
11:05	2.25	18.6	12.10	2.050	0.19	-153.1	23.9	150	6.95	Clear	None
11:10	3.00	18.6	12.13	2.051	0.14	-167.2	23.2	150	7.00	Clear	None
11:15	3.75	18.7	12.14	2.051	0.14	-175.2	19.7	150	7.02	Clear	None
11:20	4.50	18.6	12.15	2.055	0.13	-175.1	15.6	150	7.03	Clear	None

(continued on back)

d. Acceptance criteria pass/fail	Yes	No	N/A
Has required volume been removed?	☐	☐	■
Has required turbidity been reached?	■	☐	☐
Have parameters stabilized?	■	☐	☐

If no or N/A - Explain below.
No minimum purge volume required for low flow sampling.

3. SAMPLE COLLECTION: Method: Low flow via bladder pump

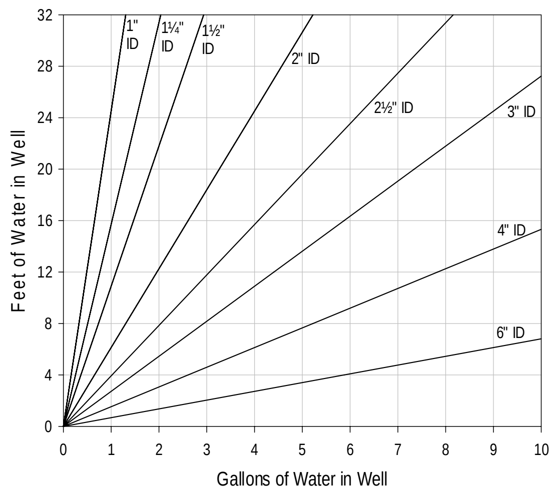
Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114-MW76D-118.75-20240813	Glass	1	HCl	TOC	12:15
	Plastic	1	HNO3	Total Cr	
	Plastic	2	None	Cr+6, Eh, pH/Fe2	
	Plastic, 250mL	1	None	Sulfate	

Comments Bladder changed

Signature Brooke Wallgren
Date 8/13/2024

* Temperature via method SM 2550 B-10; pH via SM 4500-H B-11; Spec. Cond. via SM 2510 B-11;
D.O. via SM 4500-0 G-16; Turbidity via SM 2130 B-11.

Purge Volume Calculation



Volume / Linear Ft. of Pipe	
ID (in)	Liter
0.25	0.0097
0.375	0.0217
0.5	0.0386
0.75	0.0869
1	0.1544
1.25	0.2413
1.5	0.3475
2	**0.6178**
2.5	0.9653
3	1.3900
4	**2.4711**
6	5.5600

(continued from front)

Time (24 hr)	Volume Removed (Liters)	Temp (°C)	pH	Spec. Cond. (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (ft)	Color/Odor
11:25	5.25	18.30	12.16	2.062	0.13	-173.2	16.4	150	7.03	Clear / none
11:30	6.00	18.50	12.14	2.054	0.13	-175.0	13.4	150	7.04	Clear / none
11:35	6.75	18.20	12.17	2.059	0.12	-172.1	11.6	150	7.04	Clear / none
11:40	7.50	18.20	12.15	2.057	0.12	-171.8	10.9	150	7.04	Clear / none
11:45	8.25	18.20	12.15	2.056	0.11	-181.7	10.7	150	7.04	Clear / none
11:50	9.00	18.50	12.16	2.054	0.10	-183.1	10.1	150	7.04	Clear / none
11:55	9.75	18.20	12.16	2.060	0.10	-177.2	10.0	150	7.04	Clear / none
12:00	10.50	18.10	12.15	2.059	0.10	-180.5	9.64	150	7.04	Clear / none
12:05	11.25	18.30	12.15	2.051	0.10	-184.1	9.58	150	7.04	Clear / none
12:10	12.00	18.60	12.16	2.049	0.10	-187.0	9.47	150	7.04	Clear / none

AECOM

Well ID:	114-MW76D-123.75

Low Flow Ground Water Sample Collection Record

Client: PPG Jersey City Date: 8/13/2024 Time: Start 12:40 am/pm
Project No: 60732743 Finish 14:30 am/pm
Site Location: Site 114
Weather Conds: 78 sunny Collector: B. Wallgren

1. WATER LEVEL DATA:

a. Total Well Length 129 c. Length of Water Column 122.3 (a-b) Casing Diameter 6 inch

b. Water Table Depth 6.67 d. Calculated System Volume

2. WELL PURGE DATA

a. Purge Method: Low flow via bladder pump

b. Acceptance Criteria defined (as per AECOM workplan)

Temperature	+3%	D.O.	+10%	Turbidity	< 20 NTU
pH	+0.1 unit	ORP	+ 10mV		
Sp. Cond.	+3%	Drawdown	< 0.3'		

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	Pro Quatro	21K103649
HACH	2100Q	16090C052372
Controller	Micro purge basics QED	MP50-2366

Time (24hr)	Volume Removed (Liters)	Temp.* (°C)	pH*	Spec. Cond.* (mS/cm)	DO* (mg/L)	ORP (mV)	Turbidity* (NTU)	Flow Rate (ml/min)	DTW (feet)	Color	Odor
12:45	0	25.9	11.35	0.879	1.54	-19.2	15.7	100	6.70	Clear	None
12:50	0.500	24.4	11.37	1.137	0.86	-26.9	14.6	100	6.70	Clear	None
12:55	1.000	23.9	11.81	1.948	0.26	-68.0	18.0	100	6.70	Clear	None
13:00	1.500	23.8	11.87	1.999	0.23	-72.5	17.4	100	6.70	Clear	None
13:05	2.000	21.2	12.00	2.037	0.14	-85.0	17.3	100	6.75	Clear	None
13:10	2.500	20.8	12.02	2.025	0.13	-88.6	14.5	100	6.75	Clear	None
13:15	3.000	20.6	12.05	2.028	0.12	-98.5	14.5	100	6.75	Clear	None

(continued on back)

d. Acceptance criteria pass/fail	Yes	No	N/A
Has required volume been removed?	☐	☐	■
Has required turbidity been reached?	■	☐	☐
Have parameters stabilized?	☐	■	☐

If no or N/A - Explain below.

No minimum purge volume required for low flow sampling. After 4 hour purge, DO and ORP did not stabilize.

3. SAMPLE COLLECTION: Method: Low flow via bladder pump

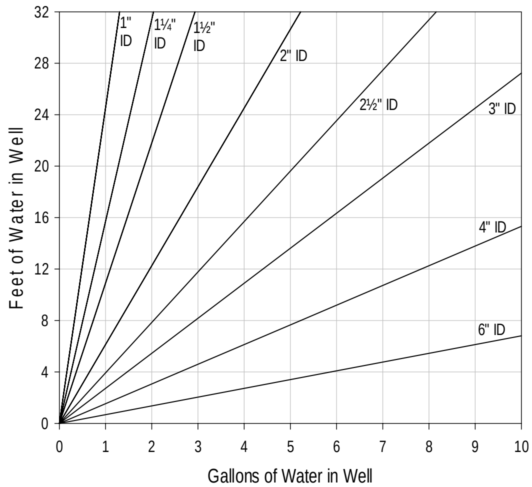
Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
114-MW76D-123.75-20240813	Glass	1	HCl	TOC	13:45
	Plastic	1	HNO3	Total Cr	
	Plastic	2	None	Cr+6, Eh, pH/Fe2	
	Plastic, 250mL	1	None	Sulfate	

Comments Bladder changed

Signature Brooke Wallgren Date 8/13/2024

* Temperature via method SM 2550 B-10; pH via SM 4500-H B-11; Spec. Cond. via SM 2510 B-11;
D.O. via SM 4500-0 G-16; Turbidity via SM 2130 B-11.

Purge Volume Calculation



Volume / Linear Ft. of Pipe	
ID (in)	Liter
0.25	0.0097
0.375	0.0217
0.5	0.0386
0.75	0.0869
1	0.1544
1.25	0.2413
1.5	0.3475
2	**0.6178**
2.5	0.9653
3	1.3900
4	**2.4711**
6	5.5600

(continued from front)

Time (24 hr)	Volume Removed (Liters)	Temp (°C)	pH	Spec. Cond. (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	DTW (ft)	Color/Odor
13:20	3.500	20.20	12.1	2.029	0.11	-99.8	10.7	100	6.78	Clear / none
13:25	4.000	20.50	12.1	2.032	0.10	-110.7	10.2	100	6.78	Clear / none
13:30	4.500	20.30	12.1	2.035	0.10	-114.8	9.89	100	6.78	Clear / none
13:35	5.000	20.00	12.1	2.040	0.10	-117.5	9.25	100	6.78	Clear / none
13:40	5.500	20.20	12.1	2.039	0.10	-119.0	9.22	100	6.80	Clear / none

GROUNDWATER SAMPLING LOG

Client: PPG Industries
Project #:
Site: Garfield Avenue group of sites
Event: 2024-AUG-P4-WBEDROCK

Sample Information			
Sample ID:	114-MW53C-48.0-20240805	Date:	8/5/2024 1:30:00 PM
Well ID:	114-MW53C	Location Type:	MW
Duplicate ID:		Sampler:	UflandC
Equipment:	Field param meter: YSI Pro Plus #		
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:			

Well Inspection			
Well Located?	Yes	Well Diameter:	
Pad Condition:		Well Action Needed?	No
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:	good	Lid Type:	
Cap Condition:		Well Labeled?	yes
Notes:			

Water Level			
Date:	8/5/2024 12:24:00 PM	Measured Well Depth:	48.34
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	6.91	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	8/5/2024 12:35:00 PM	End Date and Time:	8/5/2024 1:25:00 PM
Initial Pump Depth:	48	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Project #:

Site: Garfield Avenue group of sites

Event: 2024-AUG-P4-WBEDROCK

Sample Information			
Sample ID:	114-MW53C-48.0-20240805	Date:	8/5/2024 1:30:00 PM
Well ID:	114-MW53C	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
12:40 PM	-63.8 -63.8	1.00 1.00	6.32 6.32	4.12 4.12	23.1 23.1	4.04 4.04	7.00 7.00	100 100	0.50 0.50	0.50 0.50	Light yellow Light yellow	None None
12:45 PM	-63.9 -63.9	1.24 1.24	6.21 6.21	4.19 4.19	26.3 26.3	7.57 7.57	6.98 6.98	100 100	0.50 0.50	1.00 1.00	Light yellow Light yellow	None None
12:50 PM	-64.2 -64.2	1.10 1.10	6.21 6.21	4.16 4.16	25.1 25.1	3.93 3.93	6.98 6.98	100 100	0.50 0.50	1.50 1.50	Light yellow Light yellow	Slight stink Slight stink
12:55 PM	-68.1 -68.1	1.07 1.07	6.18 6.18	4.13 4.13	25.2 25.2	5.56 5.56	6.96 6.96	100 100	0.50 0.50	2.00 2.00	Light yellow Light yellow	Slight stink Slight stink
1:00 PM	-68.1 -68.1	1.14 1.14	6.18 6.18	4.13 4.13	25.1 25.1	3.72 3.72	6.94 6.94	100 100	0.50 0.50	2.50 2.50	Light yellow Light yellow	Slight stink Slight stink
1:05 PM	-70.5 -70.5	0.34 0.34	6.17 6.17	4.12 4.12	25.1 25.1	3.75 3.75	6.93 6.93	100 100	0.50 0.50	3.00 3.00	Light yellow Light yellow	Slightly stinky Slightly stinky
1:10 PM	-78.4 -78.4	0.18 0.18	6.17 6.17	4.13 4.13	23.5 23.5	3.57 3.57	6.93 6.93	100 100	0.50 0.50	3.50 3.50	Light yellow Light yellow	Slightly stinky Slightly stinky
1:15 PM	-77.7 -77.7	0.11 0.11	6.20 6.20	4.05 4.05	23.2 23.2	3.61 3.61	6.92 6.92	100 100	0.50 0.50	4.00 4.00	Light yellow Light yellow	Slightly stinky Slightly stinky
1:20 PM	-77.6 -77.6	0.11 0.11	6.20 6.20	4.05 4.05	23.6 23.6	3.55 3.55	6.92 6.92	100 100	0.50 0.50	4.50 4.50	Light yellow Light yellow	Slightly stinky Slightly stinky
1:25 PM	-77.7 -77.7	0.09 0.09	6.20 6.20	4.02 4.02	23.7 23.7	3.50 3.50	6.92 6.92	100 100	0.50 0.50	5.00 5.00	Light yellow Light yellow	Slight stink Slight stink

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-AUG-P4-WBEDROCK	

Sample Information

Sample ID:	114-MW57C-80.0-20240805	Date:	8/5/2024 10:55:00 AM
Well ID:	114-MW57C	Location Type:	MW
Duplicate ID:		Sampler:	UflandC
Equipment:	Field param meter: YSI Pro Plus #		
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:			

Well Inspection

Well Located?	Yes	Well Diameter:	
Pad Condition:		Well Action Needed?	No
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:	good	Lid Type:	
Cap Condition:		Well Labeled?	yes
Notes:			

Water Level

Date:	8/5/2024 9:14:00 AM	Measured Well Depth:	71.63
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	5.88	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	8/5/2024 9:25:00 AM	End Date and Time:	8/5/2024 10:50:00 AM
Initial Pump Depth:	80	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

AECOM

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-AUG-P4-WBEDROCK	

Sample Information			
Sample ID:	114-MW57C-80.0-20240805	Date:	8/5/2024 10:55:00 AM
Well ID:	114-MW57C	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
9:30 AM	40.4 40.4	34.60 34.60	5.62 5.62	3.31 3.31	22.1 22.1	6.74 6.74	5.82 5.82	100 100	0.50 0.50	0.50 0.50	Yellow Yellow	None None
9:35 AM	25.7 25.7	2.58 2.58	5.63 5.63	3.69 3.69	23.1 23.1	5.53 5.53	5.81 5.81	100 100	0.50 0.50	1.00 1.00	Yellow Yellow	Slightly stinky Slightly stinky
9:40 AM	22.4 22.4	2.42 2.42	5.65 5.65	3.85 3.85	22.9 22.9	4.78 4.78	5.80 5.80	100 100	0.50 0.50	1.50 1.50	Yellow Yellow	Slightly stinky Slightly stinky
9:45 AM	20.2 20.2	2.64 2.64	5.67 5.67	3.98 3.98	22.5 22.5	4.85 4.85	5.77 5.77	100 100	0.50 0.50	2.00 2.00	Yellow Yellow	Slightly stinky Slightly stinky
9:50 AM	17.1 17.1	2.27 2.27	5.69 5.69	4.08 4.08	22.3 22.3	4.42 4.42	5.76 5.76	100 100	0.50 0.50	2.50 2.50	Yellow Yellow	Slightly stinky Slightly stinky
9:55 AM	9.9 9.9	1.75 1.75	5.73 5.73	4.35 4.35	22.2 22.2	4.20 4.20	5.72 5.72	100 100	0.50 0.50	3.00 3.00	Yellow Yellow	Slightly stinky Slightly stinky
10:00 AM	6.5 6.5	1.61 1.61	5.74 5.74	4.38 4.38	22.4 22.4	3.98 3.98	5.69 5.69	100 100	0.50 0.50	3.50 3.50	Yellow Yellow	Slightly stinky Slightly stinky
10:05 AM	2.0 2.0	1.57 1.57	5.72 5.72	4.03 4.03	22.7 22.7	5.90 5.90	5.77 5.77	100 100	0.50 0.50	4.00 4.00	Yellow Yellow	Slightly stinky Slightly stinky
10:10 AM	-17.0 -17.0	1.59 1.59	5.70 5.70	3.82 3.82	22.5 22.5	4.72 4.72	5.86 5.86	100 100	0.50 0.50	4.50 4.50	Yellow Yellow	Slightly stinky Slightly stinky
10:15 AM	3.5 3.5	1.46 1.46	5.73 5.73	4.30 4.30	22.3 22.3	4.46 4.46	5.93 5.93	100 100	0.50 0.50	5.00 5.00	Yellow Yellow	Slightly stinky Slightly stinky
10:20 AM	3.0 3.0	1.32 1.32	5.73 5.73	4.35 4.35	22.9 22.9	4.44 4.44	5.97 5.97	100 100	0.50 0.50	5.50 5.50	Dark yellow Dark yellow	Slightly stinky Slightly stinky
10:25 AM	3.5 3.5	1.24 1.24	5.73 5.73	4.39 4.39	23.2 23.2	4.28 4.28	6.01 6.01	100 100	0.50 0.50	6.00 6.00	Dark yellow Dark yellow	Slightly stinky Slightly stinky
10:30 AM	2.8 2.8	1.18 1.18	5.74 5.74	4.44 4.44	22.8 22.8	4.35 4.35	6.04 6.04	100 100	0.50 0.50	6.50 6.50	Dark yellow	Slightly stinky

GROUNDWATER SAMPLING LOG

											Dark yellow	Slightly stinky
10:35 AM	1.4	1.06	5.75	4.46	22.9	4.25	6.05	100	0.50	7.00	Dark yellow	Slightly stinky
	1.4	1.06	5.75	4.46	22.9	4.25	6.05	100	0.50	7.00	Dark yellow	Slightly stinky
10:40 AM	2.1	1.02	5.76	4.43	22.8	4.33	6.05	100	0.50	7.50	Dark yellow	Slightly stinky
	2.1	1.02	5.76	4.43	22.8	4.33	6.05	100	0.50	7.50	Dark yellow	Slightly stinky
10:45 AM	2.3	0.97	5.76	4.43	22.8	4.34	6.06	100	0.50	8.00	Dark yellow	Slightly stinky
	2.3	0.97	5.76	4.43	22.8	4.34	6.06	100	0.50	8.00	Dark yellow	Slightly stinky
10:50 AM	2.3	0.93	5.75	4.46	22.8	4.37	6.06	100	0.50	8.50	Dark yellow	Slightly stinky
	2.3	0.93	5.75	4.46	22.8	4.37	6.06	100	0.50	8.50	Dark yellow	Slightly stinky

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-AUG-P4-WBEDROCK	

Sample Information

Sample ID:	114-MW75WR-118.0-20240807	Date:	8/7/2024 2:55:00 PM
Well ID:	114-MW75WR	Location Type:	MW
Duplicate ID:		Sampler:	UflandC
Equipment:	Field param meter: YSI Pro Plus #		
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:			

Well Inspection

Well Located?	Yes	Well Diameter:	2
Pad Condition:		Well Action Needed?	No
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:	good	Lid Type:	
Cap Condition:		Well Labeled?	yes
Notes:			

Water Level

Date:	8/7/2024 12:40:00 PM	Measured Well Depth:	120.34
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	4.34	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	8/7/2024 12:45:00 PM	End Date and Time:	8/7/2024 2:50:00 PM
Initial Pump Depth:	118	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Site: Garfield Avenue group of sites

Project #:

Event: 2024-AUG-P4-WBEDROCK

Sample Information			
Sample ID:	114-MW75WR-118.0-20240807	Date:	8/7/2024 2:55:00 PM
Well ID:	114-MW75WR	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
12:50 PM	-297.8	1.74	7.00	2.12	20.0	0.00	4.41	100	0.50	0.50	Cloudy	Stinky
12:55 PM	-284.3	0.51	6.30	1.41	19.8	0.00	4.42	100	0.50	1.00	Cloudy	Stinky
1:00 PM	-286.6	0.59	6.15	1.21	19.8	0.00	4.42	100	0.50	1.50	Cloudy	Stinky
1:05 PM	-287.8	0.83	5.90	0.89	19.7	0.00	4.42	100	0.50	2.00	Cloudy	Stinky
1:10 PM	-282.5	0.62	5.77	0.87	19.6	0.00	4.41	100	0.50	2.50	Cloudy	Stinky
1:15 PM	-284.2	0.51	5.78	0.94	19.6	0.00	4.41	100	0.50	3.00	Cloudy	Stinky
1:20 PM	-287.1	0.79	5.80	1.03	19.5	0.00	4.41	100	0.50	3.50	Cloudy	Stinky
1:25 PM	-289.7	0.45	5.88	1.11	19.4	0.00	4.41	100	0.50	4.00	Cloudy	Stinky
1:30 PM	-293.0	0.45	5.94	1.19	19.4	0.00	4.41	100	0.50	4.50	Cloudy	Stinky
1:35 PM	-296.8	0.43	6.04	1.26	19.4	0.00	4.41	100	0.50	5.00	Cloudy	Stinky
1:40 PM	-295.5	0.75	6.05	1.28	19.6	0.00	4.41	100	0.50	5.50	Cloudy	Stinky
1:45 PM	-300.4	0.57	6.12	1.35	19.3	0.00	4.40	100	0.50	6.00	Cloudy	Stinky
1:50 PM	-301.8	0.83	6.20	1.43	19.3	930.00	4.40	100	0.50	6.50	Cloudy	Stinky
1:55 PM	-306.7	0.58	6.23	1.45	19.4	718.00	4.39	100	0.50	7.00	Cloudy	Stinky
2:00 PM	-306.2	0.47	6.27	1.50	19.4	713.00	4.39	100	0.50	7.50	Cloudy	Stinky
2:05 PM	-310.7	0.38	6.32	1.54	19.5	664.00	4.39	100	0.50	8.00	Cloudy	Stinky
2:10 PM	-310.7	0.37	6.38	1.59	19.5	552.00	4.39	100	0.50	8.50	Cloudy	Stinky
2:15 PM	-312.9	0.42	6.42	1.62	19.5	541.00	4.38	100	0.50	9.00	Cloudy	Stinky
2:20 PM	-312.3	0.39	6.43	1.63	19.5	487.00	4.37	100	0.50	9.50	Cloudy	Stinky
2:25 PM	-314.6	0.16	6.46	1.67	19.5	483.00	4.36	100	0.50	10.00	Cloudy	Stinky
2:30 PM	-315.1	0.16	6.50	1.68	19.5	401.00	4.36	100	0.50	10.50	Cloudy	Stinky
2:35 PM	-316.3	0.17	6.51	1.69	19.5	382.00	4.36	100	0.50	11.00	Cloudy	Stinky
2:40 PM	-317.1	0.15	6.55	1.71	19.5	374.00	4.35	100	0.50	11.50	Cloudy	Stinky
2:45 PM	-318.3	0.15	6.57	1.73	19.5	331.00	4.34	100	0.50	12.00	Cloudy	Stinky
2:50 PM	-32.2	0.15	6.59	1.74	19.5	311.00	4.34	100	0.50	12.50	Cloudy	Stinky

GROUNDWATER SAMPLING LOG

Client: PPG Industries
Project #:

Site: Garfield Avenue group of sites
Event: 2024-AUG-P4-WBEDROCK

Sample Information			
Sample ID:	114-MW76WR-57.0-20240805	Date:	8/5/2024 10:30:00 AM
Well ID:	114-MW76WR	Location Type:	BH
Duplicate ID:		Sampler:	WallgrenB
Equipment:			
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:			

Well Inspection			
Well Located?	Yes	Well Diameter:	4
Pad Condition:		Well Action Needed?	
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:		Lid Type:	
Cap Condition:		Well Labeled?	
Notes:			

Water Level			
Date:	8/5/2024 9:32:00 AM	Measured Well Depth:	NM
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	5.93	Depth to LNAPL:	NE
Notes:	Interval depth 57.0		

Purge Information			
Begin Date and Time:	8/5/2024 9:40:00 AM	End Date and Time:	8/5/2024 10:25:00 AM
Initial Pump Depth:	57	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

AECOM

Client: PPG Industries

Project #:

Site: Garfield Avenue group of sites

Event: 2024-AUG-P4-WBEDROCK

Sample Information			
Sample ID: 114-MW76WR-57.0-20240805		Date:	8/5/2024 10:30:00 AM
Well ID: 114-MW76WR		Location Type:	BH

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
9:45 AM	-60.2	0.64	11.79	4.48	20.6	0.80	6.27	150	0.75	0.75	Light yellow	None
9:50 AM	-132.0	0.39	11.88	4.47	19.8	0.85	6.59	150	0.75	1.50	Light yellow	None
9:55 AM	-183.2	0.26	11.93	4.47	19.4	0.67	6.99	150	0.75	2.25	Light yellow	None
10:00 AM	-202.2	0.25	11.93	4.44	19.7	0.86	7.28	150	0.75	3.00	Light yellow	None
10:05 AM	-215.6	0.21	11.98	4.46	19.7	0.71	7.60	150	0.75	3.75	Light yellow	None
10:10 AM	-220.9	0.20	11.95	4.45	19.6	0.66	7.95	150	0.75	4.50	Light yellow	None
10:15 AM	-224.7	0.16	11.96	4.45	19.7	0.64	8.20	150	0.75	5.25	Light yellow	None
10:20 AM	-228.2	0.15	11.98	4.46	20.0	0.76	8.49	150	0.75	6.00	Light yellow	None
10:25 AM	-228.6	0.16	11.98	4.44	20.3	0.98	8.67	150	0.75	6.75	Light yellow	None

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-AUG-P4-WBEDROCK	

Sample Information

Sample ID:	114-MW76WR-62.0-20240806	Date:	8/6/2024 9:35:00 AM
Well ID:	114-MW76WR	Location Type:	BH
Duplicate ID:		Sampler:	Brooke Wallgren
Equipment:			
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:			

Well Inspection

Well Located?	Yes	Well Diameter:	4
Pad Condition:		Well Action Needed?	
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:		Lid Type:	
Cap Condition:		Well Labeled?	
Notes:			

Water Level

Date:	8/6/2024 8:42:00 AM	Measured Well Depth:	66.00
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	5.76	Depth to LNAPL:	NE
Notes:	Sample interval 62.0		

Purge Information

Begin Date and Time:	8/6/2024 8:54:00 AM	End Date and Time:	8/6/2024 9:30:00 AM
Initial Pump Depth:	62	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

AECOM

Client: PPG Industries

Project #:

Site: Garfield Avenue group of sites

Event: 2024-AUG-P4-WBEDROCK

Sample Information			
Sample ID:	114-MW76WR-62.0-20240806	Date:	8/6/2024 9:35:00 AM
Well ID:	114-MW76WR	Location Type:	BH

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
8:55 AM	-43.1	2.80	11.86	4.64	21.2	4.48	5.87	150	0.75	0.00	yellow Light	None
											yellow	None
9:00 AM	-122.9	1.42	11.83	4.65	21.2	3.57	6.03	150	0.75	0.75	Light yellow	None
9:05 AM	-186.6	0.86	11.90	4.64	21.1	3.30	6.32	150	0.75	1.50	Light yellow	None
9:10 AM	-212.5	0.66	11.96	4.64	20.6	3.62	6.56	150	0.75	2.25	Light yellow	None
9:15 AM	-231.8	0.51	12.03	4.66	19.9	3.74	6.85	150	0.75	3.00	Light yellow	None
9:20 AM	-241.8	0.44	12.05	4.63	19.6	3.85	7.13	150	0.75	3.75	Light yellow	None
9:25 AM	-249.4	0.40	12.06	4.59	19.7	3.59	7.43	150	0.75	4.50	Light yellow	None
9:30 AM	-253.8	0.36	12.05	4.58	19.9	3.83	7.73	150	0.75	5.25	Light yellow	None

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-AUG-P4-WBEDROCK	

Sample Information			
Sample ID:	114-MW77WR-62.0-20240805	Date:	8/5/2024 11:30:00 AM
Well ID:	114-MW77WR	Location Type:	BH
Duplicate ID:		Sampler:	ClarkM4
Equipment:	Headspace meter: MiniRAE 3000 # 592-917175 Field param meter: 3510-1352 # 21K103662 WL/int meter: Solinst 101 # 518213 (3010-1513)		
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:			

Well Inspection			
Well Located?	Yes	Well Diameter:	4
Pad Condition:		Well Action Needed?	No No
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:	good good	Lid Type:	
Cap Condition:		Well Labeled?	yes yes
Notes:			

Water Level			
Date:	8/5/2024 10:20:00 AM	Measured Well Depth:	62.80
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	5.27	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	8/5/2024 10:26:00 AM	End Date and Time:	8/5/2024 11:25:00 AM
Initial Pump Depth:	62	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Project #:

Site: Garfield Avenue group of sites

Event: 2024-AUG-P4-WBEDROCK

Sample Information			
Sample ID:	114-MW77WR-62.0-20240805	Date:	8/5/2024 11:30:00 AM
Well ID:	114-MW77WR	Location Type:	BH

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
10:30 AM	-131.5	1.37	11.77	2.79	20.8	2.36	5.75	200	1.00	1.00	Clear	None
10:35 AM	-173.0	0.65	11.86	2.82	19.7	1.40	5.81	200	1.00	2.00	Clear	None
10:40 AM	-180.0	0.54	11.87	2.81	19.9	1.64	5.80	200	1.00	3.00	Clear	None
10:45 AM	-186.0	0.43	11.88	2.80	20.3	2.18	5.80	200	1.00	4.00	Clear	None
10:50 AM	-193.2	0.28	11.88	2.82	19.6	2.18	5.80	200	1.00	5.00	Clear	None
10:55 AM	-200.9	0.20	11.93	2.83	19.9	1.13	5.81	200	1.00	6.00	Clear	None
11:00 AM	-205.5	0.17	11.91	2.82	19.4	1.14	5.84	200	1.00	7.00	Clear	None
11:05 AM	-202.4	0.15	11.92	2.80	19.3	1.14	5.84	200	1.00	8.00	Clear	None
11:10 AM	-203.8	0.14	11.94	2.80	19.6	0.96	5.84	200	1.00	9.00	Clear	None
11:15 AM	-205.4	0.12	11.96	2.80	19.5	0.99	5.84	200	1.00	10.00	Clear	None
11:20 AM	-206.1	0.12	11.92	2.77	19.5	0.99	5.85	200	1.00	11.00	Clear	None
11:25 AM	-208.1	0.11	11.94	2.78	19.3	0.58	5.85	200	1.00	12.00	Clear	None

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-AUG-P4-WBEDROCK	

Sample Information			
Sample ID:	114-MW77WR-57.0-20240805	Date:	8/5/2024 1:30:00 PM
Well ID:	114-MW77WR	Location Type:	BH
Duplicate ID:		Sampler:	ClarkM4
Equipment:	Headspace meter: MiniRAE 3000 # 592-917175 Field param meter: 3510-1352 # 21K103662 WL/int meter: Solinst 101 # 518213 (3010-1513)		
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:	MS/MSD collected		

Well Inspection			
Well Located?	Yes	Well Diameter:	4
Pad Condition:		Well Action Needed?	No No
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:	good good	Lid Type:	
Cap Condition:		Well Labeled?	yes yes
Notes:			

Water Level			
Date:	8/5/2024 12:54:00 PM	Measured Well Depth:	68.70
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	5.05	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:		End Date and Time:	
Initial Pump Depth:	57	Final Pump Depth:	Not Recorded
Purge Method:		Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-AUG-P4-WBEDROCK	

Sample Information			
Sample ID:	114-MW77WR-57.0-20240805	Date:	8/5/2024 1:30:00 PM
Well ID:	114-MW77WR	Location Type:	BH

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
12:50 PM	-65.0	1.62	11.73	2.77	21.5	1.07	5.05	280	1.40	1.40	Clear	None
12:55 PM	-169.2	0.29	11.88	2.74	20.6	0.97	5.78	280	1.40	2.80	Clear	None
1:00 PM	-193.0	0.17	11.87	2.72	20.8	0.98	5.81	280	1.40	4.20	Clear	None
1:05 PM	-202.2	0.16	11.87	2.72	20.6	0.84	5.83	280	1.40	5.60	Clear	None
1:10 PM	-222.3	0.12	11.88	2.72	20.6	0.96	5.84	280	1.40	7.00	Clear	None
1:15 PM	-211.2	0.09	11.88	2.70	20.5	0.93	5.86	280	1.40	8.40	Clear	None
1:20 PM	-213.4	0.09	11.88	2.65	20.7	0.71	5.86	280	1.40	9.80	Clear	None
1:25 PM	-216.4	0.08	11.88	2.66	20.5	0.80	5.87	280	1.40	11.20	Clear	None

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-AUG-P4-WBEDROCK	

Sample Information

Sample ID:	114-MW78WR-81.0-20240806	Date:	8/6/2024 9:40:00 AM
Well ID:	114-MW78WR	Location Type:	BH
Duplicate ID:		Sampler:	UflandC
Equipment:	Field param meter: YSI Pro Plus #		
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:			

Well Inspection

Well Located?	Yes	Well Diameter:	4
Pad Condition:		Well Action Needed?	No No
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:	good good	Lid Type:	
Cap Condition:		Well Labeled?	yes yes
Notes:			

Water Level

Date:	8/6/2024 8:45:00 AM	Measured Well Depth:	NM
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	4.78	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	8/6/2024 8:55:00 AM	End Date and Time:	8/6/2024 9:35:00 AM
Initial Pump Depth:	81	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Project #:

Site: Garfield Avenue group of sites

Event: 2024-AUG-P4-WBEDROCK

Sample Information			
Sample ID:	114-MW78WR-81.0-20240806	Date:	8/6/2024 9:40:00 AM
Well ID:	114-MW78WR	Location Type:	BH

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
9:00 AM	-65.2	4.10	10.33	1.39	21.4	1.60	5.03	100	0.50	0.50	Clear	None
9:05 AM	-73.0	4.18	10.35	1.39	20.9	7.10	5.30	100	0.50	1.00	Clear	None
9:10 AM	-73.8	6.54	10.35	1.38	20.9	1.40	5.55	100	0.50	1.50	Clear	None
9:15 AM	-72.5	6.53	10.35	1.39	20.9	1.32	6.12	100	0.50	2.00	Clear	None
9:20 AM	-69.3	6.41	10.36	1.39	20.8	1.26	6.34	100	0.50	2.50	Clear	None
9:25 AM	-64.5	6.09	10.35	1.38	20.8	1.21	6.62	100	0.50	3.00	Clear	None
9:30 AM	-61.9	5.91	10.35	1.39	20.9	1.29	6.88	100	0.50	3.50	Clear	None
9:35 AM	-57.9	5.78	10.34	1.38	20.6	1.19	7.26	100	0.50	4.00	Clear	None

GROUNDWATER SAMPLING LOG

Client: PPG Industries
Project #:
Site: Garfield Avenue group of sites
Event: 2024-AUG-P4-WBEDROCK

Sample Information			
Sample ID:	114-MW78WR-76.0-20240806	Date:	8/6/2024 11:45:00 AM
Well ID:	114-MW78WR	Location Type:	BH
Duplicate ID:		Sampler:	UflandC
Equipment:	Field param meter: YSI Pro Plus #		
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:			

Well Inspection			
Well Located?	Yes	Well Diameter:	4
Pad Condition:		Well Action Needed?	No No
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:	good good	Lid Type:	
Cap Condition:		Well Labeled?	yes yes
Notes:			

Water Level			
Date:	8/6/2024 10:30:00 AM	Measured Well Depth:	84.34
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	8.57	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	8/6/2024 10:35:00 AM	End Date and Time:	8/6/2024 11:40:00 AM
Initial Pump Depth:	76	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Project #:

Site: Garfield Avenue group of sites

Event: 2024-AUG-P4-WBEDROCK

Sample Information			
Sample ID:	114-MW78WR-76.0-20240806	Date:	8/6/2024 11:45:00 AM
Well ID:	114-MW78WR	Location Type:	BH

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
10:40 AM	7.4	0.36	10.23	1.38	21.6	1.31	8.91	100	0.50	0.50	Clear	None
10:45 AM	-4.1	0.22	10.24	1.39	21.1	1.16	9.19	100	0.50	1.00	Clear	None
10:50 AM	-16.1	0.27	10.20	1.36	22.8	1.19	9.33	100	0.50	1.50	Clear	None
10:55 AM	-20.3	0.44	10.19	1.38	23.3	1.12	9.46	100	0.50	2.00	Clear	None
11:00 AM	-21.0	0.42	10.20	1.38	23.5	1.11	9.57	100	0.50	2.50	Clear	None
11:05 AM	-10.5	0.48	10.13	1.39	24.1	1.13	9.63	100	0.50	3.00	Clear	None
11:10 AM	-10.4	0.50	10.17	1.40	23.6	1.21	9.78	100	0.50	3.50	Clear	None
11:15 AM	-7.7	0.46	10.20	1.38	23.1	1.16	9.92	100	0.50	4.00	Clear	None
11:20 AM	-11.7	1.03	10.22	1.38	22.9	1.17	10.09	100	0.50	4.50	Clear	None
11:25 AM	-15.8	1.03	10.21	1.38	23.2	1.16	10.27	100	0.50	5.00	Clear	None
11:30 AM	-16.6	1.01	10.20	1.38	23.1	1.20	10.41	100	0.50	5.50	Clear	None
11:35 AM	-17.9	0.94	10.19	1.38	23.2	1.17	10.64	100	0.50	6.00	Clear	None
11:40 AM	-19.1	0.90	10.19	1.37	23.4	1.14	10.84	100	0.50	6.50	Clear	None

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-AUG-P4-WBEDROCK	

Sample Information

Sample ID:	114-MW79WR-78.0-20240807	Date:	8/7/2024 10:45:00 AM
Well ID:	114-MW79WR	Location Type:	
Duplicate ID:		Sampler:	WallgrenB
Equipment:			
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:	DUP collected		

Well Inspection

Well Located?	Yes	Well Diameter:	4
Pad Condition:		Well Action Needed?	
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:		Lid Type:	
Cap Condition:		Well Labeled?	
Notes:			

Water Level

Date:	8/7/2024 8:32:00 AM	Measured Well Depth:	80.90
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	3.37	Depth to LNAPL:	NE
Notes:	Sample interval 78.0		

Purge Information

Begin Date and Time:	8/7/2024 8:39:00 AM	End Date and Time:	8/7/2024 10:40:00 AM
Initial Pump Depth:	78	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

AECOM

Client: PPG Industries

Site: Garfield Avenue group of sites

Project #:

Event: 2024-AUG-P4-WBEDROCK

Sample Information			
Sample ID:	114-MW79WR-78.0-20240807	Date:	8/7/2024 10:45:00 AM
Well ID:	114-MW79WR	Location Type:	

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
8:40 AM	-22.8	1.13	5.63	4.36	18.9	434.00	3.16	150	0.75	0.00	Brown	Sweet/rotten
8:45 AM	-57.9	0.75	5.56	4.58	18.7	106.00	3.17	150	0.75	0.75	Brown	Sweet/rotten
8:50 AM	-78.6	0.55	5.56	4.59	18.5	72.00	3.11	150	0.75	1.50	Brown	Sweet/rotten
8:55 AM	-90.5	0.45	5.56	4.53	18.3	67.10	3.09	150	0.75	2.25	Brown	Sweet/rotten
9:00 AM	-93.7	0.44	5.57	4.40	18.3	65.50	3.07	150	0.75	3.00	Brown	Sweet/rotten
9:05 AM	-96.8	0.45	5.57	3.92	18.2	61.20	3.04	150	0.75	3.75	Brown	Sweet/rotten
9:10 AM	-105.6	0.45	5.57	4.54	18.2	58.40	3.00	150	0.75	4.50	Brown	Sweet/rotten
9:15 AM	-105.8	0.27	5.58	4.27	18.2	56.90	2.98	150	0.75	5.25	Brown	Sweet/rotten
9:20 AM	-109.8	0.31	5.58	4.01	18.1	59.30	2.99	150	0.75	6.00	Brown	Sweet/rotten
9:25 AM	-110.7	0.37	5.58	4.66	18.1	57.90	3.01	150	0.75	6.75	Brown	Sweet/rotten
9:30 AM	-113.2	0.24	5.58	4.60	18.2	58.30	2.99	150	0.75	7.50	Brown	Sweet/rotten
9:35 AM	-120.1	0.23	5.59	4.79	18.1	57.60	2.99	150	0.75	8.25	Brown	Sweet/rotten
9:40 AM	-117.2	0.30	5.59	4.79	18.2	58.50	2.99	150	0.75	9.00	Brown	Sweet/rotten
9:45 AM	-117.0	0.29	5.60	4.84	18.0	58.80	2.99	150	0.75	9.75	Brown	Sweet/rotten
9:50 AM	-117.2	0.22	5.60	4.86	18.1	60.40	2.99	150	0.75	10.50	Brown	Sweet/rotten
9:55 AM	-117.7	0.21	5.61	4.90	18.0	64.30	2.99	150	0.75	11.25	Brown	Sweet/rotten
10:00 AM	-122.0	0.24	5.61	4.95	17.9	63.50	2.99	150	0.75	12.00	Brown	Sweet/rotten
10:05 AM	-124.4	0.24	5.62	4.97	17.9	58.10	2.99	150	0.75	12.75	Brown	Sweet/rotten
10:10 AM	-127.3	0.24	5.62	5.00	17.9	63.50	2.99	150	0.75	13.50	Brown	Sweet/rotten
10:15 AM	-128.8	0.22	5.62	5.01	17.9	60.70	2.99	150	0.75	14.25	Brown	Sweet/rotten
10:20 AM	-132.5	0.23	5.62	5.01	17.9	59.80	2.99	150	0.75	15.00	Brown	Sweet/rotten
10:25 AM	-136.3	0.20	5.62	5.02	17.9	61.80	2.99	150	0.75	15.75	Brown	Sweet/rotten
10:30 AM	-139.1	0.20	5.62	5.02	17.8	60.60	2.99	150	0.75	16.50	Brown	Sweet/rotten
10:35 AM	-140.9	0.21	5.62	5.00	17.8	57.80	2.99	150	0.75	17.25	Brown	Sweet/rotten

AECOM

GROUNDWATER SAMPLING LOG

10:40 AM	-141.4	0.20	5.62	5.00	17.8	58.40	2.99	150	0.75	18.00	Brown	Sweet/r otten

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-AUG-P4-WBEDROCK	

Sample Information

Sample ID:	114-MW79WR-73.0-20240807	Date:	8/7/2024 1:45:00 PM
Well ID:	114-MW79WR	Location Type:	
Duplicate ID:		Sampler:	WallgrenB
Equipment:			
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:			

Well Inspection

Well Located?	Yes	Well Diameter:	4
Pad Condition:		Well Action Needed?	
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:		Lid Type:	
Cap Condition:		Well Labeled?	
Notes:			

Water Level

Date:	8/7/2024 11:36:00 AM	Measured Well Depth:	80.90
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	1.85	Depth to LNAPL:	NE
Notes:	Sample interval 73.0		

Purge Information

Begin Date and Time:	8/7/2024 11:39:00 AM	End Date and Time:	8/7/2024 1:40:00 PM
Initial Pump Depth:	73	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

AECOM

Client: PPG Industries

Project #:

Site: Garfield Avenue group of sites

Event: 2024-AUG-P4-WBEDROCK

Sample Information			
Sample ID:	114-MW79WR-73.0-20240807	Date:	8/7/2024 1:45:00 PM
Well ID:	114-MW79WR	Location Type:	

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
11:40 AM	-44.6	0.63	5.48	3.75	18.0	34.60	2.45	150	0.75	0.00	Brown	Sweet/rotten
11:45 AM	-35.7	0.36	5.26	2.37	17.8	34.90	2.45	150	0.75	0.75	Light brown	Sweet
11:50 AM	-32.8	0.27	5.23	2.37	17.7	34.90	2.55	150	0.75	1.50	Light brown	Sweet
11:55 AM	-33.7	0.24	5.20	2.70	17.7	40.40	2.67	150	0.75	2.25	Light brown	Sweet
12:00 PM	-38.7	0.18	5.28	3.52	17.7	52.80	2.74	150	0.75	3.00	Caramel	Sweet
12:05 PM	-53.5	0.17	5.42	4.01	17.7	56.40	2.78	150	0.75	3.75	Caramel	Sweet
12:10 PM	-72.4	0.16	5.51	4.45	18.3	63.60	2.82	150	0.75	4.50	Caramel	Sweet
12:15 PM	-87.3	0.16	5.54	4.52	18.4	64.30	2.78	150	0.75	5.25	Caramel	Sweet
12:20 PM	-104.0	0.17	5.55	4.34	18.4	63.70	2.56	150	0.75	6.00	Caramel	Sweet
12:25 PM	-114.1	0.17	5.55	4.54	18.4	65.20	2.53	150	0.75	6.75	Caramel	Sweet
12:30 PM	-117.9	0.16	5.55	4.48	18.4	64.10	2.54	150	0.75	7.50	Caramel	Sweet
12:35 PM	-121.2	0.16	5.57	4.41	18.4	61.90	2.54	150	0.75	8.25	Caramel	Sweet
12:40 PM	-125.7	0.18	5.59	4.82	18.5	58.60	2.54	150	0.75	9.00	Caramel	Sweet
12:45 PM	-135.1	0.18	5.57	4.92	18.5	57.50	2.54	150	0.75	9.75	Caramel	Sweet
12:50 PM	-141.7	0.19	5.57	4.90	18.5	53.80	2.54	150	0.75	10.50	Caramel	Sweet
12:55 PM	-143.9	0.18	5.57	4.89	18.5	51.50	2.54	150	0.75	11.25	Caramel	Sweet
1:00 PM	-146.1	0.24	5.57	4.87	18.5	50.30	2.54	150	0.75	12.00	Caramel	Sweet
1:05 PM	-151.5	0.25	5.57	4.82	18.4	50.10	2.54	150	0.75	12.75	Caramel	Sweet
1:10 PM	-149.4	0.23	5.57	4.88	18.5	51.10	2.54	150	0.75	13.50	Caramel	Sweet
1:15 PM	-151.1	0.26	5.57	4.86	18.3	50.10	2.54	150	0.75	14.25	Caramel	Sweet
1:20 PM	-153.4	0.24	5.57	4.83	18.3	49.80	2.54	150	0.75	15.00	Caramel	Sweet
1:25 PM	-153.2	0.33	5.57	4.80	18.4	47.90	2.54	150	0.75	15.75	Caramel	Sweet
1:30 PM	-154.4	0.30	5.57	4.85	18.3	47.60	2.41	150	0.75	16.50	Caramel	Sweet
1:35 PM	-154.0	0.28	5.57	4.84	18.3	46.30	2.40	150	0.75	17.25	Caramel	Sweet
1:40 PM	-154.8	0.28	5.58	4.80	18.4	45.60	2.39	150	0.75	18.00	Caramel	Sweet

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-AUG-P4-WBEDROCK	

Sample Information			
Sample ID:	114-MW80WR-91.5-20240807	Date:	8/7/2024 9:55:00 AM
Well ID:	114-MW80WR	Location Type:	
Duplicate ID:		Sampler:	UflandC
Equipment:	Field param meter: YSI Pro Plus #		
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:			

Well Inspection			
Well Located?	Yes	Well Diameter:	4
Pad Condition:		Well Action Needed?	No No
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:	good good	Lid Type:	
Cap Condition:		Well Labeled?	yes yes
Notes:			

Water Level			
Date:	8/7/2024 8:45:00 AM	Measured Well Depth:	93.98
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	3.39	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	8/7/2024 8:45:00 AM	End Date and Time:	8/7/2024 9:50:00 AM
Initial Pump Depth:	91.5	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

AECOM

Client: PPG Industries

Project #:

Site: Garfield Avenue group of sites

Event: 2024-AUG-P4-WBEDROCK

Sample Information			
Sample ID:	114-MW80WR-91.5-20240807	Date:	8/7/2024 9:55:00 AM
Well ID:	114-MW80WR	Location Type:	

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
8:50 AM	142.7	7.39	8.89	0.89	20.7	3.36	3.44	100	0.50	0.50	Clear	None
8:55 AM	-135.6	1.08	9.00	0.89	20.8	4.40	3.45	100	0.50	1.00	Clear	None
9:00 AM	-151.9	0.62	9.03	0.89	20.9	1.64	3.36	100	0.50	1.50	Clear	None
9:05 AM	-161.5	0.60	9.05	0.89	21.0	2.48	3.32	100	0.50	2.00	Clear	None
9:10 AM	-162.1	0.63	9.04	0.88	21.0	1.51	3.29	100	0.50	2.50	Clear	None
9:15 AM	-165.5	0.57	9.06	0.89	20.6	1.41	3.30	100	0.50	3.00	Clear	None
9:20 AM	-168.8	0.55	9.06	0.89	20.5	1.22	3.32	100	0.50	3.50	Clear	None
9:25 AM	-150.0	0.34	9.06	0.88	20.6	1.17	3.33	100	0.50	4.00	Clear	None
9:30 AM	-139.6	1.21	9.07	0.88	20.5	2.11	3.34	100	0.50	4.50	Clear	None
9:35 AM	-139.8	1.20	9.07	0.88	20.4	1.90	3.34	100	0.50	5.00	Clear	None
9:40 AM	-169.2	0.19	9.08	0.88	20.4	2.08	3.33	100	0.50	5.50	Clear	None
9:45 AM	-171.7	0.18	9.08	0.88	20.4	1.90	3.32	100	0.50	6.00	Clear	None
9:50 AM	-172.7	0.18	9.08	0.88	20.4	1.99	3.31	100	0.50	6.50	Clear	None

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-AUG-P4-WBEDROCK	

Sample Information			
Sample ID:	114-MW80WR-86.5-20240807	Date:	8/7/2024 11:20:00 AM
Well ID:	114-MW80WR	Location Type:	
Duplicate ID:		Sampler:	UflandC
Equipment:	Field param meter: YSI Pro Plus #		
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:			

Well Inspection			
Well Located?	Yes	Well Diameter:	4
Pad Condition:		Well Action Needed?	No No
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:	good good	Lid Type:	
Cap Condition:		Well Labeled?	yes yes
Notes:			

Water Level			
Date:	8/7/2024 10:25:00 AM	Measured Well Depth:	93.98
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	3.14	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	8/7/2024 10:30:00 AM	End Date and Time:	8/7/2024 11:15:00 AM
Initial Pump Depth:	86.5	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Project #:

Site: Garfield Avenue group of sites

Event: 2024-AUG-P4-WBEDROCK

Sample Information			
Sample ID:	114-MW80WR-86.5-20240807	Date:	8/7/2024 11:20:00 AM
Well ID:	114-MW80WR	Location Type:	

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
10:35 AM	-156.3	0.68	9.06	0.89	20.1	1.40	3.17	100	0.50	0.50	Clear	None
10:40 AM	-168.7	0.67	8.99	0.89	20.0	1.31	3.17	100	0.50	1.00	Clear	None
10:45 AM	-171.7	0.59	8.97	0.89	20.0	2.47	3.16	100	0.50	1.50	Clear	None
10:50 AM	-175.1	0.46	8.94	0.89	20.0	1.84	3.16	100	0.50	2.00	Clear	None
10:55 AM	-177.5	0.45	8.92	0.89	20.1	1.46	3.15	100	0.50	2.50	Clear	None
11:00 AM	-178.4	0.41	8.92	0.89	20.1	1.05	3.14	100	0.50	3.00	Clear	None
11:05 AM	-179.6	0.38	8.92	0.89	20.1	0.92	3.14	100	0.50	3.50	Clear	None
11:10 AM	-180.1	0.37	8.92	0.89	20.2	0.89	3.12	100	0.50	4.00	Clear	None
11:15 AM	-180.5	0.32	8.92	0.89	20.1	0.94	3.11	100	0.50	4.50	Clear	None

GROUNDWATER SAMPLING LOG

Client:	PPG Industries		Project #:
Site:	Garfield Avenue group of sites		Event: 2024-AUG-P4-WBEDROCK

Sample Information

Sample ID:	114-PZ-52WR-74.0-20240806	Date:	8/6/2024 1:00:00 PM
Well ID:	114-PZ-52WR	Location Type:	MW
Duplicate ID:		Sampler:	Brooke Wallgren
Equipment:			
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:			

Well Inspection

Well Located?	Yes	Well Diameter:	
Pad Condition:		Well Action Needed?	
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:		Lid Type:	
Cap Condition:		Well Labeled?	
Notes:			

Water Level

Date:	8/6/2024 10:47:00 AM	Measured Well Depth:	NM
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	7.48	Depth to LNAPL:	NE
Notes:	Sample interval 74.0		

Purge Information

Begin Date and Time:	8/6/2024 10:52:00 AM	End Date and Time:	8/6/2024 12:55:00 PM
Initial Pump Depth:	74	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

AECOM

Client: PPG Industries

Site: Garfield Avenue group of sites

Project #:

Event: 2024-AUG-P4-WBEDROCK

Sample Information			
Sample ID:	114-PZ-52WR-74.0-20240806	Date:	8/6/2024 1:00:00 PM
Well ID:	114-PZ-52WR	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
10:55 AM	-149.7	5.24	4.96	2.29	22.0	38.40	7.50	150	0.75	0.00	Yellow /lt brown	Rotten
11:00 AM	-167.3	1.05	4.98	2.28	21.0	59.50	7.50	150	0.75	0.75	Yellow /orangish	Rotten
11:05 AM	-178.1	0.48	4.96	2.19	21.1	153.00	7.50	150	0.75	1.50	Yellow /orangeish	Rotten
11:10 AM	-180.5	0.32	4.95	2.13	20.6	209.00	7.50	150	0.75	2.25	Yellow orange cloud	Rotten
11:15 AM	-184.0	0.22	4.94	2.06	21.1	318.00	7.50	150	0.75	3.00	Yellow orange cloud	Rotten
11:20 AM	-186.8	0.22	4.95	2.00	20.9	440.00	7.50	150	0.75	3.75	Yellow orange cloud	Rotten
11:25 AM	-189.5	0.14	4.96	1.94	20.8	560.00	7.58	150	0.75	4.50	Yellow orange cloud	Rotten
11:30 AM	-193.0	0.12	4.97	1.88	20.9	677.00	7.55	150	0.75	5.25	Pale yellow cloudy	Rotten
11:35 AM	-194.9	0.11	4.99	1.85	20.9	772.00	7.55	150	0.75	6.00	Pale yellow cloudy	Rotten
11:40 AM	-196.7	0.11	5.00	1.84	21.1	778.00	7.55	150	0.75	6.75	Pale yellow cloudy	Rotten
11:45 AM	-198.7	0.58	5.02	1.75	21.5	970.00	7.60	150	0.75	7.50	Cream cloudy	Rotten
11:50 AM	-199.9	0.29	5.04	1.81	21.4	823.00	7.55	150	0.75	8.25	Cream cloudy	Rotten
11:55 AM	-200.5	0.21	5.05	1.82	21.7	795.00	7.55	150	0.75	9.00	Cream cloudy	Rotten
12:00 PM	-200.8	0.19	5.06	1.85	21.7	760.00	7.55	150	0.75	9.75	Cream cloudy	Rotten
12:05 PM	-203.5	5.20	5.07	1.83	22.2	808.00	7.55	150	0.75	10.50	Pale yellow cream	Rotten
12:10 PM	-202.7	4.87	5.07	1.95	22.6	655.00	7.55	150	0.75	11.25	Pale yellow cream	Rotten
12:15 PM								150	0.75	12.00		
12:20 PM								150	0.75	12.75		
12:25 PM								150	0.75	13.50		

GROUNDWATER SAMPLING LOG

12:30 PM	-204.5	4.34	5.11	2.12	23.4	405.00	7.55	150	0.75	14.25	Pale yellow cream	Rotten
12:35 PM	-205.7	2.06	5.12	2.12	22.9	574.00	7.55	150	0.75	15.00	Pale yellow	Rotten
12:40 PM	-205.5	0.68	5.13	1.72	22.0	1000.00	7.55	150	0.75	15.75	Cloudy cream	Rotten
12:45 PM	-204.8	0.65	5.14	1.78	22.9	948.00	7.55	150	0.75	16.50	Cloudy cream	Rotten
12:50 PM	-205.4	0.65	5.15	1.80	24.0	912.00	7.55	150	0.75	17.25	Cloudy cream	Rotten
12:55 PM	-207.1	0.63	5.16	1.80	24.4	881.00	7.55	150	0.75	18.00	Cloudy cream	Rotten

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-AUG-P4-WBEDROCK	

Sample Information			
Sample ID:	114-PZ-66WR-84.0-20240807	Date:	8/7/2024 11:45:00 AM
Well ID:	114-PZ-66WR	Location Type:	MW
Duplicate ID:		Sampler:	ClarkM4
Equipment:	Headspace meter: MiniRAE 3000 # 592-915053 (1000-1268) Field param meter: 3510-1352 # 21K103662 WL/int meter: Solinst 101 # 518213 (3010-1513)		
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:			

Well Inspection			
Well Located?	Yes	Well Diameter:	
Pad Condition:		Well Action Needed?	No
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:	good	Lid Type:	
Cap Condition:		Well Labeled?	yes
Notes:			

Water Level			
Date:	8/7/2024 10:50:00 AM	Measured Well Depth:	85.89
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	5.22	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	8/7/2024 10:54:00 AM	End Date and Time:	8/7/2024 11:40:00 AM
Initial Pump Depth:	84	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Project #:

Site: Garfield Avenue group of sites

Event: 2024-AUG-P4-WBEDROCK

Sample Information			
Sample ID:	114-PZ-66WR-84.0-20240807	Date:	8/7/2024 11:45:00 AM
Well ID:	114-PZ-66WR	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
10:55 AM	-191.5	0.41	7.22	2.66	17.4	8.27	5.24	240	1.20	1.20	Lime	None
11:00 AM	-231.6	0.24	7.17	2.67	17.4	7.62	5.23	240	1.20	2.40	Lime	None
11:05 AM	-271.6	0.21	7.08	2.72	17.3	6.97	5.21	240	1.20	3.60	Lime	None
11:10 AM	-286.1	0.14	7.06	2.74	17.2	7.37	5.16	240	1.20	4.80	Lime	None
11:15 AM	-296.7	0.12	7.04	2.73	17.3	6.90	5.15	240	1.20	6.00	Lime	None
11:20 AM	-309.2	0.11	7.02	2.75	17.2	6.92	5.08	240	1.20	7.20	Lime	None
11:25 AM	-313.9	0.11	7.01	2.76	17.2	5.90	5.05	240	1.20	8.40	Lime	None
11:30 AM	-320.9	0.10	7.00	2.76	17.1	5.90	5.07	240	1.20	9.60	Lime	None
11:35 AM	-325.6	0.09	6.98	2.76	17.1	5.44	5.13	240	1.20	10.80	Lime	None
11:40 AM	-328.6	0.09	6.97	2.79	17.0	5.62	5.12	240	1.20	12.00	Lime	None

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-SEP-BEDROCK	

Sample Information

Sample ID:	114-MW58C-R-84.5-20240919	Date:	9/19/2024 10:15:00 AM
Well ID:	114-MW58C-R	Location Type:	MW
Duplicate ID:		Sampler:	WallgrenB
Equipment:			
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:			

Well Inspection

Well Located?	Yes	Well Diameter:	2
Pad Condition:		Well Action Needed?	
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:		Lid Type:	
Cap Condition:		Well Labeled?	
Notes:			

Water Level

Date:	9/19/2024 9:03:00 AM	Measured Well Depth:	86.90
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	3.61	Depth to LNAPL:	NE
Notes:	Sample interval 84.5’		

Purge Information

Begin Date and Time:	9/19/2024 9:31:00 AM	End Date and Time:	9/19/2024 10:10:00 AM
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Site: Garfield Avenue group of sites

Project #:

Event: 2024-SEP-BEDROCK

Sample Information			
Sample ID:	114-MW58C-R-84.5-20240919	Date:	9/19/2024 10:15:00 AM
Well ID:	114-MW58C-R	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
9:35 AM	95.8	0.52	10.30	0.330	18.2	4.72	4.10	150	0.750	0.750	Clear	None
9:40 AM	41.0	0.33	11.26	0.750	18.1	1.56	4.16	150	0.750	1.500	Clear	None
9:45 AM	-42.1	0.25	11.65	1.220	17.9	0.66	4.16	150	0.750	2.250	Clear	None
9:50 AM	-86.2	0.23	11.72	1.340	17.9	0.65	4.16	150	0.750	3.000	Clear	None
9:55 AM	-117.6	0.19	11.77	1.420	17.8	0.72	4.16	150	0.750	3.750	Clear	None
10:00 AM	-133.6	0.17	11.78	1.450	17.8	0.39	4.16	150	0.750	4.500	Clear	None
10:05 AM	-142.3	0.16	11.77	1.440	17.8	0.53	4.16	150	0.750	5.250	Clear	None
10:10 AM	-148.6	0.15	11.75	1.420	17.7	0.40	4.16	150	0.750	6.000	Clear	None

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-SEP-BEDROCK	

Sample Information

Sample ID:	114-MW60C-R-117.5-20240918	Date:	9/18/2024 1:15:00 PM
Well ID:	114-MW60C-R	Location Type:	MW
Duplicate ID:	114-MW60C-R-117.5-20240918-X	Sampler:	WallgrenB
Equipment:			
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:	DUP collected		

Well Inspection

Well Located?	Yes	Well Diameter:	2
Pad Condition:		Well Action Needed?	
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:		Lid Type:	
Cap Condition:		Well Labeled?	
Notes:			

Water Level

Date:	9/18/2024 11:30:00 AM	Measured Well Depth:	118.70
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	4.09	Depth to LNAPL:	NE
Notes:	Sample interval 117.5’		

Purge Information

Begin Date and Time:	9/18/2024 12:03:00 PM	End Date and Time:	9/18/2024 1:10:00 PM
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-SEP-BEDROCK	

Sample Information			
Sample ID:	114-MW60C-R-117.5-20240918	Date:	9/18/2024 1:15:00 PM
Well ID:	114-MW60C-R	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
12:05 PM	-34.5	2.39	10.86	0.570	19.4	24.20	4.44	150	0.750	0.000	Clear	None
12:10 PM	-71.0	0.69	11.56	1.560	19.0	61.30	4.57	150	0.750	0.750	Sl cloudy	None
12:15 PM	-113.4	0.35	12.02	3.490	18.8	17.40	4.64	150	0.750	1.500	Clear	None
12:20 PM	-131.4	0.28	12.15	4.220	18.6	9.43	4.66	150	0.750	2.250	Clear	None
12:25 PM	-141.7	0.22	12.20	4.530	18.5	7.91	4.66	150	0.750	3.000	Clear	None
12:30 PM	-147.4	0.21	12.22	4.670	18.4	6.13	4.66	150	0.750	3.750	Clear	None
12:35 PM	-151.8	0.17	12.24	4.770	18.3	4.55	4.66	150	0.750	4.500	Clear	None
12:40 PM	-156.6	0.16	12.25	4.830	18.3	3.61	4.66	150	0.750	5.250	Clear	None
12:45 PM	-153.3	0.16	12.26	4.870	18.2	3.80	4.66	150	0.750	6.000	Clear	None
12:50 PM	-159.3	0.14	12.26	4.890	18.3	2.02	4.66	150	0.750	6.750	Clear	None
12:55 PM	-162.3	0.13	12.27	4.920	18.1	1.87	4.66	150	0.750	7.500	Clear	None
1:00 PM	-164.7	0.12	12.28	4.940	18.1	0.96	4.66	150	0.750	8.250	Clear	None
1:05 PM	-167.8	0.12	12.28	4.950	18.2	0.76	4.66	150	0.750	9.000	Clear	None
1:10 PM	-169.6	0.11	12.28	4.960	18.1	0.76	4.66	150	0.750	9.750	Clear	None

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-SEP-BEDROCK	

Sample Information			
Sample ID:	114-MW61D-117.0-20240916	Date:	9/16/2024 11:00:00 AM
Well ID:	114-MW61D	Location Type:	MW
Duplicate ID:		Sampler:	SalemI
Equipment:			
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:			

Well Inspection			
Well Located?	Yes	Well Diameter:	6
Pad Condition:		Well Action Needed?	
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:		Lid Type:	
Cap Condition:		Well Labeled?	
Notes:			

Water Level			
Date:	9/16/2024 9:15:00 AM	Measured Well Depth:	NM
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	9.24	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	9/16/2024 9:52:00 AM	End Date and Time:	9/16/2024 10:55:00 AM
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method:	
Notes:			

AECOM GROUNDWATER SAMPLING LOG

Client: PPG Industries

Site: Garfield Avenue group of sites

Project #:

Event: 2024-SEP-BEDROCK

Sample Information			
Sample ID:	114-MW61D-117.0-20240916	Date:	9/16/2024 11:00:00 AM
Well ID:	114-MW61D	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
9:55 AM	-26.2	1.43	8.70	0.390	20.4	22.30	9.78	100	0.500	0.500	Clear	Eggy
10:00 AM	-84.9	0.83	8.83	0.310	20.1	17.90	10.79	100	0.500	1.000	Clear	Eggy
10:05 AM	-95.4	0.71	8.84	0.310	202.0	19.30	11.76	100	0.500	1.500	Clear	Eggy
10:10 AM	-106.1	0.63	8.85	0.300	20.2	16.20	12.65	100	0.500	2.000	Clear	Eggy
10:15 AM	-111.9	0.43	8.86	0.300	20.2	13.20	13.56	100	0.500	2.500	Clear	Eggy
10:20 AM	-112.9	0.41	8.86	0.300	20.3	12.70	14.49	100	0.500	3.000	Clear	Eggy
10:25 AM	-114.6	0.36	8.87	0.300	20.5	11.90	15.49	100	0.500	3.500	Clear	Eggy
10:30 AM	-116.4	0.31	8.89	0.300	20.6	9.24	16.78	100	0.500	4.000	Clear	Eggy
10:35 AM	-117.0	0.30	8.88	0.300	20.9	10.60	17.12	100	0.500	4.500	Clear	Eggy
10:40 AM	-117.5	0.28	8.88	0.300	21.0	9.93	17.73	100	0.500	5.000	Clear	Eggy
10:45 AM	-118.9	0.28	8.89	0.290	21.2	7.97	17.98	100	0.500	5.500	Clear	Eggy
10:50 AM	-118.7	0.27	8.88	0.300	21.2	8.33	18.24	100	0.500	6.000	Clear	Eggy
10:55 AM	-118.5	0.27	8.88	0.300	21.1	8.52	18.53	100	0.500	6.500	Clear	Eggy

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-SEP-BEDROCK	

Sample Information

Sample ID:	114-MW61D-121.0-20240916	Date:	9/16/2024 12:45:00 PM
Well ID:	114-MW61D	Location Type:	MW
Duplicate ID:		Sampler:	SalemI
Equipment:			
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:	Duplicate		

Well Inspection

Well Located?	Yes	Well Diameter:	6
Pad Condition:		Well Action Needed?	
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:		Lid Type:	
Cap Condition:		Well Labeled?	
Notes:			

Water Level

Date:	9/16/2024 12:02:00 PM	Measured Well Depth:	NM
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	24.22	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	9/16/2024 12:03:00 PM	End Date and Time:	9/16/2024 12:40:00 PM
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries
Project #:
Site: Garfield Avenue group of sites
Event: 2024-SEP-BEDROCK

Sample Information			
Sample ID:	114-MW61D-121.0-20240916	Date:	9/16/2024 12:45:00 PM
Well ID:	114-MW61D	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
12:05 PM	-61.9	2.69	8.84	0.310	19.0	9.87	26.11	100	0.500	0.500	Clear	Eggy
12:10 PM	-79.9	1.97	8.65	0.300	18.7	9.66	27.14	100	0.500	1.000	Clear	Eggy
12:15 PM	-93.2	1.25	8.70	0.300	22.5	10.20	28.52	100	0.500	1.500	Clear	Eggy
12:20 PM	-105.2	0.95	8.80	0.300	22.7	6.78	29.22	100	0.500	2.000	Clear	Eggy
12:25 PM	-119.9	0.89	8.85	0.300	22.9	5.36	30.31	100	0.500	2.500	Clear	Eggy
12:30 PM	-119.4	0.82	8.85	0.300	23.8	4.44	31.23	100	0.500	3.000	Clear	Eggy
12:35 PM	-119.5	0.80	8.85	0.300	23.9	4.60	31.72	100	0.500	3.500	Clear	Eggy
12:40 PM	-119.4	0.77	8.85	0.300	24.1	4.26	32.06	100	0.500	4.000	Clear	Eggy

GROUNDWATER SAMPLING LOG

Client: PPG Industries
Project #:
Site: Garfield Avenue group of sites
Event: 2024-SEP-BEDROCK

Sample Information			
Sample ID:	114-MW61D-126.0-20240917	Date:	9/17/2024 10:00:00 AM
Well ID:	114-MW61D	Location Type:	MW
Duplicate ID:		Sampler:	SalemI
Equipment:			
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:			

Well Inspection			
Well Located?	Yes	Well Diameter:	6
Pad Condition:		Well Action Needed?	
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:		Lid Type:	
Cap Condition:		Well Labeled?	
Notes:			

Water Level			
Date:	9/17/2024 9:11:00 AM	Measured Well Depth:	NM
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	26.07	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	9/17/2024 9:20:00 AM	End Date and Time:	9/17/2024 9:55:00 AM
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Site: Garfield Avenue group of sites

Project #:

Event: 2024-SEP-BEDROCK

Sample Information			
Sample ID:	114-MW61D-126.0-20240917	Date:	9/17/2024 10:00:00 AM
Well ID:	114-MW61D	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
9:25 AM	-191.8	2.67	8.70	0.300	17.6	10.10	26.56	100	0.500	0.500	Clear	Eggy
9:30 AM	-200.1	2.35	8.72	0.280	17.4	9.21	27.09	100	0.500	1.000	Clear	Eggy
9:35 AM	-214.4	2.11	8.74	0.280	17.3	7.58	27.70	100	0.500	1.500	Clear	Eggy
9:40 AM	-215.5	2.03	8.71	0.280	17.3	9.04	27.76	100	0.500	2.000	Clear	Eggy
9:45 AM	-215.4	2.47	8.66	0.280	17.6	9.11	27.80	100	0.500	2.500	Clear	Eggy
9:50 AM	-214.9	2.39	8.66	0.280	17.8	9.32	27.85	100	0.500	3.000	Clear	Eggy
9:55 AM	-214.5	2.33	8.66	0.280	17.9	8.82	27.92	100	0.500	3.500	Clear	Eggy

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-SEP-BEDROCK	

Sample Information

Sample ID:	114-MW61D-131.0-20240917	Date:	9/17/2024 12:15:00 PM
Well ID:	114-MW61D	Location Type:	MW
Duplicate ID:		Sampler:	SalemI
Equipment:			
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:			

Well Inspection

Well Located?	Yes	Well Diameter:	6
Pad Condition:		Well Action Needed?	
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:		Lid Type:	
Cap Condition:		Well Labeled?	
Notes:			

Water Level

Date:	9/17/2024 11:00:00 AM	Measured Well Depth:	NM
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	34.73	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:		End Date and Time:	
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:		Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-SEP-BEDROCK	

Sample Information			
Sample ID:	114-MW61D-131.0-20240917	Date:	9/17/2024 12:15:00 PM
Well ID:	114-MW61D	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
11:05 AM	-232.9	3.52	8.53	0.290	18.3	20.00	35.89	100	0.500	0.500	Clear	Eggy
11:10 AM	-239.9	2.86	8.59	0.290	18.1	18.20	36.79	100	0.500	1.000	Clear	Eggy
11:15 AM	-247.3	2.54	8.63	0.290	18.0	15.70	37.67	100	0.500	1.500	Clear	Eggy
11:20 AM	-238.2	2.27	8.62	0.290	18.1	13.10	38.42	100	0.500	2.000	Clear	Eggy
11:25 AM	-232.2	2.04	8.60	0.280	18.2	11.40	39.78	100	0.500	2.500	Clear	Eggy
11:30 AM	-223.6	1.84	8.57	0.280	18.3	8.10	40.72	100	0.500	3.000	Clear	Eggy
11:35 AM	-222.1	1.72	8.56	0.280	18.3	8.11	41.87	100	0.500	3.500	Clear	Eggy
11:40 AM	-220.8	1.77	8.54	0.280	18.4	9.21	42.71	100	0.500	4.000	Clear	Eggy
11:45 AM	-204.1	1.83	8.63	0.280	18.2	10.10	43.89	100	0.500	4.500	Clear	Eggy
11:50 PM	-220.2	0.35	8.68	0.280	18.5	9.78	44.92	100	0.500	5.000	Clear	Eggy
11:55 PM	-225.3	0.34	8.70	0.280	18.7	7.45	46.03	100	0.500	5.500	Clear	Eggy
12:00 PM	-228.8	0.36	8.76	0.280	18.6	6.32	47.12	100	0.500	6.000	Clear	Eggy
12:05 PM	-230.3	0.35	8.77	0.280	18.5	5.57	47.92	100	0.500	6.500	Clear	Eggy
12:10 PM	-229.7	0.35	8.76	0.280	18.5	6.11	48.79	100	0.500	7.000	Clear	Eggy

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-SEP-BEDROCK	

Sample Information

Sample ID:	114-MW61D-136.0-202409018	Date:	9/18/2024 10:35:00 AM
Well ID:	114-MW61D	Location Type:	MW
Duplicate ID:		Sampler:	SalemI
Equipment:			
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:			

Well Inspection

Well Located?	Yes	Well Diameter:	6
Pad Condition:		Well Action Needed?	
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:		Lid Type:	
Cap Condition:		Well Labeled?	
Notes:			

Water Level

Date:	9/18/2024 9:18:00 AM	Measured Well Depth:	137.89
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	31.59	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	9/18/2024 9:25:00 AM	End Date and Time:	9/18/2024 10:30:00 AM
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Site: Garfield Avenue group of sites

Project #:

Event: 2024-SEP-BEDROCK

Sample Information			
Sample ID:	114-MW61D-136.0-202409018	Date:	9/18/2024 10:35:00 AM
Well ID:	114-MW61D	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
9:30 AM	-305.2	2.07	8.57	0.340	16.3	70.20	32.02	100	0.500	0.500	Cloudy	Eggy
9:35 AM	-322.2	0.93	8.67	0.320	16.2	63.30	33.11	100	0.500	1.000	Cloudy	Eggy
9:40 AM	-338.2	0.94	8.66	0.320	16.8	55.00	35.45	100	0.500	1.500	Cloudy	Eggy
9:45 AM	-352.9	0.97	8.65	0.310	17.1	49.10	37.23	100	0.500	2.000	Cloudy	Eggy
9:50 AM	-348.3	0.89	8.71	0.300	16.4	20.40	39.67	100	0.500	2.500	Cloudy	Eggy
9:55 AM	-329.7	5.03	8.70	0.300	16.5	22.20	41.51	100	0.500	3.000	Cloudy	Eggy
10:00 AM	-328.0	5.12	8.70	0.300	16.5	17.70	42.51	100	0.500	3.500	Clear	Eggy
10:05 AM	-323.2	4.72	8.71	0.290	16.8	15.00	43.46	100	0.500	4.000	Clear	Eggy
10:10 AM	-320.6	4.34	8.71	0.290	17.0	13.20	44.24	100	0.500	4.500	Clear	Eggy
10:15 AM	-322.8	0.81	8.81	0.290	17.1	13.30	45.32	100	0.500	5.000	Clear	Eggy
10:20 AM	-324.8	0.71	8.80	0.290	17.1	9.82	46.87	100	0.500	5.500	Clear	Eggy
10:25 AM	-325.6	0.67	8.80	0.290	17.1	9.65	47.20	100	0.500	6.000	Clear	Eggy
10:30 AM	-326.9	0.65	8.77	0.290	17.1	9.10	47.50	100	0.500	6.500	Clear	Eggy

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:
Site:	Garfield Avenue group of sites	Event: 2024-SEP-BEDROCK

Sample Information

Sample ID:	114-MW62C-73.0-20240918	Date:	9/18/2024 1:20:00 PM
Well ID:	114-MW62C	Location Type:	MW
Duplicate ID:		Sampler:	SalemI
Equipment:			
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:	Ms/msd		

Well Inspection

Well Located?	Yes	Well Diameter:	
Pad Condition:		Well Action Needed?	
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:		Lid Type:	
Cap Condition:		Well Labeled?	
Notes:			

Water Level

Date:	9/18/2024 12:25:00 PM	Measured Well Depth:	74.85
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	6.95	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	9/18/2024 12:34:00 PM	End Date and Time:	9/18/2024 1:15:00 PM
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

AECOM

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-SEP-BEDROCK	

Sample Information			
Sample ID:	114-MW62C-73.0-20240918	Date:	9/18/2024 1:20:00 PM
Well ID:	114-MW62C	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
12:40 PM	-47.5	2.44	6.71	1.440	18.3	6.53	6.95	100	0.500	0.500	Clear	None
12:45 PM	-54.0	1.31	6.77	1.450	18.1	3.98	6.95	100	0.500	1.000	Clear	None
12:50 PM	-59.4	0.99	6.79	1.450	18.0	3.01	6.95	100	0.500	1.500	Clear	None
12:55 PM	-62.3	0.86	6.79	1.450	18.0	3.32	6.95	100	0.500	2.000	Clear	None
1:00 PM	-66.8	0.75	6.79	1.450	18.0	1.61	6.95	100	0.500	2.500	Clear	None
1:05 PM	-71.5	0.66	6.79	1.460	18.0	1.97	6.95	100	0.500	3.000	Clear	None
1:10 PM	-73.5	0.63	6.79	1.460	17.9	1.90	6.95	100	0.500	3.500	Clear	None
1:15 PM	-76.0	0.60	6.79	1.450	17.9	1.82	6.95	100	0.500	4.000	Clear	None

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-SEP-BEDROCK	

Sample Information

Sample ID:	114-MW76D-103.75-20240916	Date:	9/16/2024 10:10:00 AM
Well ID:	114-MW76D	Location Type:	MW
Duplicate ID:		Sampler:	WallgrenB
Equipment:			
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:	MSMSD collected		

Well Inspection

Well Located?	Yes	Well Diameter:	6
Pad Condition:		Well Action Needed?	
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:		Lid Type:	
Cap Condition:		Well Labeled?	
Notes:			

Water Level

Date:	9/16/2024 9:02:00 AM	Measured Well Depth:	125.55
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	8.15	Depth to LNAPL:	NE
Notes:	Sample interval 103.75’		

Purge Information

Begin Date and Time:	9/16/2024 9:30:00 AM	End Date and Time:	9/16/2024 10:05:00 AM
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Site: Garfield Avenue group of sites

Project #:

Event: 2024-SEP-BEDROCK

Sample Information			
Sample ID:	114-MW76D-103.75-20240916	Date:	9/16/2024 10:10:00 AM
Well ID:	114-MW76D	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
9:35 AM	-113.0	0.79	11.48	1.750	19.0	5.26	8.19	150	0.750	0.750	Clear	None
9:40 AM	-133.1	0.51	11.64	1.800	19.0	3.42	8.26	150	0.750	1.500	Clear	None
9:45 AM	-140.3	0.44	11.69	1.800	19.1	2.57	8.28	150	0.750	2.250	Clear	None
9:50 AM	-141.7	0.40	11.62	1.800	19.0	2.68	8.30	150	0.750	3.000	Clear	None
9:55 AM	-146.2	0.35	11.76	1.800	19.1	2.30	8.31	150	0.750	3.750	Clear	None
10:00 AM	-148.6	0.33	11.78	1.800	19.4	2.46	8.31	150	0.750	4.500	Clear	None
10:05 AM	-147.5	0.31	11.80	1.800	19.3	2.49	8.32	150	0.750	5.250	Clear	None

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-SEP-BEDROCK	

Sample Information

Sample ID:	114-MW76D-108.75-20240916	Date:	9/16/2024 12:55:00 PM
Well ID:	114-MW76D	Location Type:	MW
Duplicate ID:		Sampler:	WallgrenB
Equipment:			
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:			

Well Inspection

Well Located?	Yes	Well Diameter:	6
Pad Condition:		Well Action Needed?	
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:		Lid Type:	
Cap Condition:		Well Labeled?	
Notes:			

Water Level

Date:	9/16/2024 11:48:00 AM	Measured Well Depth:	125.55
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	7.99	Depth to LNAPL:	NE
Notes:	Sample interval 108.75		

Purge Information

Begin Date and Time:	9/16/2024 11:53:00 AM	End Date and Time:	9/16/2024 12:50:00 PM
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-SEP-BEDROCK	

Sample Information

Sample ID:	114-MW76D-108.75-20240916	Date:	9/16/2024 12:55:00 PM
Well ID:	114-MW76D	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
11:55 AM	-50.7	2.80	11.42	1.280	23.4	7.88	8.06	150	0.750	0.000	Clear	None
12:00 PM	-75.0	0.74	11.70	1.720	22.1	8.33	8.10	150	0.750	0.750	Clear	None
12:05 PM	-91.8	0.39	11.77	1.820	21.4	6.22	8.13	150	0.750	1.500	Clear	None
12:10 PM	-101.2	0.29	11.79	1.830	20.5	5.49	8.17	150	0.750	2.250	Clear	None
12:15 PM	-104.3	0.26	11.82	1.800	20.5	5.05	8.20	150	0.750	3.000	Clear	None
12:20 PM	-112.3	0.24	11.81	1.820	20.8	5.04	8.21	150	0.750	3.750	Clear	None
12:25 PM	-114.6	0.20	11.78	1.820	20.8	4.28	8.23	150	0.750	4.500	Clear	None
12:30 PM	-115.4	0.19	11.83	1.820	20.4	3.78	8.23	150	0.750	5.250	Clear	None
12:35 PM	-116.7	0.19	11.82	1.830	20.7	3.73	8.23	150	0.750	6.000	Clear	None
12:40 PM	-116.8	0.19	11.81	1.830	21.0	3.26	8.23	150	0.750	6.750	Clear	None
12:45 PM	-118.7	0.20	11.81	1.820	21.0	3.47	8.23	150	0.750	7.500	Clear	None
12:50 PM	-126.0	0.22	11.81	1.820	21.0	3.23	8.23	150	0.750	8.250	Clear	None

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-SEP-BEDROCK	

Sample Information			
Sample ID:	114-MW76D-113.75-20240917	Date:	9/17/2024 9:55:00 AM
Well ID:	114-MW76D	Location Type:	MW
Duplicate ID:		Sampler:	WallgrenB
Equipment:			
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:			

Well Inspection			
Well Located?	Yes	Well Diameter:	6
Pad Condition:		Well Action Needed?	
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:		Lid Type:	
Cap Condition:		Well Labeled?	
Notes:			

Water Level			
Date:	9/17/2024 9:00:00 AM	Measured Well Depth:	125.55
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	7.80	Depth to LNAPL:	NE
Notes:	Sample interval 113.75’		

Purge Information			
Begin Date and Time:	9/17/2024 9:17:00 AM	End Date and Time:	9/17/2024 9:50:00 AM
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries
Site: Garfield Avenue group of sites
Project #:
Event: 2024-SEP-BEDROCK

Sample Information			
Sample ID:	114-MW76D-113.75-20240917	Date:	9/17/2024 9:55:00 AM
Well ID:	114-MW76D	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
9:20 AM	-63.4	0.97	11.64	1.440	17.8	15.20	7.81	200	1.000	0.000	Clear	None
9:25 AM	-240.0	0.36	11.86	1.590	17.4	17.80	7.93	200	1.000	1.000	Clear	None
9:30 AM	-260.4	0.29	11.96	1.570	18.7	14.90	7.95	125	0.625	1.625	Clear	None
9:35 AM	-259.1	0.28	11.94	1.580	18.7	8.53	7.95	125	0.625	2.250	Clear	None
9:40 AM	-263.9	0.26	11.94	1.580	18.8	6.69	7.95	125	0.625	2.875	Clear	None
9:45 AM	-268.4	0.24	11.94	1.570	19.1	6.57	7.95	125	0.625	3.500	Clear	None
9:50 AM	-272.5	0.23	11.94	1.570	19.3	6.64	7.96	125	0.625	4.125	Clear	None

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-SEP-BEDROCK	

Sample Information

Sample ID:	114-MW76D-118.75-20240917	Date:	9/17/2024 12:35:00 PM
Well ID:	114-MW76D	Location Type:	MW
Duplicate ID:		Sampler:	WallgrenB
Equipment:			
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:			

Well Inspection

Well Located?	Yes	Well Diameter:	6
Pad Condition:		Well Action Needed?	
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:		Lid Type:	
Cap Condition:		Well Labeled?	
Notes:			

Water Level

Date:	9/17/2024 11:00:00 AM	Measured Well Depth:	125.55
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	7.69	Depth to LNAPL:	NE
Notes:	Sample interval 118.75		

Purge Information

Begin Date and Time:	9/17/2024 11:16:00 AM	End Date and Time:	9/17/2024 12:30:00 PM
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

AECOM

Client: PPG Industries

Site: Garfield Avenue group of sites

Project #:

Event: 2024-SEP-BEDROCK

Sample Information			
Sample ID:	114-MW76D-118.75-20240917	Date:	9/17/2024 12:35:00 PM
Well ID:	114-MW76D	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
11:20 AM	-148.7	1.36	11.79	1.600	20.4	4.40	7.76	100	0.500	0.500	Clear	None
11:25 AM	-145.9	1.70	11.75	1.410	20.4	34.80	7.83	100	0.500	1.000	Clear	None
11:30 AM	-194.2	0.85	11.86	1.520	20.9	34.30	7.85	100	0.500	1.500	Clear	None
11:35 AM	-230.2	0.46	11.87	1.580	20.8	22.40	7.86	100	0.500	2.000	Clear	None
11:40 AM	-257.4	0.31	11.87	1.600	20.6	17.30	7.87	100	0.500	2.500	Clear	None
11:45 AM	-272.3	0.22	11.85	1.590	19.0	13.80	7.90	100	0.500	3.000	Clear	None
11:50 AM	-299.9	0.17	11.90	1.570	19.1	13.80	7.92	100	0.500	3.500	Clear	None
11:55 AM	-308.7	0.16	11.93	1.570	19.1	10.60	7.93	100	0.500	4.000	Clear	None
12:00 PM	-315.0	0.14	11.92	1.560	18.8	10.40	7.94	100	0.500	4.500	Clear	None
12:05 PM	-318.9	0.13	11.94	1.580	19.0	9.97	7.95	100	0.500	5.000	Clear	None
12:10 PM	-322.3	0.13	11.94	1.580	19.1	9.87	7.95	100	0.500	5.500	Clear	None
12:15 PM	-325.1	0.13	11.93	1.560	19.7	8.95	7.95	100	0.500	6.000	Clear	None
12:20 PM	-323.8	0.13	11.93	1.560	19.7	7.82	7.95	100	0.500	6.500	Clear	None
12:25 PM	-323.2	0.13	11.91	1.560	19.9	8.08	7.95	100	0.500	7.000	Clear	None
12:30 PM	-321.7	0.13	11.91	1.550	20.0	7.71	7.95	100	0.500	7.500	Clear	None

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-SEP-BEDROCK	

Sample Information			
Sample ID:	114-MW76D-123.75-20240918	Date:	9/18/2024 10:05:00 AM
Well ID:	114-MW76D	Location Type:	MW
Duplicate ID:		Sampler:	WallgrenB
Equipment:			
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:			

Well Inspection			
Well Located?	Yes	Well Diameter:	6
Pad Condition:		Well Action Needed?	
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:		Lid Type:	
Cap Condition:		Well Labeled?	
Notes:			

Water Level			
Date:	9/18/2024 8:59:00 AM	Measured Well Depth:	125.55
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	7.78	Depth to LNAPL:	NE
Notes:	Sample interval 123.75’		

Purge Information			
Begin Date and Time:	9/18/2024 9:08:00 AM	End Date and Time:	9/18/2024 10:00:00 AM
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries
Site: Garfield Avenue group of sites
Project #:
Event: 2024-SEP-BEDROCK

Sample Information			
Sample ID:	114-MW76D-123.75-20240918	Date:	9/18/2024 10:05:00 AM
Well ID:	114-MW76D	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
9:10 AM	-64.8	7.56	11.63	1.640	17.8	31.50	7.72	150	0.750	0.000	Clear	None
9:15 AM	-289.7	0.81	11.90	1.770	18.0	36.10	7.83	150	0.750	0.750	Clear	None
9:20 AM	-331.5	0.46	11.98	1.780	17.9	29.30	7.91	150	0.750	1.500	Clear	None
9:25 AM	-355.5	0.32	12.02	1.770	17.9	21.40	7.94	150	0.750	2.250	Clear	None
9:30 AM	-360.5	0.30	12.02	1.770	17.9	17.40	7.96	150	0.750	3.000	Clear	None
9:35 AM	-364.1	0.27	12.02	1.780	17.8	14.30	7.98	150	0.750	3.750	Clear	None
9:40 AM	-368.2	0.26	12.03	1.770	17.8	11.60	7.99	150	0.750	4.500	Clear	None
9:45 AM	-371.1	0.23	12.03	1.770	17.8	10.50	8.00	150	0.750	5.250	Clear	None
9:50 AM	-373.6	0.22	12.03	1.770	17.8	8.49	8.00	150	0.750	6.000	Clear	None
9:55 AM	-375.3	0.22	12.04	1.770	17.8	8.33	8.01	150	0.750	6.750	Clear	None
10:00 AM	-375.9	0.22	12.04	1.770	17.9	7.97	8.01	150	0.750	7.500	Clear	None

GROUNDWATER SAMPLING LOG

Client: PPG Industries
Project #:
Site: Garfield Avenue group of sites
Event: 2024-OCT-P4-WBEDROCK

Sample Information			
Sample ID:	114-MW57C-70.9-20240930	Date:	9/30/2024 11:50:00 AM
Well ID:	114-MW57C	Location Type:	MW
Duplicate ID:		Sampler:	GB
Equipment:	Headspace meter: MiniRAE 3000 # 592000181 Field param meter: YSI Pro Plus # 21E102240 WL/int meter: Heron Dipper-T # T19DF2106153Ml		
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:	7 bottles		

Well Inspection			
Well Located?	Yes	Well Diameter:	2
Pad Condition:		Well Action Needed?	No
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:	good	Lid Type:	
Cap Condition:		Well Labeled?	yes
Notes:			

Water Level			
Date:	9/30/2024 10:03:00 AM	Measured Well Depth:	71.70
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	5.67	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	9/30/2024 11:02:00 AM	End Date and Time:	9/30/2024 11:45:00 AM
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Site: Garfield Avenue group of sites

Project #:

Event: 2024-OCT-P4-WBEDROCK

Sample Information			
Sample ID:	114-MW57C-70.9-20240930	Date:	9/30/2024 11:50:00 AM
Well ID:	114-MW57C	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
11:05 AM	-158.2	0.12	5.87	4.29	20.8	36.10	5.70	100.0	0.00	0.00	Yellow brown	No
11:10 AM	-131.9	2.02	5.61	4.12	19.6	11.50	5.74	100.0	0.50	0.50	Yellow	Dirty
11:15 AM	-125.4	0.33	5.61	3.99	19.8	10.90	5.74	100.0	0.50	1.00	Yellow	Dirty
11:20 AM	-123.0	0.30	5.61	3.97	20.1	8.28	5.74	100.0	0.50	1.50	Yellow	Dirty
11:25 AM	-125.4	0.25	5.60	3.95	21.2	9.49	5.58	100.0	0.50	2.00	Yellow	Dirty
11:30 AM	-130.2	0.21	5.60	3.93	21.1	8.56	5.52	100.0	0.50	2.50	Yellow	Dirty
11:35 AM	-128.9	0.20	5.60	3.90	21.4	8.57	5.52	100.0	0.50	3.00	Yellow	Dirty
11:40 AM	-130.2	0.20	5.59	3.87	21.5	9.30	5.52	100.0	0.50	3.50	Yellow	Dirty
11:45 AM	-129.6	0.20	5.59	3.82	21.3	9.33	5.52	100.0	0.50	4.00	Yellow	Dirty

GROUNDWATER SAMPLING LOG

Client: PPG Industries
Project #:
Site: Garfield Avenue group of sites
Event: 2024-OCT-P4-WBEDROCK

Sample Information			
Sample ID:	114-MW78WR-81.0-20240930	Date:	9/30/2024 1:35:00 PM
Well ID:	114-MW78WR	Location Type:	MW
Duplicate ID:		Sampler:	UflandC
Equipment:			
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:			

Well Inspection			
Well Located?	Yes	Well Diameter:	4
Pad Condition:		Well Action Needed?	No
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:	good	Lid Type:	
Cap Condition:		Well Labeled?	yes
Notes:			

Water Level			
Date:	9/30/2024 12:35:00 PM	Measured Well Depth:	84.18
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	5.37	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	9/30/2024 12:40:00 PM	End Date and Time:	9/30/2024 1:30:00 PM
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-OCT-P4-WBEDROCK	

Sample Information

Sample ID:	114-MW78WR-81.0-20240930	Date:	9/30/2024 1:35:00 PM
Well ID:	114-MW78WR	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
12:45 PM	-101.6	0.23	11.30	1.72	20.4	2.61	5.62	0.5	0.50	0.50	Clear	None
12:50 PM	-115.8	0.17	11.31	1.72	20.2	3.37	5.92	0.5	0.50	1.00	Clear	None
12:55 PM	-115.9	0.16	11.24	1.64	20.2	3.21	6.09	0.5	0.50	1.50	Clear	None
1:00 PM	-116.0	0.15	11.16	1.60	20.2	2.80	6.32	0.5	0.50	2.00	Clear	None
1:05 PM	-116.1	0.14	11.09	1.52	20.1	2.47	6.70	0.5	0.50	2.50	Clear	None
1:10 PM	-116.2	0.14	11.02	1.49	20.1	2.29	7.10	0.5	0.50	3.00	Clear	None
1:15 PM	-111.9	0.14	10.92	1.45	19.9	1.91	7.72	0.5	0.50	3.50	Lear	None
1:20 PM	-104.9	0.12	10.84	1.42	20.1	1.87	8.01	0.5	0.50	4.00	Clear	None
1:25 PM	-101.2	0.14	10.81	1.41	19.9	1.94	8.43	0.5	0.50	4.50	Clear	None
1:30 PM	-92.2	0.13	10.74	1.39	19.9	1.96	8.79	0.5	0.50	5.00	Clear	None

GROUNDWATER SAMPLING LOG

Client:	PPG Industries		Project #:
Site:	Garfield Avenue group of sites		Event: 2024-OCT-P4-WBEDROCK

Sample Information			
Sample ID:	114-MW79WR-78.0-20240930	Date:	9/30/2024 3:05:00 PM
Well ID:	114-MW79WR	Location Type:	MW
Duplicate ID:	114-MW79WR-78.0-20240930-X	Sampler:	GB
Equipment:	Headspace meter: MiniRAE 3000 # 592000181 Field param meter: YSI Pro Plus # 21E102240 WL/int meter: Heron Dipper-T # T19DF2106153Ml		
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:	Duplicate collected		

Well Inspection			
Well Located?	Yes	Well Diameter:	4
Pad Condition:		Well Action Needed?	No
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:	good	Lid Type:	
Cap Condition:		Well Labeled?	yes
Notes:			

Water Level			
Date:	9/30/2024 12:52:00 PM	Measured Well Depth:	NM
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	1.86	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	9/30/2024 12:58:00 PM	End Date and Time:	9/30/2024 3:00:00 PM
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

AECOM

Client: PPG Industries

Project #:

Site: Garfield Avenue group of sites

Event: 2024-OCT-P4-WBEDROCK

Sample Information			
Sample ID:	114-MW79WR-78.0-20240930	Date:	9/30/2024 3:05:00 PM
Well ID:	114-MW79WR	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
1:00 PM	-141.7	0.33	5.44	4.63	23.3	47.20	2.02	100.0	0.50	0.00	Brown	Molasses
1:05 PM	-136.7	0.26	5.43	4.84	24.3	55.40	2.02	100.0	0.50	0.50	Brown	molasses
1:10 PM	-137.3	0.14	5.43	5.00	24.6	55.10	2.02	100.0	0.50	1.00	Brown	Molasses
1:15 PM	-139.5	0.13	5.43	4.99	24.0	55.70	2.04	100.0	0.50	1.50	Brown	Molasses
1:20 PM	-142.1	0.10	5.43	4.99	24.0	55.50	2.07	100.0	0.50	2.00	Brown	Molasses
1:25 PM	-145.6	0.10	5.43	4.98	24.0	53.70	2.13	100.0	0.50	2.50	Brown	Molasses
1:30 PM	-147.8	0.09	5.43	4.96	23.9	54.90	2.14	100.0	0.50	3.00	Brown	Molasses
1:35 PM	-146.1	0.09	5.43	4.95	23.9	53.30	2.14	100.0	0.50	3.50	Brown	Molasses
1:40 PM	-148.8	0.08	5.42	4.93	23.8	53.10	2.12	100.0	0.50	4.00	Brown	Molasses
1:45 PM	-148.6	0.08	5.42	4.93	23.9	53.50	2.11	100.0	0.50	4.50	Brown	Molasses
1:50 PM	-148.0	0.08	5.42	4.91	23.7	53.90	2.05	100.0	0.50	5.00	Brown	Molasses
1:55 PM	-150.9	0.09	5.42	4.89	23.6	55.40	2.00	100.0	0.50	5.50	Brown	Molasses
2:00 PM	-151.8	0.09	5.42	4.89	24.0	53.70	2.00	100.0	0.50	6.00	Brown	Molasses
2:05 PM	-149.8	0.08	5.42	4.87	23.9	52.90	2.00	100.0	0.50	6.50	Brown	Molasses
2:10 PM	-150.7	0.08	5.42	4.86	24.3	54.10	2.00	100.0	0.50	7.00	Brown	Molasses
2:15 PM	-152.6	0.08	5.43	4.86	24.7	52.90	2.00	100.0	0.50	7.50	Brown	Molasses
2:20 PM	-150.6	0.09	5.42	4.84	24.3	50.50	2.00	100.0	0.50	8.00	Brown	Molasses
2:25 PM	-155.0	0.08	5.42	4.81	23.9	51.40	2.00	100.0	0.50	8.50	Brown	Molasses
2:30 PM	-156.1	0.09	5.42	4.81	23.7	52.00	2.00	100.0	0.50	9.00	Brown	Molasses
2:35 PM	-157.3	0.09	5.42	4.81	23.8	50.90	1.91	100.0	0.50	9.50	Brown	Molasses
2:40 PM	-158.6	0.10	5.42	4.77	22.8	52.10	1.90	100.0	0.50	10.00	Brown	Molasses
2:45 PM	-157.7	0.10	5.42	4.78	23.1	51.80	1.87	100.0	0.50	10.50	Brown	Molasses
2:50 PM	-159.2	0.10	5.42	4.68	23.0	50.00	1.87	100.0	0.50	11.00	Brown	Molasses
2:55 PM	-159.6	0.10	5.42	4.68	22.7	51.40	1.87	100.0	0.50	11.50	Brown	Molasses

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GROUNDWATER SAMPLING LOG

3:00 PM	-158.9	0.10	5.42	4.68	22.2	51.00	1.87	100.0	0.50	12.00	Brown	Molasses

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-OCT-P4-WBEDROCK	

Sample Information

Sample ID:	114-MW80WR-91.5-20240930	Date:	9/30/2024 11:15:00 AM
Well ID:	114-MW80WR	Location Type:	MW
Duplicate ID:		Sampler:	UflandC
Equipment:			
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:			

Well Inspection

Well Located?	Yes	Well Diameter:	4
Pad Condition:		Well Action Needed?	No No
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:	good good	Lid Type:	
Cap Condition:		Well Labeled?	yes yes
Notes:			

Water Level

Date:	9/30/2024 10:20:00 AM	Measured Well Depth:	93.90
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	3.98	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	9/30/2024 10:25:00 AM	End Date and Time:	9/30/2024 11:10:00 AM
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-OCT-P4-WBEDROCK	

Sample Information			
Sample ID:	114-MW80WR-91.5-20240930	Date:	9/30/2024 11:15:00 AM
Well ID:	114-MW80WR	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
10:30 AM	-116.5	0.22	9.20	0.85	18.5	1.76	4.11	0.5	0.50	0.50	Clear	None
10:35 AM	-107.8	0.18	9.20	0.85	18.5	4.59	4.20	0.5	0.50	1.00	Clear	None
10:40 AM	-108.1	0.18	9.20	0.85	18.6	2.33	4.30	0.5	0.50	1.50	Clear	None
10:45 AM	-110.3	0.17	9.20	0.84	18.6	2.10	4.33	0.5	0.50	2.00	Clear	None
10:50 AM	-112.6	0.16	9.21	0.84	18.6	2.43	4.37	0.5	0.50	2.50	Clear	None
10:55 AM	-116.3	0.15	9.21	0.84	18.6	1.90	4.40	0.5	0.50	3.00	Clear	None
11:00 AM	-118.3	0.16	9.21	0.84	18.5	1.60	4.42	0.5	0.50	3.50	Clear	None
11:05 AM	-120.8	0.14	9.18	0.85	18.5	1.58	4.43	0.5	0.50	4.00	Clear	None
11:10 AM	-122.2	0.15	9.15	0.85	18.5	1.46	4.44	0.5	0.50	4.50	Clear	None

GROUNDWATER SAMPLING LOG

Client: PPG Industries
Project #:
Site: Garfield Avenue group of sites
Event: 2024-OCT-P4-WBEDROCK

Sample Information			
Sample ID:	114-PZ-66WR-84.0-20240930	Date:	9/30/2024 12:20:00 PM
Well ID:	114-PZ-66WR	Location Type:	MW
Duplicate ID:		Sampler:	ClarkM4
Equipment:	Headspace meter: MiniRAE 3000 # 592-910277 (1000-1325) Field param meter: 3510-1428 # 23G103044 (3510-1428), Probe: 23K100546 WL/int meter: Solinst 101 # 556676 (3010-1282)		
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:	D2O collected		

Well Inspection			
Well Located?	Yes	Well Diameter:	2
Pad Condition:		Well Action Needed?	No
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:	good	Lid Type:	
Cap Condition:		Well Labeled?	yes
Notes:			

Water Level			
Date:	9/30/2024 11:10:00 AM	Measured Well Depth:	85.91
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	6.06	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	9/30/2024 11:17:00 AM	End Date and Time:	9/30/2024 12:15:00 PM
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries
Project #:
Site: Garfield Avenue group of sites
Event: 2024-OCT-P4-WBEDROCK

Sample Information			
Sample ID:	114-PZ-66WR-84.0-20240930	Date:	9/30/2024 12:20:00 PM
Well ID:	114-PZ-66WR	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
11:25 AM	47.7	1.51	5.86	4.73	21.5	7.57	6.06	110.0	0.55	0.55	Yellow tint	Molasses
11:30 AM	52.7	0.71	5.87	4.78	21.2	9.91	6.04	110.0	0.55	1.10	Yellow tint	Molasses
11:35 AM	55.2	0.37	5.87	4.82	20.7	9.60	6.06	110.0	0.55	1.65	Yellow tint	Molasses
11:40 AM	54.2	0.29	5.87	4.84	20.7	6.69	6.03	110.0	0.55	2.20	Yellow tint	Molasses
11:45 AM	52.3	0.24	5.86	4.86	20.7	5.77	5.90	110.0	0.55	2.75	Yellow tint	Molasses
11:50 AM	50.6	0.22	5.86	4.89	20.6	6.11	5.83	110.0	0.55	3.30	Yellow tint	Molasses
11:55 AM	45.5	0.22	5.86	4.90	20.9	3.21	5.79	110.0	0.55	3.85	Yellow tint	Molasses
12:00 PM	40.5	0.22	5.86	4.93	20.8	3.55	5.76	110.0	0.55	4.40	Yellow tint	Molasses
12:05 PM	32.8	0.22	5.86	4.92	21.3	2.79	5.71	110.0	0.55	4.95	Yellow tint	Molasses
12:10 PM	28.6	0.22	5.86	4.95	20.7	2.93	5.67	110.0	0.55	5.50	Yellow tint	Molasses
12:15 PM	27.9	0.22	5.86	4.93	20.7	2.93	5.63	110.0	0.55	6.06	Yellow tint	Molasses

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-SEP-P4-WBEDROCK	

Sample Information

Sample ID:	114-MW53C-48.0-20240904	Date:	9/4/2024 12:05:00 PM
Well ID:	114-MW53C	Location Type:	MW
Duplicate ID:		Sampler:	G. Boyle
Equipment:			
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:			

Well Inspection

Well Located?	Yes	Well Diameter:	
Pad Condition:		Well Action Needed?	
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:	good	Lid Type:	
Cap Condition:		Well Labeled?	yes
Notes:	good		

Water Level

Date:	9/4/2024 11:00:00 AM	Measured Well Depth:	48.70
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	43.40	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	9/4/2024 11:05:00 AM	End Date and Time:	9/4/2024 12:00:00 PM
Initial Pump Depth:	48	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries
Project #:
Site: Garfield Avenue group of sites
Event: 2024-SEP-P4-WBEDROCK

Sample Information			
Sample ID:	114-MW53C-48.0-20240904	Date:	9/4/2024 12:05:00 PM
Well ID:	114-MW53C	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
11:05 AM	-210.2	3.07	7.02	4288.00	23.5	58.40	6.670	100	0.0	0.0	black	dirty
11:10 AM	-177.5	3.95	5.97	5368.00	23.5	13.60	6.600	100	0.5	0.5	brown	dirty
11:15 AM	-112.9	3.95	5.85	5743.00	22.7	3.92	6.520	100	1.0	1.5	brown	dirty
11:20 AM	-57.2	3.13	5.80	5822.00	22.2	3.19	6.500	100	1.5	3.0	brown	dirty
11:25 AM	-34.2	2.68	5.77	5800.00	21.5	3.06	6.500	100	2.0	5.0	brown	dirty
11:30 AM	-25.1	2.29	5.76	5788.00	21.3	3.04	6.480	100	2.5	7.5	brown	dirty
11:35 AM	-19.0	2.13	5.75	5782.00	21.0	2.97	6.450	100	3.0	10.5	brown	dirty
11:40 AM	-17.4	2.02	5.74	5746.00	20.7	3.03	6.450	100	3.5	14.0	brown	dirty
11:45 AM	-19.3	1.89	5.75	5717.00	20.9	2.45	6.450	100	4.0	18.0	brown	dirty
11:50 AM	-21.1	1.80	5.75	5688.00	20.9	2.74	6.480	100	4.5	22.5	gold	dirty
11:55 AM	-24.0	1.75	5.76	5629.00	20.5	2.71	6.480	100	5.0	27.5	gold	dirty
12:00 PM	-27.3	1.68	5.77	5591.00	20.4	2.71	6.480	100	5.5	33.0	gold	dirty

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-SEP-P4-WBEDROCK	

Sample Information			
Sample ID:	114-MW57C-80.0-20240903	Date:	9/3/2024 11:25:00 AM
Well ID:	114-MW57C	Location Type:	MW
Duplicate ID:		Sampler:	SalemI
Equipment:			
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:			

Well Inspection			
Well Located?	Yes	Well Diameter:	
Pad Condition:		Well Action Needed?	
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:		Lid Type:	
Cap Condition:		Well Labeled?	
Notes:			

Water Level			
Date:	9/3/2024 9:58:00 AM	Measured Well Depth:	72.85
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	5.45	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	9/3/2024 10:07:00 AM	End Date and Time:	9/3/2024 11:20:00 AM
Initial Pump Depth:	70.9	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries | Project #:
Site: Garfield Avenue group of sites | Event: 2024-SEP-P4-WBEDROCK

Sample Information			
Sample ID:	114-MW57C-80.0-20240903	Date:	9/3/2024 11:25:00 AM
Well ID:	114-MW57C	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
10:05 AM	-81.1	1.09	5.65	4.43	20.0	17.50	5.460	100	0.5	0.5	Yellow	Sweet
10:10 AM	-95.1	0.37	5.69	4.53	20.0	14.60	5.480	100	0.5	1.0	Yellow	Sweet
10:15 AM	-99.4	0.26	5.69	4.60	20.0	12.50	5.500	100	0.5	1.5	Yellow	Sweet
10:20 AM	-100.7	0.22	5.70	4.76	19.9	13.70	5.500	100	0.5	2.0	Yellow	Sweet
10:25 AM	-91.4	0.22	5.71	4.89	20.3	12.90	5.500	100	0.5	2.5	Yellow	Sweet
10:30 AM	-87.2	0.21	5.71	4.99	20.5	11.90	5.500	100	0.5	3.0	Yellow	Sweet
10:35 AM	-75.1	0.23	5.72	5.06	20.4	10.90	5.500	100	0.5	3.5	Yellow	Sweet
10:40 AM	-69.8	0.25	5.73	5.11	20.4	10.40	5.500	100	0.5	4.0	Yellow	Sweet
10:45 AM	-66.1	0.24	5.73	5.11	20.5	10.40	5.500	100	0.5	4.5	Yellow	Sweet
10:50 AM	-60.1	0.21	5.74	5.12	20.5	10.70	5.500	100	0.5	5.0	Yellow	Sweet
10:55 AM	-58.7	0.19	5.74	5.13	20.7	10.90	5.500	100	0.5	5.5	Yellow	Sweet
11:00 AM	-57.7	0.18	5.73	5.13	20.9	10.70	5.500	100	0.5	6.0	Yellow	Sweet
11:05 AM	-56.6	0.17	5.72	5.12	21.0	10.60	5.500	100	0.5	6.5	Yellow	Sweet
11:10 AM	-53.6	0.16	5.72	5.12	21.0	9.90	5.500	100	0.5	7.0	Yellow	Sweet
11:15 AM	-55.2	0.16	5.70	5.11	20.8	9.82	5.500	100	0.5	7.5	Yellow	Sweet
11:20 AM	-51.9	0.15	5.70	5.11	21.6	9.98	5.500	100	0.5	8.0	Yellow	Sweet

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Site: Garfield Avenue group of sites

Project #:

Event: 2024-SEP-P4-WBEDROCK

Sample Information			
Sample ID:	114-MW75WR-118.0-20240906	Date:	9/6/2024 9:30:00 AM
Well ID:	114-MW75WR	Location Type:	MW
Duplicate ID:		Sampler:	SalemI
Equipment:			
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:			

Well Inspection			
Well Located?	Yes	Well Diameter:	2
Pad Condition:		Well Action Needed?	
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:		Lid Type:	
Cap Condition:		Well Labeled?	
Notes:			

Water Level			
Date:	9/6/2024 8:48:00 AM	Measured Well Depth:	NM
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	4.40	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	9/6/2024 8:49:00 AM	End Date and Time:	9/6/2024 9:25:00 AM
Initial Pump Depth:	118	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

AECOM

Client: PPG Industries

Project #:

Site: Garfield Avenue group of sites

Event: 2024-SEP-P4-WBEDROCK

Sample Information			
Sample ID:	114-MW75WR-118.0-20240906	Date:	9/6/2024 9:30:00 AM
Well ID:	114-MW75WR	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
8:50 AM	-203.3	0.43	6.98	2.02	19.5	31.30	4.400	100	0.5	0.5	Clear	Eggy
8:55 AM	-212.7	0.30	7.27	2.06	19.1	22.30	4.420	100	0.5	1.0	Clear	Eggy
9:00 AM	-211.5	0.27	7.41	2.08	19.3	15.30	4.450	100	0.5	1.5	Clear	Eggy
9:05 AM	-217.8	0.21	7.49	2.09	19.2	12.80	4.470	100	0.5	2.0	Clear	Eggy
9:10 AM	-222.2	0.19	7.56	2.09	19.2	8.10	4.490	100	0.5	2.5	Clear	Eggy
9:15 AM	-222.8	0.19	7.58	2.09	19.2	7.02	4.500	100	0.5	3.0	Clear	Eggy
9:20 AM	-223.4	0.19	7.60	2.10	19.2	6.63	4.500	100	0.5	3.5	Clear	Eggy
9:25 AM	-227.4	0.18	7.62	2.10	19.3	6.72	4.500	100	0.5	4.0	Clear	Eggy

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-SEP-P4-WBEDROCK	

Sample Information

Sample ID:	114-MW76WR-57.0-20240904	Date:	9/4/2024 9:35:00 AM
Well ID:	114-MW76WR	Location Type:	MW
Duplicate ID:		Sampler:	G. Boyle
Equipment:			
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:			

Well Inspection

Well Located?	Yes	Well Diameter:	4
Pad Condition:		Well Action Needed?	
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:	good	Lid Type:	
Cap Condition:		Well Labeled?	yes
Notes:	good		

Water Level

Date:	9/4/2024 8:39:00 AM	Measured Well Depth:	65.00
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	59.70	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	9/4/2024 8:40:00 AM	End Date and Time:	9/4/2024 9:30:00 AM
Initial Pump Depth:	57	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

AECOM

Client: PPG Industries

Project #:

Site: Garfield Avenue group of sites

Event: 2024-SEP-P4-WBEDROCK

Sample Information			
Sample ID:	114-MW76WR-57.0-20240904	Date:	9/4/2024 9:35:00 AM
Well ID:	114-MW76WR	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
8:40 AM	-53.5	1.20	12.19	4652.00	19.9	6.44	5.280	100	0.0	0.0	yellow	N/A
8:45 AM	-31.1	0.47	12.45	4708.00	18.7	2.09	5.530	100	0.5	0.5	yellow	N/A
8:50 AM	-16.2	1.25	12.51	4711.00	18.4	1.58	5.770	100	1.0	1.5	yellow	N/A
8:55 AM	-7.8	1.13	12.51	4661.00	19.3	1.47	5.950	100	1.5	3.0	yellow	N/A
9:00 AM	-0.2	1.11	12.52	4693.00	19.5	1.20	6.090	100	2.0	5.0	yellow	N/A
9:05 AM	5.9	1.10	12.53	4696.00	19.5	1.33	6.200	100	2.5	7.5	yellow	N/A
9:10 AM	13.2	1.04	12.54	4686.00	19.6	1.34	6.340	100	3.0	10.5	yellow	N/A
9:15 AM	20.0	0.98	12.55	4678.00	19.6	1.53	6.530	100	3.5	14.0	yellow	N/A
9:20 AM	24.2	0.96	12.55	4686.00	19.7	1.89	6.610	100	4.0	18.0	yellow	N/A
9:25 AM	29.3	0.91	12.55	4678.00	19.9	1.74	6.760	100	4.5	22.5	yellow	N/A
9:30 AM	32.4	0.89	12.55	4671.00	19.9	1.75	6.850	100	5.0	27.5	yellow	N/A

GROUNDWATER SAMPLING LOG

Client: PPG Industries
Project #:
Site: Garfield Avenue group of sites
Event: 2024-SEP-P4-WBEDROCK

Sample Information			
Sample ID:	114-MW77WR-57.0-20240903	Date:	9/3/2024 1:25:00 PM
Well ID:	114-MW77WR	Location Type:	MW
Duplicate ID:		Sampler:	SalemI
Equipment:			
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:			

Well Inspection			
Well Located?	Yes	Well Diameter:	4
Pad Condition:		Well Action Needed?	
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:		Lid Type:	
Cap Condition:		Well Labeled?	
Notes:			

Water Level			
Date:	9/3/2024 12:30:00 PM	Measured Well Depth:	67.61
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	4.41	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	9/3/2024 12:31:00 PM	End Date and Time:	9/3/2024 1:20:00 PM
Initial Pump Depth:	57	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

AECOM

Client: PPG Industries

Project #:

Site: Garfield Avenue group of sites

Event: 2024-SEP-P4-WBEDROCK

Sample Information			
Sample ID:	114-MW77WR-57.0-20240903	Date:	9/3/2024 1:25:00 PM
Well ID:	114-MW77WR	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
12:35 PM	-116.7	1.84	11.60	1.95	23.0	8.34	4.450	100	0.5	0.5	Light yellow	None
12:40 PM	-128.7	0.50	11.76	1.97	22.5	6.94	4.490	100	0.5	1.0	Light yellow	None
12:45 PM	-139.1	0.35	11.75	1.99	22.9	7.30	4.540	100	0.5	1.5	Light yellow	None
12:50 PM	-136.6	0.27	11.74	1.99	23.4	6.67	4.580	100	0.5	2.0	Light yellow	None
12:55 PM	-134.6	0.30	11.75	2.00	24.5	3.24	4.590	100	0.5	2.5	Light yellow	None
1:00 PM	-140.9	0.24	11.79	2.01	22.4	1.60	4.600	100	0.5	3.0	Light yellow	None
1:05 PM	-143.5	0.22	11.76	1.99	23.1	1.72	4.610	100	0.5	3.5	Light yellow	None
1:10 PM	-144.1	0.21	11.77	2.00	22.9	0.83	4.620	100	0.5	4.0	Light yellow	None
1:15 PM	-144.2	0.20	11.77	2.01	22.6	0.96	4.620	100	0.5	4.5	Light yellow	None
1:20 PM	-146.7	0.19	11.78	2.00	22.6	0.63	4.630	100	0.5	5.0	Light yellow	None

GROUNDWATER SAMPLING LOG

Client: PPG Industries | Project #:
Site: Garfield Avenue group of sites | Event: 2024-SEP-P4-WBEDROCK

Sample Information			
Sample ID:	114-MW78WR-81.0-20240905	Date:	9/5/2024 10:00:00 AM
Well ID:	114-MW78WR	Location Type:	MW
Duplicate ID:		Sampler:	SalemI
Equipment:			
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:	Ms/msd		

Well Inspection			
Well Located?	Yes	Well Diameter:	4
Pad Condition:		Well Action Needed?	
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:		Lid Type:	
Cap Condition:		Well Labeled?	
Notes:			

Water Level			
Date:	9/5/2024 9:14:00 AM	Measured Well Depth:	88.71
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	4.01	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	9/5/2024 9:20:00 AM	End Date and Time:	9/5/2024 9:55:00 AM
Initial Pump Depth:	81	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:
Site:	Garfield Avenue group of sites	Event: 2024-SEP-P4-WBEDROCK

Sample Information			
Sample ID:	114-MW78WR-81.0-20240905	Date:	9/5/2024 10:00:00 AM
Well ID:	114-MW78WR	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
9:25 AM	-76.3	0.45	11.40	1.84	20.4	5.27	4.620	100	0.5	0.5	Clear	None
9:30 AM	-211.3	0.32	11.72	1.91	21.2	7.21	4.720	100	0.5	1.0	Clear	None
9:35 AM	-221.6	0.33	11.75	1.92	21.5	6.32	4.910	100	0.5	1.5	Clear	None
9:40 AM	-226.5	0.34	11.75	1.91	21.5	2.50	5.200	100	0.5	2.0	Clear	None
9:45 AM	-234.7	0.32	11.75	1.91	21.2	3.82	5.690	100	0.5	2.5	Clear	None
9:50 AM	-236.5	0.32	11.75	1.90	21.4	4.11	5.700	100	0.5	3.0	Clear	None
9:55 AM	-238.1	0.32	11.75	1.89	21.5	3.93	5.720	100	0.5	3.5	Clear	None

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-SEP-P4-WBEDROCK	

Sample Information

Sample ID:	114-MW79WR-78.0-20240903	Date:	9/3/2024 2:00:00 PM
Well ID:	114-MW79WR	Location Type:	MW
Duplicate ID:	114-MW79WR-78.0-20240903-X	Sampler:	G. Boyle
Equipment:			
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:	Dup Collected		

Well Inspection

Well Located?	Yes	Well Diameter:	4
Pad Condition:		Well Action Needed?	
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:	good	Lid Type:	
Cap Condition:		Well Labeled?	yes
Notes:	good		

Water Level

Date:	9/3/2024 11:57:00 AM	Measured Well Depth:	89.20
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	87.71	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	9/3/2024 11:59:00 AM	End Date and Time:	9/3/2024 1:55:00 PM
Initial Pump Depth:	78	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

AECOM

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Project #:

Site: Garfield Avenue group of sites

Event: 2024-SEP-P4-WBEDROCK

Sample Information			
Sample ID:	114-MW79WR-78.0-20240903	Date:	9/3/2024 2:00:00 PM
Well ID:	114-MW79WR	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
12:00 PM	-194.1	9.23	5.78	4653.00	24.6	56.80	2.020	100	0.0	0.0	brown	dirty
12:05 PM	-136.2	11.20	5.47	4540.00	23.9	53.60	2.300	100	0.5	0.5	brown	dirty
12:10 PM	-130.6	0.31	5.50	4524.00	24.6	50.10	2.320	100	1.0	1.5	brown	dirty
12:15 PM	-128.1	0.18	5.51	4540.00	24.9	50.20	2.320	100	1.5	3.0	brown	dirty
12:20 PM	-138.6	0.13	5.51	4520.00	25.0	50.90	2.330	100	2.0	5.0	brown	dirty
12:25 PM	-135.9	0.18	5.50	4511.00	25.1	48.90	2.330	100	2.5	7.5	brown	dirty
12:30 PM	-136.8	0.13	5.50	4517.00	25.1	49.80	2.330	100	3.0	10.5	brown	dirty
12:35 PM	-137.8	0.09	5.51	4500.00	25.2	47.70	2.320	100	3.5	14.0	brown	dirty
12:40 PM	-139.0	0.08	5.51	4504.00	25.4	47.80	2.320	100	4.0	18.0	brown	dirty
12:45 PM	-139.2	0.08	5.51	4502.00	25.3	49.20	2.320	100	4.5	22.5	brown	dirty
12:50 PM	-138.6	0.08	5.51	4500.00	25.1	49.10	2.320	100	5.0	27.5	brown	dirty
12:55 PM	-131.9	0.07	5.51	4464.00	24.5	46.90	2.320	100	5.5	33.0	brown	dirty
1:00 PM	-130.6	0.07	5.52	4492.00	25.5	45.60	2.320	100	6.0	39.0	brown	dirty
1:05 PM	-128.6	0.07	5.52	4474.00	25.1	46.10	2.320	100	6.5	45.5	brown	dirty
1:10 PM	-127.0	0.07	5.52	4468.00	25.0	44.10	2.320	100	7.0	52.5	brown	dirty
1:15 PM	-126.0	0.07	5.52	4468.00	25.0	46.00	2.320	100	7.5	60.0	brown	dirty
1:20 PM	-123.0	0.07	5.52	4462.00	24.9	44.50	2.320	100	8.0	68.0	brown	dirty
1:25 PM	122.4	0.07	5.52	4476.00	24.8	42.00	2.320	100	8.5	76.5	brown	dirty
1:35 PM	122.3	0.07	5.52	4457.00	24.4	43.40	2.322	100	9.5	95.0	brown	dirty
1:40 PM	-121.4	0.07	5.52	4458.00	24.4	44.20	2.320	100	10.0	105.0	brown	dirty
1:45 PM	-121.8	0.07	5.52	4453.00	25.0	44.20	2.320	100	10.5	115.5	brown	dirty
1:50 PM	-120.3	0.07	5.52	4452.00	24.4	43.70	2.320	100	11.0	126.5	brown	dirty
1:55 PM	-119.9	0.07	5.52	4450.00	24.7	43.60	2.320	100	11.5	138.0	brown	dirty

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-SEP-P4-WBEDROCK	

Sample Information

Sample ID:	114-MW80WR-91.5-20240905	Date:	9/5/2024 1:00:00 PM
Well ID:	114-MW80WR	Location Type:	MW
Duplicate ID:		Sampler:	SalemI
Equipment:			
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:			

Well Inspection

Well Located?	Yes	Well Diameter:	4
Pad Condition:		Well Action Needed?	
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:		Lid Type:	
Cap Condition:		Well Labeled?	
Notes:			

Water Level

Date:	9/5/2024 12:18:00 PM	Measured Well Depth:	98.71
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	2.85	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	9/5/2024 12:19:00 PM	End Date and Time:	9/5/2024 12:55:00 PM
Initial Pump Depth:	91.5	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Project #:

Site: Garfield Avenue group of sites

Event: 2024-SEP-P4-WBEDROCK

Sample Information			
Sample ID:	114-MW80WR-91.5-20240905	Date:	9/5/2024 1:00:00 PM
Well ID:	114-MW80WR	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
12:20 PM	-88.7	0.33	9.32	0.82	22.7	12.20	2.850	100	0.5	0.5	Clear	None
12:25 PM	-112.9	0.62	9.39	0.81	22.7	9.32	2.850	100	0.5	1.0	Clear	None
12:30 PM	-131.8	0.56	9.40	0.80	22.9	5.92	2.850	100	0.5	1.5	Clear	None
12:35 PM	-136.7	0.40	9.39	0.79	22.7	6.69	2.850	100	0.5	2.0	Clear	None
12:40 PM	-142.6	0.38	9.39	0.79	22.6	3.53	2.850	100	0.5	2.5	Clear	None
12:45 PM	-145.6	0.37	9.38	0.79	22.6	4.51	2.850	100	0.5	3.0	Clear	None
12:50 PM	-146.6	0.36	9.36	0.79	22.9	4.47	2.860	100	0.5	3.5	Clear	None
12:55 PM	-147.9	0.35	9.32	0.79	22.5	4.72	2.870	100	0.5	4.0	Clear	None

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-SEP-P4-WBEDROCK	

Sample Information

Sample ID:	114-PZ-52WR-74.0-20240905	Date:	9/5/2024 10:55:00 AM
Well ID:	114-PZ-52WR	Location Type:	MW
Duplicate ID:		Sampler:	G. Boyle
Equipment:			
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:			

Well Inspection

Well Located?	Yes	Well Diameter:	
Pad Condition:		Well Action Needed?	
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:	good	Lid Type:	
Cap Condition:		Well Labeled?	yes
Notes:	good. CVO present on well tubing and in purge water		

Water Level

Date:	9/5/2024 8:48:00 AM	Measured Well Depth:	76.00
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	70.09	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	9/5/2024 8:50:00 AM	End Date and Time:	9/5/2024 10:50:00 PM
Initial Pump Depth:	74	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

AECOM

Client: PPG Industries

Site: Garfield Avenue group of sites

Project #:

Event: 2024-SEP-P4-WBEDROCK

Sample Information			
Sample ID:	114-PZ-52WR-74.0-20240905	Date:	9/5/2024 10:55:00 AM
Well ID:	114-PZ-52WR	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
8:50 AM	23.9	0.56	4.89	2118.00	21.0	98.80	6.000	100	0.0	0.0	light yellow	poop
8:55 AM	56.8	0.59	4.88	2695.00	19.3	56.80	7.280	100	0.5	0.5	light yellow	dirty
9:00 AM	58.1	0.33	4.90	2614.00	19.2	58.10	8.750	100	1.0	1.5	light yellow	dirty
9:05 AM	49.4	0.24	4.90	2575.00	19.3	49.40	9.510	100	1.5	3.0	light yellow	dirty
9:10 AM	53.7	0.18	4.91	2548.00	20.0	53.70	10.270	100	2.0	5.0	light yellow	dirty
9:15 AM	67.1	0.15	4.91	2541.00	20.3	67.10	11.000	100	2.5	7.5	light yellow	dirty
9:20 AM	63.0	0.13	4.91	2540.00	20.4	63.00	11.660	100	3.0	10.5	light yellow	dirty
9:25 AM	-7.7	0.12	4.91	2518.00	20.4	68.40	12.320	100	3.5	14.0	light yellow	dirty
9:30 AM	-7.3	0.12	4.91	2511.00	20.4	153.00	12.820	100	4.0	18.0	light yellow	dirty
9:40 AM		0.12	4.91	2511.00	20.9		13.630	100	4.5	27.5	light yellow	dirty
9:45 AM	-5.4	0.12	4.91	2517.00	21.1	93.00	14.020	100	5.0	27.5	light yellow	dirty
9:50 AM	-4.8	0.12	4.91	2514.00	21.4	90.50	14.560	100	5.5	33.0	light yellow	dirty
9:55 AM	-3.4	0.12	4.91	2539.00	21.8	92.90	14.820	100	6.0	39.0	light yellow	dirty
10:00 AM	-1.8	0.13	4.90	2584.00	21.8	94.50	15.000	100	6.5	45.5	light yellow	dirty
10:05 AM	-0.1	0.13	4.90	2602.00	22.0	106.00	15.290	100	7.0	52.5	light yellow	dirty
10:10 AM	0.1	0.12	4.89	2595.00	22.0	106.00	15.510	100	7.5	60.0	light yellow	dirty
10:15 AM	2.0	0.13	4.88	2664.00	22.3	104.00	15.710	100	8.0	68.0	light yellow	dirty
10:20 AM	2.4	0.12	4.88	2638.00	22.2	115.00	15.930	100	8.5	76.5	light yellow	dirty
10:25 AM	2.7	0.12	4.88	2633.00	22.4	126.00	16.100	100	9.0	85.5	light yellow	dirty
10:30 AM	3.5	0.13	4.85	2753.00	22.3	128.00	13.250	100	9.5	95.0	light yellow	dirty
10:35 AM	4.4	0.13	4.86	2730.00	22.5	139.00	16.350	100	10.5	105.5	light yellow	dirty
10:40 AM	7.8	0.09	4.84	2754.00	22.4	122.00	16.500	100	11.0	116.5	light yellow	dirty
10:45 AM	9.6	0.12	4.84	2725.00	22.5	146.00	16.610	100	11.5	128.0	light yellow	dirty
10:50 PM	10.8	0.12	4.84	2732.00	22.6	132.00	16.730	100	12.0	140.0	light yellow	dirty

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-SEP-P4-WBEDROCK	

Sample Information

Sample ID:	114-PZ-66WR-84.0-20240903	Date:	9/3/2024 11:00:00 AM
Well ID:	114-PZ-66WR	Location Type:	MW
Duplicate ID:		Sampler:	G. Boyle
Equipment:			
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:			

Well Inspection

Well Located?	Yes	Well Diameter:	
Pad Condition:		Well Action Needed?	
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:	good	Lid Type:	
Cap Condition:		Well Labeled?	yes
Notes:	good		

Water Level

Date:	9/3/2024 10:00:00 AM	Measured Well Depth:	86.00
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	80.63	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	9/3/2024 10:04:00 PM	End Date and Time:	9/3/2024 10:55:00 AM
Initial Pump Depth:	84	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Site: Garfield Avenue group of sites

Project #:

Event: 2024-SEP-P4-WBEDROCK

Sample Information			
Sample ID:	114-PZ-66WR-84.0-20240903	Date:	9/3/2024 11:00:00 AM
Well ID:	114-PZ-66WR	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
10:05 AM	72.4	0.88	6.46	2860.00	19.8	27.60	5.380	100	0.0	0.0	yellow	N/A
10:10 AM	96.0	1.49	6.09	3404.00	19.9	7.03	5.380	100	0.5	0.5	yellow	N/A
10:15 AM	105.8	1.15	6.07	3533.00	19.7	5.51	5.390	100	1.0	1.5	yellow	N/A
10:20 AM	114.2	0.89	6.03	3631.00	19.5	3.97	5.350	100	1.5	3.0	yellow	N/A
10:25 AM	119.7	0.69	6.01	3657.00	19.9	3.65	5.320	100	2.0	5.0	yellow	N/A
10:30 AM	118.5	0.60	6.00	3715.00	19.7	3.67	5.270	100	2.5	7.5	yellow	N/A
10:35 AM	122.6	0.50	5.98	3733.00	20.1	4.23	5.240	100	3.0	10.5	yellow	N/A
10:40 AM	122.9	0.49	5.98	3761.00	20.1	3.04	5.240	100	3.5	14.0	yellow	N/A
10:45 AM	121.9	0.45	5.97	3786.00	20.1	3.18	5.280	100	4.0	18.0	yellow	N/A
10:50 AM	122.9	0.43	5.96	3822.00	19.9	3.07	5.220	100	4.5	22.5	yellow	N/A
10:55 AM	122.1	0.41	5.92	3826.00	20.0	2.92	5.260	100	5.0	27.5	yellow	N/A

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-OCT-P4-WBEDROCK	

Sample Information

Sample ID:	114-MW53C-48.0-20241001	Date:	10/1/2024 9:35:00 AM
Well ID:	114-MW53C	Location Type:	MW
Duplicate ID:		Sampler:	UflandC
Equipment:			
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:			

Well Inspection

Well Located?	Yes	Well Diameter:	2
Pad Condition:		Well Action Needed?	No
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:	good	Lid Type:	
Cap Condition:		Well Labeled?	yes
Notes:			

Water Level

Date:	10/1/2024 8:45:00 AM	Measured Well Depth:	48.22
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	7.32	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	10/1/2024 8:50:00 AM	End Date and Time:	10/1/2024 9:30:00 AM
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

AECOM

Client: PPG Industries

Project #:

Site: Garfield Avenue group of sites

Event: 2024-OCT-P4-WBEDROCK

Sample Information			
Sample ID:	114-MW53C-48.0-20241001	Date:	10/1/2024 9:35:00 AM
Well ID:	114-MW53C	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
8:55 AM	-135.2	1.74	5.93	4.30	18.0	4.04	7.36	0.5	0.50	0.50	Butter scotch	Rot
9:00 AM	-137.6	0.84	5.92	4.27	18.0	4.52	7.41	0.5	0.50	1.00	Butter scotch	Rot
9:05 AM	-138.2	0.38	5.92	4.24	17.9	4.03	7.47	0.5	0.50	1.50	Butter scotch	Rot
9:10 AM	-139.2	0.25	5.92	4.22	17.9	3.98	7.50	0.5	0.50	2.00	Butter scotch	Rot
9:15 AM	-141.8	0.21	5.92	4.21	17.8	4.31	7.49	0.5	0.50	2.50	Butter scotch	Rot
9:20 AM	-143.3	0.18	5.92	4.18	17.7	4.91	7.47	0.5	0.50	3.00	Butter scotch	Rot
9:25 AM	-145.0	0.17	5.93	4.16	17.7	4.76	7.46	0.5	0.50	3.50	Butter scotch	Rot
9:30 AM	-147.1	0.16	5.93	4.15	17.8	4.68	7.43	0.5	0.50	4.00	Butter scotch	Rot

GROUNDWATER SAMPLING LOG

Client: PPG Industries
Project #:
Site: Garfield Avenue group of sites
Event: 2024-OCT-P4-WBEDROCK

Sample Information			
Sample ID:	114-MW75WR-118.0-20241001	Date:	10/1/2024 2:00:00 PM
Well ID:	114-MW75WR	Location Type:	MW
Duplicate ID:		Sampler:	ClarkM4
Equipment:	Headspace meter: MiniRAE 3000 # 592-910277 (1000-1325) Field param meter: 3510-1428 # 23G103044 (3510-1428), Probe: 23K100546 WL/int meter: Solinst 101 # 556676 (3010-1282)		
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:	D2O collected		

Well Inspection			
Well Located?	Yes	Well Diameter:	2
Pad Condition:		Well Action Needed?	No
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:	good	Lid Type:	
Cap Condition:		Well Labeled?	yes
Notes:			

Water Level			
Date:	10/1/2024 12:55:00 PM	Measured Well Depth:	120.20
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	5.16	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	10/1/2024 1:05:00 PM	End Date and Time:	10/1/2024 1:55:00 PM
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries
Project #:
Site: Garfield Avenue group of sites
Event: 2024-OCT-P4-WBEDROCK

Sample Information			
Sample ID:	114-MW75WR-118.0-20241001	Date:	10/1/2024 2:00:00 PM
Well ID:	114-MW75WR	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
1:05 PM	-171.3	2.27	7.11	2.63	19.2	1.67	5.18	110.0	0.55	0.55	Clear	Eggs
1:10 PM	-209.1	0.42	7.42	2.41	20.0	4.37	5.21	110.0	0.55	1.10	Clear	Eggs
1:15 PM	-217.4	0.32	7.57	2.37	19.7	6.09	5.25	110.0	0.55	1.65	Clear	Eggs
1:20 PM	-223.5	0.22	7.64	2.33	19.6	7.28	5.25	110.0	0.55	2.20	Clear	Eggs
1:25 PM	-228.9	0.18	7.64	2.31	20.0	7.61	5.25	110.0	0.55	2.75	Clear	Eggs
1:30 PM	-236.1	0.17	7.66	2.32	20.0	7.47	5.25	110.0	0.55	3.30	Clear	Eggs
1:35 PM	-241.2	0.17	7.68	2.34	19.6	6.91	5.26	110.0	0.55	3.85	Clear	Eggs
1:40 PM	-244.6	0.17	7.69	2.34	19.6	6.03	5.26	110.0	0.55	4.40	Clear	Eggs
1:45 PM	-250.7	0.16	7.72	2.33	19.9	3.55	5.26	110.0	0.55	4.95	Clear	Eggs
1:50 PM	-252.5	0.16	7.72	2.34	19.9	3.50	5.26	110.0	0.55	5.50	Clear	Eggs
1:55 PM	-255.0	0.16	7.73	2.35	19.9	3.74	5.26	110.0	0.55	6.05	Clear	Eggs

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-OCT-P4-WBEDROCK	

Sample Information

Sample ID:	114-MW76WR-57.0-20241016	Date:	10/16/2024 11:05:00 AM
Well ID:	114-MW76WR	Location Type:	MW
Duplicate ID:		Sampler:	M Collins
Equipment:	Headspace meter: MiniRAE 3000 # 592-914611 Field param meter: ProQuatro # 22J103525 WL/int meter: Geotech # 8117AL		
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:			

Well Inspection

Well Located?	Yes	Well Diameter:	4
Pad Condition:		Well Action Needed?	No
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:	good	Lid Type:	
Cap Condition:		Well Labeled?	yes
Notes:			

Water Level

Date:	10/16/2024 10:08:00 AM	Measured Well Depth:	64.78
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	5.80	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	10/16/2024 10:15:00 AM	End Date and Time:	10/16/2024 11:00:00 AM
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

AECOM

Client: PPG Industries

Project #:

Site: Garfield Avenue group of sites

Event: 2024-OCT-P4-WBEDROCK

Sample Information			
Sample ID:	114-MW76WR-57.0-20241016	Date:	10/16/2024 11:05:00 AM
Well ID:	114-MW76WR	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
10:20 AM	82.6	0.91	11.87	4.06	16.5	8.40	6.00	120.0	0.60	0.60	Yellow	None
10:25 AM	83.0	65.00	11.89	4.12	16.3	3.22	6.20	120.0	0.60	1.20	Yellow	None
10:30 AM	83.3	0.54	11.92	4.17	16.1	1.15	6.39	120.0	0.60	1.80	Yellow	None
10:35 AM	81.9	0.47	11.96	4.17	16.3	1.22	6.57	120.0	0.60	2.40	Yellow	None
10:40 AM	80.6	0.40	12.00	4.18	16.5	1.32	6.76	120.0	0.60	3.00	Yellow	None
10:45 AM	81.5	0.39	11.90	4.17	16.5	1.77	6.88	120.0	0.60	3.60	Yellow	None
10:50 AM	82.3	0.36	11.90	4.17	16.6	2.03	7.15	120.0	0.60	4.20	Yellow	None
10:55 AM	83.6	0.35	11.95	4.18	16.6	2.00	7.26	120.0	0.60	4.80	Yellow	None
11:00 AM	84.9	0.34	11.99	4.19	16.6	2.02	7.41	120.0	0.60	5.40	Yellow	None

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	
Site:	Garfield Avenue group of sites	Event: 2024-OCT-P4-WBEDROCK	

Sample Information			
Sample ID:	114-PZ-52WR-74.0-20241001	Date:	10/1/2024 12:40:00 PM
Well ID:	114-PZ-52WR	Location Type:	MW
Duplicate ID:		Sampler:	UflandC
Equipment:			
Analysis:			
Bottle type:	Insert bottles	Preservative(s):	Insert preservatives
Comments:			

Well Inspection			
Well Located?	Yes	Well Diameter:	2
Pad Condition:		Well Action Needed?	No
Box Condition:		Well Locked (if Stick-Up?)	N/A
Lid Condition:	good	Lid Type:	
Cap Condition:		Well Labeled?	yes
Notes:	EVO froth stuff		

Water Level			
Date:	10/1/2024 10:20:00 AM	Measured Well Depth:	75.90
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	5.70	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	10/1/2024 10:30:00 AM	End Date and Time:	10/1/2024 12:35:00 PM
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

AECOM

Client: PPG Industries

Site: Garfield Avenue group of sites

Project #:

Event: 2024-OCT-P4-WBEDROCK

Sample Information			
Sample ID:	114-PZ-52WR-74.0-20241001	Date:	10/1/2024 12:40:00 PM
Well ID:	114-PZ-52WR	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
10:35 AM	34.6	1.08	4.60	3.21	19.1	44.60	7.32	0.5	0.50	0.50	Caramel	Rot
10:40 AM	16.9	0.51	4.57	3.20	19.0	36.80	8.21	0.5	0.50	1.00	Caramel	Rot
10:45 AM	2.4	0.41	4.60	3.19	18.9	41.30	9.30	0.5	0.50	1.50	Caramel	Rot
10:50 AM	-21.8	0.28	4.63	3.18	18.8	38.00	10.10	0.5	0.50	2.00	Caramel	Rot
10:55 AM	-50.0	0.13	4.68	3.17	18.7	40.40	11.31	0.5	0.50	2.50	Caramel	Rot
11:00 AM	-53.7	0.12	4.67	3.15	18.8	62.00	12.09	0.5	0.50	3.00	Caramel	Rot
11:05 AM	-57.2	0.12	4.67	3.10	18.8	74.00	12.97	0.5	0.50	3.50	Caramel	Rot
11:10 AM	-61.3	0.12	4.67	3.04	18.9	84.20	13.64	0.5	0.50	4.00	Caramel	Rot
11:15 AM	-65.7	0.11	4.68	2.99	19.0	91.90	14.49	0.5	0.50	4.50	Caramel	Rot
11:20 AM	-68.4	0.11	4.68	2.92	19.0	119.00	15.43	0.5	0.50	5.00	Caramel	Rot
11:25 AM	-69.8	0.11	4.68	2.88	19.1	151.00	16.00	0.5	0.50	5.50	Caramel	Rot
11:30 AM	-71.4	0.11	4.68	2.74	18.9	179.00	16.73	0.5	0.50	6.00	Caramel	Rot
11:35 AM	-73.2	0.11	4.68	2.70	18.8	218.00	17.32	0.5	0.50	6.50	Caramel	Rot
11:40 AM	-74.5	0.11	4.69	2.60	18.7	247.00	17.64	0.5	0.50	7.00	Caramel	Rot
11:45 AM	-75.2	0.11	4.69	2.58	18.5	296.00	18.00	0.5	0.50	7.50	Caramel	Rot
11:50 AM	-76.2	0.10	4.70	2.54	18.4	312.00	18.60	0.5	0.50	8.00	Caramel	Rot
11:55 AM	-76.8	0.10	4.68	2.52	18.3	329.00	19.05	0.5	0.50	8.50	Caramel	Rot
12:00 PM	-77.0	0.10	4.66	2.50	18.3	333.00	19.58	0.5	0.50	9.00	Caramel	Rot
12:05 PM	-76.9	0.10	4.63	2.54	18.3	325.00	19.62	0.5	0.50	9.50	Caramel	Rot
12:10 PM	-76.9	0.10	4.61	2.59	18.3	338.00	19.71	0.5	0.50	10.00	Caramel	Rot
12:15 PM	-76.8	0.10	4.59	2.60	18.3	312.00	19.93	0.5	0.50	10.50	Caramel	Rot
12:20 PM	-76.7	0.10	4.59	2.63	18.3	305.00	20.01	0.5	0.50	11.00	Caramel	Rot
12:25 PM	-77.1	0.10	4.60	2.81	18.3	314.00	20.19	0.5	0.50	11.50	Caramel	Rot
12:30 PM	-77.5	0.10	4.60	2.55	18.3	342.00	20.38	0.5	0.50	12.00	Caramel	Rot

GROUNDWATER SAMPLING LOG

12:35 PM	-77.9	0.10	4.60	2.52	18.3	328.00	20.59	0.5	0.50	12.50	Caramel	Rot

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #: 60732743	
Site:	Garfield Avenue group of sites	Event: 2024-NOV-P4-WBEDROCK	

Sample Information

Sample ID:	114-MW53C-48-20241104	Date:	11/4/2024 2:05:00 PM
Well ID:	114-MW53C	Location Type:	MW
Duplicate ID:		Sampler:	Sayra Reyes
Equipment:	Headspace meter: MiniRAE 3000 # Field param meter: YSI Pro Plus # WL/int meter: Solinst 101 # 25667		
Analysis:	Cr(VI), pH, ORP (unfiltered),Cr(unfiltered), Sulfate, Total Organic Carbon		
Bottle type:	2-500 mL, 250 mL, 60 mL	Preservative(s): Nitric acid (HNO3), HCL	
Comments:	Parameters stable		

Well Inspection

Well Located?	Yes	Well Diameter:	2
Pad Condition: N/A		Well Action Needed?	No
Box Condition: N/A		Well Locked (if Stick-Up?)	N/A
Lid Condition:	good	Lid Type: N/A	
Cap Condition: N/A		Well Labeled?	yes
Notes:			

Water Level

Date:	11/4/2024 1:00:00 PM	Measured Well Depth:	48.30
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	8.20	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	11/4/2024 1:05:00 PM	End Date and Time:	11/4/2024 2:00:00 PM
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump : Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries | Project #: 60732743

Site: Garfield Avenue group of sites | Event: 2024-NOV-P4-WBEDROCK

Sample Information			
Sample ID:	114-MW53C-48-20241104	Date:	11/4/2024 2:05:00 PM
Well ID:	114-MW53C	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
1:10 PM	-98.7	1.20	6.43	3.99	18.2	19.00	8.20	100	0.0	0.0	Amber	Slight
1:15 PM	-95.4	0.49	6.28	4.19	18.0	17.20	8.25	100	0.5	0.5	Amber	Slight
1:20 PM	-97.2	0.71	6.27	4.19	17.8	15.30	8.30	100	0.5	1.0	Amber	Slight
1:25 PM	-95.4	0.91	6.27	4.19	17.6	8.90	8.30	100	0.5	1.5	Amber	Slight
1:30 PM	-88.8	0.20	6.27	4.18	17.3	11.30	8.30	100	0.5	2.0	Amber	Slight
1:35 PM	-93.9	4.89	6.28	4.17	17.5	7.63	8.30	100	0.5	2.5	Amber	Slight
1:40 PM	-95.7	4.01	6.28	4.17	17.6	8.16	8.30	100	0.5	3.0	Amber	Slight
1:45 PM	-96.6	0.49	6.28	4.17	17.5	7.22	8.30	100	0.5	3.5	Amber	Slight
1:50 PM	-98.9	0.16	6.28	4.16	17.5	6.88	8.30	100	0.5	4.0	Amber	Slight
1:55 PM	-100.5	0.15	6.28	4.16	17.6	6.79	8.30	100	0.5	4.5	Amber	Slight
2:00 PM	-101.8	0.15	6.28	4.16	17.3	6.71	8.30	100	0.5	5.0	Amber	Slight

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #: 60732743	
Site:	Garfield Avenue group of sites	Event: 2024-NOV-P4-WBEDROCK	

Sample Information			
Sample ID:	114-MW57C-70.9-20241104	Date:	11/4/2024 1:10:00 PM
Well ID:	114-MW57C	Location Type:	MW
Duplicate ID:		Sampler:	GB
Equipment:	Headspace meter: MiniRAE 3000 # 592000258 Field param meter: YSI 556 # 22H104803 WL/int meter: Solinst 101 # 306780		
Analysis:	Cr(VI), pH, ORP (unfiltered),Cr(unfiltered), Sulfate, Total Organic Carbon		
Bottle type:	2-500 mL, 250 mL, 60 mL	Preservative(s): Nitric acid (HNO3), HCL	
Comments:			

Well Inspection			
Well Located?	Yes	Well Diameter:	2
Pad Condition: N/A		Well Action Needed?	No
Box Condition: N/A		Well Locked (if Stick-Up?)	N/A
Lid Condition:	good	Lid Type: N/A	
Cap Condition: N/A		Well Labeled?	yes
Notes:			

Water Level			
Date:	11/4/2024 12:05:00 PM	Measured Well Depth:	71.78
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	5.94	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	11/4/2024 12:16:00 PM	End Date and Time:	11/4/2024 1:05:00 PM
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump : Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries — Project #: 60732743

Site: Garfield Avenue group of sites — Event: 2024-NOV-P4-WBEDROCK

Sample Information			
Sample ID:	114-MW57C-70.9-20241104	Date:	11/4/2024 1:10:00 PM
Well ID:	114-MW57C	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
12:20 PM	-81.6	0.96	6.26	3.58	19.2	32.50	6.20	100	0.5	0.0	Brown	Molasses
12:25 PM	-136.9	0.45	5.70	3.46	19.5	19.10	6.13	100	0.5	0.5	Light brown	Molasses
12:30 PM	-109.0	0.27	5.68	3.60	19.3	10.90	6.12	100	0.5	1.0	Light brown	Molasses
12:35 PM	-86.1	0.22	5.69	3.68	18.4	9.97	6.11	100	0.5	1.5	Light brown	Molasses
12:40 PM	-70.3	0.19	5.70	3.68	18.5	7.89	6.10	100	0.5	2.0	Light brown	Molasses
12:45 PM	-62.5	0.19	5.72	3.69	18.6	8.53	6.10	100	0.5	2.5	Light brown	Molasses
12:50 PM	-55.6	0.16	5.74	3.68	18.8	8.30	6.10	100	0.5	3.0	Light brown	Molasses
12:55 PM	-50.9	0.17	5.74	3.65	18.2	8.32	6.10	100	0.5	3.5	Light brown	Molasses
1:00 PM	-46.6	0.17	5.74	3.63	18.0	8.51	6.10	100	0.5	4.0	Light brown	Molasses
1:05 PM	-45.7	0.16	5.75	3.62	18.3	8.32	6.10	100	0.5	4.5	Light brown	Molasses

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Project #: 60732743

Site: Garfield Avenue group of sites

Event: 2024-NOV-P4-WBEDROCK

Sample Information			
Sample ID:	114-MW75WR-118.0-20241105	Date:	11/5/2024 1:15:00 PM
Well ID:	114-MW75WR	Location Type:	MW
Duplicate ID:		Sampler:	GB
Equipment:	Headspace meter: MiniRAE 3000 # 592000258 Field param meter: YSI 556 # 22H104803 WL/int meter: Solinst 101 # 306780		
Analysis: Cr(VI), pH, ORP (unfiltered), Cr(unfiltered), Sulfate, Total Organic Carbon			
Bottle type:	2-500 mL, 250 mL, 60 mL	Preservative(s): Nitric acid (HNO3), HCL	
Comments:	All parameters stabilized		

Well Inspection			
Well Located?	Yes	Well Diameter:	2
Pad Condition: N/A		Well Action Needed?	Yes
Box Condition: N/A		Well Locked (if Stick-Up?)	N/A
Lid Condition:	good	Lid Type: N/A	
Cap Condition: N/A		Well Labeled?	no
Notes:	No label on well		

Water Level			
Date:	11/5/2024 11:45:00 AM	Measured Well Depth:	120.16
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	5.67	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	11/5/2024 11:54:00 AM	End Date and Time:	11/5/2024 1:10:00 PM
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump : Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Project #: 60732743

Site: Garfield Avenue group of sites

Event: 2024-NOV-P4-WBEDROCK

Sample Information			
Sample ID:	114-MW75WR-118.0-20241105	Date:	11/5/2024 1:15:00 PM
Well ID:	114-MW75WR	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
12:00 PM	-159.7	1.44	6.79	1.94	19.9	6.90	5.82	100	0.5	0.0	Clear	Sulfuric
12:05 PM	-161.1	0.90	7.47	1.82	19.6	23.10	5.85	100	0.5	0.5	Clear	Sulfuric
12:10 PM	-133.4	0.73	7.53	1.80	19.5	12.30	5.85	100	0.5	1.0	Clear	Sulfuric
12:15 PM	-122.0	1.07	7.54	1.79	19.5	11.20	5.85	100	0.5	1.5	Clear	Sulfuric
12:20 PM	-113.8	0.97	7.58	1.79	20.1	8.75	5.85	100	0.5	2.0	Clear	Sulferic
12:25 PM	-103.8	1.38	7.57	1.82	20.1	7.43	5.85	100	0.5	2.5	Clear	Sulferic
12:30 PM	-94.3	1.29	7.58	1.83	20.3	5.99	5.80	100	0.5	3.0	Clear	Sulferic
12:35 PM	-88.9	1.16	7.59	1.85	20.2	6.43	5.81	100	0.5	3.5	Clear	Sulferic
12:40 PM	-86.1	1.13	7.60	1.85	20.0	5.01	5.82	100	0.5	4.0	Clear	Sulferic
12:45 PM	-83.2	0.13	7.63	1.85	20.2	7.43	5.82	100	0.5	4.5	Clear	Sulferic
12:50 PM	-78.6	0.14	7.63	1.86	20.1	5.00	5.82	100	0.5	5.0	Clear	Sulferic
12:55 PM	-73.9	0.14	7.64	1.88	19.8	4.26	5.82	100	0.5	5.5	Clear	Sulferic
1:00 PM	-70.7	0.14	7.66	1.87	20.0	2.96	5.82	100	0.5	6.0	Clear	Sulferic
1:05 PM	-64.7	0.14	7.66	1.88	19.9	2.79	5.82	100	0.5	6.5	Clear	Sulferic
1:10 PM	-62.7	0.14	7.68	1.87	20.3	2.79	5.82	100	0.5	7.0	Clear	Sulferic

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #: 60732743	
Site:	Garfield Avenue group of sites	Event: 2024-NOV-P4-WBEDROCK	

Sample Information

Sample ID:	114-MW76WR-57.0-20241104	Date:	11/4/2024 10:50:00 AM
Well ID:	114-MW76WR	Location Type:	MW
Duplicate ID:		Sampler:	ClarkM4
Equipment:	Headspace meter: MiniRAE 3000 # 592-917175 (1000-1262) Field param meter: 3510 # 21K103649 (3510-1350) WL/int meter: Solinst 101 # 251255 (3010-1118)		
Analysis: Cr(VI), pH, ORP (unfiltered), Cr(unfiltered), Sulfate, Total Organic Carbon			
Bottle type:	2-500 mL, 250 mL, 60 mL	Preservative(s): Nitric acid (HNO3), HCL	
Comments:	All parameters stable		

Well Inspection

Well Located?	Yes	Well Diameter:	4
Pad Condition: N/A		Well Action Needed?	No
Box Condition: N/A		Well Locked (if Stick-Up?)	N/A
Lid Condition:	good	Lid Type: N/A	
Cap Condition: N/A		Well Labeled?	yes
Notes:			

Water Level

Date:	11/4/2024 9:52:00 AM	Measured Well Depth:	64.62
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	7.40	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	11/4/2024 9:52:00 AM	End Date and Time:	11/4/2024 10:45:00 AM
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump : Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries
Project #: 60732743
Site: Garfield Avenue group of sites
Event: 2024-NOV-P4-WBEDROCK

Sample Information			
Sample ID:	114-MW76WR-57.0-20241104	Date:	11/4/2024 10:50:00 AM
Well ID:	114-MW76WR	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
10:00 AM	-248.8	1.69	12.04	4.57	17.0	1.68	7.69	140	0.7	0.7	Light green	Slight hydrocarbon
10:05 AM	-306.5	0.59	12.09	4.54	16.7	0.63	7.83	140	0.7	1.4	Light green	Slight hydrocarbon
10:10 AM	-338.6	0.47	12.13	4.53	16.4	0.81	8.01	140	0.7	2.1	Light green	Slight hydrocarbon
10:15 AM	-347.8	0.49	12.14	4.52	16.4	0.65	8.13	140	0.7	2.8	Light green	Slight hydrocarbon
10:20 AM	-360.4	0.47	12.16	4.51	16.3	0.54	8.36	140	0.7	3.5	Light green	Slight hydrocarbon
10:25 AM	-365.8	0.45	12.17	4.50	16.5	0.53	8.51	140	0.7	4.2	Light green	Slight hydrocarbon
10:30 AM	-370.0	0.45	12.16	4.51	16.5	0.42	8.71	140	0.7	4.9	Light green	Sight hydrocarbon
10:35 AM	-372.6	0.45	12.16	4.50	16.5	0.45	8.85	140	0.7	5.6	Light green	Slight hydrocarbon
10:40 AM	-375.3	0.45	12.16	4.50	16.3	0.40	9.03	140	0.7	6.3	Light green	Slight hydrocarbon
10:45 AM	-376.2	0.45	12.17	4.50	16.3	0.62	9.15	140	0.7	7.0	Light green	Slight hydrocarbon

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #: 60732743	
Site:	Garfield Avenue group of sites	Event: 2024-NOV-P4-WBEDROCK	

Sample Information			
Sample ID:	114-MW78WR-81.0-20241104	Date:	11/4/2024 10:10:00 AM
Well ID:	114-MW78WR	Location Type:	MW
Duplicate ID:		Sampler:	GB
Equipment:	Headspace meter: MiniRAE 3000 # 592000258 Field param meter: YSI 556 # 22H104803 WL/int meter: Solinst 101 # 306780		
Analysis: Cr(VI), pH, ORP (unfiltered), Cr(unfiltered), Sulfate, Total Organic Carbon			
Bottle type:	2-500 mL, 250 mL, 60 mL	Preservative(s): Nitric acid (HNO3), HCL	
Comments:	MS/MSD collected		

Well Inspection			
Well Located?	Yes	Well Diameter:	4
Pad Condition: N/A		Well Action Needed?	No
Box Condition: N/A		Well Locked (if Stick-Up?)	N/A
Lid Condition:	good	Lid Type: N/A	
Cap Condition: N/A		Well Labeled?	yes
Notes:			

Water Level			
Date:	11/4/2024 8:58:00 AM	Measured Well Depth:	84.55
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	6.03	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	11/4/2024 9:07:00 AM	End Date and Time:	11/4/2024 10:05:00 AM
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump : Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

AECOM

Client: PPG Industries | Project #: 60732743

Site: Garfield Avenue group of sites | Event: 2024-NOV-P4-WBEDROCK

Sample Information			
Sample ID:	114-MW78WR-81.0-20241104	Date:	11/4/2024 10:10:00 AM
Well ID:	114-MW78WR	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
9:10 AM	45.4	2.07	9.57	1.21	16.8	8.38	6.17	100	0.5	0.0	Clear	No
9:15 AM	-0.8	0.79	11.38	1.57	17.5	4.31	6.41	100	0.5	0.5	Clear	No
9:20 AM	-5.8	0.68	11.48	1.68	17.6	3.39	6.58	100	0.5	1.0	Clear	No
9:25 AM	-4.6	0.72	11.47	1.69	17.4	3.80	6.76	100	0.5	1.5	Clear	No
9:30 AM	-6.6	0.73	11.49	1.69	17.6	2.87	6.99	100	0.5	2.0	Clear	No
9:35 AM	-5.7	0.65	11.50	1.69	17.6	3.87	7.20	100	0.5	2.5	Clear	No
9:40 AM	-4.5	0.60	11.50	1.69	17.5	2.73	7.35	100	0.5	3.0	Clear	No
9:45 AM	-3.5	0.57	11.50	1.69	17.4	2.48	7.52	100	0.5	3.5	Clear	No
9:50 AM	-3.4	0.60	11.50	1.69	17.5	1.83	7.69	100	0.5	4.0	Clear	No
9:55 AM	-4.5	0.63	11.54	1.69	17.6	2.25	7.91	100	0.5	4.5	Clear	No
10:00 AM	-3.4	0.63	11.51	1.69	17.8	2.46	7.99	100	0.5	5.0	Clear	No
10:05 AM	-2.3	0.63	11.51	1.69	17.7	2.50	8.15	100	0.5	5.5	Clear	No

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #: 60732743	
Site:	Garfield Avenue group of sites	Event: 2024-NOV-P4-WBEDROCK	

Sample Information

Sample ID:	114-MW79WR-78.0-20241104	Date:	11/4/2024 2:10:00 PM
Well ID:	114-MW79WR	Location Type:	MW
Duplicate ID:	114-MW79WR-78.0-20241104-X	Sampler:	ClarkM4
Equipment:	Headspace meter: MiniRAE 3000 # 592-917175 (1000-1262) Field param meter: 3510 # 21K103649 (3510-1350) WL/int meter: Solinst 101 # 251255 (3010-1118)		
Analysis: Cr(VI), pH, ORP (unfiltered), Cr(unfiltered), Sulfate, Total Organic Carbon			
Bottle type: 2-500 mL, 250 mL, 60 mL		Preservative(s): Nitric acid (HNO3), HCL	
Comments:	Dup collected, Temperature and Turbidity were not stable at the time of sample collection. Reached NJDEP required 2 hr purging mark.		

Well Inspection

Well Located?	Yes	Well Diameter:	4
Pad Condition: N/A		Well Action Needed?	No
Box Condition: N/A		Well Locked (if Stick-Up?)	N/A
Lid Condition:	good	Lid Type: N/A	
Cap Condition: N/A		Well Labeled?	yes
Notes:			

Water Level

Date:	11/4/2024 12:02:00 PM	Measured Well Depth:	80.75
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	3.50	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:		End Date and Time:	
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method: Low flow (pump: Peristaltic)		Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

AECOM

Client: PPG Industries | Project #: 60732743

Site: Garfield Avenue group of sites | Event: 2024-NOV-P4-WBEDROCK

Sample Information			
Sample ID:	114-MW79WR-78.0-20241104	Date:	11/4/2024 2:10:00 PM
Well ID:	114-MW79WR	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
12:05 PM	-326.7	0.47	5.62	6.20	20.0	36.00	3.62	100	0.5	0.5	Dark amber	Strong molasses
12:10 PM	-327.0	0.29	5.62	6.29	20.3	33.80	3.53	100	0.5	1.0	Dark amber	Strong molasses
12:15 PM	-326.7	0.20	5.60	6.49	20.2	32.70	3.47	100	0.5	1.5	Dark amber	Strong molasses
12:20 PM	-323.2	0.17	5.61	6.34	20.2	32.10	3.46	100	0.5	2.0	Dark amber	Strong molasses
12:25 PM	-316.8	0.15	5.65	6.82	19.8	31.20	3.45	100	0.5	2.5	Dark amber	Strong molasses
12:30 PM	-319.2	0.15	5.65	6.81	19.1	27.90	3.45	100	0.5	3.0	Dark amber	Strong molasses
12:35 PM	-317.4	0.14	5.66	6.82	19.1	26.10	3.47	100	0.5	3.5	Dark amber	Strong molasses
12:40 PM	-318.5	0.13	5.65	6.82	19.3	26.00	3.49	100	0.5	4.0	Dark amber	Strong molasses
12:45 PM	-319.0	0.13	5.65	6.81	19.5	26.40	3.51	100	0.5	4.5	Dark amber	Strong molasses
12:50 PM	-322.9	0.14	5.65	6.79	19.3	25.90	3.51	100	0.5	5.0	Dark amber	Strong molasses
12:55 PM	-324.6	0.13	5.65	6.79	18.3	26.90	3.51	100	0.5	5.5	Dark amber	Strong molasses
1:00 PM	-325.2	0.14	5.66	6.78	18.1	27.60	3.50	100	0.5	6.0	Dark amber	Strong molasses
1:05 PM	-323.4	0.13	5.66	6.77	18.2	26.70	3.49	100	0.5	6.5	Dark amber	Strong molasses
1:10 PM	-324.0	0.13	5.66	6.78	18.5	26.00	3.47	100	0.5	7.0	Dark amber	Strong molasses
1:15 PM	-323.8	0.13	5.66	6.78	18.9	27.30	3.46	100	0.5	7.5	Dark amber	Strong molasses
1:20 PM	-327.0	0.14	5.66	6.77	18.7	28.00	3.42	100	0.5	8.0	Dark amber	Strong molasses

GROUNDWATER SAMPLING LOG

1:25 PM	-330.8	0.14	5.66	6.45	17.8	25.70	3.40	100	0.5	8.5	Dark amber	Strong molasse s
1:30 PM	-325.9	0.13	5.66	6.75	18.4	27.00	3.35	100	0.5	9.0	Dark amber	Strong molasse s
1:35 PM	-327.2	0.13	5.66	6.75	18.9	27.40	3.32	100	0.5	9.5	Dark amber	Strong molasse s
1:40 PM	-327.7	0.13	5.66	6.75	19.3	27.90	3.30	100	0.5	10.0	Dark amber	Strong molasse s
1:45 PM	-332.2	0.14	5.66	6.72	18.5	28.80	3.27	100	0.5	10.5	Dark amber	Strong molasse s
1:50 PM	-329.2	0.13	5.66	6.62	18.9	29.20	3.23	100	0.5	11.0	Dark amber	Strong molasse s
1:55 PM	-330.9	0.13	5.66	6.74	19.2	27.90	3.22	100	0.5	11.5	Dark amber	Strong molasse s
2:00 PM	-329.1	0.14	5.66	6.72	18.1	28.70	3.20	100	0.5	12.0	Dark amber	Strong molasse s
2:05 PM	-330.4	0.14	5.66	6.72	18.7	28.50	3.19	100	0.5	12.5	Dark amber	Strong molasse s

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #: 60732743	
Site:	Garfield Avenue group of sites	Event: 2024-NOV-P4-WBEDROCK	

Sample Information

Sample ID:	114-MW80WR-91.5-20241105	Date:	11/5/2024 10:10:00 AM
Well ID:	114-MW80WR	Location Type:	MW
Duplicate ID:		Sampler:	GB
Equipment:	Headspace meter: MiniRAE 3000 # 592000258 Field param meter: YSI 556 # 22H104803 WL/int meter: Solinst 101 # 306780		
Analysis: Cr(VI), pH, ORP (unfiltered), Cr(unfiltered), Sulfate, Total Organic Carbon			
Bottle type: 2-500 mL, 250 mL, 60 mL		Preservative(s): Nitric acid (HNO3), HCL	
Comments:	All parameters stabilized		

Well Inspection

Well Located?	Yes	Well Diameter:	4
Pad Condition: N/A		Well Action Needed?	No
Box Condition: N/A		Well Locked (if Stick-Up?)	N/A
Lid Condition:	good	Lid Type: N/A	
Cap Condition: N/A		Well Labeled?	yes
Notes:			

Water Level

Date:	11/5/2024 8:58:00 AM	Measured Well Depth:	93.98
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	4.12	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	11/5/2024 9:10:00 AM	End Date and Time:	11/5/2024 10:05:00 AM
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump : Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

AECOM

Client: PPG Industries | Project #: 60732743

Site: Garfield Avenue group of sites | Event: 2024-NOV-P4-WBEDROCK

Sample Information			
Sample ID:	114-MW80WR-91.5-20241105	Date:	11/5/2024 10:10:00 AM
Well ID:	114-MW80WR	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
9:15 AM	6.0	8.49	9.02	0.87	17.1	25.80	4.21	100	0.5	0.0	Clear	Molasses
9:20 AM	27.1	2.10	8.98	0.83	17.0	8.73	4.26	100	0.5	0.5	Clear	Molasses
9:25 AM	25.2	1.41	9.11	0.80	17.1	5.20	4.31	100	0.5	1.0	Clear	Molasses
9:30 AM	21.9	1.04	9.15	0.80	17.4	5.19	4.35	100	0.5	1.5	Clear	Molasses
9:35 AM	21.9	0.30	9.12	0.80	17.4	3.20	4.33	100	0.5	2.0	Clear	Molasses
9:40 AM	20.1	0.28	9.15	0.80	17.5	2.97	4.35	100	0.5	2.5	Clear	Molasses
9:45 AM	19.1	0.26	9.12	0.80	17.6	2.92	4.35	100	0.5	3.0	Clear	Molasses
9:50 AM	18.8	0.26	9.10	0.81	17.6	2.61	4.35	100	0.5	3.5	Clear	Molasses
9:55 AM	20.9	0.25	9.06	0.81	17.8	2.18	4.35	100	0.5	4.0	Clear	Molasses
10:00 AM	20.0	0.25	9.04	0.81	17.9	2.28	4.35	100	0.5	4.5	Clear	Molasses
10:05 AM	19.9	0.25	9.01	0.82	17.9	2.09	4.35	100	0.5	5.0	Clear	Molasses

AECOM

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Project #: 60732743

Site: Garfield Avenue group of sites

Event: 2024-NOV-P4-WBEDROCK

Sample Information			
Sample ID:	114-PZ-52WR-74-20241104	Date:	11/4/2024 11:40:00 AM
Well ID:	114-PZ-52WR	Location Type:	MW
Duplicate ID:		Sampler:	Sayra Reyes
Equipment:	Headspace meter: MiniRAE 3000 # Field param meter: YSI Pro Plus # WL/int meter: Solinst 101 # 25667		
Analysis: Cr(VI), pH, ORP (unfiltered), Cr(unfiltered), Sulfate, Total Organic Carbon			
Bottle type: 2-500 mL, 250 mL, 60 mL		Preservative(s): Nitric acid (HNO3), HCL	
Comments:	Turbidity above 100 NTU; drawdown not stable at time of sample		

Well Inspection			
Well Located?	Yes	Well Diameter:	2
Pad Condition: N/A		Well Action Needed?	
Box Condition: N/A		Well Locked (if Stick-Up?)	N/A
Lid Condition:	good	Lid Type: N/A	
Cap Condition: N/A		Well Labeled?	yes
Notes:	52D no j plug		

Water Level			
Date:	11/4/2024 9:30:00 AM	Measured Well Depth:	76.00
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	9.30	Depth to LNAPL:	NE
Notes:	After purge start 10.1		

Purge Information			
Begin Date and Time:	11/4/2024 9:30:00 AM	End Date and Time:	11/4/2024 11:35:00 AM
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump : Peristaltic)	Sample Method:	
Notes:			

AECOM

GROUNDWATER SAMPLING LOG

Client: PPG Industries | Project #: 60732743

Site: Garfield Avenue group of sites | Event: 2024-NOV-P4-WBEDROCK

Sample Information			
Sample ID:	114-PZ-52WR-74-20241104	Date:	11/4/2024 11:40:00 AM
Well ID:	114-PZ-52WR	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
9:35 AM	-75.6	0.51	4.24	3.00	16.7	81.80	10.10	100	0.0	0.0	Dark amber	Slight
9:40 AM	-71.2	0.47	4.25	3.11	16.8	70.00	11.10	100	0.5	0.5	Dark amber	Moderat e
9:45 AM	-73.8	0.41	4.26	3.10	16.8	64.70	11.40	100	0.5	1.0	Dark amber	Molasse s like
9:50 AM	-65.2	0.34	4.27	3.09	16.9	67.40	12.10	100	0.5	1.5	Dark amber	Molasse s like
9:55 AM	-57.7	0.32	4.27	3.08	16.9	68.20	12.80	100	0.5	2.0	Dark amber	Molasse s like
10:00 AM	-57.5	0.29	4.26	3.07	16.9	72.60	13.30	100	0.5	2.5	Dark amber	Molasse s like
10:05 AM	-56.1	0.25	4.26	3.07	17.1	79.30	13.60	100	0.5	3.0	Dark amber	Molasse s like
10:10 AM	-56.8	0.23	4.26	3.05	16.8	82.80	14.00	100	0.5	3.5	Dark amber	Molasse s like
10:15 AM	-56.5	0.19	4.23	3.04	16.4	88.50	14.40	100	0.5	4.0	Dark amber	Molasse s like
10:20 AM	-55.9	0.21	4.24	3.05	16.5	95.00	15.00	100	0.5	4.5	Dark amber	Molasse s like
10:25 AM	-55.9	0.21	4.24	3.05	16.5	95.00	15.20	100	0.5	5.0	Dark amber	Molasse s like
10:30 AM	-50.5	0.17	4.24	2.95	16.8	131.00	15.40	100	0.5	5.5	Dark amber	Molasse s like
10:35 AM	-52.5	0.15	4.23	2.94	16.8	150.00	15.70	100	0.5	6.0	Dark amber	Molasse s like
10:40 AM	-55.3	0.14	4.25	2.87	16.5	153.00	16.00	100	0.5	6.5	Dark amber	Molasse s like
10:45 AM	-57.1	0.12	4.35	2.87	16.6	148.00	16.40	100	0.5	7.0	Dark amber	Molasse s like
10:50 AM	-59.2	0.13	4.25	2.87	16.6	151.00	16.70	100	0.5	7.5	Dark amber	Molasse s like
10:55 AM	-59.5	0.13	4.24	2.88	16.7	150.00	17.00	100	0.5	8.0	Dark amber	Molasse s like
11:00 AM	-59.1	0.12	4.24	2.88	16.8	157.00	17.30	100	0.5	8.5	Dark amber	Molasse s like
11:05 AM	-55.8	0.11	4.24	2.88	16.8	138.00	17.70	100	0.5	9.0	Dark amber	Molasse s like
11:10 AM	-54.0	0.11	4.22	2.91	17.0	108.00	18.00	100	0.5	9.5	Dark amber	Molasse s like
11:15 AM	-55.9	0.10	4.20	2.91	16.8	100.00	17.80	100	0.5	10.0	Dark amber	Molasse s like
11:20 AM	-58.2	0.11	4.20	2.88	16.6	105.00	17.80	100	0.5	10.5	Dark amber	Molasse s like
11:25 AM	-57.5	0.10	4.21	2.84	16.5	129.00	18.40	100	0.5	11.0	Dark amber	Molasse s like
11:30 AM	-55.6	0.11	4.22	2.78	16.5	171.00	18.90	100	0.5	11.5	Dark amber	Molasse s like

GROUNDWATER SAMPLING LOG

11:35 AM	-55.8	0.10	4.21	2.78	16.8	173.00	18.50	100	0.5	12.0	Dark amber	Molasses like

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #: 60732743	
Site:	Garfield Avenue group of sites	Event: 2024-NOV-P4-WBEDROCK	

Sample Information			
Sample ID:	114-PZ-66WR-84.0-20241106	Date:	11/6/2024 10:30:00 AM
Well ID:	114-PZ-66WR	Location Type:	MW
Duplicate ID:		Sampler:	ClarkM4
Equipment:	Headspace meter: MiniRAE 3000 # 592-917175 (1000-1262) Field param meter: 3510 # 21K103649 (3510-1350) WL/int meter: Solinst 101 # 251255 (3010-1118)		
Analysis:	Cr(VI), pH, ORP (unfiltered), Cr(unfiltered), Sulfate, Total Organic Carbon		
Bottle type: 2-500 mL, 250 mL, 60 mL		Preservative(s): Nitric acid (HNO3), HCL	
Comments:	All parameters stable.		

Well Inspection			
Well Located?	Yes	Well Diameter:	2
Pad Condition: N/A		Well Action Needed?	No
Box Condition: N/A		Well Locked (if Stick-Up?)	N/A
Lid Condition:	good	Lid Type: N/A	
Cap Condition: N/A		Well Labeled?	yes
Notes:			

Water Level			
Date:	11/6/2024 9:07:00 AM	Measured Well Depth:	85.67
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	5.18	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	11/6/2024 9:13:00 AM	End Date and Time:	11/6/2024 10:25:00 AM
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump : Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries | Project #: 60732743

Site: Garfield Avenue group of sites | Event: 2024-NOV-P4-WBEDROCK

Sample Information			
Sample ID:	114-PZ-66WR-84.0-20241106	Date:	11/6/2024 10:30:00 AM
Well ID:	114-PZ-66WR	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
9:15 AM	-76.3	1.79	6.11	4.89	20.7	115.00	5.19	100	0.5	0.5	Pale yellow	None
9:20 AM	-208.7	0.78	6.06	4.98	20.6	18.00	5.18	100	0.5	1.0	Pale yellow	None
9:25 AM	-220.1	0.68	6.06	4.98	20.4	14.90	5.17	100	0.5	1.5	Pale yellow	None
9:30 AM	-225.0	0.43	6.06	4.99	20.5	14.90	5.16	100	0.5	2.0	Pale yellow	None
9:35 AM	-230.7	0.29	6.05	5.00	20.6	14.80	5.15	100	0.5	2.5	Pale yellow	None
9:40 AM	-237.7	0.26	6.04	4.99	20.4	10.10	5.15	100	0.5	3.0	Pale yellow	None
9:45 AM	-239.7	0.21	6.04	5.00	20.5	7.24	5.14	100	0.5	3.5	Pale yellow	None
9:50 AM	-238.7	0.23	6.04	5.00	20.4	8.62	5.14	100	0.5	4.0	Pale yellow	None
9:55 AM	-244.4	0.21	6.04	4.99	20.8	6.61	5.16	100	0.5	4.5	Pale yellow	None
10:00 AM	-244.4	0.21	6.04	4.99	20.7	6.58	5.17	100	0.5	5.0	Pale yellow	None
10:05 AM	-239.6	0.19	6.03	4.99	20.6	5.92	5.19	100	0.5	5.5	Pale yellow	None
10:10 AM	-234.0	0.21	6.03	4.98	20.8	5.50	5.21	100	0.5	6.0	Pale yellow	None
10:15 AM	-233.9	0.17	6.02	4.97	20.8	4.21	5.30	100	0.5	6.5	Pale yellow	None
10:20 AM	-226.3	0.18	6.01	4.97	20.5	4.02	5.40	100	0.5	7.0	Pale yellow	None
10:25 AM	-224.0	0.17	6.01	4.95	20.7	3.98	5.41	100	0.5	7.5	Pale yellow	None

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #: 60732743	
Site:	Garfield Avenue group of sites	Event: 2024-DEC-P4-WBEDROCK	

Sample Information

Sample ID:	114-MW53C-48.0-20241205	Date:	12/5/2024 10:00:00 AM
Well ID:	114-MW53C	Location Type:	MW
Duplicate ID:		Sampler:	SalemI
Equipment:	NA		
Analysis:	Cr+6,Eh,pH(Unfiltered and Filtered),TCr(Unfiltered and Filtered),TOC,Sulfate, Ferrous Iron		
Comments:			

Well Inspection

Well Located?	Yes	Well Diameter:	2
Cap/J-Plug?:	NA	Well Action Needed?	NA
Lid Condition:	NA	Well Labeled?	NA
Ambient PID:	0 (ppmv)	Headspace PID:	0 (ppmv)
Notes:			

Water Level

Date:	12/5/2024 9:00:00 AM	Measured Well Depth:	48.45
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	6.99	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	12/5/2024 9:12:00 AM	End Date and Time:	12/5/2024 9:55:00 AM
Initial Pump Depth:	48	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Project #: 60732743

Site: Garfield Avenue group of sites

Event: 2024-DEC-P4-WBEDROCK

Sample Information			
Sample ID:	114-MW53C-48.0-20241205	Date:	12/5/2024 10:00:00 AM
Well ID:	114-MW53C	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
9:15 AM	-155.5	0.72	6.57	4.17	14.6	10.20	7.53	100	0.50	0.50	Yellow	Molasses
9:20 AM	-154.6	0.45	6.58	4.19	14.7	10.80	7.56	100	0.50	1.00	Yellow	Molasses
9:25 AM	-154.6	0.57	6.59	4.18	14.4	10.10	7.51	100	0.50	1.50	Yellow	Molasses
9:30 AM	-154.6	0.61	6.60	4.17	14.1	9.67	7.50	100	0.50	2.00	Yellow	Molasses
9:35 AM	-154.9	0.80	6.60	4.17	14.3	8.98	7.50	100	0.50	2.50	Yellow	Molasses
9:40 AM	-155.3	1.03	6.61	4.16	14.6	11.00	7.50	100	0.50	3.00	Yellow	Molasses
9:45 AM	-156.0	1.08	6.62	4.14	14.5	9.82	7.50	100	0.50	3.50	Yellow	Molasses
9:50 AM	-159.2	1.16	6.61	4.11	14.4	9.52	7.50	100	0.50	4.00	Yellow	Molasses
9:55 AM	-158.2	1.17	6.62	4.07	14.4	9.75	7.50	100	0.50	4.50	Yellow	Molasses

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #: 60732743	
Site:	Garfield Avenue group of sites	Event: 2024-DEC-P4-WBEDROCK	

Sample Information

Sample ID:	114-MW57C-70.9-20241206	Date:	12/6/2024 10:50:00 AM
Well ID:	114-MW57C	Location Type:	MW
Duplicate ID:		Sampler:	SabbakJ
Equipment:	Headspace meter: MiniRAE 3000 # 592-917175 Field param meter: YSI Pro Plus # 23K102390 WL/int meter: Geotech # 7221AL		
Analysis:	Cr+6,Eh,pH(Unfiltered and Filtered),TCr(Unfiltered and Filtered),TOC,Sulfate, Ferrous Iron		
Comments:	TOC, SO4, total chromium, hexavalent chromium, field filtered, total chromium and hexavalent chromium and ferrous iron		

Well Inspection

Well Located?	Yes	Well Diameter:	2
Cap/J-Plug?:	yes	Well Action Needed?	No
Lid Condition:	good	Well Labeled?	yes
Ambient PID:	0.3 (ppmv)	Headspace PID:	0.2 (ppmv)
Notes:			

Water Level

Date:	12/6/2024 8:47:00 AM	Measured Well Depth:	71.73
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	4.90	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	12/6/2024 8:55:00 AM	End Date and Time:	12/6/2024 10:45:00 AM
Initial Pump Depth:	70.9	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

AECOM

GROUNDWATER SAMPLING LOG

Client:	PPG Industries		Project #: 60732743
Site:	Garfield Avenue group of sites		Event: 2024-DEC-P4-WBEDROCK

Sample Information			
Sample ID:	114-MW57C-70.9-20241206	Date:	12/6/2024 10:50:00 AM
Well ID:	114-MW57C	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
9:00 AM	-22.9	1.08	6.73	4.35	9.3	37.20	5.00	175	0.25	0.25	yellow brown	None
9:05 AM	-76.2	0.83	5.82	4.34	9.7	21.90	5.12	175	0.25	0.50	Yellow brown	None
9:10 AM	-88.9	0.56	5.80	4.34	10.1	18.10	5.38	175	0.25	0.75	Yellow brown	None
9:15 AM	-98.9	0.34	5.82	4.40	9.6	13.20	5.52	175	0.25	1.00	Yellow brown	None
9:20 AM	-102.8	0.24	5.87	4.44	9.7	14.60	5.33	175	0.25	1.25	Yellow brown	None
9:25 AM	-109.6	0.18	5.87	4.55	10.0	15.70	5.25	175	0.25	1.50	Yellow brown	None
9:30 AM	-112.0	0.16	5.88	4.58	9.9	14.20	5.23	175	0.25	1.75	Yellow brown	None
9:35 AM	-116.1	0.13	5.96	4.64	9.5	15.90	5.20	175	0.25	2.00	Yellow brown	None
9:40 AM	-118.3	0.12	5.94	4.68	9.6	13.90	5.15	175	0.25	2.25	Yellow brown	None
9:45 AM	-123.4	0.11	5.92	4.70	9.9	12.50	5.12	175	0.25	2.50	Yellow brown	None
9:50 AM	-127.3	0.09	5.92	4.70	9.8	11.20	4.98	175	0.25	2.75	Yellow brown	None
9:55 AM	-129.7	0.10	5.93	4.69	9.8	10.60	4.95	175	0.25	3.00	Yellow brown	None
10:00 AM	-134.5	0.08	5.94	4.69	10.3	10.60	4.87	175	0.25	3.25	Yellow brown	None
10:05 AM	-138.9	0.08	5.92	4.68	10.0	10.70	4.79	175	0.25	3.50	Yellow brown	None
10:10 AM	-141.8	0.07	5.91	4.68	10.2	10.60	4.75	175	0.25	3.75	Yellow brown	None
10:15 AM	-145.0	0.07	5.92	4.68	10.2	10.50	4.75	175	0.25	4.00	Yellow brown	None
10:20 AM	-148.7	0.07	5.95	4.67	10.6	10.40	4.75	175	0.25	4.25	Yellow brown	None
10:25 AM	-151.7	0.06	5.93	4.67	10.4	10.30	4.75	175	0.25	4.50	Yellow brown	None
10:30 AM	-155.7	0.06	5.92	4.66	10.4	10.20	4.75	175	0.25	4.75	Yellow brown	None
10:35 AM	-158.0	0.05	5.93	4.65	10.9	9.99	4.75	175	0.25	5.00	Yellow brown	None
10:40 AM	-160.4	0.05	5.95	4.64	11.2	9.98	7.75	175	0.25	5.25	Yellow brown	None
10:45 AM	-161.1	0.05	5.93	4.66	11.3	9.93	7.75	175	0.25	5.50	Yellow brown	None

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #: 60732743	
Site:	Garfield Avenue group of sites	Event: 2024-DEC-P4-WBEDROCK	

Sample Information

Sample ID:	114-MW75WR-118.0-20241204	Date:	12/4/2024 1:55:00 PM
Well ID:	114-MW75WR	Location Type:	MW
Duplicate ID:		Sampler:	Boyleg
Equipment:	Headspace meter: MiniRAE 3000 # 592-601158 Field param meter: YSI PRO QUATRO # 23K104281 WL/int meter: Geotech # 6690AL		
Analysis:	Cr+6,Eh,pH(Unfiltered and Filtered),TCr(Unfiltered and Filtered),TOC,Sulfate,Ferrous Iron		
Comments:	All parameters stabilized and ferrous iron is collected		

Well Inspection

Well Located?	Yes	Well Diameter:	2
Cap/J-Plug?:	yes	Well Action Needed?	No
Lid Condition:	good	Well Labeled?	yes
Ambient PID:	0 (ppmv)	Headspace PID:	14 (ppmv)
Notes:			

Water Level

Date:	12/4/2024 12:12:00 PM	Measured Well Depth:	120.70
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	5.36	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	12/4/2024 12:19:00 PM	End Date and Time:	12/4/2024 1:50:00 PM
Initial Pump Depth:	118	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:	Dec 4 2024 1:00PM YSI died missed reading		

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Project #: 60732743

Site: Garfield Avenue group of sites

Event: 2024-DEC-P4-WBEDROCK

Sample Information			
Sample ID:	114-MW75WR-118.0-20241204	Date:	12/4/2024 1:55:00 PM
Well ID:	114-MW75WR	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
12:25 PM	-239.3	0.83	7.15	1.95	10.3	7.32	5.43	100	0.50	0.00	Clear	Mild
12:30 PM	-264.4	1.59	7.22	1.96	11.7	258.00	5.44	100	0.50	0.50	Clear	Mild
12:35 PM	-266.4	1.84	7.35	1.94	12.2	107.00	5.44	100	0.50	1.00	Clear/ black specks	Mild
12:40 PM	-270.5	2.07	7.38	1.93	12.3	48.50	5.46	100	0.50	1.50	Clear cloudy	Mild
12:45 PM	-269.2	2.22	7.35	1.96	12.1	24.10	5.46	100	0.50	2.00	Clear cloudy	Mild
12:50 PM	-268.5	2.32	7.35	1.98	12.1	17.00	5.46	100	0.50	2.50	Clear	Mild
1:00 PM	-268.3	2.59	7.30	2.00	12.1	14.10	5.47	100	0.50	3.50	Clear	Mild
1:05 PM	-268.5	2.45	7.34	2.01	12.7	12.30	5.45	100	0.50	4.00	Clear	Mild
1:10 PM	-268.7	2.56	7.34	2.03	12.3	12.10	5.46	100	0.50	4.50	Clear	Mild
1:15 PM	-265.7	2.52	7.26	2.03	12.0	10.60	5.46	100	0.50	5.00	Clear	Mild
1:20 PM	-265.7	2.46	7.28	2.03	12.3	8.46	5.46	100	0.50	5.50	Clear	Mild
1:25 PM	-265.4	2.52	7.28	2.04	12.0	7.64	5.46	100	0.50	6.00	Clear	Mild
1:30 PM	-264.4	2.41	7.28	2.04	12.1	6.64	5.46	100	0.50	6.50	Clear	Mild
1:35 PM	-264.5	2.36	7.30	2.04	12.4	5.80	5.46	100	0.50	7.00	Clear	Mild
1:40 PM	-264.0	2.43	7.31	2.04	11.8	3.71	5.46	100	0.50	7.50	Clear	Mild
1:45 PM	-263.6	2.40	7.33	2.05	12.0	4.04	5.46	100	0.50	8.00	Clear	Mild
1:50 PM	-263.2	2.38	7.33	2.05	11.9	3.87	5.46	100	0.50	8.50	Clear	Mild

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #: 60732743	
Site:	Garfield Avenue group of sites	Event: 2024-DEC-P4-WBEDROCK	

Sample Information			
Sample ID:	114-MW76WR-57.0-20241205	Date:	12/5/2024 12:55:00 PM
Well ID:	114-MW76WR	Location Type:	MW
Duplicate ID:		Sampler:	SalemI
Equipment:	NA		
Analysis:	Cr+6,Eh,pH(Unfiltered and Filtered),TCr(Unfiltered and Filtered),TOC,Sulfate		
Comments:			

Well Inspection			
Well Located?	Yes	Well Diameter:	4
Cap/J-Plug?:		Well Action Needed?	
Lid Condition:		Well Labeled?	
Ambient PID:	0 (ppmv)	Headspace PID:	0 (ppmv)
Notes:			

Water Level			
Date:	12/5/2024 11:51:00 AM	Measured Well Depth:	65.75
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	4.82	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	12/5/2024 11:57:00 AM	End Date and Time:	12/5/2024 12:50:00 PM
Initial Pump Depth:	57	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Site: Garfield Avenue group of sites

Project #: 60732743

Event: 2024-DEC-P4-WBEDROCK

Sample Information			
Sample ID:	114-MW76WR-57.0-20241205	Date:	12/5/2024 12:55:00 PM
Well ID:	114-MW76WR	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
12:00 PM	-181.0	3.13	12.00	3.64	12.6	13.10	5.22	100	0.50	0.50	Yellow	None
12:05 PM	-168.3	1.49	12.05	3.64	13.0	10.30	5.45	100	0.50	1.00	Yellow	None
12:10 PM	-164.2	1.17	12.04	3.65	12.8	11.40	5.62	100	0.50	1.50	Yellow	None
12:15 PM	-158.7	0.67	12.05	3.70	11.6	6.32	5.80	100	0.50	2.00	Yellow	None
12:20 PM	-152.8	0.47	12.06	3.67	11.5	6.78	6.21	100	0.50	2.50	Yellow	None
12:25 PM	-152.0	0.31	12.06	3.67	12.1	5.62	6.34	100	0.50	3.00	Yellow	None
12:30 PM	-154.0	0.22	12.08	3.65	12.4	2.48	6.52	100	0.50	3.50	Yellow	None
12:35 PM	-148.7	0.19	12.05	3.67	12.4	3.78	6.70	100	0.50	4.00	Yellow	None
12:40 PM	-149.0	0.16	12.06	3.67	12.7	3.49	6.89	100	0.50	4.50	Yellow	None
12:45 PM	-146.3	0.14	12.05	3.69	12.3	3.53	7.19	100	0.50	5.00	Yellow	None
12:50 PM	-145.1	0.13	12.05	3.64	12.3	3.33	7.33	100	0.50	5.50	Yellow	None

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #:	60732743
Site:	Garfield Avenue group of sites	Event:	2024-DEC-P4-WBEDROCK

Sample Information

Sample ID:	114-MW78WR-81.0-20241205	Date:	12/5/2024 12:25:00 PM
Well ID:	114-MW78WR	Location Type:	MW
Duplicate ID:		Sampler:	SabbakJ
Equipment:	Headspace meter: MiniRAE 3000 # 592-917175 Field param meter: YSI Pro Plus # 23K102390 WL/int meter: Geotech # 7221AL		
Analysis:	Cr+6,Eh,pH(Unfiltered and Filtered),TCr(Unfiltered and Filtered),TOC,Sulfate		
Comments:	TOC, SO4, total CR hexavalent CR, FF total CR hexavalent Cr ms/msd collection		

Well Inspection

Well Located?	Yes	Well Diameter:	4
Cap/J-Plug?:	yes	Well Action Needed?	No
Lid Condition:	good	Well Labeled?	yes
Ambient PID:	0.2 (ppmv)	Headspace PID:	0.2 (ppmv)
Notes:			

Water Level

Date:	12/5/2024 11:41:00 AM	Measured Well Depth:	84.80
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	4.80	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	12/5/2024 11:41 AM	End Date and Time:	12/5/2024 12:20 PM
Initial Pump Depth:	81	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

AECOM

Client: PPG Industries

Site: Garfield Avenue group of sites

Project #: 60732743

Event: 2024-DEC-P4-WBEDROCK

Sample Information			
Sample ID:	114-MW78WR-81.0-20241205	Date:	12/5/2024 12:25:00 PM
Well ID:	114-MW78WR	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
11:45 AM	-44.1	1.28	11.50	1.53	13.1	4.67	5.12	175	0.25	0.25	Clear	None
11:50 AM	-76.9	0.71	11.57	1.70	13.5	3.85	5.21	175	0.25	0.50	Clear	None
11:55 AM	-140.9	0.37	11.56	1.78	14.1	3.87	5.76	200	0.30	0.75	Clear	None
12:00 PM	-150.2	0.33	11.55	1.78	14.1	3.88	6.05	200	0.30	1.00	Clear	None
12:05 PM	-160.8	0.27	11.53	1.77	14.4	3.89	6.10	200	0.30	1.25	Clear	None
12:10 PM	-169.9	0.25	11.53	1.76	14.2	3.87	6.10	200	0.30	1.50	Clear	None
12:15 PM	-176.9	0.24	11.52	1.76	14.0	3.88	6.10	200	0.30	1.75	Clear	None
12:20 PM	-177.3	0.22	11.50	1.74	14.0	3.84	6.10	200	0.30	2.00	Clear	None

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #: 60732743	
Site:	Garfield Avenue group of sites	Event: 2024-DEC-P4-WBEDROCK	

Sample Information			
Sample ID:	114-MW79WR-78.0-20241204	Date:	12/4/2024 1:35:00 PM
Well ID:	114-MW79WR	Location Type:	MW
Duplicate ID:		Sampler:	SabbakJ
Equipment:	Headspace meter: MiniRAE 3000 # 592-917175 Field param meter: YSI Pro Plus # 23K102390 WL/int meter: Geotech # 7221AL		
Analysis:	Cr+6,Eh,pH(Unfiltered and Filtered),TCr(Unfiltered and Filtered),TOC,Sulfate		
Comments:	TOC, S04, total chromium, hexavalent chromium, field filtered total chromium, and hexavalent chromium		

Well Inspection			
Well Located?	Yes	Well Diameter:	4
Cap/J-Plug?:	yes	Well Action Needed?	No
Lid Condition:	good	Well Labeled?	yes
Ambient PID:	0 (ppmv)	Headspace PID:	0 (ppmv)
Notes:			

Water Level			
Date:	12/4/2024 11:27:00 AM	Measured Well Depth:	86.80
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	1.88	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	12/4/2024 11:30:00 AM	End Date and Time:	12/4/2024 1:30:00 PM
Initial Pump Depth:	78	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

AECOM

Client:	PPG Industries	Project #:	60732743
Site:	Garfield Avenue group of sites	Event:	2024-DEC-P4-WBEDROCK

Sample Information			
Sample ID:	114-MW79WR-78.0-20241204	Date:	12/4/2024 1:35:00 PM
Well ID:	114-MW79WR	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
11:30 AM	-180.2	1.32	5.62	4.44	12.7	34.70	1.97	200	0.30	0.30	Brown	Molasses
11:35 AM	-185.0	0.98	5.63	4.27	12.9	25.60	2.10	200	0.30	0.60	Brown	Molasses
11:40 AM	-209.1	0.20	5.67	4.06	12.9	26.00	2.20	200	0.30	0.90	Brown	Molasses
11:45 AM	-219.2	0.12	5.66	4.00	13.3	25.80	2.22	200	0.30	1.20	Light brown	Molasses
11:50 AM	-228.4	0.08	5.69	4.01	13.7	26.20	2.23	200	0.30	1.50	Light brown	Molasses
11:55 AM	-232.5	0.07	5.68	4.02	13.5	25.60	2.24	200	0.30	1.80	Light brown	Molasses
12:00 PM	-234.4	0.06	5.64	4.08	13.2	24.40	2.25	200	0.30	2.10	Light brown	Molasses
12:05 PM	-236.3	0.06	5.68	4.09	13.0	23.90	2.17	200	0.30	2.40	Light brown	Molasses
12:10 PM	-234.9	0.06	5.66	4.10	13.1	23.70	2.08	200	0.30	2.70	Light brown	Molasses
12:15 PM	-235.6	0.05	5.66	4.13	12.9	22.50	2.01	200	0.30	3.00	Light brown	Molasses
12:20 PM	-238.5	0.04	5.72	4.17	12.7	26.90	1.99	200	0.30	3.30	Light brown	Molasses
12:25 PM	-239.3	0.04	5.68	4.13	12.8	27.00	1.97	200	0.30	3.60	Light brown	Molasses
12:30 PM	-243.8	0.04	5.67	4.03	12.8	27.30	1.96	200	0.30	3.90	Light brown	Molasses
12:35 PM	-246.3	0.04	5.69	4.05	12.3	28.10	1.89	200	0.30	4.20	Light brown	Molasses
12:40 PM	-246.7	0.05	5.67	4.07	12.3	27.90	1.85	200	0.30	4.50	Light brown	Molasses
12:45 PM	-245.7	0.05	5.68	4.09	12.2	28.70	1.82	200	0.30	4.80	Light brown	Molasses
12:50 PM	-244.2	0.05	5.67	4.16	12.2	28.90	1.75	200	0.30	5.10	Light brown	Molasses
12:55 PM	-242.4	0.05	5.68	4.17	12.1	29.00	1.70	200	0.30	5.40	Light brown	Molasses
1:00 PM	-240.6	0.04	5.71	4.17	12.0	29.50	1.64	200	0.30	5.70	Light brown	Molasses
1:05 PM	-239.9	0.05	5.67	4.17	12.4	32.90	1.59	200	0.30	6.00	Light brown	Molasses
1:10 PM	-240.2	0.04	5.66	4.17	12.6	31.70	1.54	200	0.30	6.30	Light brown	Molasses
1:15 PM	-240.5	0.04	5.66	4.17	12.6	34.30	1.50	200	0.30	6.60	Light brown	Molasses
1:20 PM	-238.8	0.04	5.68	4.16	12.0	37.30	1.51	200	0.30	6.90	Light brown	Molasses
1:25 PM	-237.9	0.05	5.63	4.16	12.0	38.20	1.50	200	0.30	7.20	Light brown	Molasses

GROUNDWATER SAMPLING LOG

1:30 PM	-237.7	0.05	5.66	4.16	12.0	38.70	1.49	200	0.30	7.50	Light brown	Molasses

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #: 60732743	
Site:	Garfield Avenue group of sites	Event: 2024-DEC-P4-WBEDROCK	

Sample Information			
Sample ID:	114-MW80WR-91.5-20241205	Date:	12/5/2024 10:20:00 AM
Well ID:	114-MW80WR	Location Type:	MW
Duplicate ID:		Sampler:	SabbakJ
Equipment:	Headspace meter: MiniRAE 3000 # 592-917175 Field param meter: YSI Pro Plus # 23K102390 WL/int meter: Geotech # 7221AL		
Analysis:	Cr+6,Eh,pH(Unfiltered and Filtered),TCr(Unfiltered and Filtered),TOC,Sulfate		
Comments:	TOC, S04, total chromium, hexavalent chromium, field filtered, total, chromium, and hexavalent chromium		

Well Inspection			
Well Located?	Yes	Well Diameter:	4
Cap/J-Plug?:	yes	Well Action Needed?	No
Lid Condition:	good	Well Labeled?	yes
Ambient PID:	0 (ppmv)	Headspace PID:	0 (ppmv)
Notes:			

Water Level			
Date:	12/5/2024 8:56:00 AM	Measured Well Depth:	93.85
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	3.40	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	12/5/2024 9:05:00 AM	End Date and Time:	12/5/2024 10:15:00 AM
Initial Pump Depth:	91.5	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

AECOM

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Site: Garfield Avenue group of sites

Project #: 60732743

Event: 2024-DEC-P4-WBEDROCK

Sample Information			
Sample ID:	114-MW80WR-91.5-20241205	Date:	12/5/2024 10:20:00 AM
Well ID:	114-MW80WR	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
9:05 AM	30.2	0.89	9.02	0.97	13.1	8.43	3.74	200	0.30	0.30	Clear	None
9:10 AM	29.5	0.39	9.11	0.95	13.4	7.15	3.80	200	0.30	0.60	Clear	None
9:15 AM	17.4	0.28	9.16	0.94	13.1	6.97	3.83	200	0.30	0.90	Clear	None
9:20 AM	-3.9	0.27	9.19	0.93	13.2	5.18	3.85	200	0.30	1.20	Clear	None
9:25 AM	-15.2	0.26	9.20	0.93	13.2	5.00	3.85	200	0.30	1.50	Clear	None
9:30 AM	-33.3	0.26	9.21	0.93	13.2	4.98	3.85	200	0.30	1.80	Clear	None
9:35 AM	-50.9	0.29	9.24	0.93	13.3	4.45	3.84	200	0.30	2.10	Clear	None
9:40 AM	-72.4	0.29	9.22	0.93	13.5	4.30	3.85	200	0.30	2.40	Clear	None
9:45 AM	-96.7	0.30	9.19	0.94	13.2	3.87	3.85	200	0.30	2.70	Clear	None
9:50 AM	-110.3	0.35	9.18	0.94	13.4	3.49	3.85	200	0.30	3.00	Clear	None
9:55 AM	-132.6	0.32	9.18	0.94	13.2	3.26	3.85	200	0.30	3.30	Clear	None
10:00 AM	-145.8	0.16	9.20	0.93	13.7	3.20	3.85	200	0.30	3.60	Clear	None
10:05 AM	-159.8	0.13	9.17	0.95	13.6	3.22	3.85	200	0.30	3.90	Clear	None
10:10 AM	-165.9	0.14	9.11	0.95	13.2	3.18	3.85	200	0.30	4.20	Clear	None
10:15 AM	-167.9	0.14	9.09	0.95	13.3	3.12	3.85	200	0.30	4.50	Clear	None

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #: 60732743	
Site:	Garfield Avenue group of sites	Event: 2024-DEC-P4-WBEDROCK	

Sample Information			
Sample ID:	114-PZ-52WR-74.0-20241204	Date:	12/4/2024 1:45:00 PM
Well ID:	114-PZ-52WR	Location Type:	MW
Duplicate ID:		Sampler:	SalemI
Equipment:	NA		
Analysis:	Cr+6,Eh,pH(Unfiltered and Filtered),TCr(Unfiltered and Filtered),TOC,Sulfate,Ferrous Iron		
Comments:			

Well Inspection			
Well Located?	Yes	Well Diameter:	2
Cap/J-Plug?:	yes	Well Action Needed?	No
Lid Condition:	good	Well Labeled?	yes
Ambient PID:	0 (ppmv)	Headspace PID:	0.6 (ppmv)
Notes:			

Water Level			
Date:	12/4/2024 11:51:00 AM	Measured Well Depth:	75.97
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	7.43	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	12/4/2024 11:40 AM	End Date and Time:	12/4/2024 1:40 PM
Initial Pump Depth:	74	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Site: Garfield Avenue group of sites

Project #: 60732743

Event: 2024-DEC-P4-WBEDROCK

Sample Information			
Sample ID:	114-PZ-52WR-74.0-20241204	Date:	12/4/2024 1:45:00 PM
Well ID:	114-PZ-52WR	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
11:40 AM	27.6	1.22	4.27	3.55	12.9	99.20	7.43	100	0.50	0.50	Caramel	Molasses
11:45 AM	-3.2	0.23	4.22	3.56	13.9	83.80	8.40	100	0.50	1.00	Caramel	Molasses
11:50 AM	-21.4	0.25	4.21	3.46	14.2	77.10	9.63	100	0.50	1.50	Caramel	Molasses
11:55 AM	-37.5	0.20	4.22	3.32	14.0	75.10	10.79	100	0.50	2.00	Caramel	Molasses
12:00 PM	-42.4	0.20	4.21	3.29	13.9	88.10	11.90	100	0.50	2.50	Caramel	Molasses
12:05 PM	-48.9	0.22	4.21	3.26	13.5	75.70	12.45	100	0.50	3.00	Caramel	Molasses
12:10 PM	-51.3	0.22	4.21	3.30	13.1	84.80	13.34	100	0.50	3.50	Caramel	Molasses
12:15 PM	-53.2	0.22	4.21	3.32	13.7	89.90	13.68	100	0.50	4.00	Caramel	Molasses
12:20 PM	-56.5	0.23	4.22	3.36	12.5	87.10	13.85	100	0.50	4.50	Caramel	Molasses
12:25 PM	-57.9	0.23	4.22	3.39	12.8	85.30	14.10	100	0.50	5.00	Caramel	Molasses
12:30 PM	-59.7	0.23	4.21	3.39	12.8	92.20	14.30	100	0.50	5.50	Caramel	Molasses
12:35 PM	-62.3	0.21	4.21	3.33	13.1	82.30	14.59	100	0.50	6.00	Caramel	Molasses
12:40 PM	-62.7	0.22	4.20	3.47	12.8	101.00	14.81	100	0.50	6.50	Caramel	Molasses
12:45 PM	-64.7	0.22	4.20	3.37	12.1	120.00	14.87	100	0.50	7.00	Caramel	Molasses
12:50 PM	-66.1	0.22	4.20	3.32	12.1	111.00	14.90	100	0.50	7.50	Caramel	Molasses
12:55 PM	-64.1	0.21	4.20	3.35	12.3	105.00	14.95	100	0.50	8.00	Caramel	Molasses
1:00 PM	-63.9	0.21	4.19	3.46	12.2	101.00	15.01	100	0.50	8.50	Caramel	Molasses
1:05 PM	-63.5	0.20	4.19	3.46	12.1	99.10	15.05	100	0.50	9.00	Caramel	Molasses
1:10 PM	-63.5	0.19	4.19	3.47	12.3	124.00	15.11	100	0.50	9.50	Caramel	Molasses
1:15 PM	-64.2	0.19	4.18	3.57	12.5	111.00	15.13	100	0.50	10.00	Caramel	Molasses
1:20 PM	-62.7	0.20	4.18	3.75	12.2	90.80	15.15	100	0.50	10.50	Caramel	Molasses
1:25 PM	-65.2	0.19	4.19	3.55	12.2	92.30	15.16	100	0.50	11.00	Caramel	Molasses
1:30 PM	-62.7	0.18	4.19	3.62	12.1	121.00	15.17	100	0.50	11.50	Caramel	Molasses
1:35 PM	-65.2	0.19	4.19	3.63	11.9	114.00	15.17	100	0.50	12.00	Caramel	Molasses

GROUNDWATER SAMPLING LOG

1:40 PM	-64.3	0.19	4.19	3.63	12.1	111.00	15.17	100	0.50	12.50	Caramel	Molasses

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #: 60732743	
Site:	Garfield Avenue group of sites	Event: 2024-DEC-P4-WBEDROCK	

Sample Information

Sample ID:	114-PZ-66WR-84.0-20241206	Date:	12/6/2024 9:30:00 AM
Well ID:	114-PZ-66WR	Location Type:	MW
Duplicate ID:		Sampler:	SalemI
Equipment:	NA		
Analysis:	Cr+6,Eh,pH(Unfiltered and Filtered),TCr(Unfiltered and Filtered),TOC,Sulfate, Ferrous Iron		
Comments:			

Well Inspection

Well Located?	Yes	Well Diameter:	2
Cap/J-Plug?:	yes	Well Action Needed?	No
Lid Condition:	good	Well Labeled?	yes
Ambient PID:	0 (ppmv)	Headspace PID:	0 (ppmv)
Notes:			

Water Level

Date:	12/6/2024 8:56:00 AM	Measured Well Depth:	85.90
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	7.40	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	12/6/2024 8:55 AM	End Date and Time:	12/6/2024 9:25 AM
Initial Pump Depth:	84	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries | Project #: 60732743

Site: Garfield Avenue group of sites | Event: 2024-DEC-P4-WBEDROCK

Sample Information			
Sample ID:	114-PZ-66WR-84.0-20241206	Date:	12/6/2024 9:30:00 AM
Well ID:	114-PZ-66WR	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
8:55 AM	-106.7	2.86	5.85	4.63	11.8	12.70	7.40	100	0.50	0.50	Yellow	Molasses
9:00 AM	-111.4	0.57	5.85	5.02	12.4	12.10	7.50	100	0.50	1.00	Yellow	Molasses
9:05 AM	-113.7	0.53	5.86	5.64	12.6	11.30	7.19	100	0.50	1.50	Yellow	Molasses
9:10 AM	-118.0	0.34	5.82	5.82	12.6	7.49	7.10	100	0.50	2.00	Yellow	Molasses
9:15 AM	-123.1	0.31	5.81	4.63	12.4	7.24	7.05	100	0.50	2.50	Yellow	Molasses
9:20 AM	-127.6	0.29	5.82	4.63	12.7	6.69	7.05	100	0.50	3.00	Yellow	Molasses
9:25 AM	-130.0	0.28	5.82	4.63	13.0	6.26	7.05	100	0.50	3.50	Yellow	Molasses

GROUNDWATER SAMPLING LOG

Client:	PPG Industries		Project #: 60732743
Site:	Garfield Avenue group of sites		Event: 2024-DEC-BEDROCK

Sample Information

Sample ID:	114-MW58C-R-84.5-20241213	Date:	12/13/2024 11:05:00 AM
Well ID:	114-MW58C-R	Location Type:	MW
Duplicate ID:		Sampler:	SabbakJ
Equipment:	Headspace meter: MiniRAE 3000 # Field param meter: YSI Pro Plus # WL/int meter: Solinst 101 #		
Analysis:	Cr+6,Eh,pH(Unfiltered),TCr(Unfiltered),TOC,Sulfate, Ferrous Iron		
Comments:	TOC, SO4, total chromium, hexavalent chromium, field filtered ferrous iron		

Well Inspection

Well Located?	Yes	Well Diameter:	2
Cap/J-Plug?:	yes	Well Action Needed?	No
Lid Condition:	good	Well Labeled?	yes
Ambient PID:	0 (ppmv)	Headspace PID:	0 (ppmv)
Notes:	Missing 1 bolt		

Water Level

Date:	12/13/2024 8:47:00 AM	Measured Well Depth:	87.54
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	4.42	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	12/13/2024 8:55:00 AM	End Date and Time:	12/13/2024 11:00:00 AM
Initial Pump Depth:	84.5	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method: Low flow (pump type: Bladder)	
Notes:			

GROUNDWATER SAMPLING LOG

AECOM

Client: PPG Industries

Site: Garfield Avenue group of sites

Project #: 60732743

Event: 2024-DEC-BEDROCK

Sample Information			
Sample ID:	114-MW58C-R-84.5-20241213	Date:	12/13/2024 11:05:00 AM
Well ID:	114-MW58C-R	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
9:00 AM	151.4	1.30	11.47	0.53	11.6	10.70	4.87	250	0.30	0.30	Clear	None
9:05 AM	167.0	1.46	11.26	0.47	11.8	10.30	4.96	250	0.30	0.60	Clear	None
9:10 AM	142.4	0.93	11.58	0.64	11.9	16.80	519.00	250	0.30	0.90	Clear	None
9:15 AM	127.8	2.56	11.25	0.56	13.6	23.30	5.35	250	0.30	1.20	Clear	None
9:20 AM	114.2	1.81	11.51	0.62	13.6	10.90	5.18	250	0.30	1.50	Clear	None
9:25 AM	107.7	1.50	11.51	0.71	13.8	6.32	5.08	250	0.30	1.80	Clear	None
9:30 AM	93.5	1.26	11.57	0.88	13.9	5.03	5.08	250	0.30	2.10	Clear	None
9:35 AM	88.9	1.22	11.61	0.98	13.7	3.10	5.08	250	0.30	2.40	Clear	None
9:40 AM	77.0	1.00	11.61	1.04	13.8	2.12	5.08	250	0.30	2.70	Clear	None
9:45 AM	68.0	0.78	11.60	1.05	13.9	2.00	5.08	250	0.30	3.00	Clear	None
9:50 AM	60.4	0.73	11.60	1.05	13.9	1.98	5.08	250	0.30	3.30	Clear	None
9:55 AM	54.0	0.53	11.57	1.05	14.0	1.94	5.08	250	0.30	3.60	Clear	None
10:00 AM	43.6	0.44	11.55	1.04	14.0	1.43	5.08	250	0.30	3.90	Clear	None
10:05 AM	37.6	0.47	11.53	1.02	13.9	1.22	5.08	250	0.30	4.20	Clear	None
10:10 AM	29.4	0.36	11.51	1.01	14.0	1.12	5.08	250	0.30	4.50	Clear	None
10:15 AM	15.0	0.31	11.46	0.99	14.0	1.00	5.08	250	0.30	4.80	Clear	None
10:20 AM	4.1	0.33	11.44	0.98	13.8	0.96	5.08	250	0.30	5.10	Clear	None
10:25 AM	-7.2	0.32	11.40	0.96	13.9	0.92	5.08	250	0.30	5.40	Clear	None
10:30 AM	-15.8	0.28	11.37	0.96	14.0	0.89	5.08	250	0.30	5.70	Clear	None
10:35 AM	-35.7	0.21	11.31	0.93	13.8	0.67	5.08	250	0.30	6.00	Clear	None
10:40 AM	-46.7	0.25	11.27	0.92	14.0	0.51	5.08	250	0.30	6.30	Clear	None
10:45 AM	-52.5	0.18	11.26	0.91	14.0	0.44	5.08	250	0.30	6.60	Clear	None
10:50 AM	-61.3	0.20	11.16	0.89	14.1	0.80	5.08	250	0.30	6.90	Clear	None
10:55 AM	-63.4	0.17	11.13	0.88	14.0	0.39	5.08	250	0.30	7.20	Clear	None
11:00 AM	-64.8	0.19	11.10	0.88	14.1	0.28	5.08	250	0.30	7.50	Clear	None

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #: 60732743	
Site:	Garfield Avenue group of sites	Event: 2024-DEC-BEDROCK	

Sample Information

Sample ID:	114-MW60C-R-117.5-20241218	Date:	12/18/2024 1:35:00 PM
Well ID:	114-MW60C-R	Location Type:	MW
Duplicate ID:		Sampler:	SabbakJ
Equipment:	Headspace meter: MiniRAE 3000 # 592-914247 Field param meter: YSI Pro Plus # WL/int meter: Solinst 101 # 530544		
Analysis:			
Comments:	TOC, SO4, total chromium, hexavalent, chromium, and ferrous iron		

Well Inspection

Well Located?	Yes	Well Diameter:	2
Cap/J-Plug?:	yes	Well Action Needed?	No
Lid Condition:	good	Well Labeled?	yes
Ambient PID:	0 (ppmv)	Headspace PID:	0 (ppmv)
Notes:			

Water Level

Date:	12/18/2024 12:10:00 PM	Measured Well Depth:	NM
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	4.23	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	12/18/2024 12:20:00 PM	End Date and Time:	12/18/2024 1:30:00 PM
Initial Pump Depth:	117.5	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method: Low flow (pump type: Bladder)	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Site: Garfield Avenue group of sites

Project #: 60732743

Event: 2024-DEC-BEDROCK

Sample Information			
Sample ID:	114-MW60C-R-117.5-20241218	Date:	12/18/2024 1:35:00 PM
Well ID:	114-MW60C-R	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
12:20 PM	21.9	2.76	11.00	0.38	14.8	12.50	4.05	175	0.20	0.20	Clear	Nine
12:25 PM	14.3	2.63	11.08	0.43	14.5	11.90	4.08	175	0.20	0.40	Clear	None
12:30 PM	12.8	1.87	11.37	0.71	15.0	5.80	4.15	175	0.20	0.60	Clear	None
12:35 PM	-7.3	1.13	11.63	1.18	15.1	4.12	4.20	175	0.20	0.80	Clear	None
12:40 PM	-19.0	0.96	11.74	1.50	15.2	3.29	4.23	175	0.20	1.00	Clear	None
12:45 PM	-32.1	0.87	11.82	1.88	15.2	3.18	4.23	175	0.20	1.20	Clear	None
12:50 PM	-43.4	0.71	11.86	2.13	15.3	3.02	4.23	175	0.20	1.40	Clear	None
12:55 PM	-52.9	0.68	11.89	2.24	15.3	2.98	4.23	175	0.20	1.60	Clear	None
1:00 PM	-58.7	0.64	11.91	2.30	15.4	2.24	4.23	175	0.20	1.80	Clear	None
1:05 PM	-67.7	0.57	11.93	2.50	15.4		4.23	175	0.20	2.00		
1:10 PM	-73.8	0.52	11.95	2.75	15.3	1.12	4.23	175	0.20	2.20	Clear	None
1:15 PM	-78.6	0.51	11.99	3.09	15.3	1.01	4.23	175	0.20	2.40	Clear	None
1:20 PM	-84.3	0.47	12.02	3.50	15.4	0.97	4.23	175	0.20	2.60	Clear	None
1:25 PM	-88.9	0.44	12.03	3.51	15.4	0.86	4.23	175	0.20	2.80	Clear	None
1:30 PM	-93.7	0.46	12.05	3.55	15.6	0.95	4.23	175	0.20	3.00	Clear	None

GROUNDWATER SAMPLING LOG

Client:	PPG Industries		Project #: 60732743
Site:	Garfield Avenue group of sites		Event: 2024-DEC-BEDROCK

Sample Information

Sample ID:	114-MW61D-117.0-20241213	Date:	12/13/2024 11:35:00 AM
Well ID:	114-MW61D	Location Type:	MW
Duplicate ID:		Sampler:	Sayra Reyes
Equipment:	Headspace meter: MiniRAE 3000 # 592-914247 (1000-1301) Field param meter: 23K104279 # 23K104279 WL/int meter: Solinst 101 # 518505 (3010-1369)		
Analysis:	Cr+6,Eh,pH(Unfiltered),TCr(Unfiltered),TOC,Sulfate, Ferrous Iron		
Comments:	All parameters but DO stabilized. Required 2hr purge reached turbidity stabilized.		

Well Inspection

Well Located?	Yes	Well Diameter:	2
Cap/J-Plug?:	yes	Well Action Needed?	No
Lid Condition:	good	Well Labeled?	yes
Ambient PID:	0 (ppmv)	Headspace PID:	2.2 (ppmv) 0 (ppmv) 0.1 (ppmv) 0 (ppmv) 0 (ppmv)
Notes:			

Water Level

Date:	12/13/2024 9:42:00 AM	Measured Well Depth:	111.00
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	4.50	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	12/13/2024 9:44:00 AM	End Date and Time:	12/13/2024 11:30:00 AM
Initial Pump Depth:	117	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method: Low flow (pump type: Bladder)	
Notes:			

AECOM

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Project #: 60732743

Site: Garfield Avenue group of sites

Event: 2024-DEC-BEDROCK

Sample Information			
Sample ID:	114-MW61D-117.0-20241213	Date:	12/13/2024 11:35:00 AM
Well ID:	114-MW61D	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
9:30 AM	-160.7	10.11	9.04	0.31	9.3	9.00	5.20	100	0.50	0.00	Clear	Sulfuric
9:35 AM	-159.5	9.60	9.01	0.31	9.0	9.26	7.00	100	0.50	0.50	Clear	Sulfuric
9:40 AM	-158.2	9.92	9.00	0.30	9.0	8.73	8.50	100	0.50	1.00	Clear	Sulfuric
9:45 AM	-162.9	9.65	8.98	0.30	7.9	8.20	9.10	100	0.50	1.50	Clear	Sulfuric
9:50 AM	-164.7	9.48	8.98	0.30	7.9	8.37	9.60	100	0.50	2.00	Clear	Sulfuric
9:55 AM	-169.3	5.89	9.08	0.30	7.9	6.76	10.00	100	0.50	2.50	Clear	Sulfuric
10:00 AM	-150.3	11.81	9.08	0.30	8.1	5.48	10.50	100	0.50	3.00	Clear	Sulfuric
10:05 AM	-162.5	8.36	9.08	0.30	7.9	6.10	11.30	100	0.50	3.50	Clear	Sulfuric
10:10 AM	-170.2	6.70	9.08	0.30	8.1	5.45	11.50	100	0.50	4.00	Clear	Sulfuric
10:15 AM	-177.0	6.56	9.07	0.30	8.6	5.89	12.50	100	0.50	4.50	Clear	Sulfuric
10:20 AM	-181.3	6.09	9.07	0.29	8.5	5.14	14.30	100	0.50	5.00	No color	Sulfuric like
10:25 AM	-181.4	5.99	9.06	0.30	9.0	4.93	13.70	100	0.50	5.50	No color	Sulfuric
10:35 AM	-184.2	6.34	9.06	0.30	8.3	4.84	15.00	100	0.50	6.00	No color	Sulfuric
10:40 AM	-178.3	7.58	9.06	0.30	8.9	3.46	15.70	100	0.50	6.50	No color	Sulfuric
10:45 AM	-177.5	7.76	9.08	0.30	8.6	3.28	16.00	100	0.50	7.00	No color	Sulfuric
10:50 AM	-175.0	1.50	9.09	0.30	8.7	3.04	17.10	100	0.50	7.50	No color	Sulfuric
10:55 AM	-175.1	3.69	9.09	0.30	8.4	3.26	17.61	100	0.50	8.00	No color	Sulfuric
11:00 AM	-163.7	2.89	9.10	0.30	8.4	3.49	17.92	100	0.50	8.50	No color	Sulfuric
11:05 AM	-170.2	3.22	9.10	0.30	8.6	3.10	18.95	100	0.50	9.00	No color	Sulfuric
11:10 AM	-175.8	7.28	9.10	0.30	9.1	3.00	19.95	100	0.50	9.50	No color	Sulfuric
11:15 AM	-169.7	6.87	9.10	0.30	9.5	3.43	19.95	100	0.50	10.00	No color	None
11:20 AM	-176.3	6.94	9.09	0.30	9.6	3.08	20.56	100	0.50	10.50	No color	None
11:25 AM	-179.8	6.41	9.10	0.29	9.4	2.99	21.15	100	0.50	11.00	No color	None
11:30 AM	-173.2	7.63	9.10	0.29	9.6	3.05	22.00	100	0.50	11.50	No color	None

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Project #: 60732743

Site: Garfield Avenue group of sites

Event: 2024-DEC-BEDROCK

Sample Information			
Sample ID:	114-MW61D-121.0-20241217	Date:	12/17/2024 10:25:00 AM
Well ID:	114-MW61D	Location Type:	MW
Duplicate ID:	114-MW61D-121.0-20241217-X	Sampler:	SalemI
Equipment:	Headspace meter: MiniRAE 3000 # 1000-1476 Field param meter: YSI Pro Plus # 3510-1392 WL/int meter: Solinst 101 # 3510-1369		
Analysis:	Cr+6,Eh,pH(Unfiltered),TCr(Unfiltered),TOC,Sulfate, Ferrous Iron		
Comments:	All parameters stabilized. Duplicate collected.		

Well Inspection			
Well Located?	Yes	Well Diameter:	2
Cap/J-Plug?:	yes	Well Action Needed?	No
Lid Condition:	good	Well Labeled?	yes
Ambient PID:	0 (ppmv)	Headspace PID:	0 (ppmv)
Notes:			

Water Level			
Date:	12/17/2024 9:20:00 AM	Measured Well Depth:	NM
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	8.91	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	12/17/2024 9:31:00 AM	End Date and Time:	12/17/2024 10:20:00 AM
Initial Pump Depth:	121	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method: Low flow (pump type: Bladder)	
Notes:			

GROUNDWATER SAMPLING LOG

AECOM

Client: PPG Industries

Site: Garfield Avenue group of sites

Project #: 60732743

Event: 2024-DEC-BEDROCK

Sample Information			
Sample ID:	114-MW61D-121.0-20241217	Date:	12/17/2024 10:25:00 AM
Well ID:	114-MW61D	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
9:35 AM	-12.4	0.95	8.20	0.35	14.6	8.99	9.36	100	0.50	0.50	Clear	Eggy
9:40 AM	-90.9	0.43	8.42	0.29	14.0	6.11	10.21	100	0.50	1.00	Clear	Eggy
9:45 AM	-111.4	0.40	8.58	0.29	14.2	6.23	11.15	100	0.50	1.50	Clear	Eggy
9:50 AM	-135.7	0.38	8.63	0.28	14.0	5.67	12.11	100	0.50	2.00	Clear	Eggy
9:55 AM	-143.6	0.33	8.72	0.28	14.3	4.25	13.25	100	0.50	2.50	Clear	Eggy
10:00 AM	-145.7	0.30	8.65	0.28	14.3	4.78	14.95	100	0.50	3.00	Clear	Eggy
10:05 AM	-144.3	0.29	8.62	0.28	13.9	5.01	16.21	100	0.50	3.50	Clear	Eggy
10:10 AM	-145.5	0.35	8.63	0.28	13.1	4.63	16.80	100	0.50	4.00	Clear	Eggy
10:15 AM	-151.3	0.37	8.73	0.28	13.3	4.85	16.92	100	0.50	4.50	Clear	Eggy
10:20 AM	-153.4	0.38	8.78	0.28	13.3	4.62	17.12	100	0.50	5.00	Clear	Eggy

GROUNDWATER SAMPLING LOG

AECOM

Client:	PPG Industries	Project #: 60732743	
Site:	Garfield Avenue group of sites	Event: 2024-DEC-BEDROCK	

Sample Information

Sample ID:	114-MW61D-126.0-20241217	Date:	12/17/2024 12:35:00 PM
Well ID:	114-MW61D	Location Type:	MW
Duplicate ID:		Sampler:	SalemI
Equipment:	Headspace meter: MiniRAE 3000 # 1000-1476 Field param meter: YSI Pro Plus # 3510-1392 WL/int meter: Solinst 101 # 3510-1369		
Analysis:	Cr+6,Eh,pH(Unfiltered),TCr(Unfiltered),TOC,Sulfate, Ferrous Iron		
Comments:	All parameters stabilized.		

Well Inspection

Well Located?	Yes	Well Diameter:	2
Cap/J-Plug?:	yes	Well Action Needed?	No
Lid Condition:	good	Well Labeled?	yes
Ambient PID:	0 (ppmv)	Headspace PID:	0.1 (ppmv)
Notes:			

Water Level

Date:	12/17/2024 11:00:00 AM	Measured Well Depth:	NM
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	24.05	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	12/17/2024 11:06:00 AM	End Date and Time:	12/17/2024 12:30:00 PM
Initial Pump Depth:	126	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method: Low flow (pump type: Bladder)	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries
Site: Garfield Avenue group of sites
Project #: 60732743
Event: 2024-DEC-BEDROCK

Sample Information			
Sample ID:	114-MW61D-126.0-20241217	Date:	12/17/2024 12:35:00 PM
Well ID:	114-MW61D	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
11:10 AM	-137.9	0.55	8.84	0.28	14.4	8.11	24.05	100	0.50	0.50	Clear	Eggy
11:15 AM	-140.7	0.34	8.67	0.28	14.0	6.65	25.21	100	0.50	1.00	Clear	Eggy
11:20 AM	-149.7	0.31	8.74	0.28	14.2	6.32	26.34	100	0.50	1.50	Clear	Eggy
11:25 AM	-150.4	0.30	8.71	0.28	14.2	7.02	27.01	100	0.50	2.00	Clear	Eggy
11:30 AM	-150.2	0.30	8.69	0.28	13.8	4.44	27.34	100	0.50	2.50	Clear	Eggy
11:35 AM	-151.1	0.31	8.73	0.28	13.9	5.23	27.87	100	0.50	3.00	Clear	Eggy
11:40 AM	-152.2	0.33	8.77	0.28	14.0	4.67	28.20	100	0.50	3.50	Clear	Eggy
11:45 AM	-152.5	0.34	8.73	0.28	13.9	4.62	28.56	100	0.50	4.00	Clear	Eggy
11:50 AM	-155.3	0.34	8.75	0.28	13.9	5.11	28.75	100	0.50	4.50	Clear	Eggy
11:55 AM	-153.2	0.33	8.75	0.28	14.1	6.92	29.11	100	0.50	5.00	Clear	Eggy
12:00 PM	-152.5	0.33	8.75	0.28	14.1	4.65	29.45	100	0.50	5.50	Clear	Eggy
12:05 PM	-153.5	0.33	8.75	0.28	14.1	4.78	29.74	100	0.50	6.00	Clear	Eggy
12:10 PM	-156.5	0.33	8.76	0.28	14.1	5.72	30.03	100	0.50	6.50	Clear	Eggy
12:15 PM	-156.3	0.33	8.77	0.28	14.1	4.92	30.61	100	0.50	7.00	Clear	Eggy
12:20 PM	-156.2	0.32	8.79	0.28	14.1	4.11	30.72	100	0.50	7.50	Clear	Eggy
12:25 PM	-157.9	0.33	8.82	0.28	14.3	4.34	30.85	100	0.50	8.00	Clear	Eggy
12:30 PM	-155.6	0.32	8.80	0.28	14.4	4.21	30.99	100	0.50	8.50	Clear	Eggy

GROUNDWATER SAMPLING LOG

AECOM

Client:	PPG Industries	Project #: 60732743	
Site:	Garfield Avenue group of sites	Event: 2024-DEC-BEDROCK	

Sample Information

Sample ID:	114-MW61D-131.0-20241218	Date:	12/18/2024 10:35:00 AM
Well ID:	114-MW61D	Location Type:	MW
Duplicate ID:		Sampler:	SalemI
Equipment:	Headspace meter: MiniRAE 3000 # 1000-1476 Field param meter: YSI Pro Plus # 3510-1392 WL/int meter: Solinst 101 # 3510-1369		
Analysis:			
Comments:	All parameters stabilized. MS/MSD collected.		

Well Inspection

Well Located?	Yes	Well Diameter:	2
Cap/J-Plug?:	yes	Well Action Needed?	No
Lid Condition:	good	Well Labeled?	yes
Ambient PID:	0 (ppmv)	Headspace PID:	0 (ppmv)
Notes:			

Water Level

Date:	12/18/2024 9:15:00 AM	Measured Well Depth:	NM
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	19.35	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	12/18/2024 9:27:00 AM	End Date and Time:	12/18/2024 10:30:00 AM
Initial Pump Depth:	131	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method: Low flow (pump type: Bladder)	
Notes:			

GROUNDWATER SAMPLING LOG

AECOM

Client:	PPG Industries		Project #: 60732743
Site:	Garfield Avenue group of sites		Event: 2024-DEC-BEDROCK

Sample Information			
Sample ID:	114-MW61D-131.0-20241218	Date:	12/18/2024 10:35:00 AM
Well ID:	114-MW61D	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
9:30 AM	102.3	6.98	8.58	0.31	13.1	9.92	19.35	100	0.50	0.50	Clear	Eggy
9:35 AM	-142.9	0.77	8.79	0.29	13.6	12.30	21.34	100	0.50	1.00	Clear	Eggy
9:40 AM	-157.1	0.48	8.78	0.29	13.9	9.50	22.42	100	0.50	1.50	Clear	Eggy
9:45 AM	-154.6	0.43	8.75	0.29	13.8	7.66	23.29	100	0.50	2.00	Clear	Eggy
9:50 AM	-155.1	0.39	8.76	0.29	13.8	7.21	24.78	100	0.50	2.50	Clear	Eggy
9:55 AM	-155.6	0.36	8.78	0.29	13.9	6.78	26.23	100	0.50	3.00	Clear	Eggy
10:00 AM	-157.3	0.36	8.78	0.29	14.0	4.89	28.04	100	0.50	3.50	Clear	Eggy
10:05 AM	-159.1	0.35	8.79	0.29	14.0	6.82	29.79	100	0.50	4.00	Clear	Eggy
10:10 AM	-159.8	0.34	8.83	0.29	13.9	5.78	30.90	100	0.50	4.50	Clear	Eggy
10:15 AM	-158.1	0.34	8.79	0.29	13.6	3.74	32.65	100	0.50	5.00	Clear	Eggy
10:20 AM	-158.4	0.37	8.82	0.29	12.6	4.80	32.97	100	0.50	5.50	Clear	Eggy
10:25 AM	-163.2	0.38	8.87	0.28	12.6	4.44	33.12	100	0.50	6.00	Clear	Eggy
10:30 AM	-163.7	0.40	8.88	0.28	12.9	4.65	33.25	100	0.50	6.50	Clear	Eggy

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #: 60732743	
Site:	Garfield Avenue group of sites	Event: 2024-DEC-BEDROCK	

Sample Information

Sample ID:	114-MW61D-136.0-20241218	Date:	12/18/2024 1:05:00 PM
Well ID:	114-MW61D	Location Type:	MW
Duplicate ID:		Sampler:	SalemI
Equipment:	Headspace meter: MiniRAE 3000 # 1000-1476 Field param meter: YSI Pro Plus # 3510-1392 WL/int meter: Solinst 101 # 3510-1369		
Analysis:			
Comments:	All parameters stabilized.		

Well Inspection

Well Located?	Yes	Well Diameter:	2
Cap/J-Plug?:	yes	Well Action Needed?	No
Lid Condition:	good	Well Labeled?	yes
Ambient PID:	0 (ppmv)	Headspace PID:	0 (ppmv)
Notes:			

Water Level

Date:	12/18/2024 11:35:00 AM	Measured Well Depth:	NM
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	42.02	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	12/18/2024 11:45:00 AM	End Date and Time:	12/18/2024 1:00:00 PM
Initial Pump Depth:	136	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method: Low flow (pump type: Bladder)	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Site: Garfield Avenue group of sites

Project #: 60732743

Event: 2024-DEC-BEDROCK

Sample Information			
Sample ID:	114-MW61D-136.0-20241218	Date:	12/18/2024 1:05:00 PM
Well ID:	114-MW61D	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
11:45 AM	-147.1	1.10	9.04	0.29	13.5	15.70	42.32	100	0.50	0.50	Clear	Eggy
11:50 AM	-171.9	0.62	8.79	0.33	14.2	18.40	43.01	100	0.50	1.00	Clear	Eggy
11:55 AM	-187.4	0.29	8.60	0.36	14.4	25.70	43.23	100	0.50	1.50	Clear	Eggy
12:00 PM	-188.4	0.28	8.60	0.36	14.2	35.70	43.54	100	0.50	2.00	Clear	Eggy
12:05 PM	-189.9	0.28	8.55	0.37	14.0	45.20	43.78	100	0.50	2.50	Clear	Eggy
12:10 PM	-191.1	0.28	8.50	0.37	13.8	39.20	43.85	100	0.50	3.00	Clear	Eggy
12:15 PM	-192.4	0.28	8.51	0.37	13.8	34.20	43.94	100	0.50	3.50	Clear	Eggy
12:20 PM	-199.4	0.27	8.59	0.37	14.4	21.40	44.42	100	0.50	4.00	Clear	Eggy
12:25 PM	-200.1	0.23	8.61	0.36	14.5	15.70	44.87	100	0.50	4.50	Clear	Eggy
12:30 PM	-200.6	0.25	8.71	0.33	14.6	13.40	45.25	100	0.50	5.00	Clear	Eggy
12:35 PM	-200.3	0.28	8.77	0.32	14.6	15.50	46.23	100	0.50	5.50	Clear	Eggy
12:40 PM	-191.5	0.33	8.80	0.30	14.6	14.30	46.89	100	0.50	6.00	Clear	Eggy
12:45 PM	-185.5	0.36	8.81	0.30	14.6	13.50	47.11	100	0.50	6.50	Clear	Eggy
12:50 PM	-176.5	0.39	8.82	0.29	14.7	7.72	47.29	100	0.50	7.00	Clear	Eggy
12:55 PM	-179.5	0.40	8.90	0.29	14.9	7.32	47.49	100	0.50	7.50	Clear	Eggy
1:00 PM	-173.3	0.42	8.83	0.29	14.8	7.81	47.57	100	0.50	8.00	Clear	Eggy

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #: 60732743	
Site:	Garfield Avenue group of sites	Event: 2024-DEC-BEDROCK	

Sample Information			
Sample ID:	114-MW62C-73.0-20241213	Date:	12/13/2024 2:55:00 PM
Well ID:	114-MW62C	Location Type:	MW
Duplicate ID:		Sampler:	SabbakJ
Equipment:	Headspace meter: MiniRAE 3000 # Field param meter: YSI Pro Plus # WL/int meter: Solinst 101 #		
Analysis:	Cr+6,Eh,pH(Unfiltered),TCr(Unfiltered),TOC,Sulfate, Ferrous Iron		
Comments:	TOC, SO4, Total Cr, Hex Cr, Ferrous iron (photo missing)		

Well Inspection			
Well Located?	Yes	Well Diameter:	2
Cap/J-Plug?:	yes	Well Action Needed?	No
Lid Condition:	good	Well Labeled?	yes
Ambient PID:	0 (ppmv)	Headspace PID:	0 (ppmv)
Notes:	None		

Water Level			
Date:	12/13/2024 12:30:00 PM	Measured Well Depth:	80.00
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	7.32	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	12/13/2024 12:35:00 PM	End Date and Time:	12/16/2024 2:50:00 PM
Initial Pump Depth:	73	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method: Low flow (pump type: Bladder)	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries | Project #: 60732743

Site: Garfield Avenue group of sites | Event: 2024-DEC-BEDROCK

Sample Information			
Sample ID:	114-MW62C-73.0-20241213	Date:	12/13/2024 2:55:00 PM
Well ID:	114-MW62C	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
12:40 PM	64.9	4.58	7.00	1.00	7.9	1.60	7.35	100	0.15	0.15	Clear	None
12:45 PM	86.5	2.32	7.14	1.21	8.3	64.70	7.35	100	0.15	0.30	Clear	None
12:50 PM	99.1	1.62	7.01	1.39	8.3	62.00	7.35	100	0.15	0.45	Clear	None
12:55 PM	107.0	1.11	6.97	1.13	8.6	60.00	7.35	100	0.15	0.60	Clear	None
1:00 PM	108.0	1.01	6.96	1.43	8.6	55.80	7.35	100	0.15	0.75	Clear	None
1:05 PM	108.0	0.87	6.96	1.44	9.2	52.50	7.35	100	0.15	0.90	Clear	None
1:10 PM	107.0	0.74	6.95	1.49	9.2	45.60	7.35	100	0.15	1.05	Clear	None
1:15 PM	105.6	0.68	6.93	1.50	9.5	42.90	7.35	100	0.15	1.20	Clear	None
1:20 PM	104.2	0.60	6.93	1.52	9.4	38.70	7.35	100	0.15	1.35	Clear	None
1:25 PM	103.0	0.57	6.92	1.53	9.2	35.40	7.35	100	0.15	1.50	Clear	None
1:30 PM	101.3	0.54	6.92	1.54	9.2	32.00	7.34	100	0.15	1.30	Clear	None
1:35 PM	100.9	0.50	6.92	1.54	9.0	27.20	7.32	100	0.15	1.45	Clear	None
1:40 PM	99.6	0.48	6.92	1.53	9.2	25.90	7.32	100	0.15	1.60	Clear	None
1:45 PM	98.7	0.44	6.92	1.53	9.4	23.40	7.32	100	0.15	1.75	Clear	None
1:50 PM	80.9	0.43	6.97	1.55	9.4	22.90	7.32	100	0.15	1.90	Clear	None
1:55 PM	72.1	0.42	6.92	1.55	9.2	21.70	7.32	100	0.15	2.05	Clear	None
2:00 PM	75.5	0.42	6.91	1.55	9.0	20.90	7.32	100	0.15	2.30	Clear	None
2:05 PM	78.5	0.36	6.91	1.54	9.7	20.60	7.32	100	0.15	2.45	Clear	None
2:10 PM	79.7	0.35	6.91	1.54	9.6	19.80	7.32	100	0.15	2.50	Clear	None
2:15 PM	83.4	0.36	6.91	1.55	9.5	18.70	7.32	100	0.15	2.65	Clear	None
2:20 PM	87.6	0.28	6.91	1.56	9.7	17.00	7.32	100	0.15	2.80	Clear	None
2:25 PM	84.5	0.28	6.91	1.54	9.8	16.70	7.32	100	0.15	2.95	Clear	None
2:30 PM	84.6	0.30	6.96	1.54	9.8	12.80	7.32	100	0.15	3.00	Clear	None
2:35 PM	85.2	0.29	7.01	1.55	9.5	10.00	7.32	100	0.15	3.15	Clear	None
2:40 PM	85.8	0.30	6.95	1.54	9.7	9.82	7.32	100	0.15	3.30	Clear	None
2:45 PM	85.7	0.27	6.99	1.54	9.6	8.84	7.32	100	0.15	3.45	Clear	None
2:50 PM	85.3	0.29	7.01	1.55	9.6	9.02	7.32	100	0.15	3.60	Clear	None

GROUNDWATER SAMPLING LOG

Client:	PPG Industries		Project #: 60732743
Site:	Garfield Avenue group of sites		Event: 2024-DEC-BEDROCK

Sample Information

Sample ID:	114-MW76D-103.75-20241216	Date:	12/16/2024 11:35:00 AM
Well ID:	114-MW76D	Location Type:	MW
Duplicate ID:		Sampler:	SabbakJ
Equipment:	Headspace meter: MiniRAE 3000 # 592-914247 Field param meter: YSI Pro Plus # 23K102390 WL/int meter: Solinst 101 # 530544		
Analysis:	Cr+6,Eh,pH(Unfiltered),TCr(Unfiltered),TOC,Sulfate, Ferrous Iron		
Comments:	SO4 TOC total chromium, hexavalent chromium and ferrous iron		

Well Inspection

Well Located?	Yes	Well Diameter:	6
Cap/J-Plug?:	yes	Well Action Needed?	No
Lid Condition:	good	Well Labeled?	yes
Ambient PID:	0 (ppmv)	Headspace PID:	0 (ppmv)
Notes:	None		

Water Level

Date:	12/16/2024 9:41:00 AM	Measured Well Depth:	130.00
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	8.37	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	12/16/2024 10:05:00 AM	End Date and Time:	12/16/2024 11:30:00 AM
Initial Pump Depth:	103.75	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method: Low flow (pump type: Bladder)	
Notes:			

GROUNDWATER SAMPLING LOG

AECOM

Client: PPG Industries

Site: Garfield Avenue group of sites

Project #: 60732743

Event: 2024-DEC-BEDROCK

Sample Information			
Sample ID:	114-MW76D-103.75-20241216	Date:	12/16/2024 11:35:00 AM
Well ID:	114-MW76D	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
10:15 AM	46.2	0.80	11.65	1.02	12.3	7.63	8.50	250	0.25	0.20	Clear	None
10:20 AM	15.0	0.36	11.71	1.06	12.3	4.37	8.53	250	0.25	0.50	Clear	None
10:25 AM	4.0	0.34	11.73	1.07	11.8	4.00	8.53	250	0.25	0.75	Clear	None
10:30 AM	-13.2	0.27	11.74	1.07	11.6	3.95	8.53	250	0.25	1.00	Clear	None
10:35 AM	-36.8	0.27	11.77	1.07	11.7	3.52	8.53	250	0.25	1.25	Clear	None
10:40 AM	-59.9	0.27	11.77	1.06	11.8	3.39	8.53	250	0.25	1.50	Clear	None
10:45 AM	-73.8	0.24	11.80	1.07	11.4	3.26	8.53	250	0.25	1.75	Clear	None
10:50 AM	-95.8	0.25	11.78	1.06	11.1	3.19	8.52	250	0.25	2.00	Clear	None
10:55 AM	-113.5	0.23	11.81	1.07	11.0	3.10	8.48	250	0.25	2.25	Clear	None
11:00 AM	-131.2	0.24	11.83	1.07	11.2	3.02	8.45	250	0.25	2.50	Clear	None
11:05 AM	-141.1	0.19	11.84	1.06	11.2	2.78	8.45	250	0.25	2.75	Clear	None
11:10 AM	-148.5	0.20	11.85	1.06	11.4	2.53	8.45	250	0.25	3.00	Clear	None
11:15 AM	-152.3	0.19	11.86	1.06	11.0	2.26	8.45	250	0.25	3.25	Clear	None
11:20 AM	-155.6	0.19	11.82	1.06	11.2	2.29	8.45	100	0.15	3.50	Clear	None
11:25 AM	-159.4	0.19	11.83	1.06	10.8	2.28	8.45	100	0.15	3.75	Clear	None
11:30 AM	-163.9	0.19	11.84	1.06	11.0	2.27	8.45	100	0.15	4.00	Clear	None

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #: 60732743	
Site:	Garfield Avenue group of sites	Event: 2024-DEC-BEDROCK	

Sample Information

Sample ID:	114-MW76D-108.75-20241216	Date:	12/16/2024 12:50:00 PM
Well ID:	114-MW76D	Location Type:	MW
Duplicate ID:		Sampler:	SabbakJ
Equipment:	Headspace meter: MiniRAE 3000 # 592-914247 Field param meter: YSI Pro Plus # 23K102390 WL/int meter: Solinst 101 # 530544		
Analysis:	Cr+6,Eh,pH(Unfiltered),TCr(Unfiltered),TOC,Sulfate, Ferrous Iron		
Comments:	TOC, SO4, total chromium , hexavalent chromium, ferrous iron		

Well Inspection

Well Located?	Yes	Well Diameter:	6
Cap/J-Plug?:	yes	Well Action Needed?	No
Lid Condition:	good	Well Labeled?	yes
Ambient PID:	0 (ppmv)	Headspace PID:	0 (ppmv)
Notes:	None		

Water Level

Date:	12/16/2024 12:05:00 PM	Measured Well Depth:	130.00
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	8.45	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	12/16/2024 12:10:00 PM	End Date and Time:	12/16/2024 12:45:00 PM
Initial Pump Depth:	108.75	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method: Low flow (pump type: Bladder)	
Notes:			

GROUNDWATER SAMPLING LOG

AECOM

Client: PPG Industries
Site: Garfield Avenue group of sites

Project #: 60732743
Event: 2024-DEC-BEDROCK

Sample Information			
Sample ID:	114-MW76D-108.75-20241216	Date:	12/16/2024 12:50:00 PM
Well ID:	114-MW76D	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
12:10 PM	-61.8	0.48	11.92	1.06	11.2	6.78	8.40	250	0.25	0.25	Clear	None
12:15 PM	-121.3	0.39	11.96	1.08	11.7	6.25	8.39	250	0.25	0.50	Clear	None
12:20 PM	-148.9	0.38	11.94	1.08	11.5	5.97	8.38	250	0.25	0.75	Clear	None
12:25 PM	-167.3	0.39	11.95	1.08	11.8	5.03	8.37	250	0.25	1.00	Clear	None
12:30 PM	-177.5	0.38	11.94	1.07	11.9	4.98	8.37	250	0.25	1.25	Clear	None
12:35 PM	-182.8	0.31	11.93	1.08	11.6	4.65	8.37	250	0.25	1.50	Clear	None
12:40 PM	-186.4	0.28	11.92	1.07	11.6	4.51	8.37	250	0.25	1.75	Clear	None
12:45 PM	-189.2	0.32	11.93	1.08	11.4	4.43	8.37	100	0.15	2.00	Clear	None

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #: 60732743	
Site:	Garfield Avenue group of sites	Event: 2024-DEC-BEDROCK	

Sample Information

Sample ID:	114-MW76D-113.75-20241217	Date:	12/17/2024 10:40:00 AM
Well ID:	114-MW76D	Location Type:	MW
Duplicate ID:		Sampler:	SabbakJ
Equipment:	Headspace meter: MiniRAE 3000 # 592-914247 Field param meter: YSI Pro Plus # 23K102390 WL/int meter: Solinst 101 # 530544		
Analysis:	Cr+6,Eh,pH(Unfiltered),TCr(Unfiltered),TOC,Sulfate, Ferrous Iron		
Comments:	TOC, SO4, hexavalent, chromium, total chromium, and Ferrous iron (MS MSD COLLECTION)		

Well Inspection

Well Located?	Yes	Well Diameter:	6
Cap/J-Plug?:	yes	Well Action Needed?	No
Lid Condition:	good	Well Labeled?	yes
Ambient PID:	0 (ppmv)	Headspace PID:	0 (ppmv)
Notes:	None		

Water Level

Date:	12/17/2024 9:24:00 AM	Measured Well Depth:	130.00
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	8.00	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	12/17/2024 9:30:00 AM	End Date and Time:	12/17/2024 10:35:00 AM
Initial Pump Depth:	113.75	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method: Low flow (pump type: Bladder)	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Site: Garfield Avenue group of sites

Project #: 60732743

Event: 2024-DEC-BEDROCK

Sample Information			
Sample ID:	114-MW76D-113.75-20241217	Date:	12/17/2024 10:40:00 AM
Well ID:	114-MW76D	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
9:30 AM	97.3	4.40	11.78	1.02	13.6	12.30	8.10	175	0.20	0.20	Clear	None
9:35 AM	80.9	4.28	11.67	0.97	13.4	15.00	8.10	175	0.20	0.40	Clear	None
9:40 AM	23.6	1.25	11.82	1.03	13.3	13.50	8.11	175	0.20	0.60	Clear	None
9:45 AM	-19.5	0.76	11.93	1.10	13.8	10.90	8.11	175	0.20	0.80	Clear	None
9:50 AM	-53.1	0.45	11.95	1.10	13.8	8.67	8.12	175	0.20	1.00	Clear	None
9:55 AM	-79.2	0.39	11.94	1.11	14.1	7.89	8.12	175	0.20	1.20	Clear	None
10:00 AM	-100.2	0.31	11.94	1.11	14.2	6.46	8.12	175	0.20	1.40	Clear	None
10:05 AM	-130.2	0.26	11.94	1.11	14.1	6.01	8.13	175	0.20	1.60	Clear	None
10:10 AM	-142.7	0.26	11.95	1.11	14.1	5.78	8.13	175	0.20	1.80	Clear	None
10:15 AM	-153.6	0.24	11.94	1.11	14.1	5.66	8.15	175	0.20	2.00	Clear	None
10:25 AM	-165.7	0.25	11.92	1.11	13.9	4.56	8.15	175	0.20	2.20	Clear	None
10:30 AM	-170.2	0.23	11.93	1.11	14.1	4.41	8.16	175	0.20	2.40	Clear	None
10:35 AM	-173.9	0.20	11.93	1.11	14.0	4.76	8.17	175	0.20	2.60	Clear	None

GROUNDWATER SAMPLING LOG

Client:	PPG Industries		Project #: 60732743
Site:	Garfield Avenue group of sites		Event: 2024-DEC-BEDROCK

Sample Information

Sample ID:	114-MW76D-118.75-20241217	Date:	12/17/2024 1:00:00 PM
Well ID:	114-MW76D	Location Type:	MW
Duplicate ID:		Sampler:	SabbakJ
Equipment:	Headspace meter: MiniRAE 3000 # 592-914247 Field param meter: YSI Pro Plus # 23K102390 WL/int meter: Solinst 101 # 530544		
Analysis:	Cr+6,Eh,pH(Unfiltered),TCr(Unfiltered),TOC,Sulfate, Ferrous Iron		
Comments:	SO4, TOC, hexavalent chromium, total chromium and ferrous iron		

Well Inspection

Well Located?	Yes	Well Diameter:	6
Cap/J-Plug?:	yes	Well Action Needed?	No
Lid Condition:	good	Well Labeled?	yes
Ambient PID:	0 (ppmv)	Headspace PID:	0 (ppmv)
Notes:	None		

Water Level

Date:	12/17/2024 11:45:00 AM	Measured Well Depth:	130.00
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	8.13	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	12/17/2024 11:45:00 AM	End Date and Time:	12/17/2024 12:55:00 PM
Initial Pump Depth:	118.75	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method: Low flow (pump type: Bladder)	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries
Site: Garfield Avenue group of sites
Project #: 60732743
Event: 2024-DEC-BEDROCK

Sample Information			
Sample ID:	114-MW76D-118.75-20241217	Date:	12/17/2024 1:00:00 PM
Well ID:	114-MW76D	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
11:50 AM	-73.9	0.36	11.94	1.11	15.0	20.60	8.11	200	0.25	0.25	Clear	None
11:55 AM	-131.7	0.27	11.94	1.13	15.1	12.70	8.11	200	0.25	0.50	Clear	None
12:00 PM	-153.2	0.27	11.93	1.13	14.9	6.92	8.12	200	0.25	0.75	Clear	None
12:05 PM	-159.5	0.25	11.91	1.19	14.9	8.78	8.11	200	0.25	1.00	Clear	None
12:10 PM	-168.2	0.24	11.92	1.12	14.9	5.92	8.10	200	0.25	1.25	Clear	None
12:15 PM	-173.0	0.24	11.91	1.12	15.0	4.80	8.10	200	0.25	1.50	Clear	None
12:20 PM	-177.0	0.24	11.91	1.12	15.3	4.48	8.10	200	0.25	1.75	Clear	None
12:25 PM	-178.0	0.22	11.90	1.12	15.3	4.08	8.10	200	0.25	2.00	Clear	None
12:30 PM	-181.1	0.19	11.90	1.12	15.3	3.59	8.09	200	0.25	2.25	Clear	None
12:35 PM	-182.9	0.23	11.91	1.12	15.4	3.03	8.09	200	0.25	2.50	Clear	None
12:40 PM	-183.9	0.23	11.88	1.12	15.5	2.84	8.09	200	0.25	2.75	Clear	None
12:45 PM	-185.0	0.19	11.87	1.12	15.5	1.90	8.09	200	0.25	3.00	Clear	None
12:50 PM	-186.7	0.23	11.87	1.12	15.3	1.99	8.09	200	0.25	3.25	Clear	None
12:55 PM	-187.5	0.20	1.85	1.12	15.2	1.95	8.09	200	0.25	3.50	Clear	None

GROUNDWATER SAMPLING LOG

Client:	PPG Industries		Project #: 60732743
Site:	Garfield Avenue group of sites		Event: 2024-DEC-BEDROCK

Sample Information

Sample ID:	114-MW76D-123.75-20241218	Date:	12/18/2024 10:40:00 AM
Well ID:	114-MW76D	Location Type:	MW
Duplicate ID:	114-MW76D-123.75-20241218-x	Sampler:	SabbakJ
Equipment:	Headspace meter: MiniRAE 3000 # 592-914247 Field param meter: YSI Pro Plus # 23K102390 WL/int meter: Solinst 101 # 530544		
Analysis:			
Comments:	TOC, SO4, Total chrome, hex chrome, ferrous iron		

Well Inspection

Well Located?	Yes	Well Diameter:	6
Cap/J-Plug?:	yes	Well Action Needed?	No
Lid Condition:	good	Well Labeled?	yes
Ambient PID:	0 (ppmv)	Headspace PID:	0 (ppmv)
Notes:	None		

Water Level

Date:	12/18/2024 9:20:00 AM	Measured Well Depth:	130.00
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	7.85	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	12/18/2024 9:30:00 AM	End Date and Time:	12/18/2024 10:35:00 AM
Initial Pump Depth:	123.75	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method: Low flow (pump type: Bladder)	
Notes:			

GROUNDWATER SAMPLING LOG

AECOM

Client: PPG Industries

Site: Garfield Avenue group of sites

Project #: 60732743

Event: 2024-DEC-BEDROCK

Sample Information			
Sample ID:	114-MW76D-123.75-20241218	Date:	12/18/2024 10:40:00 AM
Well ID:	114-MW76D	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
9:35 AM	52.9	5.49	11.87	1.06	14.8	20.10	7.99	200	0.25	0.25	Clear	None
9:40 AM	47.8	5.01	11.60	1.10	14.4	12.30	7.99	200	0.25	0.50	Clear	None
9:45 AM	-10.3	2.41	11.73	1.19	14.7	11.70	8.00	200	0.25	0.75	Clear	None
9:50 AM	-62.1	1.52	11.75	1.22	14.7	10.90	8.03	200	0.25	1.00	Clear	None
9:55 AM	-90.8	1.12	11.76	1.14	14.8	10.70	8.03	200	0.25	1.25	Clear	None
10:00 AM	-119.9	0.72	11.76	1.22	14.8	10.60	8.04	200	0.25	1.50	Clear	None
10:05 AM	-138.3	0.59	11.75	1.21	14.9	9.98	8.04	200	0.25	1.75	Clear	None
10:10 AM	-154.4	0.50	11.74	1.21	14.8	9.05	8.05	200	0.25	2.00	Clear	None
10:15 AM	-165.1	0.50	11.75	1.21	14.8	8.77	8.05	200	0.25	2.25	Clear	None
10:20 AM	-171.8	0.44	11.72	1.21	14.8	8.42	8.06	200	0.25	2.50	Clear	None
10:25 AM	-176.8	0.41	11.72	1.21	14.8	8.76	8.06	200	0.25	2.75	Clear	None
10:30 AM	-179.7	0.39	11.73	1.21	14.8	7.63	8.06	200	0.25	3.00	Clear	None
10:35 AM	-182.8	0.38	11.74	1.20	14.8	8.03	8.07	200	0.25	3.25	Clear	None

GROUNDWATER SAMPLING LOG

Client:	PPG Industries		Project #: 60732743
Site:	Garfield Avenue group of sites		Event: 2025-JAN-BEDROCK

Sample Information

Sample ID:	114-MW81D-103.5-20250115	Date:	1/15/2025 11:00:00 AM
Well ID:	114-MW81D	Location Type:	BH
Duplicate ID:		Sampler:	ClarkM4
Equipment:	Headspace meter: MiniRAE 3000 # 592-901956 (1000-1229) Field param meter: 3510 # 21K103641 (3510-1327) WL/int meter: Solinst 101 # 518325 (3010-1382)		
Analysis:	Cr+6,Eh,pH(Unfiltered),TCr(Unfiltered),TOC,Sulfate, Ferrous Iron		
Comments:	All parameters stable. MS/MSD collected.		

Well Inspection

Well Located?	Yes	Well Diameter:	10
Cap/J-Plug?:	yes	Well Action Needed?	No
Lid Condition:	good	Well Labeled?	yes
Ambient PID:	0 (ppmv)	Headspace PID:	0 (ppmv)
Notes:			

Water Level

Date:	1/15/2025 9:15:00 AM	Measured Well Depth:	NM
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	8.79	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	1/15/2025 10:00:00 AM	End Date and Time:	1/15/2025 10:55:00 AM
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method: Low flow (pump type: Bladder)	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries
Site: Garfield Avenue group of sites
Project #: 60732743
Event: 2025-JAN-BEDROCK

Sample Information			
Sample ID:	114-MW81D-103.5-20250115	Date:	1/15/2025 11:00:00 AM
Well ID:	114-MW81D	Location Type:	BH

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
10:05 AM	-20.3	1.65	12.66	6.23	6.8	1.02	9.02	140	0.70	0.70	Clear	None
10:10 AM	-48.8	0.92	12.75	6.30	6.6	1.82	9.15	140	0.70	1.40	Clear	None
10:15 AM	-75.7	0.56	12.81	6.32	7.1	1.27	9.25	140	0.70	2.10	Clear	None
10:20 AM	-92.6	0.43	12.85	6.38	7.0	1.13	9.36	140	0.70	2.80	Clear	None
10:25 AM	-105.5	0.39	12.93	6.38	5.6	1.23	9.52	140	0.70	3.50	Clear	None
10:30 AM	-112.5	0.32	12.90	6.27	7.0	1.23	9.62	140	0.70	4.20	Clear	None
10:35 AM	-117.4	0.29	12.87	6.27	7.6	1.12	9.73	140	0.70	4.90	Clear	None
10:40 AM	-118.3	0.30	12.88	6.33	7.5	1.16	9.83	140	0.70	5.60	Clear	None
10:45 AM	-120.9	0.30	12.91	6.36	7.3	0.99	9.93	140	0.70	6.30	Clear	None
10:50 AM	-124.9	0.29	12.88	6.32	7.4	0.88	10.05	140	0.70	7.00	Clear	None
10:55 AM	-126.4	0.28	12.89	6.33	7.2	0.95	10.13	140	0.70	7.70	Clear	None

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #: 60732743	
Site:	Garfield Avenue group of sites	Event: 2025-JAN-BEDROCK	

Sample Information			
Sample ID:	114-MW81D-107.5-20250115	Date:	1/15/2025 1:45:00 PM
Well ID:	114-MW81D	Location Type:	BH
Duplicate ID:		Sampler:	ClarkM4
Equipment:	Headspace meter: MiniRAE 3000 # 592-901956 (1000-1229) Field param meter: 3510 # 21K103641 (3510-1327) WL/int meter: Solinst 101 # 518325 (3010-1382)		
Analysis:	Cr+6,Eh,pH(Unfiltered),TCr(Unfiltered),TOC,Sulfate, Ferrous Iron		
Comments:	All parameters stable.		

Well Inspection			
Well Located?	Yes	Well Diameter:	10
Cap/J-Plug?:	yes	Well Action Needed?	No
Lid Condition:	good	Well Labeled?	yes
Ambient PID:	0 (ppmv)	Headspace PID:	0 (ppmv)
Notes:			

Water Level			
Date:	1/15/2025 12:40:00 PM	Measured Well Depth:	NM
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	11.13	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	1/15/2025 12:47:00 PM	End Date and Time:	1/15/2025 1:40:00 PM
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method:	Low flow (pump type: Bladder)
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Site: Garfield Avenue group of sites

Project #: 60732743

Event: 2025-JAN-BEDROCK

Sample Information			
Sample ID:	114-MW81D-107.5-20250115	Date:	1/15/2025 1:45:00 PM
Well ID:	114-MW81D	Location Type:	BH

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
12:55 PM	-63.9	4.23	13.02	6.42	4.9	2.26	11.18	140	0.70	0.70	Clear	None
1:00 PM	-67.0	1.75	12.95	6.17	7.0	1.87	11.25	140	0.70	1.40	Clear	None
1:05 PM	-79.8	0.54	12.93	6.26	7.9	1.04	11.32	140	0.70	2.10	Clear	None
1:10 PM	-91.9	0.34	12.95	6.32	7.3	1.24	11.42	140	0.70	2.80	Clear	None
1:15 PM	-96.5	0.30	12.95	6.31	7.2	1.22	11.46	140	0.70	3.50	Clear	None
1:20 PM	-103.5	0.26	12.95	6.34	7.3	1.06	11.53	140	0.70	4.20	Clear	None
1:25 PM	-108.3	0.25	13.00	6.40	7.4	1.01	11.60	140	0.70	4.90	Clear	None
1:30 PM	-115.7	0.22	12.94	6.30	7.7	0.75	11.65	140	0.70	5.60	Clear	None
1:35 PM	-119.7	0.20	12.91	6.24	7.9	0.82	11.71	140	0.70	6.30	Clear	None
1:40 PM	-123.4	0.20	12.95	6.33	7.7	0.81	11.81	140	0.70	7.00	Clear	None

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Project #: 60732743

Site: Garfield Avenue group of sites

Event: 2025-JAN-BEDROCK

Sample Information

Sample ID:	114-MW81D-115.0-20250116	Date:	1/16/2025 11:10:00 AM
Well ID:	114-MW81D	Location Type:	BH
Duplicate ID:	114-MW81D-115.0-20250116-X	Sampler:	ClarkM4
Equipment:	Headspace meter: MiniRAE 3000 # 592-901956 (1000-1229) Field param meter: 3510 # 21K103641 (3510-1327) WL/int meter: Solinst 101 # 518325 (3010-1382)		
Analysis:	Cr+6,Eh,pH(Unfiltered),TCr(Unfiltered),TOC,Sulfate, Ferrous Iron		
Comments:	All parameters stable. DUP collected @ 11:15 (5 additional bottles)		

Well Inspection

Well Located?	Yes	Well Diameter:	10
Cap/J-Plug?:	yes	Well Action Needed?	No
Lid Condition:	good	Well Labeled?	yes
Ambient PID:	0 (ppmv)	Headspace PID:	0 (ppmv)
Notes:			

Water Level

Date:	1/16/2025 10:10:00 AM	Measured Well Depth:	NM
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	9.57	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	1/16/2025 10:20:00 AM	End Date and Time:	1/16/2025 11:10:00 AM
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method:	Low flow (pump type: Bladder)
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Site: Garfield Avenue group of sites

Project #: 60732743

Event: 2025-JAN-BEDROCK

Sample Information			
Sample ID:	114-MW81D-115.0-20250116	Date:	1/16/2025 11:10:00 AM
Well ID:	114-MW81D	Location Type:	BH

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
10:25 AM	-110.0	2.57	12.56	6.08	8.3	2.82	9.78	130	0.65	0.65	Clear	None
10:30 AM	-173.9	1.15	12.80	6.23	8.7	2.01	9.88	130	0.65	1.30	Clear	None
10:35 AM	-204.0	4.32	12.88	6.32	8.7	3.46	9.92	130	0.65	1.95	Clear	None
10:40 AM	-222.5	4.17	12.89	6.31	9.3	1.32	10.03	130	0.65	2.60	Clear	None
10:45 AM	-237.3	4.03	12.93	6.35	8.5	1.30	10.18	130	0.65	3.25	Clear	None
10:50 AM	-247.2	3.90	12.95	6.34	7.9	1.15	10.27	130	0.65	3.90	Clear	None
10:55 AM	-254.4	3.77	12.96	6.35	7.9	0.79	10.33	130	0.65	4.55	Clear	None
11:00 AM	-260.3	3.58	12.95	6.29	8.1	0.54	10.42	130	0.65	5.20	Clear	None
11:05 AM	-263.0	3.56	12.95	6.31	8.1	0.59	10.49	130	0.65	5.85	Clear	None
12:55 PM	-183.7	7.53	13.07	6.30	5.2	1.69	11.11	130	0.65	0.65	Clear	None
1:00 PM	-189.7	4.48	13.04	6.26	6.8	1.09	11.13	130	0.65	1.30	Clear	None
1:05 PM	-199.0	2.70	13.01	6.28	7.5	1.07	11.18	130	0.65	1.95	Clear	None

GROUNDWATER SAMPLING LOG

Client:	PPG Industries		Project #: 60732743
Site:	Garfield Avenue group of sites		Event: 2025-JAN-BEDROCK

Sample Information

Sample ID:	114-MW81D-123.0-20250116	Date:	1/16/2025 1:50:00 PM
Well ID:	114-MW81D	Location Type:	BH
Duplicate ID:		Sampler:	ClarkM4
Equipment:	Headspace meter: MiniRAE 3000 # 592-901956 (1000-1229) Field param meter: 3510 # 21K103641 (3510-1327) WL/int meter: Solinst 101 # 518325 (3010-1382)		
Analysis:	Cr+6,Eh,pH(Unfiltered),TCr(Unfiltered),TOC,Sulfate, Ferrous Iron		
Comments:	All parameters stable.		

Well Inspection

Well Located?	Yes	Well Diameter:	10
Cap/J-Plug?:	yes	Well Action Needed?	No
Lid Condition:	good	Well Labeled?	yes
Ambient PID:	0 (ppmv)	Headspace PID:	0 (ppmv)
Notes:			

Water Level

Date:	1/16/2025 12:40:00 PM	Measured Well Depth:	NM
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	11.02	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	1/16/2025 12:52:00 PM	End Date and Time:	1/16/2025 1:45:00 PM
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method: Low flow (pump type: Bladder)	
Notes:			

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #: 60732743
Site:	Garfield Avenue group of sites	Event: 2025-JAN-BEDROCK

Sample Information			
Sample ID:	114-MW81D-123.0-20250116	Date:	1/16/2025 1:50:00 PM
Well ID:	114-MW81D	Location Type:	BH

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
12:55 PM	-183.7	7.53	13.07	6.30	5.2	1.69	11.11	130	0.65	0.65	Clear	None
1:00 PM	-189.7	4.48	13.04	6.26	6.8	1.09	11.13	130	0.65	1.30	Clear	None
1:05 PM	-199.0	2.70	13.01	6.28	7.5	1.07	11.18	130	0.65	1.95	Clear	None
1:10 PM	-220.4	1.69	12.95	6.18	9.4	0.68	11.23	130	0.65	2.60	Clear	None
1:15 PM	-235.0	1.66	12.92	6.23	10.2	0.66	11.34	130	0.65	3.25	Clear	None
1:20 PM	-241.2	1.55	12.92	6.26	10.2	0.80	11.39	130	0.65	3.90	Clear	None
1:25 PM	-250.8	1.54	12.92	6.25	10.2	0.93	11.48	130	0.65	4.55	Clear	None
1:30 PM	-258.4	2.30	12.91	6.26	10.3	0.70	11.59	130	0.65	5.20	Clear	None
1:35 PM	-262.5	3.16	12.93	6.29	9.8	0.91	11.69	130	0.65	5.85	Clear	None
1:40 PM	-266.1	3.28	12.92	6.26	10.0	0.98	11.76	130	0.65	6.50	Clear	None
1:45 PM	-271.3	3.28	12.90	6.23	10.0	0.79	11.87	130	0.65	7.15	Clear	None

GROUNDWATER SAMPLING LOG

Client:	PPG Industries		Project #: 60732743
Site:	Garfield Avenue group of sites		Event: 2025-JAN-BEDROCK

Sample Information

Sample ID:	114-MW81D-127.0-20250117	Date:	1/17/2025 10:55:00 AM
Well ID:	114-MW81D	Location Type:	BH
Duplicate ID:		Sampler:	ClarkM4
Equipment:	Headspace meter: MiniRAE 3000 # 592-901956 (1000-1229) Field param meter: 3510 # 21E102240 (3510-1439) WL/int meter: Solinst 101 # 518325 (3010-1382)		
Analysis:	Cr+6,Eh,pH(Unfiltered),TCr(Unfiltered),TOC,Sulfate, Ferrous Iron		
Comments:	All parameters stable.		

Well Inspection

Well Located?	Yes	Well Diameter:	10
Cap/J-Plug?:	yes	Well Action Needed?	No
Lid Condition:	good	Well Labeled?	yes
Ambient PID:	0 (ppmv)	Headspace PID:	0 (ppmv)
Notes:			

Water Level

Date:	1/17/2025 9:30:00 AM	Measured Well Depth:	137.25
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	9.54	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	1/17/2025 9:56:00 AM	End Date and Time:	1/17/2025 10:50:00 AM
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method: Low flow (pump type: Bladder)	
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Site: Garfield Avenue group of sites

Project #: 60732743

Event: 2025-JAN-BEDROCK

Sample Information			
Sample ID:	114-MW81D-127.0-20250117	Date:	1/17/2025 10:55:00 AM
Well ID:	114-MW81D	Location Type:	BH

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
10:00 AM	-108.2	0.53	12.78	6.07	12.5	0.87	9.80	150	0.75	0.75	Clear	None
10:05 AM	-128.2	0.52	12.78	6.10	12.7	1.54	9.87	150	0.75	1.50	Clear	None
10:10 AM	-157.3	0.40	12.79	6.10	12.6	1.58	10.10	150	0.75	2.25	Clear	None
10:15 AM	-165.4	0.39	12.78	6.07	12.6	0.68	10.11	150	0.75	3.00	Clear	None
10:20 AM	-169.6	0.44	12.78	6.07	13.2	0.63	10.32	150	0.75	3.75	Clear	None
10:25 AM	-169.6	0.43	12.79	6.07	12.9	0.78	10.45	150	0.75	4.50	Clear	None
10:30 AM	-174.9	0.90	12.80	6.09	12.7	0.66	10.52	150	0.75	6.25	Clear	None
10:35 AM	-180.3	1.10	12.81	6.09	12.8	0.58	10.67	150	0.75	7.00	Clear	None
10:40 AM	-182.1	2.30	12.81	6.07	13.1	0.52	10.77	150	0.75	7.75	Clear	None
10:45 AM	-185.3	2.33	12.82	6.09	13.2	0.56	10.86	150	0.75	8.50	Clear	None
10:50 AM	-187.4	2.31	12.83	6.07	13.0	0.48	11.07	150	0.75	9.25	Clear	None

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #: 60732743	
Site:	Garfield Avenue group of sites	Event: 2025-FEB-BEDROCK	

Sample Information			
Sample ID:	114-MW81D-103.5-20250214	Date:	2/14/2025 11:20:00 AM
Well ID:	114-MW81D	Location Type:	MW
Duplicate ID:		Sampler:	ClarkM4
Equipment:	Headspace meter: MiniRAE 3000 # 592-000181 (1000-1219) Field param meter: YSI Pro Plus # 21E103530 (3510-1417) WL/int meter: Solinst 101 # 556677 (3010-1158)		
Analysis:			
Comments:	All parameters stable		

Well Inspection			
Well Located?	Yes	Well Diameter:	10
Cap/J-Plug?:	yes	Well Action Needed?	No
Lid Condition:	good	Well Labeled?	yes
Ambient PID:	0 (ppmv)	Headspace PID:	0 (ppmv)
Notes:			

Water Level			
Date:	2/14/2025 10:15:00 AM	Measured Well Depth:	131.62
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	9.40	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	2/14/2025 10:40:00 AM	End Date and Time:	2/14/2025 11:15:00 AM
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method:	Low flow (pump type: Bladder)
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Site: Garfield Avenue group of sites

Project #: 60732743

Event: 2025-FEB-BEDROCK

Sample Information			
Sample ID:	114-MW81D-103.5-20250214	Date:	2/14/2025 11:20:00 AM
Well ID:	114-MW81D	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
10:40 AM	-76.5	0.56	12.52	6.07	11.4	2.72	9.40	210	1.05	1.05	Clear	None
10:45 AM	-93.0	0.45	12.66	6.15	10.6	2.77	9.63	210	1.05	2.10	Clear	None
10:50 AM	-150.4	0.36	12.76	6.23	9.9	2.76	9.70	210	1.05	3.15	Clear	None
10:55 AM	-170.5	0.27	12.79	6.22	10.4	0.87	9.96	210	1.05	4.20	Clear	None
11:00 AM	-180.9	0.22	12.79	6.12	11.2	1.02	10.13	210	1.05	5.25	Clear	None
11:05 AM	-183.9	0.23	12.80	6.15	11.0	0.92	10.26	210	1.05	6.30	Clear	None
11:10 AM	-186.7	0.23	12.83	6.17	10.8	0.89	10.43	210	1.05	7.35	Clear	None
11:15 AM	-190.6	0.21	12.84	6.11	10.9	0.77	10.56	210	1.05	8.40	Clear	None

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #: 60732743	
Site:	Garfield Avenue group of sites	Event: 2025-FEB-BEDROCK	

Sample Information

Sample ID:	114-MW81D-107.5-20250217	Date:	2/17/2025 2:05:00 PM
Well ID:	114-MW81D	Location Type:	MW
Duplicate ID:		Sampler:	ClarkM4
Equipment:	Headspace meter: MiniRAE 3000 # 592-000181 (1000-1219) Field param meter: YSI Pro Plus # 21E103530 (3510-1417) WL/int meter: Solinst 101 # 556677 (3010-1158)		
Analysis:			
Comments:	All parameters stable. MS/MSD collected		

Well Inspection

Well Located?	Yes	Well Diameter:	10
Cap/J-Plug?:	yes	Well Action Needed?	No
Lid Condition:	good	Well Labeled?	yes
Ambient PID:	0 (ppmv)	Headspace PID:	0 (ppmv)
Notes:			

Water Level

Date:	2/17/2025 1:00:00 PM	Measured Well Depth:	131.62
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	8.77	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	2/17/2025 1:17:00 PM	End Date and Time:	2/17/2025 2:00:00 PM
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method:	Low flow (pump type: Bladder)
Notes:			

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Project #: 60732743

Site: Garfield Avenue group of sites

Event: 2025-FEB-BEDROCK

Sample Information			
Sample ID:	114-MW81D-107.5-20250217	Date:	2/17/2025 2:05:00 PM
Well ID:	114-MW81D	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
1:25 PM	-126.5	1.80	12.67	7.19	10.7	1.35	9.11	170	0.85	0.85	Clear	None
1:30 PM	-173.8	1.45	12.75	7.16	11.1	1.70	9.25	170	0.85	1.70	Clear	None
1:35 PM	-184.4	1.20	12.79	7.20	10.6	1.34	9.44	170	0.85	2.55	Clear	None
1:40 PM	-197.1	1.11	12.79	7.12	10.9	1.33	9.56	170	0.85	3.40	Clear	None
1:45 PM	-214.9	1.00	12.80	7.06	11.3	1.59	9.73	170	0.85	4.25	Clear	None
1:50 PM	-224.1	0.28	12.82	7.22	10.4	1.18	9.91	170	0.85	5.10	Clear	None
1:55 PM	-220.0	0.27	12.84	7.20	10.5	1.19	10.09	170	0.85	5.95	Clear	None
2:00 PM	-227.9	0.26	12.83	7.13	10.6	1.29	10.21	170	0.85	6.80	Clear	None

GROUNDWATER SAMPLING LOG

Client: PPG Industries

Site: Garfield Avenue group of sites

Project #: 60732743

Event: 2025-FEB-BEDROCK

Sample Information			
Sample ID:	114-MW81D-115.0-20250218	Date:	2/18/2025 1:10:00 PM
Well ID:	114-MW81D	Location Type:	MW
Duplicate ID:	114-MW81D-115.0-20250218-X	Sampler:	ClarkM4
Equipment:	Headspace meter: MiniRAE 3000 # 592-000181 (1000-1219) Field param meter: YSI Pro Plus # 21E103530 (3510-1417) WL/int meter: Solinst 101 # 556677 (3010-1158)		
Analysis:			
Comments:	All parameters stable. DUP collected @ 13:15 (5 bottles)		

Well Inspection			
Well Located?	Yes	Well Diameter:	10
Cap/J-Plug?:	yes	Well Action Needed?	No
Lid Condition:	good	Well Labeled?	yes
Ambient PID:	0 (ppmv)	Headspace PID:	0 (ppmv)
Notes:			

Water Level			
Date:	2/18/2025 12:01:00 PM	Measured Well Depth:	131.62
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	9.55	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	2/18/2025 12:19:00 PM	End Date and Time: 1:10 pm	
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method:Low flow (pump type:	
Bladder) Notes:			

GROUNDWATER SAMPLING LOG

AECOM

Client: PPG Industries

Site: Garfield Avenue group of sites

Project #: 60732743

Event: 2025-FEB-BEDROCK

Sample Information			
Sample ID:	114-MW81D-115.0-20250218	Date:	2/18/2025 1:10:00 PM
Well ID:	114-MW81D	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
12:30 PM	-76.6	2.01	12.86	6.44	9.9	5.58	10.03	190	0.95	0.95	Clear	None
12:35 PM	-90.3	0.55	12.92	6.51	9.3	4.31	10.11	190	0.95	1.90	Clear	None
12:40 PM	-100.2	0.31	12.88	6.44	10.2	1.12	10.28	190	0.95	2.85	Clear	None
12:45 PM	-101.8	0.27	12.86	6.41	10.7	0.88	10.44	190	0.95	3.80	Clear	None
12:50 PM	-102.7	0.25	12.89	6.40	9.9	0.97	10.59	190	0.95	4.75	Clear	None
12:55 PM	-104.5	0.24	12.87	5.11	10.4	0.79	10.79	190	0.95	5.70	Clear	None
1:00 PM	-105.0	0.23	12.89	5.08	10.1	0.67	10.91	190	0.95	6.65	Clear	None
1:05 PM	-105.8	0.22	12.88	5.05	10.2	0.93	11.04	190	0.95	7.60	Clear	None

GROUNDWATER SAMPLING LOG

Client:	PPG Industries	Project #: 60732743	
Site:	Garfield Avenue group of sites	Event: 2025-FEB-BEDROCK	

Sample Information			
Sample ID:	114-MW81D-123.0-20250219	Date:	2/19/2025 11:30:00 AM
Well ID:	114-MW81D	Location Type:	MW
Duplicate ID:		Sampler:	ClarkM4
Equipment:	Headspace meter: MiniRAE 3000 # 592-000181 (1000-1219) Field param meter: YSI Pro Plus # 21E103530 (3510-1417) WL/int meter: Solinst 101 # 556677 (3010-1158)		
Analysis:			
Comments:	All parameters stable		

Well Inspection			
Well Located?	Yes	Well Diameter:	10
Cap/J-Plug?:	yes	Well Action Needed?	No
Lid Condition:	good	Well Labeled?	yes
Ambient PID:	0 (ppmv)	Headspace PID:	0 (ppmv)
Notes:			

Water Level			
Date:	2/19/2025 10:30:00 AM	Measured Well Depth:	131.62
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	9.56	Depth to LNAPL:	NE
Notes:			

Purge Information			
Begin Date and Time:	2/19/2025 10:48:00 AM	End Date and Time:	2/19/2025 11:25:00 AM
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method:	Low flow (pump type: Bladder)
Notes:			

GROUNDWATER SAMPLING LOG

AECOM

Client: PPG Industries

Site: Garfield Avenue group of sites

Project #: 60732743

Event: 2025-FEB-BEDROCK

Sample Information			
Sample ID:	114-MW81D-123.0-20250219	Date:	2/19/2025 11:30:00 AM
Well ID:	114-MW81D	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
10:50 AM	-46.2	2.11	12.62	7.01	10.9	1.56	9.72	220	1.10	1.10	Clear	None
10:55 AM	-76.9	0.73	12.74	7.15	11.3	1.96	9.83	220	1.10	2.20	Clear	None
11:00 AM	-87.4	0.48	12.75	7.14	11.3	0.97	9.97	220	1.10	3.30	Clear	None
11:05 AM	-92.0	0.42	12.78	7.19	10.5	1.96	10.18	220	1.10	4.40	Clear	None
11:10 AM	-94.3	0.40	12.76	7.16	10.9	0.99	10.22	220	1.10	5.50	Clear	None
11:15 AM	-95.9	0.36	12.76	7.10	11.1	0.89	10.47	220	1.10	6.60	Clear	None
11:20 AM	-97.4	0.36	12.76	7.19	11.1	0.97	10.64	220	1.10	7.70	Clear	None
11:25 AM	-98.9	0.35	12.77	7.19	11.1	0.89	10.75	220	1.10	8.80	Clear	None

GROUNDWATER SAMPLING LOG

Client: PPG Industries
Project #: 60732743
Site: Garfield Avenue group of sites
Event: 2025-FEB-BEDROCK

Sample Information

Sample ID:	114-MW81D-127.0-20250219	Date:	2/19/2025 1:00:00 PM
Well ID:	114-MW81D	Location Type:	MW
Duplicate ID:		Sampler:	ClarkM4
Equipment:	Headspace meter: MiniRAE 3000 # 592-000181 (1000-1219) Field param meter: YSI Pro Plus # 21E103530 (3510-1417) WL/int meter: Solinst 101 # 556677 (3010-1158)		
Analysis:			
Comments:	All parameters stable		

Well Inspection

Well Located?	Yes	Well Diameter:	10
Cap/J-Plug?:	yes	Well Action Needed?	No
Lid Condition:	good	Well Labeled?	yes
Ambient PID:	0 (ppmv)	Headspace PID:	0 (ppmv)
Notes:			

Water Level

Date:	2/19/2025 12:19:00 PM	Measured Well Depth:	131.62
Is Well Dry?	No	Depth to DNAPL:	NE
Depth to Water:	12.55	Depth to LNAPL:	NE
Notes:			

Purge Information

Begin Date and Time:	2/19/2025 12:19:00 PM	End Date and Time:	2/19/2025 12:55:00 PM
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Bladder)	Sample Method: Low flow (pump type: Bladder)	
Notes:			

GROUNDWATER SAMPLING LOG

AECOM

Client: PPG Industries

Project #: 60732743

Site: Garfield Avenue group of sites

Event: 2025-FEB-BEDROCK

Sample Information			
Sample ID:	114-MW81D-127.0-20250219	Date:	2/19/2025 1:00:00 PM
Well ID:	114-MW81D	Location Type:	MW

Time	Oxidation-Reduction Potential (ORP) (mv)	Oxygen, Dissolved (mg/l)	PH (su)	Specific Conductivity (Field) (ms/cm)	Temperature (Field) (deg c)	Turbidity (ntu)	Purge Depth to water (ft)	Purge Rate (ml/min)	Purge Volume (l)	Purge Volume Cumulative (l)	Color (none)	Odor (none)
12:20 PM	-76.1	0.55	12.70	6.97	11.9	2.72	12.62	220	1.10	1.10	Clear	None
12:25 PM	-77.8	0.30	12.71	7.15	12.2	2.03	12.74	220	1.10	2.20	Clear	None
12:30 PM	-82.4	0.28	12.73	7.13	12.5	1.87	12.88	220	1.10	3.30	Clear	None
12:35 PM	-86.5	0.23	12.74	7.13	12.5	1.31	13.03	220	1.10	4.40	Clear	None
12:40 PM	-89.8	0.22	12.77	7.16	12.3	1.07	13.17	220	1.10	5.50	Clear	None
12:45 PM	-92.3	0.21	12.78	7.13	12.2	0.96	13.30	220	1.10	6.60	Clear	None
12:50 PM	-95.1	0.21	12.78	7.13	12.3	0.96	13.47	220	1.10	7.70	Clear	None
12:55 PM	-96.6	0.21	12.78	7.10	12.5	0.68	13.60	220	1.10	8.80	Clear	None